



**US Army Corps  
of Engineers**

Hydrologic Engineering Center

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National Hydroelectric Power Resources Study - Volume XII

# Database Inventory

September 1981

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National Hydroelectric Power Resources Study - Volume XII

# Database Inventory

September 1981

Prepared for:  
US Army Corps of Engineers  
Institute for Water Resources  
Casey Building  
7701 Telegraph Road  
Alexandria, VA 22315-3868

Prepared by:  
US Army Corps of Engineers  
Institute for Water Resources  
Hydrologic Engineering Center  
609 Second Street  
Davis, CA 95616

(530) 756-1104  
(530) 756-8250 FAX  
[www.hec.usace.army.mil](http://www.hec.usace.army.mil)

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## PREFACE

The economic success and high standard of living in this country have been achieved, in part, at the expense of abundant supplies of low cost, non-renewable, energy sources. In recent years however, diminishing reserves of the cheaper non-renewable energy sources, i.e., oil and natural gas, have prompted a national energy policy which emphasizes conservation and the development of new and renewable sources of energy. This report is a direct result of the national energy policy as it focuses on our major existing renewable energy resource, hydroelectric power.

Hydroelectric power currently provides some 13% of the total electrical generating capacity in the United States. In capacity and energy units, this amounts to some 64,000 megawatts (MW) of capacity and some 280,000 gigawatt hours (GWh) of energy generated annually. Because hydroelectric power is a renewable energy resource, these figures become more and more significant as the non-renewable supplies are depleted.

As a result of the renewable nature of hydroelectric power, Congress, in the Water Resources Development Act of 1976 (P.L. 94-587), authorized and directed the Secretary of the Army, acting through the Chief of Engineers, to undertake a National Hydroelectric Power Resources Study (NHS). Among the objectives of the NHS were (1) to determine the amount and the feasibility of increasing hydroelectric capacity by development of new sites, by the addition of generation facilities to existing water resources projects, and by increasing the efficiency and reliability of existing hydropower systems;

and (2) to recommend to Congress a national hydroelectric power development program.

In order to facilitate the preparation of the NHS and achieve the goals set forth by the authorizing legislation, the study organization was made to conform to the existing electrical power system of the United States. The existing system is made up of nine regions referred to in the NHS as Electric Reliability Council (ERC) Regions. A volume addressing the above objectives has been prepared for each ERC region as well as a separate volume for the states of Alaska and Hawaii (XIV through XXIII). A report on the Commonwealth Puerto Rico is included in the Southeastern Electric Reliability Council Regional report. Volumes XIV through XXIII present regional needs, resources and plans used to form the recommended National Hydroelectric Power Development Plan. The recommended plan with supporting documents will be forwarded to Congress as mandated by P.L. 94-587.

This volume contains a National Summary of selected, site specific, data contained in the regional reports and includes hydropower projects which have no apparent potential for economical hydropower additions. Selected site by site data is arranged by state, county and project name in Appendix C. The text discusses inventory stages, analytic procedures and study sequence.

NATIONAL HYDROELECTRIC POWER STUDY

VOLUME XII  
HYDROPOWER ANALYSIS TECHNIQUES  
AND  
NATIONAL RESOURCES SUMMARY

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# Chapter 1

## PURPOSE AND AUTHORITY

The Water Resources Development Act of 1976 (P.L. 94-587) authorized and directed the Secretary of the Army, acting through the Chief of Engineers, to undertake a National Hydroelectric Power Resources Study (referred to throughout this volume as NHS). Among the objectives of the study were: (1) determine the amount and feasibility of increasing hydroelectric capacity at (a) existing hydroelectric project, (b) existing projects not presently equipped to generate power, (c) identify new or authorized projects not yet constructed which could feasibly include hydroelectric power as a project purpose, and (2) to recommend to Congress a national hydroelectric power development program.

This volume will discuss inventory and study procedures which led to conclusions contained in the other volumes of the report, primarily Volumes I, II and XIV through XXIII. More detailed explanations of each step of the analysis and the actual computer program use are contained in Volume XIII and associated appendices.

Appendix C to this volume lists selected data, sufficient to identify, locate, and evaluate the estimated quantity of added capacity and energy developable at the 5400 sites remaining in the active data file at the conclusion of the study. These sites are arranged by state, county and project name.



## **Chapter 2**

# **DATA SOURCES**

### 2.1 NATIONAL INVENTORY OF DAMS

The primary initial source of data on existing dams came from the 5 volume report, National Program of Inspection of Dams, May 1975, which is a compilation of data for an inventory of federal and non-federal dams compiled by the Corps of Engineers in response to the National Dam Inspection Act (Public Law 92-367) August 1972. The 1975 published inventory of dams (IOD) contained data on approximately 50,000 dams which are 25 feet or more in height or have a maximum impounding capacity of 50 acre-feet or more; however, dams less than six feet in height, regardless of storage capacity or which have a storage capacity at maximum water storage elevation less than 15 acre-feet regardless of height were not included. The file containing the IOD data resides on the Boeing Computer Service Company, Seattle Washington system (BCS). A portion of that data file was transferred to the Lawrence Berkeley Laboratories (LBL) computer center to initiate the data base for the NHS. LBL is a system owned by the Department of Energy and is located at Berkeley, California. Access to this system is available through telephone "dial-up" or dedicated line by all division and district offices.

### 2.2 OTHER AGENCIES

Dam inventories compiled for various purposes over the years by other agencies such as U. S. Geological Survey, Water and Power Resources Service, Federal Energy Regulatory Commission, Soil Conservation Service, as well as State Agencies, River Basin groups et al were obtained and included in the

initial compilation of potential sites for inclusion or addition of hydropower facilities. These miscellaneous inventories included both existing and identified undeveloped dam sites. These collections of lists and records were in various forms, such as reports, card files, data tapes etc. Duplication of existing dams was expected but each additional record source turned up a few that had been overlooked and additional undeveloped projects were identified from each agency source. An effort was made to eliminate duplicate sites with different names or different sizes from the data base, however, there may still be a few duplications remaining.

### 2.3 CORPS OF ENGINEERS REPORTS

A primary source for locating many undeveloped projects was through Corps of Engineers river basin study reports and project feasibility "survey" reports prepared through the years. This resulted in the inclusion of some undeveloped sites which were alternatives to each other. However, all were included and those sites recognized or reported as dependent upon the construction of other sites in the region, or alternatives among a group of potential sites, were identified in the data base as such.

## **Chapter 3**

### **SCREENING STAGES**

The study outline prepared by study managers called for four levels of study called "stages", representing increasingly restrictive criteria and refinement. The differences among each of these stages of the study are discussed in this chapter.

#### 3.1 STAGE 1

As a first step in identifying potentially feasible hydropower sites, an inventory was taken of existing dams and undeveloped sites as discussed in Chapter 2. A data form "Form 1" was designed to designate those data required for sites passing an initial screening evaluation based on storage and dam height. As a gross criteria, a site was excluded if the product of storage and height did not exceed 25,000. This criteria excludes those sites where the theoretical capacity was less than 1 MW if all of the stored water were released in one day. There were exceptions to this gross rule to allow low head run-of-river projects to be included. Each Division office was allowed to set their own criteria. The major purpose of the screening was to eliminate sites such as stock water ponds. A utility computer program was written to read data from a copy of the Inventory of Dams (IOD) file and write it into the Form 1 NHS format. Most of the data in the IOD file was transferred and the above screening procedure or modifications to it were used by each Corps of Engineers Division to delete those projects not meeting the gross minimum capacity value.

A data collection activity was undertaken for the remaining sites and for those sites added from other data sources, as discussed in Chapter 2. Data of particular importance and not in the IOD file were:

- drainage area
- representative stream gage
- average annual flow
- normal net power head
- FERC power supply area

Approximately 17,000 sites met gross screening criteria for Stage 1 and progressed into the Stage 2 phase. Details of data collected and format for Form 1 will be discussed in Chapter 4.

### 3.2 STAGE 2

During this next stage more detailed data required for Form 1 was collected and additional sites were added or deleted as seemed proper by district and division study personnel. Computer programs and file structure were finalized and generalized cost curves and economic benefit data were developed by the Corps Hydrologic Engineering Center, North Pacific Division Hydroelectric Design Branch and Federal Energy Regulatory Commission (FERC), respectively.

Analytic computer programs were then applied to compute capacity and average annual energy potential. Next, generalized benefit/cost criteria was applied to identify those sites to be recommended for Stage 3 study. The Form 1

data file contained about 3,000 sites where the potential generating capacity was estimated to be less than 50 kW, with another 3,000 sites where the district study teams judged that additional data collection effort was not warranted for one reason or another. These sites were not included in a 6-volume preliminary inventory of physical potential that was prepared at the end of Stage 2 for 10460 sites. However, these 6,000 sites were not discarded. During Stage 3 data collection and analysis some of these sites were brought back into an active study status and the required additional data entered into the file. The remaining sites were eventually placed in an inactive file.

Some 1,500 copies of this preliminary inventory were distributed to federal, state, and private agencies, libraries and individuals. The six-volume inventory organized by regions and states contained a selected data listing of those 10,460 existing and undeveloped sites where the estimated developable generation capacity exceeded 50 kW.

### 3.3 STAGE 3

A major revision to the site specific data collection was made at this stage. The number of allowable data items was increased from 67 for the Form 1 to 689 for the Form 2. Data was transferred from the Form 1 preliminary inventory into either an inactive file or an active file. This transfer of all sites into Corps of Engineers Division groupings of either "active file" or "inactive file" was based on the preliminary potential increase in capacity being greater than 1,000 kW and the benefit to cost index exceeding 1.0 at existing dams and 0.7 at undeveloped sites. This resulted in approximately 5,400 sites in the active file and 10,700 in the inactive file. Additional

data were collected on storage allocation, and corresponding elevations and surface area. For many sites tailwater rating data, monthly evaporation estimates, monthly energy demand, outlet capacity, channel capacity, upstream diversions, and other related data were added to the Form 2.

Editing software was developed to allow a higher level of display for accuracy checking and computational capabilities were greatly expanded. Cost data and procedures were upgraded and were packaged into a comprehensive computer program XFRM2. These expanded capabilities allowed a more site specific cost and benefit estimate as well as more reliable dependable capacity and firm energy estimates from a monthly period-of-record sequential analysis.

At the end of the analysis phase of Stage 3, another screening was done on the 5,400 sites remaining in the active file. Additional economic evaluations were carried out based on Form 2 data and expanded computer programming. Those sites that appeared favorable were also subjected to an environmental and institutional acceptability screening after collecting the additional data required for such an evaluation. Sites without overriding adverse impacts in any of these areas were then considered for "Stage 4" ranking and grouping.

#### 3.4 STAGE 4

About 2,000 sites passing all previous evaluation and screening phases were ranked in various ways as discussed in Chapter 6. Existing and forecasted regional power demands were determined for each of the Electric Reliability Council regions and systems of potential hydropower projects which could help



meet future regional demands for electrical energy were grouped and reported in the various regional report volumes XIV through XXIII of this NHS. Regional information emerging from these report volumes were then assimilated for the National Hydropower Report to be forwarded to Congress.



## **Chapter 4**

### **FORM 1 ANALYSIS**

The data management, design, analytical procedures and results of the Form 1 data collection and analysis conducted as part of Stage 2 of the study will be discussed in this chapter, in sufficient detail to allow the reader to evaluate the depth of study and validity of assumptions used to reach the reported conclusions.

#### 4.1 DATA MANAGEMENT SYSTEM

Recognizing that considerable data at perhaps as many as 60 to 70 thousand sites might be required at the early stages of the study, it was apparent that a rather formal data management system would be required if field engineers at 36 District and 11 Division offices were to input data and have simultaneous access to the files. The data base and computer programs used to edit and analyze the data base were contained on magnetic tape files at the Lawrence Berkeley Laboratory (LBL), a Department of Energy facility, located at Berkeley, California. This facility uses a Control Data Corporation (CDC) hardware system. It was chosen primarily because of its extremely low cost and also because of its ready access by dedicated line from the Hydrologic Engineering Center (HEC) and by dial-up from each district and division office. Consequently, file structure and editing software programs are strongly CDC system dependent with some LBL system job control language calls. The basic analysis programs are standard Fortran.

The working data base files are grouped on eleven separate magnetic tapes, one for each of the eleven divisions of the Corps of Engineers. Each

divisional file has a header index which is used to provide a quick random access to a specific state or site within the file by address location. Additional details and flow charts are included in Volume XIII Part 1.

#### 4.2 FORMAT

Table 4-1 displays the "Form 1" labeled data and item reference numbers. All of these data have not been entered into the file for every site. Certain minimum data are required to facilitate an evaluation of power potential. In some cases, district study managers had feasibility report details available so that capacity and energy estimates were already established and could be entered into the file directly. Other sites identified sufficiently to include in the file initially, remain incomplete in critical data items for one reason or another and were not processed or included in the preliminary inventory publication. Some of these may have been researched further during Stage 3 activities and may be included in the final publication of active file sites published with this volume.

In addition to the basic 67 items shown in Table 4-1, an additional array of data items 700 through 889 are stored during the execution of a hydropower potential analysis as shown in Table 4-2. When a complete Form 1 listing is requested the entire labeled data file is printed (items 0-889). Most of the labeled data items are described adequately for a clear understanding of their meaning. Others, such as items 60, 70, 270, 400, 410, etc., require additional information in order to decode the data characters. These are available in Volume XIII Part 1, "Data Base Description". Negative signs associated with numeric entries in items 0 through 660 indicate only that the

**Table 4-1**  
**FORM 1 EXAMPLE SITE LISTING**

0	STATUS OF FILE		DURC I	
1	LAST UPDATE (YR/MO/DY)		79/06/07	
2	LAST UPDATE (TIME OF DAY)		16.40.54	
3	USGS GAGE SELECTION (0=USER 1=MACH)		0	
4	FLO-DUR, SEQ-RDIT PARAMETER (0.0-1.0)		0.	
5	USGS TAPE NO. FOR MONTHLY FLOWS		55.0	
6	DRAINAGE AREA OF SELECTED GAGE		8090.0	
7	CALCULATED POWER HEAD		28.0	
8	SITE TO GAGE DRAINAGE RATIO		.8	
9	POWER STORAGE TO AVERAGE Q RATIO -YR		0.	
10	PROJECT ID NUMRER	(A7)	WI00724	
20	PROJECT NAME	(A37)	CASTLE ROCK	2WP724
30	NAME OF STREAM	(A29)	WISCONSIN	
40	DIVISION	(A3)	NCD	
50	DISTRICT	(A3)	NCS	
60	REGION	(I2)		7
70	BASIN	(I2)		6
80	LATITUDE	(F5.1)	43.9	
90	LONGITUDE	(F6.1)	90.0	
100	PRIMARY STATE	(A2)	WI	
110	PRIMARY COUNTY	(I3)		1
120	PRIMARY CONGRESSIONAL DISTRICT	(I2)		-0
130	SECONDARY STATE	(A2)		
140	SECONDARY COUNTY	(I3)		-0
150	SECONDARY CONGRESSIONAL DIST	(I2)		-0
160	FERC REGIONAL OFFICE	(A2)	CH	
170	FERC POWER SUPPLY AREA	(I2)		13
180	FERC RIVER BASIN CODE	(I6)	556500	
190	FERC SITE CODE	(I2)	50	
200	FERC STATE CODE	(I2)	55	
210	HYDRAULIC HEIGHT OF DAM (FT)	(F4.0)	32.0	
220	MAXIMUM STORAGE (ACRE-FT)	(F8.0)	240960.0	
230	HT OF NORMAL RETENTION (FT)	(F4.0)	32.0	
240	NORMAL STORAGE (ACRE-FT)	(F8.0)	160640.0	
250	NORMAL NET POWER HEAD (FT)	(F4.0)	28.0	
260	DRAINAGE AREA (SQ. MI.)	(F8.0)	6845.0	
270	STREAMFLOW CHARACTERISTICS	(A1)	L	
280	MACHINE ESTIMATES DESIRED	(A3)	YES	
290	REPRESENTATIVE GAGE SELECTED	(I9)	5404000	
300	AVERAGE ANNUAL INFLOW (CFS)	(F8.0)	4077.0	
310	ELECTRIC RELIABILITY COUNCIL	(A5)	MAIN	
320	INSTALLED CAPACITY (KW)	(F8.0)	15000.0	
330	AVE ANNUAL ENERGY INSTALLED	(F9.0)	75000.0	
340	IDENTIFIED POWER POTENTIAL (KW)	(F8.0)	8562.0	
350	AVE ANNUAL ENERGY (MWH) POTENTIAL	(F9.0)	75000.0	
360	NEW POWER POTENTIAL EST. (KW)	(F8.0)	-35049.1	
370	NEW EST AVE ANN ENERGY (MWH)	(F9.0)	-110537.7	
380	EXISTING FUT POWER FEATURES	(A48)		
390	OWNER	(A24)	WI RIVER POWER CO	
400	OWNER CODE	(A1)	I	
410	PURPOSES	(A7)	HCR	
420	STATUS	(A2)	OP	
430	ACTIVE IN INVENTORY	(I1)		1
440	DEPEND OR INDEPEND	(A1)	I	
450	COMMENT	(A48)		
460	KNOWN POTENTIAL CONSTRAINTS	(A3)		
470	COMMENT	(A48)		
480	GENERAL COMMENTS	(A48)		
490	GENERAL COMMENTS	(A48)		
500	GENERAL COMMENTS	(A48)		
600	NEAREST DOWNSTREAM TOWN	(A28)	WISCONSIN DELLS	
610	PRIMARY COUNTY NAME	(A16)	ADAMS	
620	ADDITIONAL VALUE 1	(F10.0)	0.	
630	ADDITIONAL VALUE 2	(F10.0)	0.	
640	ADDITIONAL VALUE 3	(F10.0)	0.	
650	ADDITIONAL VALUE 4	(F10.0)	0.	
660	ADDITIONAL VALUE 5	(F10.0)	0.	

**Table 4-2**  
**FORM 1 EXAMPLE ANALYSIS DISPLAY**

PROPOSED SITE - W100724		DISTRICT - NCS	
Code Values			
700	35049.12	CAPACITY (KW)	
701	110537.71	AVERAGE ANNUAL ENERGY (MWH)	
702	0.36	AVERAGE ANNUAL PLANT FACTOR	
703	67.10	DOLLARS / KW	
704	24.26	MILLS / KWH	
705	2351.60	CAPACITY VALUE (1000 \$)	
706	2481.60	ENERGY VALUE (1000 \$)	
707	5033.39	ANNUAL BENEFIT (1000 \$)	
708	2283.67	ANNUAL COST (1000 \$)	
709	2.20	B/C RATIO	
USGS GAGE NUMBER 5404000 USER SUPPLIED			
ARRAY OF RESULTS USED TO SELECT CAPACITY			
TYPE OF ANALYSIS CHOSEN - FLOW-DURATION			
OBJECTIVE - MAXIMIZE NET BENEFIT			
720-729	FLOW-DUR	2653.02	2601.33
730-739	EXCEEDENCE	0.95	0.75
740-749	DUR (KWH)	4845.88	6164.93
750-759	DUR (MWH)	42274.99	52513.83
760-769	SED (KW)	0.	0.
770-779	SED (MWH)	0.	0.
800-809	APP	0.99	0.97
810-819	CAP \$/KW	134.90	134.90
820-829	MILLS/KWH	11.42	11.46
830-839	COST \$/KW	73.54	82.04
840-849	BENEFITS \$	1139114.84	1433267.01
850-859	COST \$	357804.06	506065.03
860-869	NET BEN \$	781297.78	927141.99
870-879	R/C RATIO	3.18	2.83
880-889	SHORT(MWH)	0.	0.
INCREMENTAL ARRAY			
710	20049.12	CAPACITY (KW)	
711	35537.71	AVERAGE ANNUAL ENERGY (MWH)	
712	0.21	AVERAGE ANNUAL PLANT FACTOR	
713	67.60	DOLLARS / KW	
714	11.71	MILLS / KWH	
715	324.30	CAPACITY VALUE (1000 \$)	
716	1700.64	ENERGY VALUE (1000 \$)	
717	2064.94	ANNUAL BENEFIT (1000 \$)	
718	875.29	ANNUAL COST (1000 \$)	
719	2.36	B/C RATIO	

entry was the result of a computer program computation or decision rather than an entry by the user. The lower array of Form 1, (Table 4-2), contains a center section which represents an array of analysis at 10 points along a flow-duration curve, representing daily flow characteristics for the site. The first list, labeled FLOW-DUR, represents flow in c.f.s. and the second line, labeled EXCEEDENCE, is the decimal fraction of time that the flow shown on the line above it is exceeded. The first section of Table 4-2 (item numbers 700 through 709) represents adopted results for the project including total capacity and energy. If the site already has an existing powerplant, the lower section of Table 4-2 (items 710 through 719) are the additional capacity, energy and economic values that are selected by the analysis procedures.

#### 4.3 FILE STRUCTURE

The file structure is in CDC oriented machine code unlabeled format. The index of each divisional file contains the seven character ID number of each site which corresponds to item 10 of Form 1. Also item 0 "Status of File" is included in the index. The third item in the index is the address of the packed data. This provides a rapid means of locating (a) specific sites, (b) all sites of a specified analysis status and/or, (c) all sites within a specified state. For instance an analysis run was typically made on all sites which had a "status of file" of NEWR, meaning it had a new record site that had never been analyzed or had significant data entries changed and needed to be reanalyzed. The "Status of File" is automatically reset after the attempt at an analysis, to one of the following codes:

- DEFA - Site not completely analyzed by requested procedure because of data errors or omissions.
- DURA - Incompleted duration curve analysis because of data errors or omissions.
- DEFC - Default type of analysis completed.
- DURC - Duration curve type of analysis completed.
- EDIT - Editing errors exist.

Two other codes in addition to NEWR can be input by the user to indicate (1) the site is to be placed in an inactive status "IACT" but retained in the data base or (2) the site and corresponding data array is to be removed from the data file "JUNK". Periodically, during merging operations, this was accomplished.

#### 4.4 DATA INPUT AND RETRIEVAL

Initially, interfacing computer programs were written to read data from three different independent data files:

- National Inventory of Dams
- Federal Energy Regulatory Commission Index of Hydropower Dams
- U.S. Geological Inventory of Hydropower Sites

A data editing and management program was then written to accomplish individual site specific data entry and user specified selective retrieval of all data for a given site or group of sites and various statistical counts, sums and averages. The Form 1 edit program is labeled EDITNHS. The program was written for either interactive or batch-terminal job entry but because of the inadequate number of entry ports at the LBL Computer Center and slow



terminal response, nearly all data entry and retrieval was done by "remote batch" processing. Each Division used a unique code identifier which allowed access to the appropriate Division data file. Data entry and retrieval can be done for a selected site by using its Item 10 Project ID number or by "global" search procedure, constrained by user specified constraints. Basic needs were met with 3 to 8-letter commands such as:

HELP, LIST, SELISTX, SAVE, LISTSAVE, WIPE  
END, MODIFY, AVERAGE AND SUM.

Constraints were by numerical groups and operator symbols such as +, -, =, ≠. As an illustration of data entry for California site CA00027 for items 20, 80, 90, and 210, a card stream, after program access, might look like this:

```
'BATCH'  
'CA00027'  
4  
20,80,90,210  
CAL LAKE  
41 22.3  
122 48.4  
126.  
'SAVE'  
'END'
```

Details on other usage and specifics on global search constraints are documented in Volume XIII Part 1, "EDITNHS USERS GUIDE".

#### 4.5 MERGING FILES

Periodically or after each division and inclusive district office made a significant number of new data entries all files were copied onto a separate archive copy of the file in case of system failures or unforeseen loss of file, so that the data base could be rebuilt with a minimum of lost data.

Also, as site duplications or sites with insignificantly small storage or streamflow were discovered and a determination made to delete the site from the file, the site status "Item Zero" was set to JUNK. A files merger utility program was developed which wrote each of the eleven files onto a "backup" tape and during the process, omitted any record with a JUNK status. After merger onto the reserve tape, they were written back to the proper divisional tape as a "cleaned up" or "new" version. This was done every week during early phases of Stage 2 studies and progressively less frequently as files became more stable. There were several occasions when it was necessary to rebuild a Division file from the "backup" merged file.

#### 4.6 FILES SECURITY

Several precautions were taken to avoid simultaneous data entries and analysis by more than one user, since several district offices were storing data on the same file. Some elimination of conflicts were accomplished by having each Divisions' file on separate tapes. Each Division file required a different access call name and most district computer sites had a secret password which protects their account number from being used by any unauthorized users. The primary security system to prevent simultaneous access was by "files lockout". Anytime a user had a Division file in process of "data entry", "query" or "analysis", all other users trying to access the file were put in a "wait" status until the current users job was completed. Since the largest Divisions have only 5 district offices and a high speed computer system was being used, there was seldom a significant "wait time" resulting from multiple access calls. Major delays that did occur were a result of heavy system loads from non-NHS users. As discussed in the

previous paragraph, files loss resulting from system malfunctions were avoided by periodic files merger and archiving.

#### 4.7 ANALYSIS, ASSUMPTIONS AND COMPUTATIONAL TECHNIQUES

Three different ways of estimating the capacity and energy potential of each site were adopted.

- User analysis or results from prior studies entered directly into the file referred to as default analysis DEFA or DEFC
- Flow duration curve analysis to maximize net benefits referred to as DURA or DURC
- Sequential monthly routing of flow data and reservoir storage to meet specified trial energy demands, referred to as 5CAN or 5CCP

The sub-paragraphs which follow will briefly discuss the different assumptions and procedures. A more detailed discussion is contained in Volume XIII, Part 1, Appendix II, "Computer Program NHSF1".

##### Default Analysis

The default analysis is a shortened analysis procedure and was applied when field engineers were confident they knew the sites capacity and energy capability and optimum size as a result of previous detailed studies such as documented in feasibility studies recommending authorization or advanced engineering and design memoranda. In these cases the field engineer entered data item 280 as "NO" and the appropriate values into items 360, "new power potential" and item 370, "new estimate of average annual energy". The average annual plant factor was calculated from these last two items and benefit and cost routines applied to make the necessary estimates of annual

benefit, annual cost and B/C index ratio. In the case of "default analysis" the flow-duration data array, items 720-889 were not computed or stored in the file.

### Flow Duration Analysis

The most common analysis procedure utilized in Stage 2 estimates was the flow-duration run-of-river type of analysis. A representative stream gage was either specified by the user at item 290 or a program subroutine was used to search and select a reasonably representative streamgage within a 4 degree latitude and 4 degree longitude quadrangle about the damsite. A selection of all gages found in the 'gage file' was based on minimizing penalty points based on distance, length of record, drainage area ratio and quality of record. Flow-duration curves based on an analysis of daily flow data for the period of record at each of approximately 16,000 stream gage stations had previously been computed and stored in an accessible file at the computer center. The appropriate table of values was read and adjusted by site to gage drainage area ratio to obtain a flow-duration array representative of the site being analyzed. Ten different points along the applicable flow-duration curves were assumed as plant design discharge. Capacity and average annual energy were computed for each assumed design discharge by using the basic power equation  $KW = CHQ$ . The net power head (H) was read from data item 250 or in the event it had not been entered, an estimate based on several other alternative assumptions were used such as a fixed percentage of height of normal storage or height of dam. A plant efficiency of 100 percent was adopted because of other gross assumptions, and to simplify adjustment to any other user preferred value at this early stage of the study.

### Sequential Analysis

This last method requires more data and analysis time and since a large number of assumptions concerning reservoir storage characteristics, allocations, power load characteristic and average tailwater conditions are also necessary, it was not used in any final production runs during Stage 2. This sequential analysis procedure was deferred until Stage 3, where additional data collection was more commensurate to use with a more precise analytic procedure.

### Benefit Analysis

The Federal Energy Regulatory Commission (FERC) furnished preliminary estimates of capacity and energy benefit values by regional power supply areas throughout the nation. Data item 170 was used to determine the appropriate power supply area in which the site was located. Also, the primary state (item 100) was required in the region benefit rate assumption. These regional benefit rates associated unit benefit rates for capacity and energy separately as a function of the average annual plant factor. The average annual plant factor is a gross estimate of how the plant will be operated to meet the regional load characteristics and is used to reflect what alternative type energy fuel source will be displaced if the site were put in operation. Benefit rates were based on 1978 cost levels "at-market" and private financing at a discount rate of 10 percent. More specifics on the benefit assumptions are contained in Volume XIII Part 4, "FERC Regional Power Benefit Values".

## Cost Analysis

The North Pacific Division Hydroelectric Design Branch were tasked with the assignment to develop generalized powerplant costs. Preliminary curves relating cost to net head were developed with powerplant sizes of 100, 500, 700, 1000, 2000, 3000, 5,000, 7000, 10,000, 30,000, 50,000, 70,000 and 100,000 kW as the third parameter. Costs were based on a simplified powerplant comprised of a single generating unit, basic mechanical equipment and a switchyard. Cost adjustment factors were adopted for each state, with Oregon having a base value of unity. Benefits and costs were computed for each of the 10 sizes corresponding to the 10 design discharges selected from the flow-duration curve and based on the assumption of a single purpose project analysis. The annual benefit, annual cost, corresponding net benefit and B/C ratio were then calculated and an optimization technique used to select a project size which would maximize net benefits. The results of each of the ten points analyzed and the selected size were stored in the lower section of the Form 1, data array items 700-889 (refer to Table 4-2). A discount rate of 6-5/8 percent and economic life of 50 years was used at this preliminary study stage. Later this rate was revised as discussed in Chapter 5.

### 4.8 PROBLEMS ENCOUNTERED AND RESOLUTIONS

An undertaking of this magnitude, which required major computer program development, can be expected to meet with obstacles and incur delays. The major problems that occurred during this study were:

- Fixed tailwater assumption provided unrealistic hydropower potential for run of river projects with highly fluctuating tailwater.
- Program application was made before documentation was completed and available
- Frequent work force turnover
- Lack of formal training on procedures developed during early stages
- Incomplete or inaccurate data entries
- Unfamiliarity of use of LBL computer system by some districts
- "Dial up" connect problems of local computer terminals to the remote system

All of these problems lessened with continued experience and time. User guidance documentation and item descriptions finally became available to help new users as personnel turnover occurred. Extensive error checks and message printout was added to the programs. The Hydrologic Engineering Center (HEC) staff was available for unlimited consultation by telephone. The technical manager was in frequent coordination with Division study managers and HEC support staff. Training sessions were held at HEC and at Division Offices. Maximum use was made of job control files to preclude the need for Division and District users becoming unnecessarily familiar with system calls and files management. Most of the 'analysis run' initiation was done by HEC upon notification by a Division that they were ready for such a run to be made. Printer output of the analysis was disposed at HEC as well as at District offices so that problems or questions could be more easily discussed.

#### 4.9 RESULTS OF FORM 1 ACTIVITY

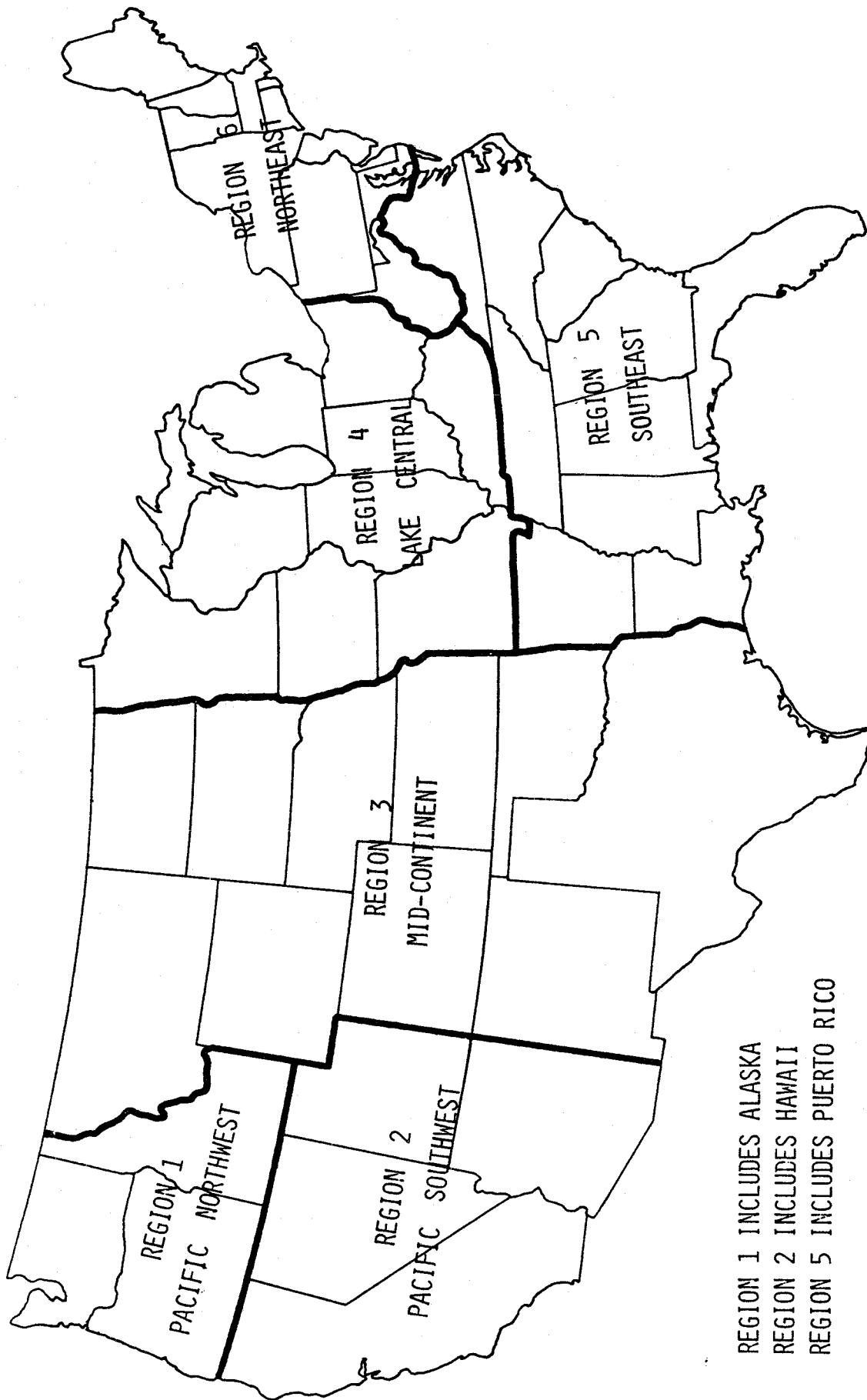
At the conclusion of Stage 2 (Form 1 studies), a preliminary inventory of sites capable of a minimum hydroelectric capacity of 50 kW was published. It was a 6 volume report containing information on approximately 10,000 sites. Each volume contains several complete states within a geographic

region. The regions were selected to more or less equalize the size of each volume. Figure 4-1 shows those states included in each volume. Copies of "National Hydroelectric Power Resources Study, Preliminary Inventory of Hydropower Resources", U.S. Army Corps of Engineers, July 1979 are available at the National Technical Information Service (NTIS), U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. The NTIS Identification Numbers are as follows:

ADA075962	Volume I	Pacific Northwest Region
ADA075963	Volume II	Pacific Southwest Region
ADA075964	Volume III	Mid-Continent Region
ADA075965	Volume IV	Lake Central Region
ADA075966	Volume V	Southeast Region
ADA075967	Volume VI	Northeast Region

The preliminary report estimated the existing and potentially feasible hydroelectric power resources in the United States. Summary tables for all volumes are contained in each of the volumes. Each volume of the inventory contained a description of the methods of the study, national and regional statistics and a brief assessment of the resource potential. Appendix I of each volume contains individual state summary totals and site-specific hydraulic data, ownership, project purpose, geographic information and hydroelectric energy for all states within the volume's region. Many of the listed sites were dropped from consideration as studies continued and more detailed data collection and analysis were conducted as discussed in Chapter 5. However, for purposes of comparison, a summary of national totals at the end of Stage 2 are presented in Table 4-3. These Tables represent the physical potential and include many sites which are not economically nor environmentally feasible.





REGION 1 INCLUDES ALASKA  
 REGION 2 INCLUDES HAWAII  
 REGION 5 INCLUDES PUERTO RICO

**Figure 4-1**  
**REGIONAL INDEX MAP OF PRELIMINARY INVENTORY PUBLICATION**

**Table 4-3**  
**PRELIMINARY INVENTORY OF**  
**HYDROELECTRIC POWER RESOURCES**

July 1979

Item	Existing Hydro Projects <sup>1</sup>	Existing Projects <sup>2</sup>	Undeveloped Sites <sup>3</sup>	Total <sup>4</sup>
<u>Small-Scale (50kW-15MW)</u>				
Number of sites	842	4,813	2,642	7,744
Capacity (MW)	2,947	5,455	8,010	16,412
Energy (GWH)	15,048	17,267	28,843	61,158
<u>Intermediate Scale (15-25MW)</u>				
Number of sites	81	166	387	592
Capacity (MW)	1,517	3,320	7,722	12,559
Energy (GWH)	6,717	7,859	23,503	38,079
<u>Large Scale (Greater than 25 MW)</u>				
Number of sites	328	445	1,503	2,124
Capacity (MW)	59,230	85,859	338,217	483,306
Energy (GWH)	258,239	198,087	883,519	1,339,845
<u>Total (All sizes)</u>				
Number of sites	1,251	5,424	4,532	10,460
Capacity (MW)	63,702	94,636	353,948	512,286
Energy (GWH)	280,004	223,214	935,867	1,439,085

- 1 Existing hydroelectric power facilities currently generating power.
- 2 Existing dams and/or other water resource projects with the potential for new and/or additional hydroelectric capacity.
- 3 Undeveloped sites where no dam or other engineering structure presently exists.
- 4 The number of sites for existing projects include some existing hydro projects; therefore, the total number of sites is not a sum of the three column values. This varies from the 11,207 sites published in the national summaries in the preliminary inventory.

## **Chapter 5**

### **FORM 2 ANALYSIS**

"FORM 2 analysis" refers to all activities associated with Stages 3 and 4 of the studies. At this point in the study a new form was designed to include additional site specific data (data items increased from 67 to 689). This included physical, hydrologic, cost and benefit data items as well as data on impacts of site development, on environmental, marketability and social factors. Analytic procedures were expanded to make use of the added data and an entirely new, higher level data management, edit and display computer program was written. This chapter will discuss the more important features of the **Form 2 analysis and computer program** development. A more complete discussion of the file structure, editor, analysis and program usage is contained in Volume XIII Part 2, "XFRM2, Computer Software Documentation".

#### 5.1 DATA MANAGEMENT SYSTEM

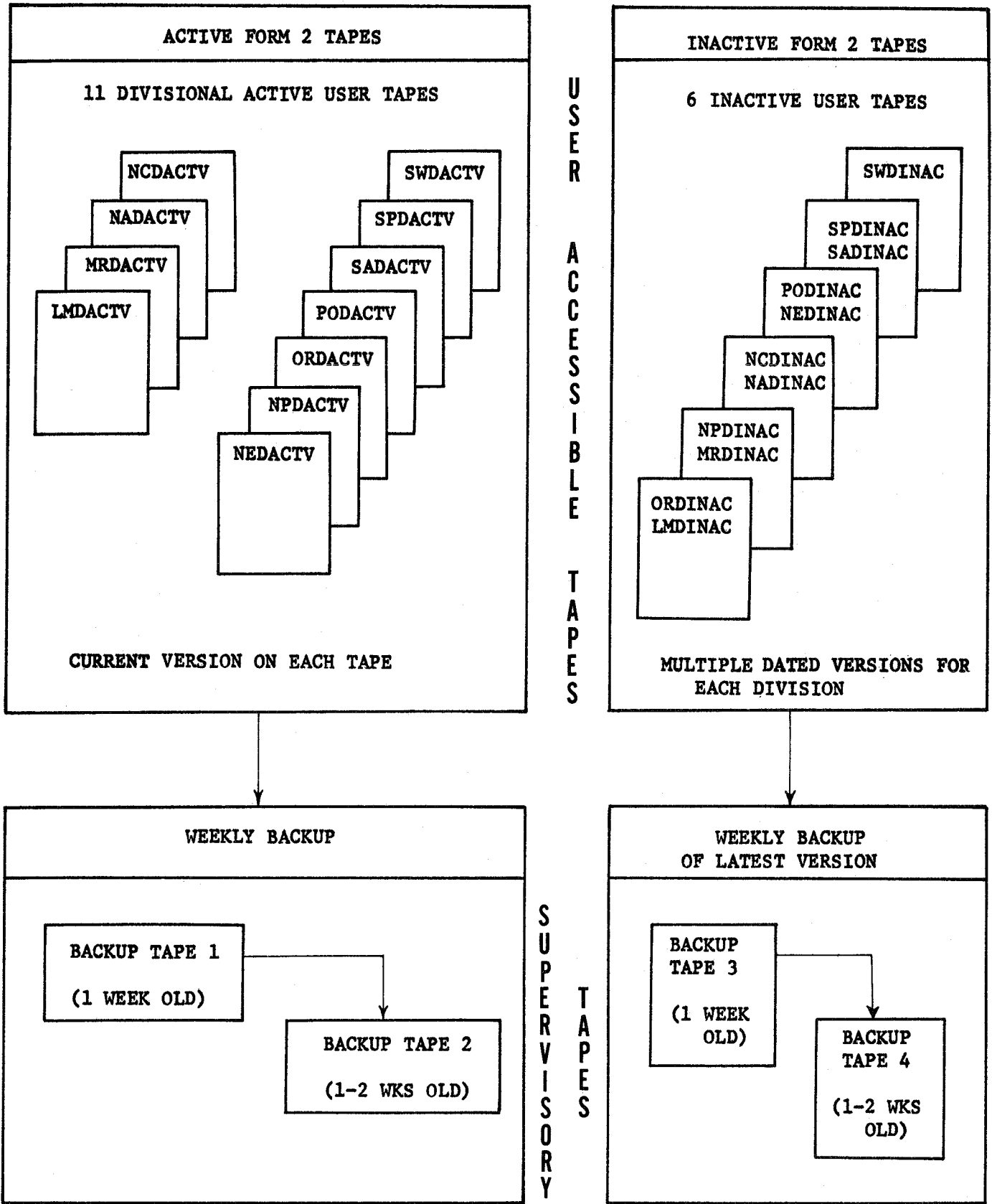
A more extensive data management scheme was developed for use with the Form 2 data. Each Division was assigned two magnetic tape files. The "active" tape contains the data at sites where the Stage 2 screening judged it to have an added capacity potential in excess of 1,000 kW at a B/C index greater than 1.0 for developed sites and 0.7 for undeveloped sites. The second tape ("inactive" sites) contains all other sites which for one reason or another did not meet criteria for further consideration. Each Division was assigned their own active tape but generally, inactive tapes were comprised of two Divisions per tape. In addition to these user accessible tapes, supervisory accessible "backup" archive files were maintained for both

active and inactive sites (2 each), making a total of 21 magnetic tapes. There may be several dated versions stored on the inactive tape for each Division due to revisions in data or analysis.

Figure 5-1 illustrates the scheme utilized. Each of the "backup" tapes contain records of all divisions on the same tape. The same generation tape was written from the first generation tape and then the first generation tape was copied from the active and inactive tapes. Initially this "backup" procedure was performed weekly and then toward the end of the study period, as changes and data additions became less frequent, the backup was scheduled at 3-week intervals. This activity was performed on weekends when the least amount of file activity was occurring. Since only one user could have write access to a Divisional file, a "backup" run had to find a time when all files could be used, while "holding out" other users. A total of approximately 16,000 sites are contained in the data base. About 5,400 sites reside in the active files and 10,700 sites reside in the inactive files. About 3,000 of these sites were evaluated to have a capacity potential less than 50kW during Stage 2 screening. About 3,000 additional sites have incomplete data and were judged by the field engineers to not be worthy of the extra effort required to collect and enter the required data.

## 5.2 FORMAT

The format of the Form 2 also utilizes the item number reference structure and all entries are read in alphanumeric form and printed in alpha, real and integer formats as shown in parenthesis at the left of the data value (see Table 5-1). The Form 2 items were grouped into 12 different categories as follows:



**Figure 5-1**  
**SCHEMATIC OF NATIONAL HYDROPOWER STUDY**  
**FORM 2 TAPES**

**Table 5-1**  
**FORM 2 EXAMPLE SITE LISTING**

FORM2 - FL68A80001 - LOCATION AND IDENTIFICATION

DATE: 02/11/81

1	R2/M U	PROJECT IDENTIFICATION NUMBER	(A10)	FL68A80001
2	01 R2/U	PROJECT NAME -20-	(4A10)	MACCLENNY
3	R1 R2/U M	ACTIVE IN INVENTORY -430-	(F2.0)	2.
4	R1 R2/M U	STATUS OF FILE -0-	(A3)	DRC
5	R1 R2/M	LAST UPDATE (YR/MO/DY) -1-	(A10)	81/02/11
6	R1 R2/M	LAST UPDATE (TIME OF DAY) -2-	(A10)	07.47.11
7	R2/M	LAST COMPUTATION DATE (YR/MO/DY)	(A10)	81/02/11
8	R1 R2/M U	INVENTORY OF DAMS IDENTIFICATION NUMBER -10-	(A7)	FLU0004
9	R1 R2/M	USGS TAPE NUMBER (USED FOR INFLOW SELECTION) -5-	(F12.0)	12.
10	R1 R2/M	SELECTED GAGE DRAINAGE AREA (SQ MI) -6-	(F12.1)	700.0
11	R1 R2/U M	WEIGHTED NET POWER HEAD (FT) -7-	(F12.1)	68.9
12	C1 C2/M	SITE-TO-GAGE DRAINAGE AREA RATIO -8-	(F12.2)	1.03
13	C1 C2/M	POWER STORAGE-TO-AVERAGE ANNUAL INFLOW RATIO -9-	(F12.2)	.73
14	C2/M	AVERAGE ANNUAL DISCHARGE PER AREA (CFS/SQ.MI.)	(F12.2)	.97
15		CAPACITY SELECTION CRITERION (WORD 1 OF 5)	(A10)	(13*1.0), (
16		CAPACITY SELECTION CRITERION (WORD 2 OF 5)	(A10)	16*1.0)
17		CAPACITY SELECTION CRITERION (WORD 3 OF 5)	(A10)	
18		CAPACITY SELECTION CRITERION (WORD 4 OF 5)	(A10)	
19		CAPACITY SELECTION CRITERION (WORD 5 OF 5)	(A10)	
20	R2/U	DISTRICT COMPOSITE RANKING	(A10)	0.
21	R2/U	DIVISION COMPOSITE RANKING	(A10)	0.
22	R2/U	STATE COMPOSITE RANKING	(A10)	0.
23		RESERVED FOR FUTURE USE	(A10)	
24	R2/U M	FLOW-DURATION ESTIMATE DESIRED -280-	(A3)	YES
25	R2/U M	SEQUENTIAL ANALYSIS DESIRED	(A3)	NO
26	R2/U	ERC ECONOMIC RANKING	(A10)	0.
27	R2/U	ERC NON-ECONOMIC RANKING	(A10)	0.
28	R2/U	ERC COMPOSITE RANKING	(A10)	2000.
29		RESERVED FOR FUTURE USE	(A10)	
30		RESERVED FOR FUTURE USE	(A10)	
31	01 R2/U	NAME OF STREAM -30-	(3A10)	ST MARYS RIVER
32	R1 R2/U	DIVISION -40-	(A3)	SAD
33	R1 R2/U	DISTRICT -50-	(A3)	SAS
34	01 R2/U	REGION -60-	(F12.1)	3.0
35	01 R2/U	BAasin -70-	(F12.1)	7.0
36	R1 R2/U	LATITUDE -80-	(A10)	30 21.6
37	R1 R2/U	LONGITUDE -90-	(A10)	82 5.1
38	R1 R2/U	PRIMARY STATE -100-	(A2)	FL
39	01 R2/U	PRIMARY COUNTY -110-	(F12.1)	3.0
40	01 R2/U	PRIMARY COUNTY NAME -610-	(2A10)	BAKER
41	01 R2/U	NEAREST DOWNSTREAM TOWN -600-	(3A10)	STOKESVILLE GA
42	01 R2/U	PRIMARY CONGRESSIONAL DISTRICT -120-	(F3.0)	2.
43	01 D2/U	SECONDARY STATE -130-	(A2)	GA
44	01 D2/U	SECONDARY COUNTY -140-	(F4.0)	49.
45	01 D2/U	SECONDARY COUNTY NAME	(2A10)	CHARLTON
46	01 D2/U	SECONDARY CONGRESSIONAL DISTRICT -150-	(F3.0)	1.
47	01 R2/M	FERC REGIONAL OFFICE -160-	(A2)	AT
48	R1 R2/U	FERC POWER SUPPLY AREA -170-	(F3.0)	28.
49	01 D2/U	FERC RIVER BASIN CODE -180-	(F7.0)	C.
50	01 D2/U	FERC SITE CODE -190-	(F3.0)	0.
51	01 D2/U	FERC STATE CODE -200-	(F3.0)	12.
52	01 R2/M	ELECTRIC RELIABILITY COUNCIL -310-	(A5)	BERC
53		ELECTRIC RELIABILITY COUNCIL SUB-REGION	(A10)	FL
54		RESERVED FOR FUTURE USE	(A10)	
55		RESERVED FOR FUTURE USE	(A10)	
56		RESERVED FOR FUTURE USE	(A10)	

**Table 5-1 (Continued)**  
**FORM 2 EXAMPLE SITE LISTING**

FORM2 - FL68A80001 - PHYSICAL CHARACTERISTICS

DATE: 02/11/81

57	R2/U	TYPE OF DAM						(A2)	DT	
58	02/U	COMMENT (ON OTHER?)						(A410)	CONCRETE AND EARTH	
59	R2/U	YEAR COMPLETED						(F5.0)	0.	EMBANKMENT
60	01 D2/U	OWNER -390-						(SA10)		
61	01 R2/U	OWNER CODE -400-						(A1)	U	
62	01 R2/U	PURPOSES -410-						(A7)	MR	
63	01 R2/U	STATUS -420-						(A2)	IS	
64	01 R2/U	EXISTING FEATURES FOR POWER -380-						(SA10)		
65	01 R2/U	DEPENDENT OR INDEPENDENT -440-						(A1)	I	
66	01 D2/U	COMMENT -450-						(SA10)		
67-76		SYSTEM SEQUENCE								
	02/U	PROJ 67	69	71	73	75		(A7)		
	02/U	ABOVE 68	70	72	74	76		(A7)		
77		RESERVED FOR FUTURE USE						(A10)		
78		RESERVED FOR FUTURE USE						(A10)		
79		RESERVED FOR FUTURE USE						(A10)		
80		ELEVATION OF TOP OF DAM (FT.MSL)						(F12.1)		122.0
81	R2/U	HEIGHT OF DAM (FT)						(F12.1)		82.0
82	R2/U	CREST LENGTH (FT)						(F12.1)		12280.0
83	R2/U	SITE CROSS-SECTIONAL CLASSIFICATION						(A1)		
84	R2/U	SITE ARRANGEMENT CLASSIFICATION						(A1)		
85	R2/U	WATERWAY LENGTH (FT)						(F12.0)		0.
86	R2/U	WATERWAY DESIGN FLOW (CFS)						(F12.0)		0.
87	R2/U	HEIGHT TO TOP OF FLOOD CONTROL POOL (FT)						(F12.1)		75.0
88	R2/U	CUMULATIVE STORAGE AT TOP OF FLOOD CONTROL POOL (AC FT)						(F12.0)		870000.
89	R2/U	SURFACE AREA AT TOP OF FLOOD CONTROL POOL (AC)						(F12.0)		42800.
90	R2/U	MAXIMUM OUTFLOW CAPACITY AT TOP OF FLOOD CONTROL POOL (CFS)						(F12.0)		67000.
91	R2/U	HEIGHT TO TOP OF CONSERVATION POOL (FT)						(F12.1)		70.0
92	R2/U	CUMULATIVE STORAGE AT TOP OF CONSERVATION POOL (AC FT)						(F12.0)		675000.
93	R2/U	SURFACE AREA AT TOP OF CONSERVATION POOL (AC)						(F12.0)		32400.
94	R2/U	MAXIMUM OUTFLOW CAPACITY AT TOP OF CONSERVATION POOL (CFS)						(F12.0)		0.
95	R2/U	HEIGHT TO BOTTOM OF POWER POOL (FT)						(F12.1)		55.0
96	R2/U	CUMULATIVE STORAGE AT BOTTOM OF POWER POOL (AC FT)						(F12.0)		305000.
97	R2/U	SURFACE AREA AT BOTTOM OF POWER POOL (AC)						(F12.0)		17800.
98	R2/U	MAXIMUM OUTFLOW CAPACITY AT BOTTOM OF POWER POOL (CFS)						(F12.0)		0.
99	R2/U	HEIGHT TO TOP OF INACTIVE POOL (FT)						(F12.1)		0.
100	R2/U	CUMULATIVE STORAGE AT TOP OF INACTIVE POOL (AC FT)						(F12.0)		0.
101	R2/U	SURFACE AREA AT TOP OF INACTIVE POOL (AC)						(F12.0)		0.
102	R2/U	MAXIMUM OUTFLOW CAPACITY AT TOP OF INACTIVE POOL (CFS)						(F12.0)		0.
103	F1 R2/U	HYDRAULIC HEIGHT OF DAM (FT) -210-						(F12.1)		80.0
104	01 R2/U	MAXIMUM STORAGE (AC FT) -220-						(F12.0)		970000.
105	F1 F2/U	NORMAL NET POWER HEAD (FT) -250-						(F12.1)		69.0
106-113		DISCHARGE (CFS) VS HEIGHT (FT) RELATIONSHIP FOR TAILWATER								
	F2 R2/U	DISCHARGE(106)	0.(108)	0.(110)	0.(112)	0.		(F8.0)		
	F2 R2/U	HEIGHT (107)	0.(109)	0.(111)	0.(113)	0.		(F8.1)		
114-125		MONTHLY PLANT FACTORS								
	R2/U M	JAN# 0. FEB# 0. MAR# 0. APR# 0. MAY# 0. JUN# 0.						(F6.2)		
	R2/U M	JUL# 0. AUG# 0. SEPT# 0. OCT# 0. NOV# 0. DEC# 0.						(F6.2)		

FORM2 - FL68A80001 - HYDROLOGIC CHARACTERISTICS

DATE: 02/11/81

124	R1 R2/U	DRAINAGE AREA (SQ MI) -260-						(F12.1)		720.0
127	R1 R2/U M	REPRESENTATIVE GAGE SELECTED -290-						(F12.0)		2231000.
128	01 R2/U M	AVERAGE ANNUAL INFLOW (CFS) -300-						(F12.1)		700.0
129-140		NET LAKE EVAPORATION (INCHES)								
	R2/U M	JAN(129) 0. FEB(130) 0. MAR(131) 0. APR(132) 0.						(F6.2)		
	R2/U M	MAY(133) 0. JUN(134) 0. JUL(135) 0. AUG(136) 0.						(F6.2)		
	R2/U M	SEP(137) 0. OCT(138) 0. NOV(139) 0. DEC(140) 0.						(F6.2)		
141	R2/U	AVERAGE ANNUAL UPSTREAM DIVERSION (CFS)						(F12.1)		*****
142	R2/U	PURPOSE OF DIVERSION						(A10)		
143		DOWNSTREAM CHANNEL CAPACITY (CFS)						(F12.1)		*****
144		RESERVED FOR FUTURE USE						(A10)		
145		RESERVED FOR FUTURE USE						(A10)		

**Table 5-1 (Continued)**  
**FORM 2 EXAMPLE SITE LISTING**

FORM2 - FL68A80001 - OTHER PERTINENT DATA

DATE: 02/11/81

146	O2/U	PRIOR STUDIES - COMMENT . . . . .	(S10)	
147	R1 R2/U	KNOWN POTENTIAL CONSTRAINTS -460- . . . . .	(A3)	
148	O1 O2/U	COMMENT -470- . . . . .	(S10)	
149	O1 O2/U	GENERAL COMMENTS -480- . . . . .	(S10)	
150	O1 O2/U	GENERAL COMMENTS -490- . . . . .	(S10)	
151	O1 O2/U	GENERAL COMMENTS -500- . . . . .	(S10)	
152	O2/M	KNOWN SIGNIFICANT ADVERSE ENVIRONMENTAL IMPACTS . . . . .	(A3)	
153	O2/U	COMMENT . . . . .	(S10)	
154	O2/U	KNOWN PROJECT PROPONENTS . . . . .	(A3)	
155	O2/U	COMMENT . . . . .	(S10)	
156	O2/U	KNOWN PROJECT OPPONENTS . . . . .	(A3)	
157	O2/U	COMMENT . . . . .	(S10)	
158	O2/U	KNOWN OR PROJECTED COMPETITIVE USES OF WATER . . . . .	(A3)	
159	O2/U	COMMENT . . . . .	(S10)	
160	O2/U	MAP REFERENCE . . . . .	(S10)	
161	O2/U	ADDITIONAL VALUE 1 -620- . . . . .	(F12.1)	0.
162	O2/U	ADDITIONAL VALUE 2 -630- . . . . .	(F12.1)	0.
163	O2/U	ADDITIONAL VALUE 3 -640- . . . . .	(F12.1)	0.
164	O2/U	ADDITIONAL VALUE 4 -650- . . . . .	(F12.1)	0.
165	O2/U	ADDITIONAL VALUE 5 -660- . . . . .	(F12.1)	0.

FORM2 - FL68A80001 - FINANCIAL DATA SUMMARY

DATE: 02/11/81

166-197

			FIELD ESTIMATE	MACHINE ESTIMATE		
E2/U--E2/M	TOTAL FIRST COST (\$1000)	(166)	30177.(182)	122387.	(F9.0)	
E2/U--E2/M	CONTINGENCIES	(167)	0.(183)	30596626.	(F9.0)	
E2/U--E2/M	ENGINEERING AND OVERHEAD	(168)	3309000.(184)	7151526.	(F9.0)	
E2/U--E2/M	INTEREST DURING CONSTRUCTION	(169)	2009000.(185)	9026690.	(F9.0)	
E2/U--E2/M	TOTAL INVESTMENT (\$1000)	(170)	35495.(186)	74675.	(F9.0)	
E2/U--E2/M	ANNUAL INTEREST AND AMORTIZATION	(171)	1124000.(187)	5140589.	(F9.0)	
E2/U--E2/M	ANNUAL O, M, AND R	(172)	242000.(188)	226989.	(F9.0)	
E2/U--E2/M	ANNUAL PUMPING COST	(173)	0.(189)	0.	(F9.0)	
E2/U--E2/M	TOTAL ANNUAL COST	(174)	1366000.(190)	5367578.	(F9.0)	
E2/U--E2/M	INTEREST RATE (PERCENT X 1000)	(175)	3000.(191)	6675.	(F9.0)	
E2/U--E2/M	PRICE LEVEL (YEAR)	(176)	1965.(192)	0.	(F9.0)	
E2/U--E2/M	ANNUAL POWER BENEFITS (\$1000)	(177)	0.(193)	1021.	(F9.0)	
E2/U--E2/M	OTHER ANNUAL BENEFITS (\$1000)	(178)	0.(194)	0.	(F9.0)	
E2/U--E2/M	TOTAL ANNUAL BENEFITS (\$1000)	(179)	0.(195)	1021.	(F9.0)	
E2/U--E2/M	BENEFIT-TO-COST RATIO X 100	(180)	0.(196)	19.	(F9.0)	
E2/U--E2/M	AVERAGE COST OF ENERGY (\$/MWH)	(181)	0.(197)	238.	(F9.0)	
198	RESERVED FOR FUTURE USE . . . . .				(F12.0)	0.
199	RESERVED FOR FUTURE USE . . . . .				(F12.0)	0.
200	RESERVED FOR FUTURE USE . . . . .				(F12.0)	0.
201	RESERVED FOR FUTURE USE . . . . .				(F12.0)	0.
202	RESERVED FOR FUTURE USE . . . . .				(F12.0)	0.
203	RESERVED FOR FUTURE USE . . . . .				(F12.0)	0.
204	RESERVED FOR FUTURE USE . . . . .				(F12.0)	0.
205	RESERVED FOR FUTURE USE . . . . .				(F12.0)	0.



**Table 5-1 (Continued)**  
**FORM 2 EXAMPLE SITE LISTING**

FORM2 • PL68A80001 • DETAILS OF FIELD ESTIMATE

DATE: 02/11/81

206	E2/M	LANDS AND DAMAGES (\$1000)	(F12.2)	7324.00
207	E2/U	RELOCATIONS (\$1000) -- SPECIAL COST ITEM	(F12.2)	4476.00
208	E2/M	RESERVOIRS (\$1000)	(F12.2)	5400.00
209	E2/M	DAM (\$1000)	(F12.2)	5632.00
210	E2/U	AUXILIARY DAM (\$1000) -- SPECIAL COST ITEM	(F12.2)	-99000.00
211	E2/M	POWER INTAKE (\$1000)	(F12.2)	0.
212	E2/M	POWERPLANT (INCLUDING SWITCHYARD) (\$1000)	(F12.2)	6618.00
213	E2/U	ROADS, RAILROADS, AND BRIDGES (\$1000) -- SPECIAL COST ITEM	(F12.2)	38.00
214	E2/U	RECREATION FACILITIES (\$1000)	(F12.2)	689.00
215	E2/U	TRANSMISSION FACILITIES (\$1000) -- SPECIAL COST ITEM	(F12.2)	0.
216	E2/U	BUILDINGS, GROUNDS, AND UTILITIES (\$1000)	(F12.2)	0.
217	E2/U	PERMANENT OPERATING EQUIPMENT (\$1000)	(F12.2)	0.
218	R2/U M	POTENTIAL CAPACITY (KW)	(F12.2)	0.
219	R2/U M	ANNUAL ENERGY PRODUCTION (MWH)	(F12.2)	0.
220	R2/U M	ANNUAL PUMPING ENERGY (MWH)	(F12.2)	0.
221	R2/U M	DEPENDABLE CAPACITY VALUE (\$/KW-YR)	(F12.2)	0.
222	R2/U M	INTERRUPTIBLE CAPACITY VALUE (\$/KW-YR)	(F12.2)	0.
223	R2/U M	ENERGY PRODUCTION VALUE (\$/MWH)	(F12.2)	0.
224	R2/U M	PUMPING ENERGY COST (\$/MWH)	(F12.2)	0.
225	O2/U	COMMENT - ALTERNATIVE ASSUMED	(SA10)	
226	R2/U	COST ALLOCATION ON WHICH ABOVE COSTS ARE BASED (EX. HSC5)	(A10)	
227	R2/U M	LOCAL OR REMOTE OPERATION (TURBINE TYPE - 2ND CHARACTER)	(A10)	
228		RESERVED FOR FUTURE USE	(A10)	
229		RESERVED FOR FUTURE USE	(A10)	
230		RESERVED FOR FUTURE USE	(A10)	
231	R1 R2/U M	CONVENTIONAL CAPACITY - EXISTING (KW) -320-	(F12.2)	0.
232	R2/U M	CONVENTIONAL CAPACITY - NEW POTENTIAL (KW)	(F12.2)	0.
233	R1 R2/U M	CONVENTIONAL CAPACITY - TOTAL (KW) -360-	(F12.2)	0.
234	R2/U	REVERSIBLE CAPACITY - EXISTING (KW)	(F12.2)	0.
235	R2/U M	REVERSIBLE CAPACITY - NEW POTENTIAL (KW)	(F12.2)	0.
236	R2/M	REVERSIBLE CAPACITY - TOTAL (KW)	(F12.2)	0.
237	R2/M	TOTAL PLANT CAPACITY - EXISTING (KW)	(F12.2)	0.
238	R2/U M	NUMBER OF UNITS FOR ITEM 237	(F12.2)	0.
239	R1 R2/U M	AVERAGE ANNUAL ENERGY - EXISTING (MWH) -330-	(F12.2)	0.
240	R2/U M	AVERAGE ANNUAL PLANT FACTOR	(F12.2)	0.
241	O2/U	COMMENT	(SA10)	
242	O2/U	COMMENT	(SA10)	
243	R2/U M	TOTAL PLANT CAPACITY - NEW POTENTIAL (KW)	(F12.2)	0.
244	R2/U M	NUMBER OF UNITS FOR ITEM 243	(F12.2)	0.
245	R2/M	TOTAL PLANT CAPACITY - TOTAL (KW)	(F12.2)	0.
246	R2/U M	NUMBER OF UNITS FOR ITEM 245	(F12.2)	0.
247	R1 R2/U M	AVERAGE ANNUAL ENERGY - TOTAL (MWH) -370-	(F12.2)	=21810.73
248	R2/U M	AVERAGE ANNUAL PLANT FACTOR	(F12.2)	0.
249	O2/U	COMMENT	(SA10)	
250	R2/U M	DEPENDABLE CAPACITY - EXISTING (KW)	(F12.2)	0.
251	R2/U M	DEPENDABLE CAPACITY - TOTAL (KW)	(F12.2)	0.
252	R2/L	PUMPING ENERGY REQUIRED - EXISTING (MWH)	(F12.2)	0.
253	R2/M	PUMPING ENERGY REQUIRED - TOTAL (MWH)	(F12.2)	0.
254	O2/U	COMMENT	(SA10)	
255		ANNUAL FIRM ENERGY - EXISTING (MWH)	(F12.2)	*****
256		ANNUAL FIRM ENERGY - TOTAL (MWH)	(F12.2)	*****
257		RESERVED FOR FUTURE USE	(A10)	
258		RESERVED FOR FUTURE USE	(A10)	
259		RESERVED FOR FUTURE USE	(A10)	
260		RESERVED FOR FUTURE USE	(A10)	

**Table 5-1 (Continued)**  
**FORM 2 EXAMPLE SITE LISTING**

FORM2 - FL68A80001 - SOURCE BY TYPE OF NEW CAPACITY AND ENERGY      DATE: 02/11/81

261	02/U	UPGRADING TURBINES AND GENERATORS (KW)	(F12.0)	0.
262	02/U	UPGRADING TURBINES AND GENERATORS (MWH)	(F12.0)	0.
263	02/U	REALLOCATION OF STORAGE (KW)	(F12.0)	0.
264	02/U	REALLOCATION OF STORAGE (MWH)	(F12.0)	0.
265	02/U	OPERATIONAL CHANGES (KW)	(F12.0)	0.
266	02/U	OPERATIONAL CHANGES (MWH)	(F12.0)	0.
267	02/U	ADDITIONAL GENERATING SETS (KW)	(F12.0)	0.
268	02/U	ADDITIONAL GENERATING SETS (MWH)	(F12.0)	0.
269	02/U	OTHER (KW)	(F12.0)	0.
270	02/U	OTHER (MWH)	(F12.0)	0.
271	02/U	COMMENT ON OTHER	(S10)	
272		RESERVED FOR FUTURE USE	(A10)	
273		RESERVED FOR FUTURE USE	(A10)	
274		RESERVED FOR FUTURE USE	(A10)	
275		RESERVED FOR FUTURE USE	(A10)	

FORM2 - FL68A80001 - POWER DATA -- MACHINE RESULTS --      DATE: 02/11/81

276		LATEST ESTIMATE OF DEPENDABLE CAPACITY FROM SEQ. ANALYSIS	(F12.0)	0.
277		LATEST ESTIMATE OF ANNUAL FIRM ENERGY FROM SEQ. ANALYSIS	(F12.0)	0.
278		OPTIMUM EXCEEDENCE FROM FLOW-DURATION ANALYSIS	(F12.4)	.0982
279		OPTIMUM EXCEEDENCE FROM SEQUENTIAL ANALYSIS	(F12.4)	0.
280		ITEMS 290 THRU 319 ARE BASED UPON (SEQ) OR (FLD) ANALYSIS	(A3)	FLD
281		LATEST ESTIMATE OF AVERAGE ANNUAL ENERGY FROM SEQ. ANALYSIS	(F12.2)	0.
282		AVERAGE ANNUAL SPILLAGE (CF8) FROM FLOW-DURATION ANALYSIS	(F12.2)	0.
283		AVERAGE ANNUAL AVAILABLE POWER FLOW (CF8)	(F12.2)	757.60
284		AVERAGE ANNUAL ENERGY ADJUSTMENT FACTOR (0.0 TO 2.0)	(F12.2)	0.
285		LATEST ESTIMATE OF POWER HEAD FROM SEQ. ANALYSIS	(F12.2)	0.
286		LATEST ESTIMATE OF AVERAGE ANNUAL SPILL FROM SEQ. ANALYSIS	(F12.2)	*****
287		AVERAGE ANNUAL ENERGY FOR EXISTING CAPACITY (FLOW-DURATION)	(F12.2)	*****
288		RESERVED FOR FUTURE USE	(F12.2)	*****
289		RESERVED FOR FUTURE USE	(F12.2)	0.
290		... TOTAL POTENTIAL RESULTS ... -700 THRU 709-		
290		CAPACITY (KW)	(F12.2)	8970.39
291		AVERAGE ANNUAL ENERGY (MWH)	(F12.2)	22567.05
292		ANNUAL PLANT FACTOR	(F12.2)	.29
293		DEPENDABLE CAPACITY BENEFIT (\$/KW-YR)	(F12.2)	40.81
294		AVERAGE ANNUAL ENERGY BENEFIT (\$/MWH-YR)	(F12.2)	36.89
295		ANNUAL CAPACITY BENEFIT (\$/YR)	(F12.2)	187970.33
296		ANNUAL ENERGY BENEFIT (\$/YR)	(F12.2)	832542.12
297		TOTAL ANNUAL BENEFIT (\$/YR)	(F12.2)	1020512.45
298		TOTAL ANNUAL COST (\$/YR)	(F12.2)	5367577.82
299		B/C RATIO	(F12.2)	.19
300		... EXISTING CAPACITY RESULTS ... -320 THRU 330-		
300		CAPACITY (KW)	(F12.2)	0.
301		AVERAGE ANNUAL ENERGY (MWH)	(F12.2)	0.
302		ANNUAL PLANT FACTOR	(F12.2)	0.
303		DEPENDABLE CAPACITY BENEFIT (\$/KW-YR)	(F12.2)	0.
304		AVERAGE ANNUAL ENERGY BENEFIT (\$/MWH-YR)	(F12.2)	0.
305		ANNUAL CAPACITY BENEFIT (\$/YR)	(F12.2)	0.
306		ANNUAL ENERGY BENEFIT (\$/YR)	(F12.2)	0.
307		TOTAL ANNUAL BENEFIT (\$/YR)	(F12.2)	0.
308		TOTAL ANNUAL COST (\$/YR)	(F12.2)	0.
309		B/C RATIO	(F12.2)	0.
310		... INCREMENTAL CAPACITY RESULTS ... -710 THRU 719-		
310		CAPACITY (KW)	(F12.2)	8970.39
311		AVERAGE ANNUAL ENERGY (MWH)	(F12.2)	22567.05
312		ANNUAL PLANT FACTOR	(F12.2)	.29
313		DEPENDABLE CAPACITY BENEFIT (\$/KW-YR)	(F12.2)	40.81
314		AVERAGE ANNUAL ENERGY BENEFIT (\$/MWH-YR)	(F12.2)	36.89
315		ANNUAL CAPACITY BENEFIT (\$/YR)	(F12.2)	187970.33
316		ANNUAL ENERGY BENEFIT (\$/YR)	(F12.2)	832542.12
317		TOTAL ANNUAL BENEFIT (\$/YR)	(F12.2)	1020512.45
318		TOTAL ANNUAL COST (\$/YR)	(F12.2)	5367577.82
319		B/C RATIO	(F12.2)	.19

**Table 5-1 (Continued)**  
**FORM 2 EXAMPLE SITE LISTING**

320-439	MACHINE RESULTS FROM FLOW-DURATION ANALYSIS		
440-505	MACHINE RESULTS FROM SEQUENTIAL FLOW ANALYSIS		
506	NUMBER OF UNITS . . . . .	(F12.0)	1.
507	SIZE OF UNITS (KK) . . . . .	(F12.0)	0.
508	TYPE OF UNITS . . . . .	(5A10)	
509-569	MACHINE RESULTS FROM SEQUENTIAL FLOW ANALYSIS		
	FORM2 - FL68AS0001 - ENVIRONMENTAL IMPACTS		DATE: 02/11/81
570	NATIONAL/STATE PARK/LANDS ADVERSELY IMPACTED (AC) . . . . .	(F12.2)	0.
571	NATIONAL/STATE PARK/LANDS ENHANCED (AC) . . . . .	(F12.2)	0.
572	COMMENT . . . . .	(5A10)	IMPACTS OR ENHANCEMENTS NEGLECTIBLE
573	NATIONAL/STATE WILD AND SCENIC RIVERS DEGRADED (MI) . . . . .	(F12.2)	0.
574	NATIONAL/STATE WILD AND SCENIC RIVERS ENHANCED (MI) . . . . .	(F12.2)	0.
575	COMMENT . . . . .	(5A10)	IMPACTS OR ENHANCEMENTS NEGLECTIBLE
576	POTENTIAL WILD AND SCENIC RIVERS DEGRADED (MI) . . . . .	(F12.2)	3.00
577	POTENTIAL WILD AND SCENIC RIVERS ENHANCED (MI) . . . . .	(F12.2)	0.
578	COMMENT . . . . .	(5A10)	ST MARYS RIVER IS CATEGORY B
579	RECREATION LAKES/RESERVOIRS ADVERSELY IMPACTED (AC) . . . . .	(F12.2)	0.
580	RECREATION LAKES/RESERVOIRS ENHANCED (AC) . . . . .	(F12.2)	3.00
581	COMMENT . . . . .	(5A10)	CREATS LARGE REV WHERE NONE PRESENT AREA
582	WILDERNESS, PRIMITIVE AND/OR NATURAL, ADVERSELY IMPACTED (AC) . . . . .	(F12.2)	0.
583	WILDERNESS, PRIMITIVE AND/OR NATURAL, ENHANCED (AC) . . . . .	(F12.2)	0.
584	COMMENT . . . . .	(5A10)	IMPACTS OR ENHANCEMENTS NEGLECTIBLE
585	ESTUARINE AND WETLAND AREAS ADVERSELY IMPACTED (AC) . . . . .	(F12.2)	3.00
586	ESTUARINE AND WETLAND AREAS ENHANCED (AC) . . . . .	(F12.2)	0.
587	COMMENT . . . . .	(5A10)	EXTENSIVE FRESHWATER SWAMPS
588	CULTURAL RESOURCE SITES ADVERSELY IMPACTED (NUMBER) . . . . .	(F12.2)	0.
589	CULTURAL RESOURCE SITES PRESERVED (NUMBER) . . . . .	(F12.2)	0.
590	COMMENT . . . . .	(5A10)	IMPACTS OR ENHANCEMENTS NEGLECTIBLE
591	CRITICAL/IMPORTANT WILDLIFE HABITAT ADVERSELY IMPACTED (AC) . . . . .	(F12.2)	3.00
592	CRITICAL/IMPORTANT WILDLIFE HABITAT ENHANCED (AC) . . . . .	(F12.2)	0.
593	COMMENT . . . . .	(5A10)	MAJOR IMPACT
594	FISHERY HABITAT ADVERSELY IMPACTED (AC) . . . . .	(F12.2)	2.00
595	FISHERY HABITAT ENHANCED (AC) . . . . .	(F12.2)	2.00
596	COMMENT . . . . .	(5A10)	BLACKWATER STREAM FISHERY REPLACED LAKE FISHERY
597	FISHERY HABITAT ADVERSELY IMPACTED (STREAM MILE) . . . . .	(F12.2)	2.00
598	FISHERY HABITAT ENHANCED (STREAM MILE) . . . . .	(F12.2)	2.00
599	COMMENT . . . . .	(5A10)	SEE ITEM 596
600	ENDANGERED SPECIES ADVERSELY IMPACTED (NUMBER) . . . . .	(F12.2)	2.00
601	ENDANGERED SPECIES ENHANCED (NUMBER) . . . . .	(F12.2)	0.
602	COMMENT . . . . .	(5A10)	MODERATE IMPACT
603	WATER QUALITY ADVERSELY IMPACTED . . . . .	(A3)	YES
604	WATER QUALITY ENHANCED . . . . .	(A3)	NO
605	COMMENT . . . . .	(5A10)	MODERATE POTENTIAL IMPACT
606	OTHER ADVERSE IMPACTS . . . . .	(A3)	NO
607	OTHER ENHANCEMENTS . . . . .	(A3)	NO
608	COMMENT . . . . .	(5A10)	NOTE*0#NEGL.,1#MINOR, 2#MOD.,3#MAJOR
609	DELETE FROM ACTIVE INVENTORY . . . . .	(A3)	NO
610	COMMENT . . . . .	(5A10)	

**Table 5-1 (Continued)**  
**FORM 2 EXAMPLE SITE LISTING**

611	RESERVED FOR FUTURE USE		(A10)
612	RESERVED FOR FUTURE USE		(A10)
613	RESERVED FOR FUTURE USE		(A10)
614	RESERVED FOR FUTURE USE		(A10)
615	RESERVED FOR FUTURE USE		(A10)
616	RESERVED FOR FUTURE USE		(A10)
617	RESERVED FOR FUTURE USE		(A10)
618	RESERVED FOR FUTURE USE		(A10)
619	RESERVED FOR FUTURE USE		(A10)

FORM2 - FL6SAS0001 - SOCIAL IMPACTS

DATE: 02/11/81

620	PERSONS RELOCATED (NUMBER)	(F12.2)	1462.00
621	TOWNS RELOCATED (NUMBER)	(F12.2)	4.15
622	BUSINESSES RELOCATED (NUMBER)	(F12.2)	35.00
623	HIGHWAYS AND RAILROADS RELOCATED (MI)	(F12.2)	150.00
624	HIGHWAY AND RAILROAD BRIDGES RELOCATED (NUMBER)	(F12.2)	16.00
625	NAVIGATION ADVERSELY IMPACTED (MI)	(F12.2)	0.
626	COMMENT	(5A10)	
627	NAVIGATION ENHANCED (MI)	(F12.2)	0.
628	COMMENT	(5A10)	
629	FARM LAND INUNDATED (AC)	(F12.2)	32000.00
630	COMMENT	(5A10)	
631	DELETE FROM ACTIVE INVENTORY	(A3)	NO
632	COMMENT	(5A10)	
633	RESERVED FOR FUTURE USE	(A10)	
634	RESERVED FOR FUTURE USE	(A10)	
635	RESERVED FOR FUTURE USE	(A10)	
636	RESERVED FOR FUTURE USE	(A10)	
637	RESERVED FOR FUTURE USE	(A10)	
638	RESERVED FOR FUTURE USE	(A10)	
639	RESERVED FOR FUTURE USE	(A10)	

FORM2 - FL6SAS0001 - PROJECT ACCEPTABILITY

DATE: 02/11/81

640	POLITICAL FACTORS SUPPORTING AUTHORIZATION	(A3)	YES
641	POLITICAL FACTORS OPPOSING AUTHORIZATION	(A3)	
642	COMMENT	(5A10)	AREA CONGRESSIONALS, NASSAU CO PZ DEPT
643	OTHER FEDERAL AND STATE AGENCY OPPOSITION	(A3)	YES
644	COMMENT	(5A10)	HERITAGE CONSV, FWS
645	LOCAL PUBLIC SUPPORT	(A3)	YES
646	LOCAL PUBLIC OPPOSITION	(A3)	
647	COMMENT	(5A10)	CITIZEN
648	ENVIRONMENTAL GROUP SUPPORT	(A3)	
649	ENVIRONMENTAL GROUP OPPOSITION	(A3)	YES
650	COMMENT	(5A10)	GA CONSERVANCY
651	OTHER SOCIAL GROUP SUPPORT	(A3)	
652	OTHER SOCIAL GROUP OPPOSITION	(A3)	
653	COMMENT	(5A10)	
654	UTILITY INTEREST GROUP SUPPORT	(A3)	
655	UTILITY INTEREST GROUP OPPOSITION	(A3)	
656	COMMENT	(5A10)	

**Table 5-1 (Continued)**  
**FORM 2 EXAMPLE SITE LISTING**

657	GENERAL COMMENT . . . . .	(5A10)	
658	DELETE FROM ACTIVE INVENTORY . . . . .	(A3)	
659	COMMENT . . . . .	(5A10)	
660	RESERVED FOR FUTURE USE . . . . .	(A10)	
661	RESERVED FOR FUTURE USE . . . . .	(A10)	
662	RESERVED FOR FUTURE USE . . . . .	(A10)	
663	RESERVED FOR FUTURE USE . . . . .	(A10)	
664	RESERVED FOR FUTURE USE . . . . .	(A10)	
665	RESERVED FOR FUTURE USE . . . . .	(A10)	
666	RESERVED FOR FUTURE USE . . . . .	(A10)	
667	RESERVED FOR FUTURE USE . . . . .	(A10)	
668	RESERVED FOR FUTURE USE . . . . .	(A10)	
669	RESERVED FOR FUTURE USE . . . . .	(A10)	
FORM2 - FL68A80001 - MARKETABILITY			DATE: 02/11/81
670	AVERAGE ANNUAL POWER REPAYMENT REQUIRED (\$1000) . . . . .	(F12,2)	0.
671	REPAYMENT RATE REQUIRED (\$/KW-YR) . . . . .	(F12,2)	0.
672	REPAYMENT RATE REQUIRED (\$/MWH) . . . . .	(F12,2)	0.
673	DEPENDABLE CAPACITY VALUE (\$/KW-YR) . . . . .	(F12,2)	-40.81
674	INTERRUPTIBLE CAPACITY VALUE (\$/KW-YR) . . . . .	(F12,2)	-20.40
675	FIRM ENERGY VALUE (\$/MWH) . . . . .	(F12,2)	*****
676	SECONDARY ENERGY VALUE (\$/MWH) . . . . .	(F12,2)	*****
677	GENERAL COMMENT . . . . .	(5A10)	
678	GENERAL COMMENT . . . . .	(A10)	
679	DELETE FROM ACTIVE INVENTORY . . . . .	(A10)	
680	COMMENT ON DELETION FROM ACTIVE INVENTORY . . . . .	(A10)	
681	COMMENT ON DELETION FROM ACTIVE INVENTORY . . . . .	(A10)	
682	COMMENT ON DELETION FROM ACTIVE INVENTORY . . . . .	(A10)	
683	COMMENT ON DELETION FROM ACTIVE INVENTORY . . . . .	(A10)	
684	COMMENT ON DELETION FROM ACTIVE INVENTORY . . . . .	(A10)	
685	COMMENT ON DELETION FROM ACTIVE INVENTORY . . . . .	(A10)	
686	COMMENT ON DELETION FROM ACTIVE INVENTORY . . . . .	(A10)	
687	COMMENT ON DELETION FROM ACTIVE INVENTORY . . . . .	(A10)	
688	COMMENT ON DELETION FROM ACTIVE INVENTORY . . . . .	(A10)	
689	SCREENING INDICATOR BASED ON ITEMS 679,688,631,609 . . . . .	(A10)	2200

- Location and Identification
- Physical Characteristics
- Hydrologic Characteristics
- Other Pertinent Data
- Financial Data Summary
- Details of Field Estimate
- Source by Type of New Capacity and Energy
- Power Data - Machine Results
- Environmental Impacts
- Social Impacts
- Project Acceptability
- Marketability

There are 689 data items requiring 889 words of storage per site. Each word has the capability of storing ten characters. If this program were compiled on a system other than CDC, additional word space would be required. Not all of the word space has been assigned, to allow for inclusion of additional data types not originally thought essential. Also, very few if any sites contain data entries for all assigned data items. Much of the assigned space was unnecessary for an adequate determination of project acceptability. Table 5-1 lists the Form 2 for a typical project. The alphanumeric key shown between the item number and description was initially used to indicate whether the user needed to enter the data.

R = required  
O = optional  
1 = during Form 1 Studies  
2 = during Form 2 Studies  
M = machine, automatic input  
U = user input

Example R1 R2/M U infers that item 8 was required in Form 1 and Form 2 studies and the XFRM2 computer program (machine) would normally transfer this data from the Form 1 tape to item 8 of Form 2 but that as a second choice the user could enter it or change it. These keys were not utilized for long, as error messages were relied on to tell a user where data deficiencies remained or what assumptions were used by the program during an analysis. The notations in parenthesis indicate the print format (FORTRAN designation) of the data item. F (floating point) numbers are right justified in the printout while the A (alphanumeric) characters are left justified in the print field. Detailed descriptions of each data item are contained in Volume XIII Part 3, "Form 2, Data Item Description".

### 5.3 FILE STRUCTURE

Each Division file contains a series of indexes and site information records. The indexes allow the system to access the site information records in a direct or random access mode. A "master index" (See Figure 5-2) for each Division contains the location of the "sub-indexes" for each combination of State-Corps District within the Division. Each sub-index contains six words for each site within the State-Corps District combination. The first of these six words is the site ID number and the 6th word is the address of the start of the entire Form 2 data for that particular site. The other

4 words contain pertinent data (see list below) about the site. This data may be used as a constraint in searching for a particular group of sites such as all sites in Texas with existing hydropower and an estimated added increment of capacity potential between 100kW and 25,000kW. The constraints would be tested in the sub-index before going to the storage segment of the file where the entire Form 2 data is stored. The sub-index contains the following data which provides for efficiency in search time.

- State where located
- Project type
- Corps of Engineers District and Division
- 4 digit code serial number unique within a District
- Status of file
- Data of last analysis action
- Date of last data modification action
- Region code
- Basin Code
- Primary Congressional District
- Owner code
- Total potential capacity group (36 ranges)
- Existing capacity group
- Total potential B/C ratio
- Existing B/C ratio
- FERC power supply area
- Activity flag
- FERC site code
- FERC river basin code



Figure 5-2 diagrams the file structure and more specific detail is contained in Volume XIII Part 2, "XFRM2, Computer Software Documentation", paragraph 2.1 and Appendix B.

#### 5.4 DATA INPUT AND RETRIEVAL

Basic data common to both the Form 1 and Form 2 were transferred from Form 1 to Form 2 by use of a special computer routine. Additional data required for the improved capacity and energy estimates were input by remote batch terminals located at each District Office. A combination editor and analysis program, XFRM2, consisting of a main program and numerous subroutines was developed by the Hydrologic Engineering Center to provide data input-retrieval, editing, tabular displays, count, sum, list and different methods of project analysis. Data words can be masked to use only parts of the stored word. Temporary data changes can be made to a site's data, an analysis executed and results printed without permanently affecting the file. Tabular displays can be easily designed in a flexible manner and any number of Divisional files searched on user specified constraints and then merged, sorted and displayed by an hierarchical sort criteria such as by state, county, project name, size, etc. Mathematical expressions between data items or between real numbers and data can be applied before entering the modified data back into the file or displaying it in a tabular printed form. A data item for a site or group of sites can be computed as a function of any other data item or combination of data items. Tables 5-2 and 5-3 contain a list of single site and global commands. More details are contained in Volume XIII Part 2, Section 4.3. The table of sites from the active files of all Divisions included as Appendix C to this volume was generated by means of the TAB command.

EXAMPLE OF LOCATING SITE NYANCB0023

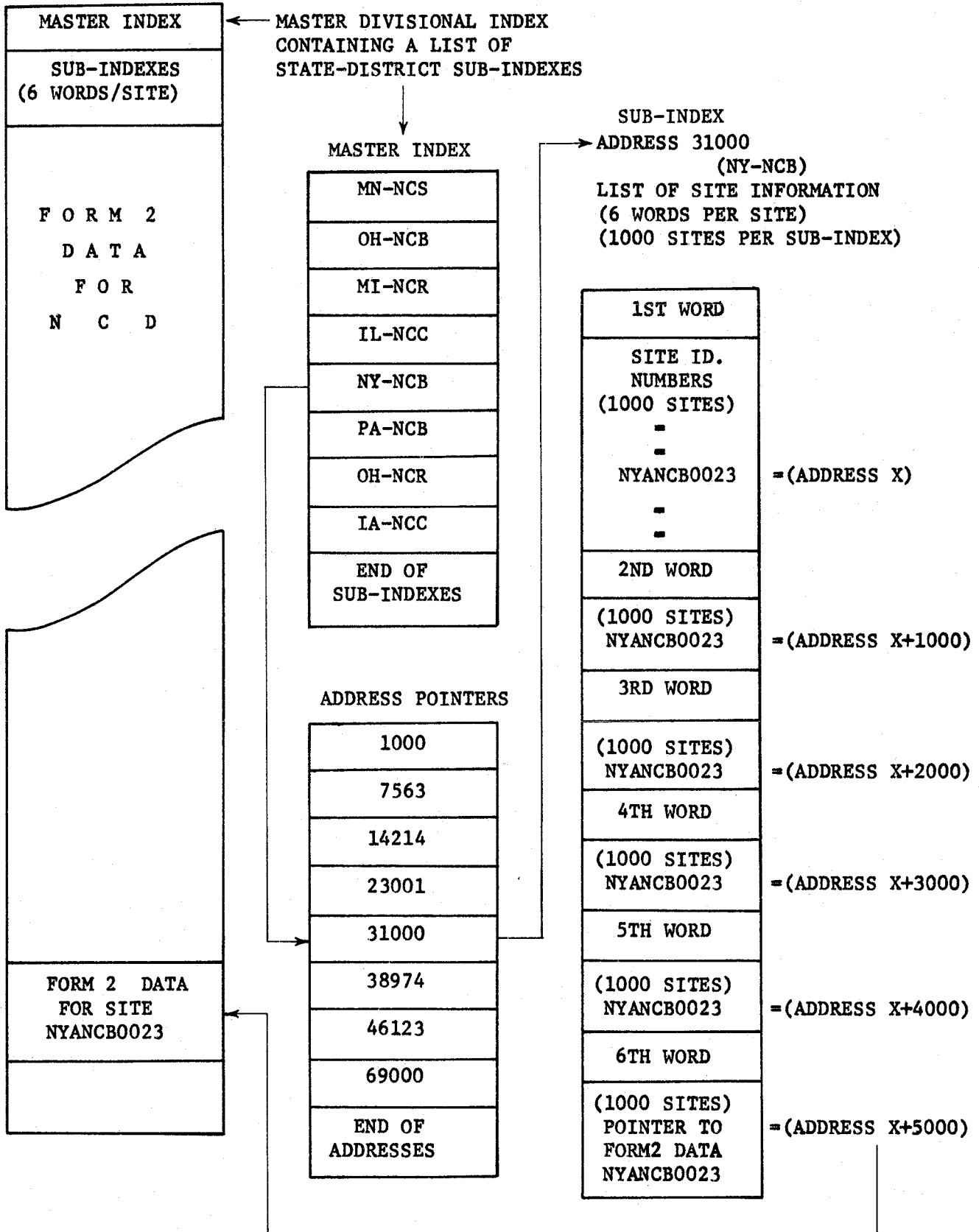


Figure 5-2  
SCHEMATIC OF MASTER DIVISIONAL INDEX AND SUB-INDEXES

**Table 5-2**  
**AVAILABLE 'SINGLE SITE' COMMANDS**

COMMAND CODE	COMMAND FUNCTION
CRT	CREATE a Form 2 site
DCT	DEACTIVATE a Form 2 site
DLT	DELETE a Form 2 site
END	Job TERMINATION command
FDN	Power potential analysis using new FLOW-DURATION
FDO	Power potential analysis using previous FLOW-DURATION
FDP	Request printout of LATEST FLOW-DURATION analysis
LST	LIST items for a Form 2 site
MOD	MODIFY items for a Form 2 site
RET	RETRIEVE a Form 2 site
SEP	Request printout of LATEST SEQUENTIAL analysis
SEQ	Power potential analysis using SEQUENTIAL ROUTING techniques for CRITICAL PERIOD OF DRAWDOWN
SER	Power potential analysis using SEQUENTIAL ROUTING techniques for PERIOD-OF-RECORD
SRR	Power potential analysis using SEQUENTIAL RUN-OF-RIVER technique

**Table 5-3**  
**AVAILABLE GLOBAL SEARCH COMMANDS**

COMMAND CODE	COMMAND FUNCTION
AVE	AVERAGE items from a group of Form 2 sites
CNT	COUNT the number of sites meeting specified conditions
CUM	Plot a CUMULATIVE DISTRIBUTION from a group of Form 2 site items
DCT	DEACTIVATE a group of Form 2 sites
END	Job TERMINATION command
FDN	Power potential analysis for a group of sites by using new FLOW-DURATION data
FDO	Power potential analysis for a group of sites by using previous FLOW-DURATION data
FDP	Request printout of LATEST FLOW-DURATION analysis for a group of sites.
HIS	Plot a HISTOGRAM from a group of Form 2 site items
INV	Generate an INVENTORY of a divisional/district file
LST	LIST items from a group of Form 2 sites
MOD	MODIFY items in a group of Form 2 sites
RET	RETRIEVE a group of Form 2 sites
SEP	Request printout of LATEST SEQUENTIAL analysis for a group of Form 2 sites
SEQ	Power potential analysis for a group of sites using SEQUENTIAL ROUTING technique for CRITICAL PERIOD-OF-DRAWDOWN
SER	Power potential analysis for a group of sites using SEQUENTIAL ROUTING technique for PERIOD-OF-RECORD
SRR	Power potential analysis for a group of sites using SEQUENTIAL RUN-OF-RIVER technique
SUM	TOTAL items from a group of Form 2 sites
TAB	Develop a TABLE of items from a group of Form 2 sites

## 5.5 DATA COLLECTION

Personnel in each Corps of Engineers District who were assigned to the study used many sources to obtain the physical and hydrologic data required for detailed analytic procedures. The availability of data and level of detail was diverse for each site. Data for existing structures were usually available in state registers of dams, "as-built" drawings or project reports. Some projects were so old that reports and drawings were no longer available. Many contacts with project owners and some site visits were required. Most of the details required for cost estimates and power estimates at undeveloped sites came from "basin wide" and project feasibility reports. Topographic mapping with scales of 1 inch = 2,000 feet and 1 inch = 1 mile were commonly used to estimate crest lengths, valley shapes, and drainage areas. Reference stream gages were reviewed and accepted or replaced in the data file early in Stage 3 data collection. Some of the major additions to the data file for undeveloped sites over that contained in Form 1 were:

### Physical Characteristics

- Valley cross section shape
- Site type
- Waterway length and design discharge
- Elevation, area and storage data at 6 levels of allocation
- Tailwater rating
- Monthly evaporation data
- Monthly load pattern

### Environmental Impacts (adverse or enhance)

- Park Areas impacted
- Wild and Scenic river reaches
- Primitive areas impacted
- Cultured areas, fishery habitat, endangered species affected
- Water quality

### Social Impacts

### Project Acceptability

### Marketability

After this additional physical data was collected and added to the District's file, one of the several analytic procedures was applied and the first screening, based on net benefits, was used to sort out those projects considered worthy of continued data collection on environmental and other aspects.

### 5.6 TYPES OF PROJECTS

One of the significant bits of data affecting the analytic procedure applied to a site was the project type. Each project was classified in data item 84 as one of 36 categories of project type. Table 5-4 displays the possible categories. Cost routines were designed to handle various types of projects encountered in this study, such as existing, undeveloped, run-of-river, storage, reservoir, or diversion.

**Table 5-4**  
**DESCRIPTION OF PROJECT TYPE**  
**(ITEM 84)**

STATUS OF WATERWAY STRUCTURE	TYPE OF OPERATION					
	RUN OF RIVER	DIVERSION	RESERVOIR	RES. WITH DIVERSION	IRRIGATION CANAL	OTHER
EXISTING	A	B	C	D	E	F
EXISTING WITH POWER	G	H	I	J	K	L
EXISTING WITH RETIRED POWER PLANT	M	N	O	P	Q	R
BREACHED	S	T	U	V	W	X
BREACHED WITH RETIRED POWER PLANT	Y	Z	0	1	2	3
UNDEVELOPED	4	5	6	7	8	9

## 5.7 ANALYSIS ASSUMPTIONS AND TECHNIQUES

The analysis procedures for Form 2 were significantly modified over those used during Form 1 to estimate capacity, energy and cost. There are five basic ways to perform the capacity and energy analysis via XFRM2.

### Flow Duration Analysis

This procedure (FDN) uses an estimated flow-duration curve by selecting a representative stream gage (if the user has not designated one). This representative gaged flow is adjusted by drainage area ratio. Trial design discharges are selected at flows exceeded 1, 5, 10, 20, 40, 60, 80, 90, 95 and 99 percent of time. A capacity associated with each of these design discharges is computed and the cost and benefits of each is calculated. Curves are fitted through the capacity-benefits points and the capacity-costs points. Next the program searches the range of these two curves to find the capacity at which "net" benefits are a maximum. This optimization function can be altered by the user specifying optimization on some other variable or combination of variables. Typically this might be maximizing the B/C ratio, minimizing unit energy cost or maximizing energy production. A variation of this procedure can be activated by an "FDO" command if the site has previously been analyzed and a gage selection and adjusted flow-duration curve already stored in the data base, thus avoiding unnecessary computer time to search for gage data. Dependable capacity is assumed as the capacity which is available 85 percent of the time, but not exceeding the assumed design capacity. Firm energy is assumed as the average annual energy associated with the dependable capacity. These are somewhat arbitrary, but



reasonable assumptions for truly run-of-river projects. Another variation of this procedure can be invoked by the user selecting the capacity, energy and dependable capacity. Thus, the cost and benefit routines can be circumvented from making a selection based on optimization of some other parameter.

This flow duration method is particularly applicable to a run-of-river type project when no significant amount of storage exists to store surplus flow during wet periods to be released during flow deficient periods. A tailwater rating curve is particularly important in low-head sites because if high flows cause the tailwater stage to rise faster than the headwater stage, a flow will be reached which causes the "net head" to fall below the turbines capability to operate smoothly and forces it to be shutdown. A uniform plant efficiency of 0.86 was adopted in the power equation.

#### Sequential Monthly Flow Analysis

For sites with significant storage that can be allocated to hydropower, a month by month storage, inflow-outflow routing was used to develop a more realistic estimate of dependable capacity. The same procedures were used to select a representative stream gage from the file of some 16,000 possible gages as is used in the flow-duration procedure. The monthly flow for the period-of-record for that gage was factored up or down by the drainage area ratio. The physical data and hydrologic data section of the site's Form 2 file was searched to obtain data required for establishing reservoir storage-area-elevation-discharge-tailwater rating and reference levels used in the sequential simulation model (HEC-5). Many data checks were required and default assumptions were printed to alert the user to assumptions made in

the absence of user specified preferences. The SER command caused the sequential model to search for the critical drawdown period and plant capacity which would empty the designated power storage allocation one time during the period of streamflow record. This was an interative process of trial and adjustment. Usually no more than two cycles of critical period and subsequent period-of-record analysis were required to come within the specified limits (5%) of utilizing all of the available storage. Firm annual energy was adjusted to an annual basis by use of the load pattern and critical drawdown period. "Dependable Capacity" was set at the installed capacity which fully utilized available storage during the critical drawdown period. Average annual energy was computed and printed as a comparison with the average annual energy determined from the flow-duration procedure. The program only used the dependable capacity and the corresponding firm annual energy from the sequential analysis. The average annual energy was developed for the ten project sizes using the flow duration procedures. Since a higher value was credited to dependable capacity and firm energy using the sequential analysis - a larger plant could usually be economically justified. The power storage/mean annual flow index of 0.1 was recommended as an indication that a sequential analysis should be performed. This equates to a power storage equal to about 5 weeks of normal flow. Any smaller index value will likely cause optimization problems in the sequential model determination of dependable capacity based on monthly averages. Evaporation data were taken into account in the sequential analysis. Also, any specified diversions above the project or losses through fish ladders or navigation were deducted.

The other two procedures which perform a monthly sequential type routing differ from that described above in the following manner.

SEQ does a sequential analysis on an estimate of the critical drawdown period only. The critical period is estimated by an empirical equation which was developed through regression analysis based on numerous sequential routings of different projects. This linear equation estimates the length of the critical period based on an estimate of the available power storage at the site; where the storage is expressed in terms of annual power storage-to-mean annual flow ( $70 \times \text{ps/MAF}$ ). A test run on about 170 projects in different regions of the country were utilized in developing this equation. Storage is expressed in units of equivalent annual mean flow. As with the SER procedure, the SEQ procedure is only used to estimate "dependable capacity" and "firm annual energy".

SRR is the third procedure which can be employed and it is primarily applicable for run-of-river type projects where a specified capacity is used to route sequentially one-time through the period-of-record to determine the average annual energy that can be generated. Usually this is desirable where the installed capacity is significantly larger than "dependable capacity" and a large amount of secondary energy can be generated during periods of high flow. This option provides the only way for the economic routines to use the average annual energy determined from sequential routings instead of from flow-duration analysis. More discussion on error messages and procedures are documented in Volume XIII part 2, "XFRM2" Section 5.4.

#### Cost Procedures

Both the flow-duration and sequential routing procedures used the same cost estimating routines. The costing procedures were developed by the Hydroelectric Design Branch of the North Pacific Division and personnel of the Portland District, Corps of Engineers. Complete documentation of these procedures are contained in Volume XIII Part 4, "Cost Estimating Manual",

revised July 1980. Basic data to develop the various cost curves were obtained from numerous sources: Corps Districts, Water and Power Resources Service, Soil Conservation Service, Federal Energy Regulatory Commission and Tennessee Valley Authority. Cost information was based on data obtained on approximately 100 projects, either in final design stage, presently under construction, or recently completed.

Procedures contained in the cost estimating manual were programmed as a subroutine in the XFRM2 computer program. The procedures provide a reasonable reconnaissance level cost estimation for single purpose projects based on either additions to existing dams or total costs at undeveloped sites. In the case of existing dams, costs include powerplant, intake and outlet works and any special costs input by the user. Undeveloped sites include costs of embankment, spillway, waterway (canal, etc.), reservoir clearing and land acquisition. Powerplant costs include required excavation costs, intake and trashracks, bulkheads and gates, draft tube trashrack and guides, turbine, generator, cooling system, electrical switchgear, breakers, buses, station service unit, control system, auxiliary systems and equipment, including tailrace gantry cranes, powerhouse bridge crane and switchyard. For the small sites (less than 10 MW and 100 feet of head) no costs were included for gantry and bridge cranes and switchyard. Costs for fish facilities, relocations, clearing and purchase of lands and final landscaping can be supplied on a specific project. Adjustment factors were applied to construction costs and land costs for geographic location (based on State); also for the number of units in the powerplant. Engineering and overhead were added at a variable rate based on total project construction costs and ranged from 9% at \$150 million to a maximum of 17.5%. Interest during

construction was based on an estimated period of construction of 2 years for adding a powerplant to an existing dam to 6 years for a large (greater than 250 feet height of dam) hydro and dam project. An assumed uniform annual construction cost and 6-7/8 percent interest rate and 100-year economic life were adopted. Annual operation and maintenance costs were related to installed capacity and whether the project was perceived to be operated locally or remotely. A 10 MW locally operated plant's annual O&M charge was estimated at about \$150,000 and a 1,000 MW locally operated plant was charged about \$2,500,000. Spillway costs were estimated as a function of average annual flow. All costs were based on July 1978 price levels for both Form 1 and Form 2 analysis.

### Benefits

Power benefits used in the NHS analysis were obtained from the Office of Electric Power Regulation, Federal Energy Regulatory Commission. Regional offices of that agency prepared the area-specific values. Several editions of these benefit values were received during the various study stages. Preliminary generalized power values were received in June 1978 for use in the Stage 2 analysis (using Form 1 data). These values were based on regional alternative fuel costs for the 32 different Electrical Reliability Council regions and sub-regions throughout the nation. They were based on January 1978 price levels and considered to be applied "at-market". Assumptions included private financing at 10 percent cost of money, characteristics and costs (including fuel costs) of thermal alternatives, suggested "mix" of base-load alternatives and estimated pumping energy cost. Steam-electric base-load alternatives reflect the added cost of environmental

control facilities. Benefits were given for both the capacity (\$/kW-YR) and energy (mills/kWh) components of the projects. The annual capacity factor (equated to plant factor in this study) was used as an indicator of the most probable alternative fuel source. Plants having annual capacity factors of 0-20 percent were based on combustion turbine alternatives; those with plant factors of 30-40 percent were based on combined cycles alternatives; those with plant factors of 50-100 percent were based on either coal fired or nuclear alternatives. For those locations where coal fired or nuclear alternatives were indicated, the coal fired alternative was always used. Although FERC provided equivalent values whereby all benefits could be assigned by either capacity or energy, the study managers decided to treat the two benefits separate. Also, an assumption was made to credit non-dependable capacity at 1/2 the value of dependable and non-firm energy at the full value of firm. During Stage 2 evaluations, where dependable capacity was assumed at a capacity associated with the 85% of time-exceeded flow, benefits were generally undervalued for storage type projects. However, some compensation resulted from the assumption of 100% plant efficiency.

During Stage 3 analysis, the FERC provided study managers with an updated set of values based on two separate computations (1) based on private financing and 11-1/2 percent cost of money and (2) federal financing and 7-1/8 percent cost of money. Both were adjusted to July 1979 price levels. Based on a review of the options of adjusting cost routines and benefits to a higher cost of financing and 1981 projected price levels (date of report publication) and the many generalized techniques and assumptions used throughout the reconnaissance level studies, it was concluded to maintain the

preliminary values of capacity and energy during all stages of the study and leave the costs at July 1978 price levels. Tables 5-5 and 5-6 display the adopted values associated with the computed average annual plant factor for the different regions shown in Figure 5-3. It is recognized that use of the overall average annual plant factor (more properly a plant use factor) rather than the plant factor based on dependable capacity and firm annual energy is another in a long line of simplifying assumptions to obtain a relative evaluation of a large number of projects distributed throughout the U.S. Future studies of site specific project feasibility must become more site specific in both cost and benefit analysis as well as storage and cost allocation aspects. Volume XIII Part 5, contains regional data and assumptions leading to the adopted preliminary values developed by FERC.

#### Analytic Techniques and Display

Each project analyzed went through the cost evaluation routines of XFRM2. If a project had an existing powerplant, the cost display was for the incremental cost of adding units to the project and cost curve lookup for powerplant costs was based on the equivalent cost of a new powerplant equal in size to the added increment. No additional cost was included for project costs already incurred. The array of different powerplant sizes considered (10 sizes) in an analysis represent costs for the added increment in those cases. For undeveloped projects, the analysis included costs and benefits for all aspects of a single-purpose hydropower project. Table 5-7 shows a typical analysis display for an undeveloped storage type project. The analysis and output are different for other project types. The three basic project types are:

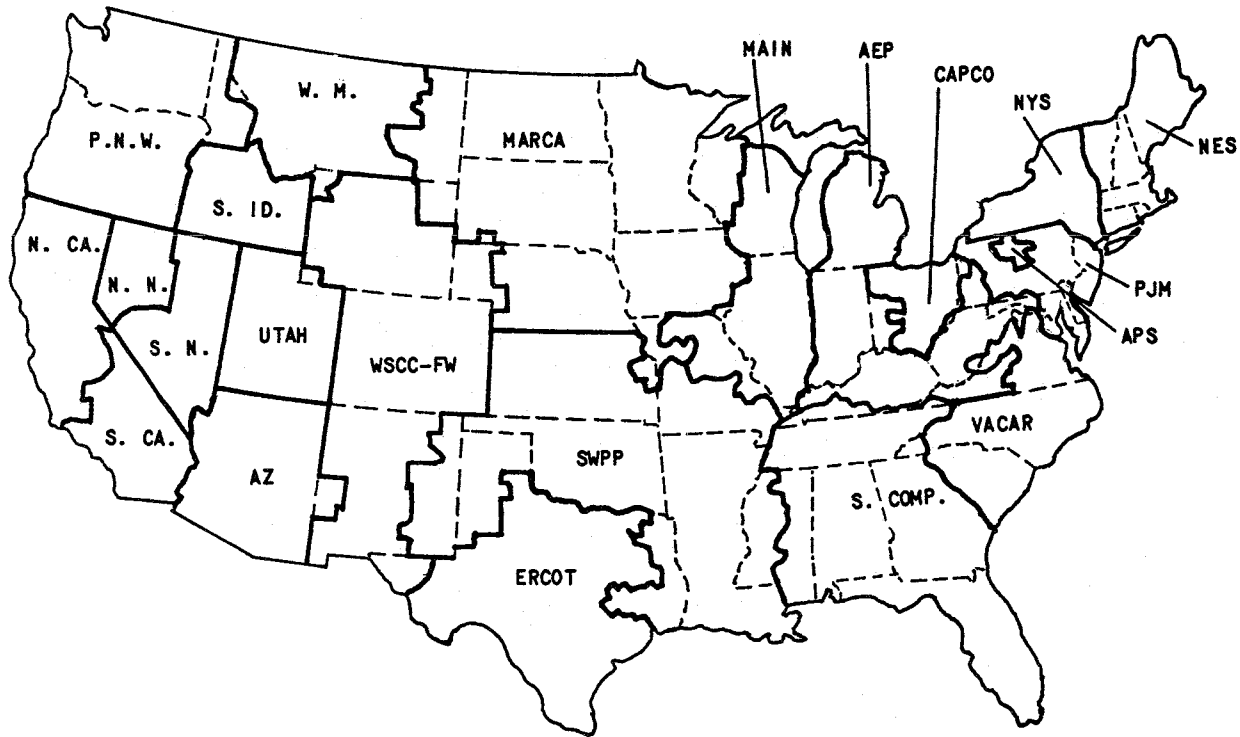
**Table 5-5**  
**REGIONAL CAPACITY BENEFIT VALUES**  
**(FERC, 1978)**

Region	Capacity Benefit as Function of APF (\$/KW)										
	APF: 0	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
VACAR	25.1	25.5	25.9	40.9	31.0	120.1	121.8	179.0	184.3	189.6	194.6
Southern Companies (S. COMP)	30.1	21.2	12.3	45.0	43.1	109.5	111.8	170.7	175.5	180.4	185.3
ECAR	31.9	32.8	32.8	66.1	66.1	135.2	135.2	135.2	135.2	135.2	135.2
MAIN	37.2	33.2	33.2	67.1	67.1	134.9	134.9	134.9	134.9	134.9	134.9
MARCA	36.9	31.5	31.5	63.5	63.5	135.5	135.5	135.5	135.5	135.5	135.5
WSPCC-FW	40.8	30.1	30.1	68.1	68.1	130.8	130.8	130.8	130.8	130.8	130.8
SWPP	30.8	30.4	30.4	68.9	68.9	125.1	125.1	125.1	125.1	125.1	125.1
ERCOT	39.8	29.3	29.3	65.9	65.9	119.0	119.0	119.0	119.0	119.0	119.0
New England (NES)	39.3	30.5	30.5	70.0	70.0	188.1	188.1	188.1	188.1	188.1	188.1
New York (NYS)	33.3	33.0	33.0	75.5	75.5	183.7	183.7	183.7	183.7	183.7	183.7
PJM	32.5	28.2	28.2	64.9	64.9	136.0	136.0	136.0	136.0	136.0	136.0
CAPCO	36.0	29.3	29.3	67.5	67.5	180.1	180.1	180.1	180.1	180.1	180.1
AFP	45.4	27.3	27.3	62.5	62.5	110.0	110.0	110.0	110.0	110.0	110.0
APS	20.4	27.5	27.5	62.5	62.5	139.4	139.4	139.4	139.4	139.4	139.4
Northern California (N.CA.)	36.1	37.6	37.6	69.7	69.7	156.5	156.5	156.5	156.5	156.5	156.5
Southern California (S.CA.)	50.0	49.6	49.6	80.4	80.4	164.8	164.8	164.8	164.8	164.8	164.8
Pacific Northwest (P.N.W.)	30.3	24.7	24.7	53.6	53.6	121.0	121.0	121.0	121.0	121.0	121.0
Arizona (AZ.)	44.2	44.3	44.3	86.8	86.8	224.0	224.0	224.0	224.0	224.0	224.0
Southern Idaho (S.ID.)	21.6	35.4	35.4	71.0	71.0	160.1	160.1	160.1	160.1	160.1	160.1
Western Montana (W.M.)	27.1	37.2	37.2	74.3	74.3	161.5	161.5	161.5	161.5	161.5	161.5
Northern Nevada (N.N.)	24.1	35.0	35.0	70.1	70.1	197.4	197.4	197.4	197.4	197.4	197.4
Southern Nevada (S.N.)	30.5	36.5	36.5	72.6	72.6	164.4	164.4	164.4	164.4	164.4	164.4
Utah	36.8	36.2	36.2	72.3	72.3	162.2	162.2	162.2	162.2	162.2	162.2
Island of Oahu, Hawaii	49.5	45.0	45.0	75.4	75.4	120.6	120.6	120.6	120.6	120.6	120.6
Island of Hawaii, Hawaii	78.7	102.3	102.3	102.3	102.3	169.4	169.4	169.4	169.4	169.4	169.4
Island of Kauai, Hawaii	78.4	102.3	102.3	102.3	102.3	169.4	169.4	169.4	169.4	169.4	169.4
Island of Maui, Hawaii	55.1	82.7	82.7	82.7	82.7	171.1	171.1	171.1	171.1	171.1	171.1
Island of Molakai, Hawaii	103.6	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7
Anchorage, Alaska	30.5	30.4	30.4	48.4	48.4	124.5	124.5	124.5	124.5	124.5	124.5
Fairbanks, Alaska	35.7	37.1	37.1	37.1	37.1	149.5	149.5	149.5	149.5	149.5	149.5
Valdez, Alaska	109.0	109.0	109.0	109.0	109.0	109.0	109.0	109.0	109.0	109.0	109.0
Ketchikan, Alaska	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5



**Table 5-6**  
**REGIONAL ENERGY BENEFIT VALUES**  
**(FERC, 1978)**

Region	Energy Benefit as Function of APF (\$/MWH)											
	APF: 0	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	
VACAR	45.3	45.3	45.3	35.7	35.7	11.0	11.0	4.8	4.8	4.8	4.8	4.8
Southern Companies (S. COMP)	45.0	45.0	45.0	35.7	35.7	9.1	9.1	4.8	4.8	4.8	4.8	4.8
ECAR	38.2	38.2	38.8	23.5	23.1	12.7	12.6	12.5	12.4	12.4	12.3	12.3
MAIN	43.9	43.9	41.6	25.4	23.5	12.9	12.4	12.0	11.8	11.6	11.4	11.4
MARCA	40.3	40.3	37.2	24.1	22.6	10.1	10.0	9.9	9.8	9.7	9.7	9.7
WSCC-FW	33.5	33.5	27.4	24.1	23.6	5.8	6.7	7.3	7.8	8.2	8.5	8.5
SWPP	35.2	35.2	34.9	23.3	22.1	12.0	11.9	11.9	11.9	11.8	11.8	11.8
ERCOT	29.8	29.8	23.8	22.6	21.1	9.4	9.6	9.7	9.8	9.9	9.9	9.9
New England (NES)	35.5	35.5	30.5	28.9	27.1	1.0	4.0	6.0	7.6	8.8	9.8	9.8
New York (NYS)	39.2	39.2	39.1	29.2	26.9	10.5	11.8	12.8	13.5	14.1	14.5	14.5
PJM	38.6	38.6	36.2	29.8	28.1	11.3	11.5	11.6	11.7	11.8	11.9	11.9
CAPCO	37.6	37.6	33.8	29.8	26.7	2.8	4.5	5.6	6.5	7.2	7.8	7.8
APF	33.2	33.2	22.9	29.8	25.1	9.4	9.5	9.6	9.7	9.7	9.7	9.7
APS	45.0	45.0	49.1	31.1	23.7	9.4	9.8	10.1	10.3	10.4	10.5	10.5
Northern California (N.CA.)	34.4	34.4	35.3	21.2	21.6	11.8	13.0	13.8	14.4	14.9	15.3	15.3
Southern California (S.CA.)	33.8	33.8	33.6	21.0	21.4	10.0	11.0	11.6	12.1	12.5	12.8	12.8
Pacific Northwest (P.N.W.)	31.9	31.9	28.7	21.1	21.2	14.1	13.5	13.1	12.7	12.5	12.3	12.3
Arizona (AZ.)	34.6	34.6	34.6	21.8	22.4	15.2	14.7	14.4	14.2	14.0	13.9	13.9
Southern Idaho (S.ID.)	39.0	39.0	43.3	22.4	22.4	9.7	10.0	10.2	10.4	10.5	10.6	10.6
Western Montana (W.M.)	39.4	39.4	45.2	22.0	22.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Northern Nevada (N.N.)	38.5	38.5	44.8	21.4	21.6	10.7	11.8	12.6	13.1	13.6	13.9	13.9
Southern Nevada (S.N.)	36.1	36.1	39.5	21.3	21.9	9.3	9.1	9.0	8.8	8.7	8.7	8.7
Utah	34.3	34.3	34.0	20.0	18.5	7.7	7.8	7.8	7.8	7.9	7.9	7.9
Island of Oahu, Hawaii	35.5	35.3	32.9	24.2	25.7	20.1	21.2	22.0	22.7	23.1	23.5	23.5
Island of Hawaii, Hawaii	7.9	7.9	21.4	25.9	28.2	25.7	26.7	27.5	28.0	28.5	28.8	28.8
Island of Kauai, Hawaii	7.6	7.6	21.3	25.9	28.1	25.7	26.7	27.5	28.1	28.5	28.8	28.8
Island of Maui, Hawaii	4.4	4.4	20.1	25.4	28.0	25.6	26.8	27.6	28.2	28.7	29.1	29.1
Island of Molokai, Hawaii	22.8	22.8	32.0	35.1	36.6	37.5	38.1	38.6	38.9	39.1	39.3	39.3
Anchorage, Alaska	20.6	20.6	20.3	8.7	11.4	10.1	10.9	11.5	12.0	12.4	12.6	12.6
Fairbanks, Alaska	27.0	27.0	29.1	29.8	30.2	8.7	8.9	9.0	9.1	9.2	9.3	9.3
Valdez, Alaska	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
Ketchikan, Alaska	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6



Source: Hydroelectric Power Evaluations. Federal Power Commission, Washington, D.C., March 1968.

**Figure 5-3**  
**FERC REGIONS FOR CAPACITY AND ENERGY BENEFITS**

**Table 5-7**  
**ANALYSIS OF AN UNDEVELOPED STORAGE PROJECT**

MACCLENNY		FL69AS0001	
		COST ESTIMATE FORM	
		(\$1,000,000)	
		JULY 1978 PRICE LEVEL	FIRST
			COST
MAJOR COST ITEMS			
(1)	POWERPLANT ( 1 9.0 MH SP. KAPLAN UNIT(8) )	5.63	
(2)	EMBANKMENT (DAMS, DICES)	11.25	
(3)	SPILLWAY	7.12	
(4)	INTAKE AND OUTLET	0.	
(5)	WATERWAY (CANAL, CHANNEL, CONDUIT)	0.	
(6)	RESERVOIR	4.28	
INVESTMENT COST COMPUTATIONS			
(7)	TOTAL FIRST COST	28.28	
	SUBTOTAL A = SUMATION OF (1) THRU (6)		
(8)	(7)*GEOGRAPHIC FACTOR( .85)	24.04	
(9)	LAND COSTS	98.35	
(10)	SUBTOTAL B=(8+9)*CONTINGENCY(1.25)		
(11)	SPECIAL COST ITEMS		
(12)	TOTAL CONSTRUCTION COST		
	SUBTOTAL C =(10+11)		
(13)	ENGINEERING AND OVERHEAD COSTS		
	(12)*KENGRC(.122 )	7.15	
(14)	TOTAL PROJECT COST		
	SUBTOTAL D =(12+13)	65.65	
(15)	INTEREST DURING CONSTRUCTION		
	(14)*IDC( .1375)	9.03	
(16)	TOTAL INVESTMENT COST		
	(14+15)	74.68	
ANNUAL COST COMPUTATIONS			
(17)	AMORTIZED COST		
	(16)*AMORTIZATION FACTOR( .06884)	5.14	
(18)	OPERATION(L) AND MAINTAINANCE COSTS		
		.15	
(19)	REPLACEMENT COSTS		
	(17)*0.0125*GEOGRAPHIC FACTOR( .85)*CONTINGENCY(1.25)	.07	
(20)	TOTAL ANNUAL COST		
	(17)+(18)+(19)	5.37	
	TOTAL COST		

**Table 5-7 (Continued)**  
**ANALYSIS OF AN UNDEVELOPED STORAGE PROJECT**

FORM2 SITE - FL6SA80001 POWER POTENTIAL RESULTS USING FLOW-DURATION TECHNIQUE DATE : 11 FEB 81

ROW ASSIGNMENT	MATHEMATICAL EXPRESSION	DESCRIPTION	ITEM	TOTAL POTENTIAL CAPACITY	EXISTING CAPACITY	NEW POTENTIAL CAPACITY
1	STORED	181	INSTALLED CAPACITY (KW)	8970.39	0	8970.39
2	STORED	281	AVERAGE ANNUAL ENERGY (KWH)	22567.09	0	22567.09
3	STORED	382/(0.76*1)	AVERAGE ANNUAL PLANT FACTOR	.29	0	.29
4	STORED	48P(PT. FLOW)	DEPENDABLE CAPACITY (KW)	2299.50	0	2299.50
5	STORED	585	ANNUAL FIRM ENERGY (MWH)	8728.58	0	8728.58
6	STORED	681=4	INTERRUPTIBLE CAPACITY (KW)	20267.55	0	20267.55
7	STORED	782=5	ANNUAL SECONDARY ENERGY (KWH)	40.81	0	40.81
8	STORED	886	DEPENDABLE CAPACITY BENEFIT (\$/KWH-YR)	20.40	0	20.40
9	STORED	980.50*8	INTERRUPTIBLE CAPACITY BENEFIT (\$/MWH-YR)	36.69	0	36.69
10	STORED	1080	AVERAGE ANNUAL ENERGY BENEFIT (\$/YR)	187970.33	0	187970.33
11	STORED	11*(4*8)+(6*9)	ANNUAL CAPACITY BENEFIT (\$/YR)	832542.12	0	832542.12
12	STORED	12*2*10	ANNUAL ENERGY BENEFIT (\$/YR)	1020512.45	0	1020512.45
13	STORED	13*11+12	TOTAL ANNUAL BENEFIT (\$/YR)	598.37	0	598.37
14	STORED	14*16/1	INSTALLED CAPACITY COST (\$/KWH-YR)	237.85	0	237.85
15	STORED	15*16/2	AVERAGE ANNUAL ENERGY COST (\$/MWH-YR)	5367577.82	0	5367577.82
16	STORED	16*16	TOTAL ANNUAL ENERGY COST (\$/YR)	-4347065.37	0	-4347065.37
17	STORED	17*13-16	TOTAL ANNUAL NET BENEFIT (\$/YR)	.19	0	.19
18	STORED	18*13/16	BENEFIT-TO-COST RATIO			

US88 GAGE NUMBER 2231000 USER SUPPLIED

NET POWER HEAD -69. ( 69.) AVERAGE ANNUAL INFLOW -755. ( 700.) POWER STORAGE-TO-MEAN ANNUAL FLOW .73

ARRAY OF STORED RESULTS USED TO SELECT CAPACITY  
 OBJECTIVE = MAXIMIZE = (13\*1.0),(16\*1.0)

ARRAY	1	5	10	20	40	60	80	90	95	99
HEAD (FT)	68.99	68.99	68.99	68.99	68.99	68.99	68.99	68.99	68.99	68.99
DESIGN(CFS)	6438.80	2761.75	1766.72	973.09	377.14	153.24	60.72	26.27	26.27	26.27
4 DEP CAP	241.81	241.81	241.81	241.81	241.81	241.81	241.81	192.97	142.16	98.27
1 INS CAP	32379.23	13688.18	8894.41	4893.45	1896.57	770.59	305.34	192.97	142.16	98.27
2 AAE	28753.46	25574.58	22498.08	17495.94	10077.21	5309.42	2493.45	1651.53	1234.11	857.51
3 APP	.10	.21	.29	.41	.61	.79	.93	.98	.99	1.00
8 BENR=DC	21.08	15.64	41.43	46.51	115.68	174.85	181.98	189.17	184.85	185.11
10 BENR=E	45.00	40.05	36.72	33.53	8.82	4.60	4.80	4.80	4.80	4.80
11 BENR=C	343790.82	110493.58	189040.54	124557.48	123661.54	86511.03	49784.91	35540.40	26278.94	10191.28
12 BENR=E	1293905.55	1126565.54	826037.18	58681.98	88863.40	25848.21	1198.58	7927.32	5923.71	4116.05
13 BENR=T	1637696.47	1237059.10	1015077.72	711239.47	215224.94	113996.24	61793.48	43467.72	32202.65	22807.32
16 C8A-T	7814815.35	5764252.21	5363007.94	5135607.95	4891819.10	4786820.53	4741361.52	4725211.98	4715276.59	4708269.28
18 B/C R	.21	.19	.19	.14	.04	.02	.01	.01	.01	.00
15 C8A-E	271.79	225.39	236.38	293.53	485.43	901.57	1491.53	2461.12	3429.80	5049.30
OPT PAR 1	1637696.47	1237059.10	1015077.72	711239.47	215224.94	113996.24	61793.48	43467.72	32202.65	22807.32
OPT PAR 2	7814815.35	5764252.21	5363007.94	5135607.95	4891819.10	4786820.53	4741361.52	4725211.98	4715276.59	4708269.28

MESSAGE TYPE = INFORMATIVE

07.47.11 TERMINATE FLOW DURATION ANALYSIS-SITE=FL6SA80001

MACLENNY

- undeveloped project
- existing project without existing hydropower
- existing project with existing hydropower

Tables 5-8 and 5-9 illustrate the output for the existing storage project types. Other characteristics that would have a less significant affect on the analysis might include situations of diversion, run-of-river, retired powerplant, and/or breached dams. Project selection was typically based on maximizing net benefits (benefits minus costs). However, a previously discussed, the user could have directed that the selection be based on the variables on rows labeled "STORED" in Table 5-7, or mathematical combinations of these parameters.

The versatility of defining an objective function follows. In this example, the objective will be to select an installed capacity which minimizes the cost of producing energy output. In Table 5-7, this variable is displayed as row assignment 15. Note that this variable is not permanently preserved on the data base since the word 'STORED' does not appear in the table for this row. However, this variable can be regenerated for use in the objective function by using the stored row variables of 16 and 2 in a similar form as displayed for row assignment 15 under the heading of "mathematical expression". Since the selection routine is programmed to maximize the objective function, the negative of the mathematical expression is required, ie.  $(-16/Z)$ . Other schemes of defining the objective function can be developed similarly.

Various assumptions made in the absence of data entries by field personnel are made by the programmed default procedures. Many of these are printed out, as messages to the user, ahead of the results of economic analysis. Examples of this are shown in Figure 5-4. The following items are some of the more important default assumptions that are utilized in the analysis and printed on the output in case the field engineer has no better knowledge of the required parameters:

- representative stream gage
- monthly evaporation rates
- optimization function
- waterway design flow (diversion projects only)

**Table 5-8**  
**ANALYSIS OF AN EXISTING STORAGE PROJECT**  
**WITHOUT EXISTING HYDROPOWER**

PACOLET RIVER DAM		TOTAL COST
SCS SACOT 61		-----
COST ESTIMATE FORM		-----
(\$1,000,000)		-----
JULY 1976 PRICE LEVEL		-----
MAJOR COST ITEMS	FIRST COST	-----
(1) POWERPLANT (1 6.6 MW T. TURBINE UNIT(8))	2.02	-----
(2) EMBANKMENT (DAMS, DIKES)	0.	-----
(3) SPILLWAY	0.	-----
(4) INTAKE AND OUTLET	0.	-----
(5) WATERWAY (CANAL, CHANNEL, CONDUIT)	0.	-----
(6) RESERVOIR	0.	-----
INVESTMENT COST COMPUTATIONS		
(7) TOTAL FIRST COST	2.02	-----
SUBTOTAL A = SUMMATION OF (1) THRU (6)	2.02	-----
(8) (7)*GEOGRAPHIC FACTOR(.80)	1.62	-----
(9) LAND COSTS	0.	-----
(10) SUBTOTAL B=(8+9)*CONTINGENCY(1.25)	2.02	-----
(11) SPECIAL COST ITEMS	0.	-----
(12) TOTAL CONSTRUCTION COST	2.02	-----
SUBTOTAL C = (10+11)	2.02	-----
(13) ENGINEERING AND OVERHEAD COSTS	.35	-----
(12)*ENGR(.175)	.35	-----
(14) TOTAL PROJECT COST	2.30	-----
SUBTOTAL D = (12+13)	2.30	-----
(15) INTEREST DURING CONSTRUCTION	.16	-----
(14)*IDC(.0688)	.16	-----
(16) TOTAL INVESTMENT COST	2.54	-----
(14+15)	2.54	-----
ANNUAL COST COMPUTATIONS		
(17) AMORTIZED COST	.18	-----
(16)*AMORTIZATION FACTOR(.06884)	.18	-----
(18) OPERATION(L) AND MAINTENANCE COSTS	.14	-----
(19) REPLACEMENT COSTS	.03	-----
(17)+0.0125*GEOGRAPHIC FACTOR(.80)*CONTINGENCY(1.25)	.03	-----
(20) TOTAL ANNUAL COST	.34	-----
(17)+(18)+(19)	.34	-----

# Table 5-8 (Continued)

## ANALYSIS OF AN EXISTING STORAGE PROJECT WITHOUT EXISTING HYDROPOWER

FORM 2 SITE - SCCSAC0761 POWER POTENTIAL RESULTS USING FLOW-DURATION TECHNIQUE DATE 1 11 FEB 81

ROW	MATHEMATICAL EXPRESSION	ITEM DESCRIPTION	TOTAL POTENTIAL CAPACITY	EXISTING CAPACITY	NEW POTENTIAL CAPACITY
1	STORED	INSTALLED CAPACITY (KW)	6619.27	0.	6619.27
2	STORED	AVERAGE ANNUAL ENERGY (MWH)	15983.58	0.	15983.58
3	STORED	AVERAGE ANNUAL PLANT FACTOR	.28	0.	.28
4	STORED	DEPENDABLE CAPACITY (KW)	833.26	0.	833.26
5	STORED	ANNUAL FIRM ENERGY (MWH)	7893.56	0.	7893.56
6	STORED	INTERRUPTIBLE CAPACITY (KW)	5786.01	0.	5786.01
7	STORED	ANNUAL SECONDARY ENERGY (MWH)	8070.02	0.	8070.02
8	STORED	DEPENDABLE CAPACITY BENEFIT (\$/KWH-YR)	37.20	0.	37.20
9	STORED	INTERRUPTIBLE CAPACITY BENEFIT (\$/KWH-YR)	19.60	0.	19.60
10	STORED	AVE. ANNUAL ENERGY BENEFIT (\$/KWH-YR)	38.07	0.	38.07
11	STORED	ANNUAL CAPACITY BENEFIT (\$/YR)	136601.95	0.	136601.95
12	STORED	ANNUAL ENERGY BENEFIT (\$/YR)	607743.07	0.	607743.07
13	STORED	TOTAL ANNUAL BENEFIT (\$/YR)	746345.03	0.	746345.03
14	STORED	INSTALLED CAPACITY COST (\$/KWH-YR)	50.96	0.	50.96
15	STORED	AVE. ANNUAL ENERGY COST (\$/MWH-YR)	21.13	0.	21.13
16	STORED	TOTAL ANNUAL COST (\$/YR)	337315.77	0.	337315.77
17	STORED	TOTAL ANNUAL NET BENEFIT (\$/YR)	409029.25	0.	409029.25
18	STORED	BENEFIT-TO-COST RATIO	2.21	0.	2.21

US88 GAGE NUMBER 215500 USER SUPPLIED

NET POWER HEAD =60. ( 60.) AVERAGE ANNUAL INFLOW =461. ( 453.) POWER STORAGE=TO-MEAN ANNUAL FLOW .07

ARRAY OF STORED RESULTS USED TO SELECT CAPACITY  
OBJECTIVE = MAXIMIZE - (13\*1.0),(16\*1.0)

ARRAY	1	5	10	20	40	60	80	90	95	99
HEAD (FT)	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
DEB(CFS)	2674.93	1032.45	762.01	552.97	391.83	294.48	214.64	169.93	137.76	84.61
DEP CAP	11697.03	4514.73	3332.13	2416.04	1711.75	1287.04	925.48	738.71	602.39	369.98
ING CAP	16339.69	15196.19	14497.27	13377.68	11654.72	9846.04	7668.99	6295.35	5198.73	3222.56
AE	.16	.38	.58	.78	.95	1.12	1.28	1.43	1.58	1.72
APP	25.74	32.56	117.12	139.85	183.09	186.16	191.90	193.24	193.46	194.32
BEAR-DC	48.30	35.70	11.83	9.04	4.80	4.80	4.80	4.80	4.80	4.80
BEAR-E	161291.46	87066.82	243930.51	227349.53	232988.15	199541.72	168749.23	142749.58	116776.28	71892.74
BENA-C	740188.06	542503.95	171438.96	120378.94	55842.64	47261.00	36811.15	30217.70	24951.86	15868.31
BENA-E	901439.51	629570.77	415369.48	348328.68	288930.79	246805.72	205560.39	172967.28	141728.24	87461.03
BENA-T	534620.63	273220.16	226796.86	190320.55	159069.61	138835.54	120044.56	104076.72	100615.86	61776.23
CSTA-R	1.69	2.30	1.83	1.43	1.88	1.74	1.71	1.59	1.41	1.07
CSTA/E	32.72	17.98	16.20	14.20	13.63	14.10	15.63	17.33	19.46	25.38
OPT PAR 1	901439.51	629570.77	415369.48	348328.68	288930.79	246805.72	205560.39	172967.28	141728.24	87461.03
OPT PAR 2	534620.63	273220.16	226796.86	190320.55	159069.61	138835.58	120044.56	104076.72	100615.86	61776.23

09.11.35 --TERMINATE FLOW DURATION ANALYSIS--SITE=SCCSAC0761

PACKOLET RIVER D

MESSAGE TYPE =



**Table 5-9**  
**ANALYSIS OF AN EXISTING STORAGE PROJECT**  
**WITH EXISTING HYDROPOWER**

MAJOR COST ITEMS	FIRST COST	TOTAL COST
(1) POWERPLANT (4 6.5 MW T. TURBINE UNIT(S))	10.89	
(2) EMBANKMENT (DAMS, DIKES)	0.	
(3) SPILLWAY	0.	
(4) INTAKE AND OUTLET	5.54	
(5) WATERWAY (CANAL, CHANNEL, CONDUIT)	0.	
(6) RESERVOIR	0.	
INVESTMENT COST COMPUTATIONS		
(7) TOTAL FIRST COST	16.43	
SUBTOTAL A = SUMATION OF (1) THRU (6)	16.43	
(8) (7)*GEOGRAPHIC FACTOR (.90)	14.79	
(9) LAND COSTS	0.	
(10) SUBTOTAL B=(A*9)*CONTINGENCY(1.25)	18.48	
(11) SPECIAL COST ITEMS	0.	
(12) TOTAL CONSTRUCTION COST	18.48	
SUBTOTAL C =(10+11)	18.48	
(13) ENGINEERING AND OVERHEAD COSTS	3.23	
(12)*XENGR(.175)	3.23	
(14) TOTAL PROJECT COST	21.72	
SUBTOTAL D =(12+13)	21.72	
(15) INTEREST DURING CONSTRUCTION	1.49	
(14)*IDC (.0688)	1.49	
(16) TOTAL INVESTMENT COST	23.21	
(14+15)	23.21	
ANNUAL COST COMPUTATIONS		
(17) AMORTIZED COST	1.60	
(16)*AMORTIZATION FACTOR (.06884)	1.60	
(18) OPERATION(L) AND MAINTAINANCE COSTS	.21	
(19) REPLACEMENT COSTS	.15	
(11)*0.0125*GEOGRAPHIC FACTOR (.90)*CONTINGENCY(1.25)	.15	
(20) TOTAL ANNUAL COST	1.96	
(17)+(18)+(19)	1.96	

CASTLE ROCK PWP724  
 HIINCS0194  
 COST ESTIMATE FORM  
 (\$1,000,000)  
 JULY 1978 PRICE LEVEL

NOTE -- THE AVERAGE ANNUAL ENERGY COMPUTED FOR THE EXISTING CAPACITY OF 15000. (KW) WAS 97117. (MWH) AS COMPARED TO THE INPUT VALUE OF 75000. RATIO = 1.29 IF THE RATIO IS LESS THAN (.8) OR GREATER THAN (1.2), THE USER SHOULD JUSTIFY THE DIFFERENCE. THE AVERAGE ANNUAL ENERGY ADJUSTMENT IS 1.00

**Table 5-9 (Continued)**  
**ANALYSIS OF AN EXISTING STORAGE PROJECT**  
**WITH EXISTING HYDROPOWER**

FORM 2 STP - WINCS0194 POWER POTENTIAL RESULTS USING FLOW-DURATION TECHNIQUE DATE: 03 FEB 81

ROW ASSIGNMENT	MATHEMATICAL EXPRESSION	ITEM DESCRIPTION	TOTAL POTENTIAL CAPACITY	EXISTING CAPACITY	NEW POTENTIAL CAPACITY
1	STORED * 1M1	*INSTALLED CAPACITY (KW)	40898.59	15000.00	25898.59
2	STORED * 2M2	*AVERAGE ANNUAL ENERGY (MWH)	123802.52	97116.92	26685.60
3	STORED * 3M3/(8.76*1)	*AVERAGE ANNUAL PLANT FACTOR	.35	.74	.12
4	STORED * 4M4/(PCT. FLOW)*DEPENDABLE CAPACITY (KW)	*ANNUAL FIRM ENERGY (MWH)	6871.20	6871.20	0.
5	5M5	*ANNUAL FIRM ENERGY (MWH)	65763.13	65763.13	0.
6	6M1=4	*INTERRUPTIBLE CAPACITY (KW)	34027.38	8128.00	25898.59
7	7M2=5	*ANNUAL SECONDARY ENERGY (MWH)	58039.39	31353.79	26685.60
8	STORED * 8M8	*DEPENDABLE CAPACITY BENEFIT (\$/KWH-YR)	67.10	134.90	9.84
9	9M0.50*8	*INTERRUPTIBLE CAPACITY BENEFIT (\$/KWH-YR)	33.55	67.45	4.92
10	STORED * 10M10	*AVE. ANNUAL ENERGY BENEFIT (\$/MWH-YR)	24.53	11.92	70.44
11	STORED * 11M11/(4*6)*(6*9)	*ANNUAL CAPACITY BENEFIT (\$/YR)	1602676.37	1475212.55	127463.83
12	STORED * 12M12	*ANNUAL ENERGY BENEFIT (\$/YR)	3037427.55	1157809.72	1879617.83
13	STORED * 13M13/12	*TOTAL ANNUAL BENEFIT (\$/YR)	4640103.92	2633022.26	2007081.66
14	14M16/1	*INSTALLED CAPACITY COST (\$/KWH-YR)	70.78	59.68	75.42
15	15M16/2	*AVE. ANNUAL ENERGY COST (\$/MWH-YR)	23.38	9.22	73.58
16	STORED * 16M16	*TOTAL ANNUAL COST (\$/YR)	289486.45	89209.77	196352.43
17	17M15-16	*TOTAL ANNUAL NET BENEFIT (\$/YR)	1745217.47	1737612.49	43539.23
18	STORED * 18M13/16	*BENEFIT/TO-COST RATIO	1.60	2.94	1.02

USGS GAGE NUMBER 5404000 USER SUPPLIED

NET POWER HEAD -36. ( 28.) AVERAGE ANNUAL INFLOW -5758. ( -5758.) POWER STORAGE=TO-MEAN ANNUAL FLOW -.03

ARRAY OF STORED RESULTS USED TO SELECT CAPACITY  
 OBJECTIVE = MAXIMIZE - (13\*1.0),(16\*1.0)

ARRAY	1	5	10	20	40	60	80	90	95	99
HEAD (FT)	36.27	36.27	36.27	36.27	36.27	36.27	36.27	36.27	36.27	36.27
DESIG(CF8)	27311.69	14780.12	10302.14	7152.52	4913.18	3758.03	2832.11	2343.55	2052.35	1556.31
4 DEP CAP	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1 INS CAP	57193.97	24068.83	12232.00	3906.52	0.	0.	0.	0.	0.	0.
2 AAE	32225.00	26018.01	18771.29	8433.89	0.	0.	0.	0.	0.	0.
3 APF	.06	.12	.16	.25	0.	0.	0.	0.	0.	0.
8 BEND-DC	-3.57	5.49	108.05	134.80	0.	0.	0.	0.	0.	0.
10 BEND-E	128.10	70.33	27.25	16.04	0.	0.	0.	0.	0.	0.
11 BENA-C	-102165.11	66075.38	660856.99	263494.72	0.	0.	0.	0.	0.	0.
12 BENA-E	4128119.67	1829946.34	511610.40	135270.97	0.	0.	0.	0.	0.	0.
13 BENA-T	4025958.57	1896021.72	1172467.39	398785.69	0.	0.	0.	0.	0.	0.
16 C8TA-Y	3883793.02	1339472.50	741606.99	322475.56	0.	0.	0.	0.	0.	0.
18 B/C R	1.04	1.42	1.58	1.24	0.	0.	0.	0.	0.	0.
15 C8TA/E	120.52	51.48	39.51	34.24	0.	0.	0.	0.	0.	0.
10PT PAR 1	4025954.57	1896021.72	1172467.39	398785.69	0.	0.	0.	0.	0.	0.
10PT PAR 2	3883793.02	1339472.50	741606.99	322475.56	0.	0.	0.	0.	0.	0.

MESSAGE TYPE - INFORMATIVE 17.27.35 --TERMINATE FLOW DURATION ANALYSIS-SITE-WINCS0194 CASTLE ROCK 2MP

**Figure 5-4**  
**EXAMPLE OF ANALYSIS MESSAGES**

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-----
MESSAGE TYPE =    INFORMATIVE      07.46.04 --INITIATE FLOW DURATION ANALYSIS-SITE- FL68A80001
MESSAGE TYPE =    INFORMATIVE      REGIONALIZED EVAPORATION RATES SELECTED          MACCLENNY
MESSAGE TYPE =    INFORMATIVE      EVAPORATION LOSSES =      -2 CFS
MESSAGE TYPE =    INFORMATIVE      UPSTREAM DIVERSIONS EXCEEDS LIMITS
VALUE IS *****
PROPER RANGE IS FROM      =100000000.00000 TO      100000000.00000

MESSAGE TYPE =    INFORMATIVE      UPSTREAM DIVERSION =      0 CFS
MESSAGE TYPE =    INFORMATIVE      NORMAL NET POWER HEAD SELECTED (CONSTANT HEAD)
MESSAGE TYPE =    INFORMATIVE      SITE HAS FLOOD CONTROL POOL = MAXIMUM HEAD ASSUMED
MESSAGE TYPE =    INFORMATIVE      EXTRAPOLATION OF COST DATA IS REQUIRED
MESSAGE TYPE =    INFORMATIVE      EXTRAPOLATION OF COST DATA IS REQUIRED
MESSAGE TYPE =    INFORMATIVE      EXTRAPOLATION OF COST DATA IS REQUIRED
MESSAGE TYPE =    INFORMATIVE      EXTRAPOLATION OF COST DATA IS REQUIRED
MESSAGE TYPE =    INFORMATIVE      EXTRAPOLATION OF COST DATA IS REQUIRED
MESSAGE TYPE =    INFORMATIVE      EXTRAPOLATION OF COST DATA IS REQUIRED

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MESSAGE TYPE =    INFORMATIVE      09.11.09 --INITIATE FLOW DURATION ANALYSIS-SITE- 8CC8AC0761
MESSAGE TYPE =    INFORMATIVE      EVAPORATION LOSSES =      4 CFS
MESSAGE TYPE =    INFORMATIVE      UPSTREAM DIVERSION =      0 CFS
MESSAGE TYPE =    INFORMATIVE      NORMAL NET POWER HEAD SELECTED (CONSTANT HEAD)
MESSAGE TYPE =    INFORMATIVE      POWER STORAGE SIGNIFICANT = ASSUME NO SPILLAGE
MESSAGE TYPE =    INFORMATIVE      EXTRAPOLATION OF COST DATA IS REQUIRED
MESSAGE TYPE =    INFORMATIVE      EXTRAPOLATION OF COST DATA IS REQUIRED
MESSAGE TYPE =    INFORMATIVE      EXTRAPOLATION OF COST DATA IS REQUIRED
MESSAGE TYPE =    INFORMATIVE      EXTRAPOLATION OF COST DATA IS REQUIRED

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MESSAGE TYPE =    INFORMATIVE      17.22.11 --INITIATE FLOW DURATION ANALYSIS-SITE- WIINC80194
MESSAGE TYPE =    INFORMATIVE      REGIONALIZED EVAPORATION RATES SELECTED          CASTLE ROCK 2WP
MESSAGE TYPE =    INFORMATIVE      EVAPORATION LOSSES =      -1 CFS
MESSAGE TYPE =    INFORMATIVE      UPSTREAM DIVERSION =      0 CFS
MESSAGE TYPE =    INFORMATIVE      TAILWATER RATING SELECTED (VARIABLE HEAD)
MESSAGE TYPE =    INFORMATIVE      TAILWATER RATING DEFINED FROM 2 TO 254 (1000 CFS)

```

POWER HEAD CURVE

POWER HEAD	35.5	30.5	12.3	12.3
DISCHARGE	2000.0	15000.0	151000.0	254000.1

```

MESSAGE TYPE =    INFORMATIVE      SITE HAS FLOOD CONTROL POOL = MAXIMUM HEAD ASSUMED

```

## 5.8 PROBLEMS ENCOUNTERED AND RESOLUTIONS

Some of the same problems encountered during the Form 1 collection and analysis activities continued to plague the study during Form 2 data collection and analysis stages. Many of these were solved by programming default parameter values and by more extensive error messages. Curve fitting routines had to be modified several times to overcome bad extrapolations on storage, area, and tailwater ratings. Several program changes were required to cover the various ways that latitude and longitude were being entered. On-line program documentation and update messages to the user were used to try to keep the field engineers aware of program modifications that impacted on required input or results. Several upgrading cycles of edit and display capabilities were accomplished as the need became apparent and training sessions were conducted on proper use of the programs.

A major problem encountered during the Form 2 analysis was the determination of dependable capacity at storage projects. This problem was not resolved in the flow duration procedures prior to the final Form 2 analyses. Storage can have a major impact on the magnitude of dependable capacity. A sequential analysis was available to determine dependable capacity at storage sites. However, many users selected the flow duration analysis that had no correction for storage and, thus, underestimated the dependable capacity. Since the final analyses were made the flow duration analysis (HYDUR program) has been amended to include subroutines to reflect storage effects, in addition to other improvements and can be obtained from HEC.

## **Chapter 6**

# **REGIONAL RANKING**

Stage 4 study objectives were to evaluate the relative merits of added hydropower at each site by economic, environmental, social and institutional criteria. Those sites that passed an economic screening were then ranked on their merits and impacts relative to environmental, social and institutional aspects. Detailed criteria used by study managers responsible for each of the regional reports are contained in Volumes XIV through XXIII. The regional boundaries coincide with the National Electrical Reliability Council regions shown on Figure 6-1, plus a report covering Alaska and Hawaii.

### 6.1 RANKING CONCEPTS

The ranking categories were grouped into (a) economic (b) non-economic and (c) composite. Each of these were subdivided into sites that could likely be developed by the year 1990 "near-term development" (ranking numbers 1000-1999) and those that were judged more likely for development beyond 1990 "far-term" (ranking numbers 2000-2999). The economic ranking considered cost of energy development \$/MWH or mills/kWh and ability of the project to meet forecast regional load characteristics. Since adding power facilities to existing dams can usually be accomplished at less cost and in a shorter time frame than at undeveloped sites it is only natural that the "near-term" ranking would include mostly, if not exclusively, existing projects. Similarly the non-economic ranking considerations typically could expect a more adverse impact environmentally and socially at undeveloped sites. Here again, the "near-term" (1000-1999 code) group contained mostly existing projects.



The composite ranking followed the same "near-term" and "far-term" concepts but was a subjective, weighting, composite of the other two rankings.

## 6.2 VARIATIONS

Considerable variation in procedures and subjectivity went into the ranking numbers assigned to each project. The consensus ranking order of potential candidate sites was reached by the study teams, some of which included representatives from other federal and state agencies. The B/C ratio was sometimes given consideration along with the unit cost of energy. Some regional study teams grouped all sites into either a "near-term" or "far-term" without trying to identify any probable order of study. Site specific benefit values and cost data are needed to obtain a very reliable degree of confidence in ranking order. The WSCC region ranking team concluded not to rank any of the sites, but rather to give more detail on known or unknown social and environmental constraints, and grouping existing projects into "near-term" development potential and undeveloped sites into potential development beyond 1990. Consequently, Appendix C of this volume will show no entries in the ranking column in most of the western states. Volume XXIII, Western Systems Coordinating Council Regional Report, presents site specific information on the environmental and social impacts of project development for the western region states.





## Chapter 7 SUMMARY

The data management systems, analysis techniques, data collection, screening and ranking process have been discussed in this volume in order to provide the reader with a better perspective of the degree of reliability which can be placed on the sites contained in the "active" data base. Of the 70,000 or so sites that were considered at some level of detail during the various study stages, about 5,400 remain in residence on the active tapes. Many of these have existing hydropower presently in operation with no apparent economically feasible increment that can be added. Also in the active files, there are some undeveloped sites which are alternatives to other undeveloped sites; the development of the better alternative would preclude the development of the other.

The State by State listing of the sites that field study managers have decided to leave on the active file are displayed in Appendix C. The Regional Reports (Volumes XIV through XXIII) contain listings of those sites with an activity code of 2 (Item 3 of Form 2) or have been assigned a ranking number, both implying it is recommended for active continued study in site specific detail. Those with an activity code other than 2 have failed to pass some test along the way and could have been moved to the inactive files of the study. There are 1993 ranked, or activity code 2, sites in the active data base of the 11 Divisional Files. Tables 7-1 and 7-2 summarize the sites with incremental potential, aggregated by head and size range. Table 7-1 (1353 sites) covers the small hydro range of .05 to 15 MW while Table 7-2 covers the total range of sizes. The aggregate added increment of capacity and energy represented by development of all active or ranked sites is estimated at



**Table 7-2**  
**NATIONAL SUMMARY OF ACTIVE OR RANKED SITES**  
**(DISTRIBUTED BY HEAD AND CAPACITY RANGES)**

POTENTIAL INCREMENTAL CAPACITY RANGES																	
		.05 MW - 15 MW				15 MW - 25 MW				GREATER THAN 25 MW				TOTAL			
NUMBER	CAPACITY	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	
		INST	INCR	POTEN	INST	INCR	POTEN	INST	INCR	POTEN	INST	INCR	POTEN	INST	INCR	POTEN	
		1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
0-19	128	265	30	38	12	50	19	5	19	6	25	136	322	48	370		
	315	844	128	691	246	937	378	1224	1224	1226	2450	747	2759	1600	4359		
	1697	3969	573	3308	925	4233	901	4976	3386	3386	8362	2883	12253	4884	16285		
20-49	256	402	52	43	19	62	32	26	23	23	49	305	471	94	565		
	1055	1222	263	802	358	1160	3310	1927	1164	3091	4677	4677	3952	1764	5736		
	5398	4235	818	1452	1359	3500	15835	4697	3431	8328	22685	11273	5606	16881			
50-99	116	224	54	27	24	51	87	26	28	28	54	225	277	106	383		
	579	828	194	510	466	976	18507	3962	3908	7870	19444	5299	4568	9868			
	3114	2803	639	1444	1315	2760	131686	5047	14784	19831	136601	9294	16738	26032			
>100	150	202	124	46	50	96	171	87	166	166	253	360	335	340	675		
	676	768	856	756	880	1882	38537	15330	21891	37221	39969	16978	23750	40728			
	3465	2675	4085	2972	2191	6403	147128	9033	47286	56319	153566	13900	55584	69484			
TOTAL	652	1093	260	154	105	259	295	158	223	223	381	1026	1405	588	1993		
	3662	1441	5103	2882	2072	4954	60733	22444	28189	50632	64838	28988	31702	60690			
	13674	13682	6115	19797	6509	16898	295551	23952	68888	92840	315734	46722	82814	129336			

L E G E N D

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPACITY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

60,700 MW and 130,000 GWh. About 48 percent of this capacity increase and 36 percent of the added energy is at existing projects. Based on the results shown in Table 7-2, an increase in the existing hydropower energy of about 15 percent can be obtained by adding or increasing hydropower capability at existing reservoirs. An additional 26 percent increase in energy can be obtained from undeveloped sites making a total of 41 percent increase in energy. Thus those projects which appear to be attractive considering economic, environmental and institutional factors represent only about 10-15 percent of the physically possible additional capacity and energy reported in the preliminary report of July 1979 (see Table 4-3). Table 7-3 summarizes from the active Form 2 file, by state, the existing installed capacity and annual energy developed as well as the additional capacity and energy considered developable at those sites where the increment exceeds 50 KW. Table 7-3 also contains 521 existing hydropower sites that appear to have no potential for additional capacity which are not contained in Table 7-2.

The values presented in Tables 7-4 and 7-5 were developed during October and November of 1980 and are superceded by those values in Tables 7-1, 7-2, and 7-3 developed in February 1981. These two tables do provide information on characteristics that is useful. Table 7-4 presents an estimate of additional capacity and energy at existing and undeveloped projects aggregated by size and by Corps of Engineers Division Boundaries. Figure 7-1 is based on Table 7-4 and presents bar charts depicting the distribution of potentially developable capacity and energy between existing and undeveloped sites. Table 7-5 was prepared by INTASA, Incorporated and is a national summary indicating the type of project and size range versus ownership by the Corps of Engineers, other Federal, and non-Federal entities.

**Table 7-3**  
**NATIONAL SUMMARY OF ACTIVE OR RANKED SITES**  
**(BY STATE)**

STATE	CUMULATIVE TOTALS (MW AND GWH)	COLUMN 1 CAPABILITY OF EXISTING SITES (1)	COLUMN 2 UNDEVELOPED CAPABILITY AT EXISTING SITES (2)	COLUMN 3 POTENTIAL AT UNDEVELOPED SITES (3)	COLUMN 4 TOTAL NEW POTENTIAL CAPACITY (4)=(2)+(3)	COLUMN 5 TOTAL POTENTIAL CAPACITY (5)=(1)+(4)
ALABAMA	NUMBER CAPACITY SUM ENERGY SUM	22* 2841.6* 11068.2*	15* 341.5* 1039.9*	1* 24.0* 82.8*	16* 365.5* 1122.7*	34* 3207.0* 12190.9*
ALASKA	NUMBER CAPACITY SUM ENERGY SUM	19* 136.4* 997.7*	19* 68.6* 106.7*	50* 3466.6* 15206.7*	69* 3535.2* 15315.4*	74* 3671.6* 16313.2*
ARIZONA	NUMBER CAPACITY SUM ENERGY SUM	8* 217.3* 1250.5*	9* 87.3* 126.3*	6* 1518.2* 4464.0*	15* 1605.5* 4590.3*	23* 1822.8* 5840.8*
ARKANSAS	NUMBER CAPACITY SUM ENERGY SUM	8* 928.0* 2581.0*	18* 516.8* 1508.1*	9* 460.0* 1465.3*	27* 976.8* 2973.4*	33* 1904.8* 5554.3*
CALIFORNIA	NUMBER CAPACITY SUM ENERGY SUM	61* 5108.7* 17001.8*	67* 3854.3* 3500.7*	25* 2429.4* 4961.5*	110* 6263.7* 8262.2*	152* 11392.4* 25264.0*

(PAGE 1)

**Table 7-3 (Continued)**  
**NATIONAL SUMMARY OF ACTIVE OR RANKED SITES**  
**( BY STATE )**

STATE	CUMULATIVE TOTALS (MW AND GWH)	COLUMN 1 * CAPABILITY OF * * EXISTING SITES * * (1)	COLUMN 2 * UNDEVELOPED * * CAPABILITY AT * * EXISTING SITES * * (2)	COLUMN 3 * POTENTIAL AT * * UNDEVELOPED * * SITES * * (3)	COLUMN 4 * TOTAL NEW * * POTENTIAL * * CAPACITY * * (4)=(2)+(3)	COLUMN 5 * TOTAL * * POTENTIAL * * CAPACITY * * (5)=(1)+(4)	(PAGE 2)
* COLORADO	NUMBER CAPACITY SUM ENERGY SUM	16* 224.0* 957.4*	38* 355.6* 757.7*	33* 897.2* 3288.5*	71* 1252.7* 4046.2*	84* 1476.7* 5003.6*	
* CONNECTICUT	NUMBER CAPACITY SUM ENERGY SUM	13* 125.4* 364.1*	43* 59.6* 280.9*	0* 0* 0*	43* 59.6* 280.9*	49* 185.0* 645.0*	
* FLORIDA	NUMBER CAPACITY SUM ENERGY SUM	3* 41.7* 272.1*	2* 21.8* 105.2*	1* 9.0* 22.9*	3* 30.8* 126.1*	5* 72.5* 400.2*	
* GEORGIA	NUMBER CAPACITY SUM ENERGY SUM	32* 2261.7* 5164.1*	11* 253.4* 361.5*	18* 389.4* 1225.6*	29* 642.8* 1587.1*	55* 2904.5* 6751.2*	
* HAWAII	NUMBER CAPACITY SUM ENERGY SUM	13* 17.4* 105.2*	4* 1.4* 14.0*	5* 6.4* 27.3*	9* 7.8* 41.3*	21* 25.2* 146.5*	

Table 7-3 (Continued)  
 NATIONAL SUMMARY OF ACTIVE OR RANKED SITES  
 (BY STATE)

STATE	CUMULATIVE TOTALS (MW AND GWH)	COLUMN 1 CAPABILITY OF EXISTING SITES	COLUMN 2 UNDEVELOPED CAPABILITY AT EXISTING SITES	COLUMN 3 POTENTIAL AT UNDEVELOPED SITES	COLUMN 4 TOTAL NEW POTENTIAL CAPACITY	COLUMN 5 TOTAL POTENTIAL CAPACITY
		(1)	(2)	(3)	(4) = (2) + (3)	(5) = (1) + (4)
IDAHO	NUMBER 34 CAPACITY SUM 2662.4 ENERGY SUM 12200.8	47 1532.2 2358.7	75 6767.9 14068.0	122 8300.2 16426.7	141 10962.5 28627.5	
ILLINOIS	NUMBER 6 CAPACITY SUM 27.2 ENERGY SUM 139.5	14 249.6 1109.4	0 0 0	14 249.6 1109.4	17 276.7 1248.9	
INDIANA	NUMBER 1 CAPACITY SUM 3.4 ENERGY SUM 25.0	13 72.0 167.8	0 0 0	13 72.0 167.8	13 75.4 192.7	
IOWA	NUMBER 4 CAPACITY SUM 135.0 ENERGY SUM 841.0	12 461.3 1323.7	0 0 0	12 461.3 1323.7	15 596.3 2164.7	
KANSAS	NUMBER 1 CAPACITY SUM 1.9 ENERGY SUM 10.0	4 41.0 98.7	0 0 0	4 41.0 98.7	5 42.9 108.7	

(PAGE 3)

**Table 7-3 (Continued)**  
**NATIONAL SUMMARY OF ACTIVE OR RANKED SITES**  
**(BY STATE)**

STATE	CUMULATIVE TOTALS (MW AND GWH)	COLUMN 1 *CAPABILITY OF *EXISTING SITES (1)	COLUMN 2 *UNDEVELOPED *CAPABILITY AT *EXISTING SITES (2)	COLUMN 3 *POTENTIAL AT *UNDEVELOPED *SITES (3)	COLUMN 4 *TOTAL NEW *POTENTIAL *CAPACITY (4)=*(2)+(3)	COLUMN 5 *TOTAL *POTENTIAL *CAPACITY (5)=*(1)+(4)
KENTUCKY	NUMBER CAPACITY SUM ENERGY SUM	6* 797.3* 3147.0*	38* 973.4* 3316.1*	7* 325.0* 714.0*	45* 1298.4* 4030.1*	51* 2095.7* 7177.2*
LOUISIANA	NUMBER CAPACITY SUM ENERGY SUM	1* 81.0* 215.0*	9* 141.6* 628.5*	2* 94.8* 678.0*	11* 236.4* 1306.5*	11* 317.4* 1521.5*
MAINE	NUMBER CAPACITY SUM ENERGY SUM	69* 539.5* 2741.8*	109* 416.8* 1412.5*	48* 1642.6* 3688.3*	157* 2059.4* 5100.8*	181* 2598.9* 7842.7*
MARYLAND	NUMBER CAPACITY SUM ENERGY SUM	5* 496.6* 1764.7*	7* 23.6* 99.5*	0* 0* 0*	7* 23.6* 99.5*	9* 520.2* 1864.2*
MASSACHUSETTS	NUMBER CAPACITY SUM ENERGY SUM	28* 1753.6* 2181.4*	48* 111.7* 574.3*	0* 0* 0*	48* 111.7* 574.3*	61* 1865.4* 2755.7*

(PAGE 4)\*



Table 7-3 (Continued)  
 NATIONAL SUMMARY OF ACTIVE OR RANKED SITES  
 (BY STATE)

STATE	CUMULATIVE TOTALS (HW AND GWH)	COLUMN 1 CAPABILITY OF EXISTING SITES (1)	COLUMN 2 UNDEVELOPED AT CAPABILITY AT EXISTING SITES (2)	COLUMN 3 POTENTIAL AT UNDEVELOPED SITES (3)	COLUMN 4 TOTAL NEW POTENTIAL CAPACITY (4) = (2) + (3)	COLUMN 5 TOTAL POTENTIAL CAPACITY (5) = (1) + (4)
* MICHIGAN	NUMBER 45 CAPACITY SUM 2266.0 ENERGY SUM 4499.0	18 396.4 1513.1	1 6.9 10.4	19 403.4 1523.4	50 2669.4 6022.4	
* MINNESOTA	NUMBER 22 CAPACITY SUM 168.9 ENERGY SUM 885.9	18 329.2 1258.9	1 6.9 12.9	19 336.1 1271.7	31 505.0 2157.6	
* MISSISSIPPI	NUMBER 0 CAPACITY SUM 0 ENERGY SUM 0	4 69.5 197.9	1 12.0 39.3	5 81.4 237.2	5 81.4 237.2	
* MISSOURI	NUMBER 7 CAPACITY SUM 896.2 ENERGY SUM 1376.4	11 267.0 871.3	1 62.9 88.6	12 349.9 959.9	17 1246.1 2336.3	
* MONTANA	NUMBER 22 CAPACITY SUM 2059.0 ENERGY SUM 10031.9	27 904.8 1339.5	10 1057.1 3729.7	37 1961.9 5069.2	45 4021.0 15101.1	

(PAGE 5)

Table 7-3 (Continued)  
 NATIONAL SUMMARY OF ACTIVE OR RANKED SITES  
 (BY STATE)

STATE	CUMULATIVE TOTALS (MW AND GWH)	COLUMN 1 CAPABILITY OF EXISTING SITES	COLUMN 2 UNDEVELOPED CAPABILITY AT EXISTING SITES (2)	COLUMN 3 POTENTIAL AT UNDEVELOPED SITES (3)	COLUMN 4 TOTAL NEW POTENTIAL CAPACITY (4)=(2)+(3)	COLUMN 5 TOTAL POTENTIAL CAPACITY (5)=(1)+(4)
NEBRASKA	NUMBER CAPACITY SUM ENERGY SUM	8 162.0 589.6	3 25.7 93.6	0 0 0	3 25.7 93.6	11 207.7 683.2
NEVADA	NUMBER CAPACITY SUM ENERGY SUM	2 3.2 16.0	2 3.0 12.0	0 0 0	2 3.0 12.0	3 6.2 30.0
NEW HAMPSHIRE	NUMBER CAPACITY SUM ENERGY SUM	22 382.1 1076.8	101 318.2 635.4	2 20.3 30.7	103 338.5 666.1	110 720.6 1742.9
NEW JERSEY	NUMBER CAPACITY SUM ENERGY SUM	1 2.4 10.0	4 25.2 75.8	0 0 0	4 25.2 75.8	4 27.6 83.8
NEW MEXICO	NUMBER CAPACITY SUM ENERGY SUM	1 24.3 96.0	11 381.8 532.3	2 1.5 5.1	13 383.2 537.4	13 407.5 633.4

Table 7-3 (Continued)  
 NATIONAL SUMMARY OF ACTIVE OR RANKED SITES  
 (BY STATE)

STATE	CUMULATIVE TOTALS (MW AND GWH)	COLUMN 1 CAPABILITY OF EXISTING SITES	COLUMN 2 UNDEVELOPED CAPABILITY AT EXISTING SITES	COLUMN 3 POTENTIAL AT UNDEVELOPED SITES	COLUMN 4 TOTAL NEW POTENTIAL CAPACITY	COLUMN 5 TOTAL POTENTIAL CAPACITY
		(1)	(2)	(3)	(4)=(2)+(3)	(5)=(1)+(4)
NEW YORK	NUMBER CAPACITY SUM ENERGY SUM	128 3712.7 23723.1	154 1332.4 3193.6	13 631.4 4301.2	167 1963.8 7494.8	204 5676.5 31217.8
NORTH CAROLINA	NUMBER CAPACITY SUM ENERGY SUM	41 1918.7 6556.0	27 466.8 439.4	21 2298.8 3904.3	48 2765.6 4343.6	83 4684.3 10901.6
NORTH DAKOTA	NUMBER CAPACITY SUM ENERGY SUM	1 400.0 2270.0	2 275.7 15.6	0 0 0	2 275.7 15.6	2 675.7 2285.6
OHIO	NUMBER CAPACITY SUM ENERGY SUM	0 0 0	30 151.2 420.6	1 4.1 5.9	31 155.4 426.5	31 155.4 426.5
OKLAHOMA	NUMBER CAPACITY SUM ENERGY SUM	10 769.0 2349.8	13 313.4 409.9	2 52.6 94.3	15 366.0 504.2	21 1135.0 2854.0

(PAGE 7)

**Table 7-3 (Continued)**  
**NATIONAL SUMMARY OF ACTIVE OR RANKED SITES**  
**(BY STATE)**

STATE	CUMULATIVE TOTALS (MW AND GWH)	COLUMN 1 CAPABILITY OF EXISTING SITES	COLUMN 2 UNDEVELOPED CAPABILITY AT EXISTING SITES (2)	COLUMN 3 POTENTIAL AT UNDEVELOPED SITES (3)	COLUMN 4 TOTAL NEW POTENTIAL CAPACITY (4)=(2)+(3)	COLUMN 5 TOTAL POTENTIAL CAPACITY (5)=(1)+(4)
OREGON	NUMBER 48* CAPACITY SUM 6932.6* ENERGY SUM 37334.4*	43* 3032.2* 4094.4*	1883.3* 5510.6*	91* 4915.4* 9604.9*	126* 11848.1* 46939.3*	
PENNSYLVANIA	NUMBER 5* CAPACITY SUM 426.1* ENERGY SUM 1796.6*	72* 849.4* 2806.6*	3* 751.6* 1069.1*	76* 1601.0* 3875.7*	2027.1* 5672.3*	
PUERTO RICO	NUMBER 9* CAPACITY SUM 90.4* ENERGY SUM 126.4*	13* 34.9* 108.8*	4* 24.2* 70.8*	17* 59.1* 179.6*	26* 149.4* 306.0*	
RHODE ISLAND	NUMBER 1* CAPACITY SUM 1.5* ENERGY SUM 4.0*	19* 11.8* 64.2*	0* 0* 0*	19* 11.8* 64.2*	20* 13.3* 68.2*	
SOUTH CAROLINA	NUMBER 29* CAPACITY SUM 1606.6* ENERGY SUM 2604.2*	29* 309.2* 705.7*	17* 1285.5* 2083.1*	46* 1594.7* 2788.8*	56* 3201.3* 5393.0*	

(PAGE 8)\*

Table 7-3 (Continued)  
 NATIONAL SUMMARY OF ACTIVE OR RANKED SITES  
 (BY STATE)

STATE	CUMULATIVE TOTALS (MW AND GWH)	COLUMN 1 *CAPABILITY OF *EXISTING SITES (1)	COLUMN 2 *UNDEVELOPED *CAPABILITY AT *EXISTING SITES (2)	COLUMN 3 *POTENTIAL AT *UNDEVELOPED *SITES (3)	COLUMN 4 *TOTAL NEW *POTENTIAL *CAPACITY (4)=(2)+(3)	COLUMN 5 *TOTAL *POTENTIAL *CAPACITY (5)=(1)+(4)
SOUTH DAKOTA	NUMBER CAPACITY SUM ENERGY SUM	6* 1491.0* 6088.0*	0* 0. 0.	0* 0. 0.	0* 0. 0.	6* 1491.0* 6088.0*
TENNESSEE	NUMBER CAPACITY SUM ENERGY SUM	27* 2096.0* 11208.2*	4* 355.6* 79.1*	8* 506.5* 1583.9*	12* 862.1* 1663.0*	38* 2958.1* 12871.2*
TEXAS	NUMBER CAPACITY SUM ENERGY SUM	16* 321.2* 910.9*	26* 413.2* 521.8*	63* 1220.0* 3145.8*	89* 1633.2* 3667.6*	105* 1954.3* 4578.5*
UTAH	NUMBER CAPACITY SUM ENERGY SUM	25* 171.4* 840.4*	30* 473.4* 378.8*	9* 1051.1* 1399.8*	39* 1524.5* 1776.6*	53* 1695.9* 2617.0*
VERMONT	NUMBER CAPACITY SUM ENERGY SUM	44* 230.7* 844.6*	71* 146.5* 658.3*	41* 99.0* 282.4*	112* 245.5* 940.7*	121* 476.2* 1785.3*

(PAGE 9)

**Table 7-3 (Continued)**  
**NATIONAL SUMMARY OF ACTIVE OR RANKED SITES**  
**(BY STATE)**

(PAGE 10)

STATE	CUMULATIVE TOTALS (MW AND GWH)	COLUMN 1 CAPABILITY OF EXISTING SITES	COLUMN 2 UNDEVELOPED CAPABILITY AT EXISTING SITES (2)	COLUMN 3 POTENTIAL AT UNDEVELOPED SITES (3)	COLUMN 4 TOTAL NEW POTENTIAL CAPACITY (4)=(2)+(3)	COLUMN 5 TOTAL POTENTIAL CAPACITY (5)=(1)+(4)
VIRGINIA	NUMBER 21* CAPACITY SUM 616.9* ENERGY SUM 783.0*	28* 188.5* 480.8*	18* 589.6* 1474.0*	46* 778.1* 1954.9*	54* 1395.0* 2737.9*	
WASHINGTON	NUMBER 55* CAPACITY SUM 18996.4* ENERGY SUM 133985.5*	53* 6883.9* 3306.3*	84* 4410.9* 17278.4*	137* 11294.8* 20584.6*	161* 30291.2* 154570.1*	
WEST VIRGINIA	NUMBER 6* CAPACITY SUM 153.9* ENERGY SUM 871.6*	22* 727.7* 2832.7*	4* 716.9* 941.5*	26* 1444.7* 3774.3*	27* 1598.5* 4645.9*	
WISCONSIN	NUMBER 70* CAPACITY SUM 428.3* ENERGY SUM 1823.2*	28* 378.3* 781.3*	1* 4.0* 12.4*	29* 382.4* 793.7*	72* 810.7* 2617.0*	
WYOMING	NUMBER 13* CAPACITY SUM 226.6* ENERGY SUM 998.4*	14* 389.4* 313.6*	5* 440.9* 1053.1*	19* 630.3* 1366.7*	25* 1056.9* 2365.1*	

**Table 7-3 (Continued)**  
**NATIONAL SUMMARY OF ACTIVE OR RANKED SITES**  
**(BY STATE)**

(PAGE 11)

STATE	CUMULATIVE TOTALS (MW AND GWH)	COLUMN 1 * CAPABILITY OF * * EXISTING SITES *	COLUMN 2 * UNDEVELOPED * * CAPABILITY AT * * EXISTING SITES *	COLUMN 3 * POTENTIAL AT * * UNDEVELOPED * * SITES *	COLUMN 4 * TOTAL NEW * * POTENTIAL * * CAPACITY * (4)=(2)+(3)	COLUMN 5 * TOTAL * * POTENTIAL * * CAPACITY * (5)=(1)+(4)
ALL STATES	NUMBR 1045 CAPACITY SUM 64974.1 ENERGY SUM 316732.2	1424 29057 46829.4	638 35168.6 98019.9	2062 64226.4 144849.3	2630 129200.5 461581.7	

**NOTES:**

1. See legend for Table 7-1.
2. Column 5 represents total capacity at existing hydropower plants plus all additional potential capacity. This column also includes 568 existing hydropower plants that have no potential for additional capacity.
3. This Table includes values for 69 sites that had no head value that were not included in Table 7-2. This accounts for the differences in the totals for columns 1 through 4.

**Table 7-4**

**ESTIMATE OF ADDITIONAL CAPACITY AND ENERGY  
AT EXISTING AND UNDEVELOPED PROJECTS  
(AGGREGATED BY CORPS OF ENGINEERS DIVISION BOUNDARIES)**

Capacity range	.05 - 5 MW		5 - 30 MW		Over 30 MW		Total	
	Exist. Proj.	Undev. Site	Exist. Proj.	Undev. Site	Exist. Proj.	Undev. Site	Exist. Proj.	Undev. Site
<u>Lower Mississippi Valley Division</u>								
Number	1	0	19	0	2	2	22	2
Capacity (MW)	4	0	299	0	154	149	457	149
A.A. Energy (GWH)	11	0	1099	0	698	1171	1808	1171
<u>Missouri River Division</u>								
Number	19	0	17	0	13	1	49	1
Capacity (MW)	53	0	213	0	1373	363	1639	363
A.A. Energy (GWH)	166	0	680	0	1033	664	1879	664
<u>North Atlantic Division</u>								
Number	80	0	59	8	11	8	150	16
Capacity (MW)	185	0	721	128	746	848	1652	976
A.A. Energy (GWH)	695	0	1942	356	1333	1541	3970	1897
<u>North Central Division</u>								
Number	91	0	72	9	7	2	170	11
Capacity (MW)	149	0	997	171	931	459	2077	630
A.A. Energy (GWH)	932	0	2900	525	3501	3794	7333	4319
<u>New England Division</u>								
Number	356	66	27	20	7	7	390	93
Capacity (MW)	348	70	294	266	389	1461	1031	1797
A.A. Energy (GWH)	1989	311	997	799	537	3055	3523	4165
<u>North Pacific Division</u>								
Number	54	39	56	131	29	123	139	293
Capacity (MW)	136	128	750	2149	5134	18746	6020	21023
A.A. Energy (GWH)	558	613	2485	10225	7055	54155	10098	64993
<u>Ohio River Division</u>								
Number	50	5	63	3	25	20	138	28
Capacity (MW)	126	13	757	43	1624	2465	2507	2521
A.A. Energy (GWH)	426	21	2567	111	6524	4435	9517	4567
<u>Pacific Ocean Division</u>								
Number	3	5	0	0	0	0	3	5
Capacity (MW)	1	7	0	0	0	0	1	7
A.A. Energy (GWH)	9	27	0	0	0	0	9	27
<u>South Atlantic Division</u>								
Number	51	11	44	36	8	15	103	62
Capacity (MW)	108	13	601	603	753	2709	1462	3325
A.A. Energy (GWH)	283	63	1197	1949	638	4135	2118	6147
<u>South Pacific Division</u>								
Number	95	0	32	32	19	37	146	69
Capacity (MW)	142	0	447	431	2593	6549	3182	6980
A.A. Energy (GWH)	614	0	1227	2270	3305	13557	5146	15827
<u>Southwestern Division</u>								
Number	37	21	33	39	5	18	75	78
Capacity (MW)	61	44	446	576	817	1224	1324	1844
A.A. Energy (GWH)	148	98	1542	1848	1091	3054	2781	5000
<u>Total</u>								
Number	837	147	422	278	126	233	1385	658
Capacity (MW)	1313	275	5525	4367	14514	34973	21352	39615
A.A. Energy (GWH)	5831	1133	16636	18083	25715	89561	48182	108777



Table 7-5

NATIONAL SUMMARY OF ACTIVE OR RANKED SITES-OCTOBER 1980  
(BY PROJECT TYPE, SIZE AND OWNERSHIP)

HYDROPOWER CONFIGURATIONS	OWNERSHIP										TOTAL	
	CORPS			OTHER FEDERAL			NON-FEDERAL			TOTAL		
	NO OF SITES	INCRE CAPACITY (MW)	INCRE ENERGY (GWH)	NO OF SITES	INCRE CAPACITY (MW)	INCRE ENERGY (GWH)	NO OF SITES	INCRE CAPACITY (MW)	INCRE ENERGY (GWH)	NO OF SITES	INCRE CAPACITY (MW)	INCRE ENERGY (GWH)
RUN OF RIVER UNDEVELOPED	131	5813.39	19528.9	12	258.60	555.8	609	8287.60	26091.2	752	14359.58	46175.9
<5 MW	16	1300.31	5390.4	2	196.36	346.4	68	4053.86	16570.1	86	5550.53	22306.9
5-30 MW	2	.18	1.5	0	.00	.0	6	17.38	67.1	8	17.56	68.6
>30 MW	9	140.85	606.8	0	.00	.0	35	657.69	2733.1	44	798.54	3339.8
EXISTING	115	4513.08	14138.5	10	62.23	346.4	27	3378.78	13770.0	34	4734.42	18898.5
<5 MW	17	49.85	234.6	5	7.29	209.4	541	4233.74	9521.1	666	8609.05	23869.0
5-30 MW	66	932.22	4395.3	5	54.94	174.3	196	1708.15	4461.9	267	2695.31	9031.6
>30 MW	32	3531.01	9508.6	0	.00	.0	38	2119.61	3547.9	70	5650.62	13056.4
STORAGE UNDEVELOPED	202	7995.53	14719.9	104	6934.04	5731.4	840	36583.16	76139.3	1146	51512.73	96590.6
<5 MW	37	2807.12	8031.4	16	663.69	1511.8	374	24969.22	58302.9	427	28440.03	67846.2
5-30 MW	10	21.93	54.3	3	31.31	10.4	100	138.68	544.7	113	163.92	609.3
>30 MW	16	203.76	614.0	4	83.42	238.5	124	1970.51	7332.8	144	2357.68	8185.3
EXISTING	165	5188.41	6688.5	9	576.96	1263.0	150	22860.04	50425.5	170	26018.43	59051.6
<5 MW	68	106.76	340.3	42	83.43	327.7	245	392.82	1274.7	355	583.01	1942.7
5-30 MW	73	942.48	2658.1	28	334.42	1111.1	119	1261.19	2850.4	220	2538.09	6619.6
>30 MW	24	4139.17	3690.0	18	5852.51	2780.7	102	9959.92	13711.4	144	19959.60	20182.1
CONDUIT UNDEVELOPED	0	.00	.0	7	516.78	1042.6	238	4834.91	18780.2	235	5351.69	19822.9
<5 MW	0	.00	.0	3	471.90	848.3	158	3531.51	15226.8	161	4003.40	16075.1
5-30 MW	0	.00	.0	0	.00	.0	28	75.98	383.5	28	75.98	383.5
>30 MW	0	.00	.0	0	.00	.0	96	1376.63	6758.1	96	1376.63	6758.1
EXISTING	0	.00	.0	3	471.90	848.3	34	2078.90	8085.2	37	2550.80	8933.5
<5 MW	0	.00	.0	4	44.89	194.4	70	1303.40	3553.4	74	1348.39	3747.8
5-30 MW	0	.00	.0	1	1.82	14.8	20	42.73	193.2	21	44.55	208.0
>30 MW	0	.00	.0	3	43.06	179.6	32	338.74	985.1	35	381.81	1164.6
ALL TYPES UNDEVELOPED	333	13808.92	34248.8	123	7709.42	7329.8	1677	49705.66	121010.8	2133	71324.00	162589.4
<5 MW	53	4107.43	13421.8	21	1331.95	2706.5	600	32554.59	90099.9	674	37993.96	106228.1
5-30 MW	12	22.11	55.7	3	31.31	10.4	134	232.04	995.3	149	257.47	1061.4
>30 MW	25	344.61	1220.8	4	83.42	238.5	255	4004.83	16824.0	284	4432.85	18283.2
EXISTING	280	9701.49	20827.0	14	1245.22	2457.6	211	28317.72	72380.6	241	33303.65	86883.5
<5 MW	85	156.61	575.0	102	6377.47	4623.3	1077	17151.08	30911.0	1459	33230.04	56381.3
5-30 MW	139	1874.70	7053.4	48	92.54	377.6	572	841.53	2979.2	705	1090.68	3931.7
>30 MW	56	7670.18	13198.6	36	432.42	145.0	347	3308.08	8297.3	522	5615.20	16815.8
				18	5852.51	2780.7	158	13001.47	19634.4	232	26524.15	35613.7

INCRE=INCREMENTAL PORTION OF THE TOTAL FOR EACH HYDROPOWER CONFIGURATION

SOURCE: INTASIA INC. OCT 1980

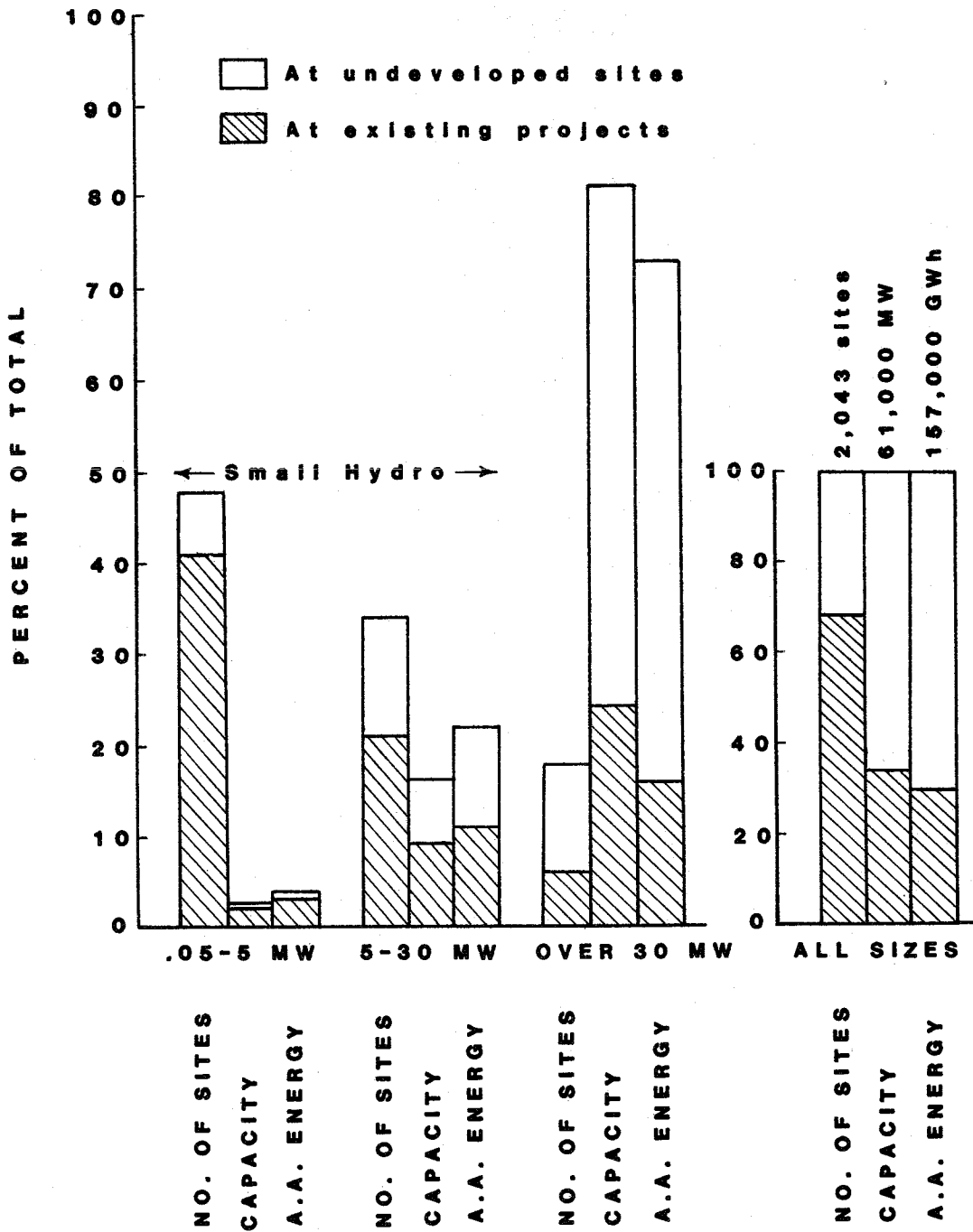


Figure 7-1  
DISTRIBUTION OF INCREMENTAL CAPACITY AND ENERGY  
AT ACTIVE AND RANKED SITES

## **APPENDICES**

APPENDIX A GLOSSARY

APPENDIX B DIVISION AND DISTRICT STUDY COORDINATORS

APPENDIX C ACTIVE FILE LISTING OF SELECTED DATA BY STATE

NOTE: Appendix C is a separate document



# APPENDIX A

## GLOSSARY

ACRE FOOT: (AcFt) A measure of volume. An acre (43,560 square feet) of water, one foot deep (43,560 cubic feet).

AVERAGE ANNUAL INFLOW: The average yearly inflow into a reservoir for the historical period-of-record, measured in cubic-feet-per-second (cfs).

CAPABILITY: The maximum load which a generator, generating station, or other electrical apparatus can supply under specified conditions for a given period of time, without exceeding approved limits of temperature and stress.

CAPACITY: The load of which a generating unit, generating station, or other electrical apparatus is rated either by the user or manufacturers' name plate rating. Capacity is sometimes used synonymously with capability.

CONVENTIONAL HYDROELECTRIC POWERPLANT: An electric powerplant utilizing falling water from streamflow or reservoir storage as the primary motive force of electrical generation.

DEMAND: The rate at which electric energy is required.

ELECTRIC ENERGY/POWER: That which does or is capable of doing work; measured in terms of the work it is capable of doing, i.e., kilowatthours.

EXISTING FACILITIES: A dam or other existing water resource project which has created a hydraulic head suitable for generating hydroelectric power. Such facilities include, but are not limited to:

- Irrigation drop structures and canals.
- Existing dams without any provisions for installing power facilities
- Existing dams with minimum facilities for installing power in the future; i.e., intakes and penstocks usually have been installed.
- Existing dams with generating facilities and with additional space constructed for adding more generating equipment.
- Existing dams with generating equipment installed; however, a potential exists for additional power generation.

FLOW-DURATION CURVE: A plot of streamflows ranked in descending order of magnitude, against time intervals, for a specific period.

FOSSIL FUEL: Refers to coal, oil, and natural gas.

GENERATOR: A machine which transforms mechanical energy from the prime mover (turbines) into electric energy.

GIGAWATT (GW): One million (1,000,000) kilowatts.

GIGAWATT-HOURS (GWH): One million kilowatt-hours.

HEIGHT OF DAM: Distance from streambed at dam centerline to the top of the dam with respect to maximum storage capacity.

HYDROELECTRIC POWER: Electrical energy derived from the energy of falling or flowing water.

INCREMENTAL DEVELOPMENT: The estimated hydroelectric power potential that can be added to an existing facility or water resource project.

INSTALLED CAPACITY: The total of the capacities as shown by the name plates of the generating units in a station or system.

KILOWATT-HOURS (kwh): The basic unit of electric energy equal to one kilowatt demand over a period of one hour, equal to 3,413 BTU.

LOAD: The amount of electric power delivered at a given point or points in a system.

L/D: An indication that the existing project is a dam with a navigation lock included; lock and dam.

MEGAWATTS (MW): A million watts or 1,000 kilowatts.

MEGAWATTS-HOURS (MW): 1,000,000 watt-hours or 1,000 kwh.

NAME PLATE RATING: The full-load, continuous operation rating of a generator, prime mover or other electrical equipment under specified conditions as designated by the manufacturer.

NET POWER HEAD: The difference between the elevations of the power pool and the tailwater less hydraulic and mechanical losses in the waterways.

NUCLEAR POWERPLANT: An electric generating plant utilizing the heat from a nuclear reactor as the source of power.

PENSTOCK: A conduit used to convey water to the turbine units of a hydroelectric plant.

PLANT FACTOR: The ratio of the average load on the plant for the period of time considered to the aggregate rating of all the generating equipment installed in the plant.

POTENTIAL HYDROELECTRIC POWER: The aggregate capacity capable of being developed by practical use of available streamflow and net powerhead.

POWER HOUSE: An electric generating station at which is located prime movers, electric generators, and auxiliary equipment for producing electric energy.

PUMPED STORAGE POWERPLANT: A hydropower plant where electric energy is generated for peak load use by utilizing water pumped into a storage reservoir, usually during off-peak hours.

SMALL-SCALE HYDROELECTRIC POWERPLANT: A hydroelectric generating station with less than 15 MW of installed capacity.

THERMAL GENERATING FACILITY: A generating plant which uses heat as the source of energy for the prime mover. Such plants may burn fossil fuels or use nuclear energy to produce the heat.

UNDEVELOPED SITES: No dam or other structures exists at this site to create the hydraulic head needed for generating hydroelectric energy. However, the topography of the site is favorable for developing a hydroelectric power project.

WATER RESOURCE PROJECT: A facility planned and constructed to obtain one or more uses or benefits from water. Purposes or uses may include navigation, flood control, hydroelectric power, land and water recreation, irrigation, water supply and water quality management.

WATT: The rate of energy transfer equivalent to one ampere under a pressure of one volt at unity power factor.





## APPENDIX B

### DIVISION AND DISTRICT STUDY COORDINATORS FOR NATIONAL HYDROPOWER STUDY

#### B.1 DIVISION STUDY COORDINATORS

U.S. Army Engineer Division  
Lower Miss. Valley  
ATTN: John C. Cole, LMVPD-F  
P.O. Box 80  
Vicksburg, MS 39180  
601-636-1311, X5827

U.S. Army Engineer Division  
Missouri River  
ATTN: Terry Schlaht, MRDPD  
P.O. Box 103, Downtown Station  
Omaha, NE 68101  
402-221-7272

U.S. Army Engineer Division  
North Atlantic  
ATTN: James Daniels, NADPL  
90 Church Street  
New York, NY 10007  
212-264-7088

U.S. Army Engineer Division  
North Central  
ATTN: Joseph Raoul, Jr., NCDED-W  
536 S. Clark Street  
Chicago, IL 60605  
312-353-4595

U.S. Army Engineer Division  
New England  
ATTN: Harmon Guptill, NEDPL-H  
424 Trapelo Road  
Waltham, MA 02154  
617-894-2400, X513

U.S. Army Engineer Division  
North Pacific  
ATTN: Tom White, NPDPL  
P.O. Box 2870  
Portland, OR 97208  
503-221-2088

U.S. Army Engineer Division  
Ohio River  
ATTN: Daniel E. Steiner, ORDPD-F  
P.O. Box 1159  
Cincinnati, OH 45201  
513-684-3043

U.S. Army Engineer Division  
Pacific Ocean  
ATTN H. Paul Mizue, PODED-PP  
Building 230  
Ft. Shafter, HI 96858  
808-438-9526 (5 hrs difference)

U. S. Army Engineer Division  
South Atlantic  
ATTN: Merlin Foreman, SADPD-P  
510 Title Building  
30 Pryor Street, S.W.  
Atlanta, GA 30303  
404-221-6739

U.S. Army Engineer Division  
South Pacific  
ATTN: Robert Parnell, SPDPL-R  
630 Sansome Street, Room 1216  
San Francisco, CA 94111  
415-556-5709

U.S. Army Engineer Division  
Southwestern  
ATTN: Jerrell Sartor, SWDPL-M  
Main Tower Building  
1200 Main Street  
Dallas, TX 75202  
214-767-2310



B.2 DISTRICT STUDY COORDINATORS

U.S. Army Engineer District  
Vicksburg  
ATTN: Hydro Study Rep  
P.O. Box 60  
Vicksburg, MS 39180  
601-636-6744

U.S. Army Engineer District  
Memphis  
ATTN: Hydro Study Rep  
668 Clifford Davis  
Federal Building  
Memphis, TN 38103  
901-521-3233

U.S. Army Engineer District  
New Orleans  
ATTN: Hydro Study Rep  
P.O. Box 60267  
New Orleans, LA 70160  
504-865-1121, x220

U.S. Army Engineer District  
St. Louis  
ATTN: Hydro Study Rep  
210 North 12th Street  
St. Louis, MO 63101  
314-268-3385

U.S. Army Engineer District  
Kansas City  
ATTN: Hydro Study Rep  
700 Federal Building  
Kansas City, MO 64106  
816-374-3062

U.S. Army Engineer District  
Omaha  
ATTN: Hydro Study Rep  
6014 USPO & Courthouse  
215 North 17th Street  
Omaha, NE 68102  
402-221-3900

U.S. Army Engineer District  
Baltimore  
ATTN: Hydro Study Rep  
P.O. Box 1715  
Baltimore, MD 21203  
301-962-4713

U.S. Army Engineer District  
New York  
ATTN: Hydro Study Rep  
26 Federal Plaza  
New York, NY 10007  
214-264-3567

U.S. Army Engineer District  
Norfolk  
ATTN: Hydro Study Rep  
803 Front Street  
Norfolk, VA 23510  
804-446-3772

U.S. Army Engineer District  
Philadelphia  
ATTN: Hydro Study Rep  
U.S. Custom House  
2nd & Chestnut Street  
Philadelphia, PA 19106  
215-597-4839

U.S. Army Engineer District  
Buffalo  
ATTN: Hydro Study Rep  
1776 Niagara Street  
Buffalo, NY 14207  
716-876-5454, x2147

U.S. Army Engineer District  
Chicago  
ATTN: Hydro Study Rep  
219 South Dearborn Street  
Chicago, IL 60604  
312-353-0789

U.S. Army Engineer District  
Detroit  
ATTN: Hydro Study Rep  
P.O. Box 1027  
Detroit, MI 48231  
313-226-6791

U.S. Army Engineer District  
Rock Island  
ATTN: Hydro Study Rep  
Clock Tower Building  
Rock Island, IL 61201  
309-788-6289

U.S. Army Engineer District  
St. Paul  
ATTN: Hydro Study Rep  
1135 U.S. Post Office & Custom House  
St. Paul, MN 55101  
612-725-7472

U.S. Army Engineer District  
Alaska  
ATTN: Hydro Study Rep  
P.O. Box 7002  
Anchorage, AK  
907-752-2114

U. S. Army Engineer District  
Portland  
ATTN: Hydro Study Rep  
P.O. Box 2946  
Portland, OR 97208  
503-221-6449

U.S. Army Engineer District  
Seattle  
ATTN: Hydro Study Rep  
P.O. Box C-3755  
Seattle, WA 98124  
206-764-3473

U.S. Army Engineer District  
Walla Walla  
ATTN: Hydro Study Rep  
Building 602  
City-County Airport  
Walla Walla, WA 99362  
509-525-5500

U.S. Army Engineer District  
Huntington  
ATTN: Hydro Study Rep  
P.O. Box 2127  
Huntington, WV 25721  
304-529-5639

U.S. Army Engineer District  
Louisville  
ATTN: Hydro Study Rep  
P.O. Box 59  
Louisville, KY 40201  
502-582-5643

U.S. Army Engineer District  
Nashville  
ATTN: Hydro Study Rep  
P.O. Box 1070  
Nashville, TN 37202  
615-251-7194

U.S. Army Engineer District  
Pittsburgh  
ATTN: Hydro Study Rep  
Federal Building  
1000 Liberty Avenue  
Pittsburg, PA 15222  
412-644-6849

U.S. Army Engineer District  
Charleston  
ATTN: Hydro Study Rep  
P.O. Box 919  
Charleston, SC 29402  
803-724-4236

U.S. Army Engineer District  
Jacksonville  
ATTN: Hydro Study Rep  
P.O. Box 4970  
Jacksonville, FL 32201  
904-791-3467

U.S. Army Engineer District  
Mobile  
ATTN: Hydro Study Rep  
P.O. Box 2288  
Mobile, AL 36228  
205-690-2781

U.S. Army Engineer District  
Savannah  
ATTN: Hydro Study Rep  
P.O. Box 889  
Savannah, GA 31402  
912-233-8822, X378

U.S. Army Engineer District  
Wilmington  
ATTN: Hydro Study Rep  
P.O. Box 1890  
Wilmington, NC 28401  
919-343-9971, x447

U.S. Army Engineer District  
Sacramento  
ATTN: Hydro Study Rep  
650 Capital Mall  
Sacramento, CA 95814  
916-440-3557

U.S. Army Engineer District  
Los Angeles  
ATTN: Hydro Study Rep  
P.O. Box 2711, Room 6562  
Los Angeles, CA 90053  
213-688-5441

U.S. Army Engineer District  
San Francisco  
Attn: Hydro Study Rep  
211 Main Street  
San Francisco, CA 94105  
415-556-8550

U.S. Army Engineer District  
Albuquerque  
ATTN: Hydro Study Rep  
P.O. Box 1580  
Albuquerque, NM 87103  
505-766-3225

U.S. Army Engineer District  
Galveston  
ATTN: Hydro Study Rep  
P.O. Box 1229  
Galveston, TX 77553  
713-763-6323

U.S. Army Engineer District  
Little Rock  
ATTN: Hydro Study Rep  
P.O. Box 867  
Little Rock, AR 72203  
501-378-5735

U.S. Army Engineer District  
Tulsa  
ATTN: Hydro Study Rep  
P.O. Box 61  
Tulsa, OK 74102  
918-581-7666

U.S. Army Engineer District  
Fort Worth  
ATTN: Hydro Study Rep  
P.O. Box 17300  
Ft. Worth, TX 76102  
817-334-2024



# APPENDIX C

## ACTIVE FILE LISTING OF SELECTED DATA BY STATE

### C.1 DESCRIPTION OF APPENDIX C

Appendix C contains information on all sites in the Form 2 active data file. Three tables are provided for each state. The first two tables contain summary information based only on those sites with an activity code of 2 or those which have a composite ranking number. These two tables indicate potential incremental capacity and energy for each state. The first summary table includes only those sites with an incremental capacity in the range of .05 to 15MW. The second summary table contains information on all sites with an incremental capacity greater than .05MW including those in the first table. The third table contains project data on all sites within the state that were retained in the active file. These sites are generally existing hydroelectric projects and undeveloped projects that have favorable incremental potential for development. Twenty-nine data items are displayed for each site showing pertinent physical and hydrologic characteristics as well as project type, status, purpose and estimated potential for development. Appendix C is separated by state alphabetically. The detailed information for each site within a state is also listed alphabetically by county, project name, and then if more than one alternative remains, site ID in increasing alpha-numeric left to right character order.

### C.2 COLUMN HEADINGS DESCRIPTION

This section contains information describing twenty-nine data items listed for each site in this Appendix. A more detailed description of each item is contained in Part 3 of Volume XIII entitled "Data Item Description For Form 2". Three lines are displayed for each site within each column. Column heading label descriptions follow:

<u>Column</u>	<u>Line</u>	<u>Form 2 Item No.</u>	<u>Description</u>
1	1	1	FM 2 ID NO - This is a 10 character identification number for each site in the inventory established during compilation of the Form 2 data base. The first two characters identify the state; the 3rd character identifies the type of project as designated in Form 2 item 84; the 4th, 5th and 6th characters identify the Corps of Engineers Division and District in which the site is located; and the last 4 characters are a unique 4 digit number within a Corp District.
1	2	8	FM 1 ID NO - This is a 7 character identification number for each site in the inventory established during the initial development of the Form 1 data base. Most numbers for existing dams are identical to the National Inventory of Dams data base. The first two digits identify the State and the last 5 are site unique within a given State.
1	3	3	<p>ACTV CODE - The left margin number designates the activity status in the Form 2 inventory. A site that is active (considered to have economic and non-economic merit for further study) should have a value of "2". The following codes were used:</p> <ul style="list-style-type: none"> <li>0. = New site in the data base and other sites where capacity and B/C values have not been computed.</li> <li>1. = Sites that were active in stage 2 but screened out prior to stage 3, 1st data collection. These sites have B/C ratio greater than 1.0 and a capacity greater than 50 KW and less than 1000 KW based on Form 1 computations.</li> <li>2. = Currently active sites. (See note below)</li> <li>3. = Sites that were individually screened out by the Districts, prior to the completion of capacity and B/C computations in Stage 2.</li> <li>4. = Sites screened out in stage 2 that have B/C ratio less than 1.0 or capacity less than 50 KW based on Form 1 computations.</li> <li>5. = Sites screened out in stage 3 - 1st screening. These sites have a capacity less than 1000 KW and a B/C ratio less than 1.0 for developed sites and a B/C ratio less than 0.7 for undeveloped sites, based on Form 2 data and computations.</li> </ul>



<u>Column</u>	<u>Line</u>	<u>Form 2 Item No.</u>	<u>Description</u>
---------------	-------------	----------------------------	--------------------

- 6. = Sites screened out in stage 3 - 2nd screening. These sites passed the stage 3 - 1st screening but failed the screening on adverse environmental social, and/or institutional impacts.
- 7. = Reserved for future screening.
- 8. = Reserved for future screening.
- 9. = Sites with file status (Item 4) equal to ICT.

NOTE: The sites with a 2. in Item 3 during the 1st data collection of stage 3 are sites that have a B/C ratio greater than or equal to 1.0 and a total potential capacity that is greater than or equal to 1000 KW, based on stage 2 computations using Form 1 data. Other sites chosen by the Districts for Form 2 study also can have a 2. in Item 3.

1	3	4	
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FILE STATUS - The file status code indicates the type of analysis performed for the site. Status will be determined by the program but may be changed by the user if necessary. The following types of status codes are allowed:

- (1) NWR = New record that indicates site is yet to be analyzed for power-potential.
- (2) EDT = Site contained editing errors prior to determination of type of analysis desired (either flow-duration or sequential).
- (3) DFA = Site unable to complete default (fixed) analysis due to data errors.
- (4) DRA = Site unable to complete flow-duration analysis due to data errors.
- (5) SAN = Site unable to complete sequential analysis due to data errors.
- (6) DFC = Site successfully processed using default (fixed) analysis technique.
- (7) DRC = Site successfully processed using flow-duration analysis technique.
- (8) SIN = Site that has completed development of HEC-5 input for sequential analysis.
- (9) SCP = Site successfully processed using sequential analysis technique.
- (10) ICT = Site considered inactive but saved in inventory for possible future processing.
- (11) JNK = Site which should be deleted from the data base.

<u>Column</u>	<u>Line</u>	<u>Form 2 Item No.</u>	<u>Description</u>
			NOTE: Districts should give a status of NWR to new sites that are entered into the file. Also, if data errors that effect computations are discovered for sites that have been processed, the District should change the status to NWR when they correct the other data items.
1	3	65	DEP CODE - The right margin letter identifies whether the site depends on the development of some other site or in lieu of some alternative site. The preferred site to a group of 2 or more alternative sites should be designated with a "D" and the others with an "E".  D = Dependent, alternative site, which is chosen by District for inclusion in summary tables. E = Dependent, alternative site, excluded from summaries. I = Independent site. S = Dependent, part of a system.
2	1	2	PROJECT NAME - Common name by which project is known. Only the first 29 characters of a potential 40 character name is printed.
2A	2	40	PRIMARY CO. - The county name in which the project or site is principally located. Those sites which are on a stream which forms the county line are designated at the discretion of the study manager.
2B	2	31	NAME OF STREAM - Name of stream on which project is located.
2	3	60	OWNER - Name of owner, if known. Various abbreviated symbols are also used e.g., DAEN xyz represents the Army Corps of Engineers with xyz being the Division and District code (see Form 2, Item 60 for list of standard abbreviations).
3	1	36	LATITUDE - the degrees, minutes and tenths of minutes locating the project latitude.
3	2	37	LONGITUDE - the degrees, minutes and tenths of minutes locating the project longitude.



<u>Column</u>	<u>Line</u>	<u>Form 2 Item No.</u>	<u>Description</u>
6	2	310	INC. CAP. - An estimate of the incremental capacity (in kW) determined by maximizing the economic parameter used (usually net benefits).
6	3	290	TOT. CAP. - The sum of the existing capacity and incremental capacity (in kW).
7	1	301	EXIST. ENRG. - Amount of average annual energy generation at an existing power project (in (MWH)
7	2	311	INC. ENERGY - Amount of average annual energy generated by the incremental capacity in(MWH).
7	3	291	TOT. ENERGY - Sum of existing and incremental average annual energy for the project (in MWH).
8	1	318	ANUL. COST - Total annual cost (in \$1,000) of producing the incremental energy.
8	2	318/311	ENERGY COST - Cost (in mills per kilowatt hour or \$/MWH) of producing the designated incremental energy.
9A	1	26	ERC. ECONOMIC - Project ranking number in its Electric Reliability Council region based on economic parameters.  1000 series - study in near-term period (by the year 1990) 2000 series - study in long-term period (beyond the year 1990)
9B	2	27	ERC. NON-ECONOMIC - Project ranking is similar to the economic ranking described above and is based on non-economic parameters (environmental, sociability, marketability, other).
9C	3	28	ERC. COMPOSITE - The composite project ranking is similar to the economic ranking described above except that both economic and non-economic parameters are considered. The smaller the ranking number the higher the study priority.

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF ALABAMA

***** POTENTIAL INCREMENTAL CAPACITY RANGES *****													
		.05 MW = 5 MW			5 MW = 10 MW			10 MW = 15 MW			.05 MW = 15 MW		
		EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
		INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN
		1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
0-19	NUMBER	0	0	0	1	0	1	0	1	0	1	0	2
	CAPACITY	0	0	0	9.0	0	9.0	0	10.0	0	10.0	0	19.0
	ENERGY	0	0	0	39	0	39	0	34	0	34	0	73
20-49	NUMBER	1	2	0	1	0	1	0	0	0	0	0	3
	CAPACITY	2.4	3.2	0	5.2	0	7.9	0	0	0	0	0	11.0
	ENERGY	7	16	0	21	0	25	0	0	0	0	0	40
50-99	NUMBER	0	2	0	0	0	0	0	0	0	0	0	2
	CAPACITY	0	5.2	0	0	0	0	0	0	0	0	0	5.2
	ENERGY	0	15	0	0	0	0	0	0	0	0	0	15
>100	NUMBER	0	0	0	0	0	0	0	0	0	0	0	0
	CAPACITY	0	0	0	0	0	0	0	0	0	0	0	0
	ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	NUMBER	1	4	0	2	0	2	0	1	0	1	0	7
	CAPACITY	2.4	8.4	0	5.2	16.9	0	16.9	0	10.0	0	10.0	35.3
	ENERGY	7	30	0	21	64	0	64	0	34	0	34	128

\*\*\*\*\* L E G E N D \*\*\*\*\*

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)











FM 2 ID NO	PROJECT NAME	STATUS	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	DR. AREA	AVG. G	PHR. HD.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
ACTV CODE	OWNER	(D.M.M.)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
CODE		(D.M.M.)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(SQ. MI)	(CFS)	(AC FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS								
ALCSAM0044	GEORGE W ANDREWS LAKE	31	15.5	55.0	17000	60000	1735.6	0.
AL01433	HOUSTON CHATTAHOOCHEE	85	6.6	18180	17000	60000	28.927	0.
2 DFC	DAEN SAM	8210	-10841.0	17.9	17000	60000		1000
ALCSAM0047	BAYVIEW LAKE	33	34.3	74.0	0	0	133.71	0.
AL01256	JEFFERSON VILLAGE CREEK	86	58.2	49100	1184	3052	43.800	0.
2 DRC	T. C. I., US STEEL CO.	69	-119.2	59.9	1184	3052		1000
AL4SAM0046	OAK GROVE	34	0.0	176.0	0	0	2658.9	0.
ALU0013	JEFFERSON VALLEY CREEK	87	0.0	0	5347	17402	152.79	0.
5 DRC		190	-365.4	134.8	5347	17402		0.
AL4SAM0045	SAYRE	33	42.8	85.0	0	0	1521.6	0.
ALU0009	JEFFERSON LOCUST FORK	87	0.0	0	2433	6903	220.41	0.
5 DRC		150	-259.3	64.9	2433	6903		0.
AL10RN0007	WHEELER LAKE	34	47.9	72.0	356400	1712500	0	0.
AL01411	LAUDERDALE TENNESSEE RIV	87	22.6	1071000	0	0	0	0.
5 DFC I	TVA	29590	-50229.9	48.0	356400	1712500		0.
AL10RN0006	WILSON LAKE	34	47.7	137.0	629800	3099900	0	0.
AL01410	LAUDERDALE TENNESSEE RIV	87	37.5	641000	0	0	0	0.
5 DFC I	TVA	30750	-52199.0	94.0	629800	3099900		0.
AL60RN0010	SUGAR CREEK	34	53.0	85.0	0	0	16809	0.
ALU0023	LTMFSTONE ELK RIVER	87	6.2	1360000	46147	126600	148.57	0.
6 DRC I	TVA	1949	2974.0	76.9	46147	126600		0.
ALCSAM0052	JONES BLUFF LAKE	32	19.3	70.5	68000	329600	0	0.
AL01434	LOWNDES ALABAMA RIVER	86	46.9	234200	0	0	0	0.
5 DFC	DAEN SAM	16300	-25204.3	30.2	68000	329600		0.
ALCSAM0500	DEMOPOLIS LOD	32	31.2	54.0	0	0	2266.1	0.
AL01430	HARENGO BLACK WARRIOR	87	52.8	120000	30000	100000	22.661	0.
2 DFC I	DAEN SAM	15300	-22891.9	30.1	30000	100000		2000



FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	ANUL. COST	ERC ECONOMIC				
FM 1 ID NO	PRIMARY CO.	NAME OF STREAM	DR. AREA	STATUS	MX. STOR.	AVE. Q	PHR. HD.	(KW)	(AC FT)	(MW)	(1000 \$)	INC. ENRGY	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER		(D M.M)	(CFS)	(FT)	(KW)	(MW)	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)		(MW)	(SEQUENCE RANK)	
CODE			(SQ. MI)											
FILE														
STATUS														
ALISAM0070	YATPS RESERVOIR	TALLAPOOSA	32 34.5	H R	87.0	32000	124200	0	0	0	0	0	0	0
AL01421	TALIAPPOOSA		85 53.9	OP	0	0	0	0	0	0	0	0	0	0
5 DFC	ALARAMA PWR CO		3265		-4778.1	32000	124200							
ALISAM0077	HOLT LAKE	SLACK WARRIOR	33 15.1	MHR	97.0	40000	149604	0	0	0	0	0	0	0
AL01426	TUSCALOOSA		87 26.9	OP	11790	0	0	0	0	0	0	0	0	0
5 DRC	DAEN SAM		4248		-7017.9	40000	149604							
ALISAM0078	LAKE BARKHEAD	SLACK WARRIOR	33 27.4	NHR	97.0	45500	167422	0	0	0	0	0	0	0
AL01427	TUSCALOOSA		87 21.3	OP	29600	0	0	0	0	0	0	0	0	0
5 DRC	DAEN SAM		3990		-6591.7	45500	167422							
ALCSAM0075	LAKE TUSCALOOSA	NORTH RIVER	33 16.3	SCR	132.0	0	0	1381.6	0	0	1381.6	0	0	1000
AL01137	TUSCALOOSA		87 30.7	OP	32500	17504	38163	36.203	0	0	36.203	0	0	0
2 DRC	CTTY OF TUSCALOOSA		418		-609.0	17504	38163							
ALASAM0071	NORTH RIVER	NORTH RIVER	33 0.0	H,S,R,C	150.0	0	0	3420.3	0	0	3420.3	0	0	0
AL01001	TUSCALOOSA		87 0.0	IS	50000	19335	38100	89.772	0	0	89.772	0	0	0
5 DRC	DAEN SAM		418		-693.8	19335	38100							
ALCSAM0079	WILLIAM BACON OLIVER LAKE	BLACK WARRIOR	33 12.6	N R	49.0	0	0	1210.7	0	0	1210.7	0	0	2000
AL01428	TUSCALOOSA		87 35.1	OP	1380	15000	54037	22.406	0	0	22.406	0	0	0
2 DFC	DAEN SAM		4830		-7979.4	15000	54037							
ALASAM0080	BLODD	BLACKWATER CR	34 0.0	H	130.0	0	0	2735.0	0	0	2735.0	0	0	0
AL01016	WALKER		87 0.0	IS	0	7457	18717	146.11	0	0	146.11	0	0	0
5 DRC			232		-446.1	7457	18717							
ALISAM0719	LEWIS SMITH RESERVOIR	SIPSEY FORK	33 56.2	HCR	260.0	0	0	0	0	0	0	0	0	0
AL01420	WALKER		87 6.3	OP	220300	0	0	0	0	0	0	0	0	0
5 DRA	ALARAMA POWER CO		944		-1565.8	157500	208900							
ALCSAM0082	LITTLE CREEK MINE LAKE	LITTLE CREEK	33 48.7	D	40.0	0	0	191.67	0	0	191.67	0	0	0
AL00892	WALKER		87 2.6	OP	200	1250	3782	50.678	0	0	50.678	0	0	0
5 DRC	PEARDY MINE COMPANY		127		-235.6	1250	3782							

```

*****
* FM 2 ID NO * PROJECT NAME *****
* FM 1 ID NO * PRIMARY CO. -NAME OF STREAM *****
* ACTV DEP * OWNER *****
* CODE CODE * *****
* FILE * *****
* STATUS * *****
* ALISA0083 * WILLIAM GRILL DANNELLY LAKE 32 6.1 * NHR * 78.0 * 75000 * 483465 * 3806.9 * 0. *
* ALO1435 * WILCOX ALABAMA RIVER 87 24.0 * OP * 331800 * 64307 * 117585 * 32.387 * 0. *
* 2 DRC * DAEN SAM * 20700 * 32093.3 * 37.2 * 139307 * 601011 *
*****
* LATITUDE * PROJ.PURP. * DAM HT * EXIST.CAP. * EXIST.ENERG * ANUL. COST * ERC ECONOMIC *****
* LONGITUDE * STATUS * AVE. Q * PHR. HD. * INC. CAP. * INC.ENERG * ENERGY COST * ERC NMECONOMIC *****
* DR.AREA * (D M.M) * (D M.M) * (D M.M) * (KW) * (KW) * (MWH) * (1000 $) * (SEQUENCE RANK) *
* (D M.M) * (D M.M) * (D M.M) * (AC FT) * (AC FT) * (MWH) * ($/MWH) * (SEQUENCE RANK) *
* (SQ.MI) * (SQ.MI) * (SQ.MI) * (CFS) * (FT) * (MWH) * (MWH) * (SEQUENCE RANK) *
*****

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PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF ALASKA

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL		
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
	INST	INCR	POTEN	INST	INCR	POTEN	INST	INCR	POTEN	INST	INCR	POTEN
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
NUMBER	0	0	0	0	0	0	0	0	0	0	0	0
CAPCTY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENERGY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NUMBER	0	0	0	0	0	0	0	0	0	0	0	0
CAPCTY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENERGY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NUMBER	1	1	1	0	0	0	0	0	1	1	1	1
CAPCTY	5.6	7.0	7.0	0.0	0.0	0.0	0.0	0.0	219	219	5.6	7.0
ENERGY	17.7	14.1	14.1	0.0	0.0	0.0	0.0	0.0	960	960	17.7	14.1
NUMBER	15	17	21	38	1	1	11	2	18	18	18	18
CAPCTY	38.5	38.3	150	188	15.0	23.2	213	77.1	2908	2908	131	61.6
ENERGY	606	94.5	666	760	41.0	1047	1047	333	12534	12534	980	94.5
NUMBER	16	18	21	39	1	1	11	2	19	19	19	19
CAPCTY	44.2	45.3	150	195	15.0	23.2	213	77.1	3127	3127	136	68.6
ENERGY	624	109	666	775	41.0	1047	1047	333	13494	13494	998	109
TOTAL	624	109	666	775	41.0	1047	1047	333	13494	13494	998	109

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)





FM 2 ID NO	PROJECT NAME	STREAM	DR. AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	NAME OF	AVG. G	MX. STOR.	INC. CAP.	INC. ENERGY	TOT. ENERGY	ENERGY COST	ERC NON-ECONOMIC	ERC COMPOSITE
CODE			(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)
FILE			(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)
STATUS			(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)
AK6NPA0010	KILLIK BEND	COLVILLE RIVER	67 3.0	225.0	0	0	0	20868		
AKU0349	BARROW-N. SL	COLVILLE RIVER	153 52.0	0	148000	718000	29 64			
6 DFC I	UNDEVELOPED		9780	217.7	148000	718000				
AK6NPA0011	KUCHER CREEK									
AKU0390	BARROW-N. SL	COLVILLE RIVER	68 54.9	130.0	0	0	0	17756		
6 DFC I	UNDEVELOPED		6240	119.8	53000	254000	69 906			
AK6NPA0008	KUKPUK									
AKU0378	BARROW-N. SL	KUKPUK RIVER	68 24.9	110.0	0	0	0	9208.8		
5 DFC I	UNDEVELOPED		2160	99.9	24000	105850	86 998			
AK6NPA0012	KYSARALIK RIVER									
AKU0099	BETHEL	KISARALIK RIVER	60 26.4	315.0	0	0	0	7431.4	1017	
2 DFC I	UNDEVELOPED		544	264.7	30000	131000	56 728		1022	1019
AK6NPA0013	ALAGNAK RIVER									
AKU0089	BRISTOL BAY	ALAGNAK RIVER	59 1.1	210.0	0	0	0	5896.3		
5 DFC I	UNDEVELOPED		530	169.8	18200	79700	73 981			
AK7NPA0014	AMERICAN CREEK									
AKU0090	BRISTOL BAY	AMERICAN CREEK	58 54.0	135.0	0	0	0	3279.2		
5 DFC I	UNDEVELOPED		100	860.1	25000	120000	27 327			
AK6NPA0015	BECHAROF									
AKU0091	BRISTOL BAY	EGGEGIK RIVER	58 9.0	56.0	0	0	0	33799		
5 DFC I	UNDEVELOPED		1280	57.9	16000	76000	471.4			
AKHNP2601	CHIGNIK									
AKO0051	BRISTOL BAY	INDIAN CREEK	56 16.9	5.0	50	438000	0	0		
6 DFC I	ALASKA PKRS. ASSN.		2	400.0	50	438000	0	0		
AK7NPA0016	CHIKUMINIUK									
AKU0092	BRISTOL BAY	ALLEN RIVER	60 10.0	10.0	0	0	0	8977.1		
5 DFC I	UNDEVELOPED		286	261.7	32000	154000	58 293			







FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - OWNER	DR. AREA	STREAM	STATUS	MX. STUR.	AVE. Q	PWR. HD.	INC. CAP.	EXIST. ENRGANUL. COST
ACTV CODE	FILE	(D M. M)	(S. M. M)	(CF8)	(FT)	(KW)	(MWH)	(MWH)	(1000 \$)
CODE	STATUS	(90. MI)	(FT)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(S/MWH)
5	AK7NPA0033	CRATER LAKE	CRATER LAKE	H	5.0	0	0	0	279.2
5	AKU0113	CORROVA-MCCA	CRATER LAKE	PP	700	389	1435	1435	194.44
5	DFC I	UNDEVELOPED	0	2.0	1348.6	389	1435	1435	
5	AK7NPA0048	HANAGTA LAKE	HANAGTA LAKE	H	73.0	0	0	0	5289.3
5	AKU0439	CORROVA-MCCA	HANAGTA RIVER	IS	0	33000	160000	160000	35.58
5	DFC I	UNDEVELOPED	100	314.0	1006.9	33000	160000	160000	
5	AK7NPA0026	HUMBRACK CREEK	HUMBRACK CREEK	H	5.0	0	0	0	470.45
5	AKU0104	CORROVA-MCCA	HUMBRACK CREEK	PP	500	1010	3296	3296	142.73
5	DFC I	UNDEVELOPED	2	25.0	349.6	1010	3296	3296	
5	AK7NPA0050	KIAGNA RIVER	KIAGNA RIVER	H	510.0	0	0	0	16251
5	AKU0451	CORROVA-MCCA	KIAGNA RIVER	IS	0	40000	193000	193000	84.207
5	DFC I	UNDEVELOPED	185	676.0	969.0	40000	193000	193000	
5	AK7NPA0051	KLUTINA	KLUTINA	H	98.0	0	0	0	7526.5
5	AKU0454	CORROVA-MCCA	KLUTINA RIVER	IS	0	54000	263000	263000	28.616
5	DFC I	UNDEVELOPED	670	1311.0	334.6	54000	263000	263000	
5	AK7NPA0052	KUSKULANA RIVER	KUSKULANA RIVER	H	310.0	0	0	0	7771.9
5	AKU0456	CORROVA-MCCA	KUSKULANA RIVER	IS	0	24000	114000	114000	68.175
5	DFC I	UNDEVELOPED	260	759.0	507.4	24000	114000	114000	
6	AK6NPA0053	LOWE (KEYSTONE CAN)	LOWE RIVER	H	440.0	0	0	0	9304.4
6	AKU0461	CORROVA-MCCA	LOWE RIVER	IS	0	55000	254000	254000	36.631
6	DFC I	UNDEVELOPED	190	1934.0	323.6	55000	254000	254000	
5	AK6NPA0054	MILLION DOLLAR	COPPER RIVER	H	110.0	0	0	0	52833
5	AKU0470	CORROVA-MCCA	COPPER RIVER	IS	0	440000	1927000	1927000	27.417
5	DFC I	UNDEVELOPED	24200	52489.0	86.9	440000	1927000	1927000	
6	AK7NPA0055	NIZINA	NIZINA	H	340.0	0	0	0	15020
6	AKU0474	CORROVA-MCCA	NIZINA RIVER	IS	0	45000	199200	199200	75.403
6	DFC I	UNDEVELOPED	1420	3450.0	329.6	45000	199200	199200	

FM 2 ID NO	PH 1 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	MX. STOR.	AVE. Q	PR. HD.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC				
										(D.M.N)	(D.M.N)	(SG.MI)	(CFS)	(AC FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	(8/MWH)	(SEQUENCE RANK)			
AK5NPA0039	AKU0070		2	DFC 0		POWER CREEK 1	CORDOVA-MCCA	POWER CREEK	UNDEVELOPED	60 35.1	145 32.4	H	25.0	0	5000	5000	251.0	359.6	0	26000	26000	2687.0	103.34	1022	1008	1012
AK7NPA0040	AKU0071		5	DFC E		POWER CREEK 2	CORDOVA-MCCA	POWER CREEK	UNDEVELOPED	60 36.9	145 31.4	H	165.0	0	10500	10500	160.0	499.5	0	50000	50000	8326.6	166.53			
AK7NPA0057	AKU0482		5	DFC I		POWER CREEK	CORDOVA-MCCA	POWER CREEK	UNDEVELOPED	60 35.9	145 30.9	H	10.0	0	14000	14000	283.0	360.0	0	66000	66000	2404.4	36.431			
AK7NPA0058	AKU0509		5	DFC I		TERRAY LAKE	CORDOVA-MCCA	TERRAY RIVER	UNDEVELOPED	61 26.0	144 11.9	H	85.0	0	40000	40000	331.0	1005.9	0	193000	193000	6323.6	32.764			
AK6NPA0059	AKU0511		5	DFC I		THREE MILE CANYON	CORDOVA-MCCA	BRENNER RIVER	UNDEVELOPED	60 59.0	144 10.0	H	230.0	0	26000	26000	2291.0	227.7	0	127000	127000	6339.7	49.919			
AK6NPA0060	AKU0512		5	DFC I		TIEKEL RIVER	CORDOVA-MCCA	TIEKEL RIVER	UNDEVELOPED	61 14.7	144 57.6	H	430.0	0	22000	22000	830.0	379.6	0	105000	105000	7918.7	75.416			
AK7NPA0062	AKU0062		5	DFC I		TONSINA	CORDOVA-MCCA	TONSINA RIVER	UNDEVELOPED	61 30.0	145 30.0	H	75.0	0	44000	44000	566.0	506.4	0	191000	191000	8238.0	43.131			
AK6NPA0061	AKU0516		5	DFC I		TSINA	CORDOVA-MCCA	TSINA	UNDEVELOPED	61 9.0	145 30.9	H	390.0	0	12000	12000	304.0	359.6	0	56000	56000	7456.5	128.56			
AK7NPA0062	AKU0520		5	DFC I		VAN CLEVE	CORDOVA-MCCA	UNNAMED	UNDEVELOPED	60 42.0	144 24.9	H	20.0	0	2000	2000	131.0	474.5	0	10000	10000	1885.5	188.55			

FM 2 ID NO	PROJECT NAME	PRIMARY CD.	NAME OF STREAM	LATITUDE	LONGITUDE	DAM HT	PROJ.PURP.	STATUS	MX.STOR.	AVE. Q	PHR. HD.	EXIST.CAP.	INC. CAP.	EXIST.ENERG	ANUL. COST	INC.ENERG	ENERGY COST	ERC ECONOMIC
ACTV DEP	OWNER		DR AREA	(D M M)	(D M M)	(FT)		(AC FT)	(KW)	(MHH)	(1000 \$)	TOT. CAP.	(MHH)	(MHH)	(1000 \$)	(S/MHH)	(SEQUENCE RANK)	ERC COMPOSITE
CODE	FILE		(SQ.MI)	(D M M)	(D M M)	(FT)	(CFS)	(FT)	(KW)	(MHH)	(1000 \$)	(KW)	(MHH)	(MHH)	(1000 \$)	(S/MHH)	(SEQUENCE RANK)	ERC COMPOSITE
AK7NPA0063	WHITE RIVER		60 4.6	142 9.9	29	H	5.0	0	2172	15791	1338.23	0	15791	0	1338.23			
AKU0525	CORODVA-MCCA		60 4.6	142 9.9	29	IS	0	0	2172	15791	1338.23	0	15791	0	1338.23			
5 OFA I	UNDEVELOPED						290.0	281.7	2172	15791	1338.23	0	15791	0	1338.23			
AK6NPA0064	WOOD CANYON		61 25.0	144 19.9		H	1000.0	0	360000	2190000	370973	0	2190000	0	370973			
AKU0526	CORODVA-MCCA		61 25.0	144 19.9		IS	0	0	360000	2190000	370973	0	2190000	0	370973			
6 OFC I	UNDEVELOPED						36880.0	949.0	360000	2190000	370973	0	2190000	0	370973			
AK7NPA0065	YOUNG CREEK		61 12.2	142 23.9	40	H	210.0	0	17000	82000	5189.5	0	82000	0	5189.5			
AKU0528	CORODVA-MCCA		61 12.2	142 23.9	40	IS	0	0	17000	82000	5189.5	0	82000	0	5189.5			
5 OFC I	UNDEVELOPED						152.0	2014.9	17000	82000	5189.5	0	82000	0	5189.5			
AK6NPA0066	CHATANIKA RIVER		65 2.0	148 31.0	770	H	105.0	0	5625	17800	4614.6	0	17800	0	4614.6			
AKU0324	FAIRBANKS		65 2.0	148 31.0	770	IS	15000	0	7000	14200	324.97	0	14200	0	324.97			
6 OFC I	UNDEVELOPED						580.0	91.0	12625	32000	4614.6	0	32000	0	324.97			
AK6NPA0067	CHENA RIVER		64 54.0	146 22.0	950	H	110.0	0	10000	46000	6511.4	0	46000	0	6511.4			
AKU0325	FAIRBANKS		64 54.0	146 22.0	950	IS	0	0	10000	46000	6511.4	0	46000	0	6511.4			
5 OFC I	UNDEVELOPED						905.0	106.8	10000	46000	6511.4	0	46000	0	6511.4			
AK6NPA0069	TANANA RIVER (LITTLE DELTA)		64 30.0	146 45.0	18080	H	140.0	0	65000	315000	19347	0	315000	0	19347			
AKU0360	FAIRBANKS		64 30.0	146 45.0	18080	IS	0	0	65000	315000	19347	0	315000	0	19347			
6 OFC D	UNDEVELOPED						20010.0	106.8	65000	315000	19347	0	315000	0	19347			
AK6NPA0072	CHILKAT		59 38.0	135 56.0	190	H	410.0	0	41000	180000	7472.9	0	180000	0	7472.9			
AKU0258	HAINES DIV		59 38.0	135 56.0	190	IS	0	0	41000	180000	7472.9	0	180000	0	7472.9			
5 OFC I	UNDEVELOPED						1202.0	319.6	41000	180000	7472.9	0	180000	0	7472.9			
AK6NPA0071	CHILKOTT		59 19.9	135 32.0	130	H	180.0	0	16000	78000	5999.2	0	78000	0	5999.2			
AKU0257	HAINES DIV		59 19.9	135 32.0	130	IS	0	0	16000	78000	5999.2	0	78000	0	5999.2			
5 OFC I	UNDEVELOPED						1076.0	135.8	16000	78000	5999.2	0	78000	0	5999.2			
AKINPA0098	ANNEX		58 19.5	134 7.6	6	H	25.0	0	3500	6000	171.52	0	6000	0	171.52			0031
AK00004	JUNEAH		58 19.5	134 7.6	6	OP	23400	0	1750	3000	171.52	0	3000	0	171.52			2002
2 OFC I	ALASKA ELEC LGT AND PHR		58 19.5	134 7.6	6		63.4	755.0	5250	9000	171.52	0	9000	0	171.52			2029





FM 2 ID NO	PROJECT NAME	DR AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	DR. AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	(D M. M)	(D M. M)	(D M. M)	STATUS	MX. STOR.	INC. CAP.	INC. ENRGY	ERC NON-ECONOMIC
CODE		(90. MI)	(AC FT)	(AC FT)	AVE. Q	PWR. HD.	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
FILE		(CFS)	(FT)	(FT)	(KW)	(MHH)	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)
STATUS					(KW)	(MHH)			(SEQUENCE RANK)
AK6NPA0095	LACE RIVER	58 57.0	134 57.9	58 57.0	H	210.0	0	17264	
AKU0309	JUNEAU	134 57.9	134 57.9	134 57.9	IS	165.0	62000	57.934	
5 DFC I	UNDEVELOPED	393	3174.0	3174.0			298000		
AK5NPA0096	LAKE DOROTHY	58 14.0	134 3.0	58 14.0	H	5.0	0	2286.3	2003
AKU0311	JUNEAU	134 3.0	134 3.0	134 3.0	IS	165000	150000	15.242	2006
2 DFC I	UNDEVELOPED	11	112.0	2347.6			150000		2001
AK7NPA0073	LEMON CREEK	58 20.9	134 30.0	58 20.9	H	230.0	5000	3727.3	
AKU0124	JUNEAU	134 30.0	134 30.0	134 30.0	IS	19000	10000	0	
5 DFC I	UNDEVELOPED	25	280.0	240.0			43000		
AK6NPA0075	NUGGET CREEK	58 25.0	134 30.9	58 25.0	H	120.0	0	1532.7	
AKU0150	JUNEAU	134 30.9	134 30.9	134 30.9	IS	6000	30000	51.90	
5 DFC I	UNDEVELOPED	16	208.0	606.3			30000		
AK7NPA0076	PETERSON LAKE	58 26.6	134 44.0	58 26.6	H	50.0	0	1278.5	
AKU0159	JUNEAU	134 44.0	134 44.0	134 44.0	IS	6000	26986	47.379	
5 DFC I	UNDEVELOPED	6	23.0	669.3			26986		
AK7NPA0077	RHINE CREEK	58 13.4	134 10.8	58 13.4	H	22.0	0	554.66	1014
AKU0171	JUNEAU	134 10.8	134 10.8	134 10.8	IS	1200	1570	353.28	1005
5 DFC I	UNDEVELOPED	4	29.1	389.6			1570		1014
AKINPA0101	SALMON CREEK NO 2	58 17.9	134 23.9	58 17.9	H	167.0	2800	276.86	1026
AKU0056	JUNEAU	134 23.9	134 23.9	134 23.9	DP	19000	5000	0	1009
5 DFC I	ATINDUSTRIES INC	5	-52.8	640.0			3000		1023
AKJNPA0100	SALMON CREEK NO 1	58 17.9	134 30.0	58 17.9	H	167.0	2800	0	
AKU0055	JUNEAU	134 30.0	134 30.0	134 30.0	DP	7000	3000	0	
5 DFC I	AK ELE LT & PWR CO	6	-63.4	390.0			3000		
AK6NPA0079	SHEEP CREEK	58 15.0	134 18.9	58 15.0	H	180.0	0	2001.7	
AKU0184	JUNEAU	134 18.9	134 18.9	134 18.9	IS	6000	26144	76.567	
5 DFC I	UNDEVELOPED	15	51.0	769.2			6000		



FM 2 ID NO	PROJECT NAME	ACTV DEP	FILE	STATUS	PRIMRY CO.	NAME OF STREAM	DR AREA	LATITUDE	LONGITUDE	PROJ PURP	DAM HT	EXIST CAP	EXIST ENRG	ANUL COST	ERC ECONOMIC
ACTV DEP	OWNER	DR AREA	(D M M)	(D M M)	NAME OF STREAM	DR AREA	(D M M)	(D M M)	(D M M)	PROJ PURP	DAM HT	EXIST CAP	EXIST ENRG	ANUL COST	ERC ECONOMIC
CODE	OWNER	DR AREA	(D M M)	(D M M)	NAME OF STREAM	DR AREA	(D M M)	(D M M)	(D M M)	PROJ PURP	DAM HT	EXIST CAP	EXIST ENRG	ANUL COST	ERC ECONOMIC
FILE	OWNER	DR AREA	(D M M)	(D M M)	NAME OF STREAM	DR AREA	(D M M)	(D M M)	(D M M)	PROJ PURP	DAM HT	EXIST CAP	EXIST ENRG	ANUL COST	ERC ECONOMIC
STATUS	OWNER	DR AREA	(D M M)	(D M M)	NAME OF STREAM	DR AREA	(D M M)	(D M M)	(D M M)	PROJ PURP	DAM HT	EXIST CAP	EXIST ENRG	ANUL COST	ERC ECONOMIC
AK7NPA0143	UPPER SWEETHEART	133 30.6	57 59.7	18000	H	IS	45.0	1178.8	7000	7000	0	0	1316.7	2022	2020
AKU0006	JUNEAU	3	57 59.7	18000	H	IS	45.0	1178.8	7000	7000	0	0	42.945	2022	2020
AK7NPA0089	YEHRING CREEK	58 27.0	58 27.0	100.0	H	IS	155.0	1028.9	5000	5000	0	0	1985.8	1005	1010
AKU0228	JUNEAU	133 45.9	58 27.0	20000	H	IS	155.0	1028.9	5000	5000	0	0	76.378	1005	1010
AK7NPA0103	BRADLEY LAKE	59 45.0	59 45.0	120.0	H	PA	596.0	1053.9	94000	94000	0	0	7547.5	1005	1004
AKU0397	KENAI-COOK I	150 51.0	59 45.0	38000	H	PA	596.0	1053.9	94000	94000	0	0	18.408	1005	1004
AK7NPA0106	CHAKACHAMNA LAKE	61 13.0	61 13.0	5.0	H	IS	3646.0	792.2	366000	366000	0	0	19688	2001	2035
AKU0408	KENAI-COOK I	152 22.0	61 13.0	430000	H	IS	3646.0	792.2	366000	366000	0	0	12.305	2001	2035
AK7NPA0107	CHUITNA	61 4.9	61 4.9	50.0	H	IS	193.0	551.4	9000	9000	0	0	2376.2	2035	2035
AKU0410	KENAI-COOK I	151 19.9	61 4.9	9000	H	IS	193.0	551.4	9000	9000	0	0	52.803	2035	2035
AK6NPA0108	COFFEE	61 12.0	61 12.0	120.0	H	IS	2486.0	108.8	37000	37000	0	0	8066.1	2028	2028
AKU0418	KENAI-COOK I	151 10.0	61 12.0	37000	H	IS	2486.0	108.8	37000	37000	0	0	50.413	2028	2028
AK7NPA0109	CRESCENT LAKE	60 21.9	60 21.9	5.0	H	IS	627.0	519.4	6000	6000	0	0	3474.9	2028	2028
AKU0419	KENAI-COOK I	152 49.9	60 21.9	306000	H	IS	627.0	519.4	6000	6000	0	0	119.82	2028	2028
AK6NPA0110	FOX	59 58.4	59 58.4	320.0	H	IS	545.0	299.7	25000	25000	0	0	15863	2028	2028
AKU0427	KENAI-COOK I	150 48.0	59 58.4	250000	H	IS	545.0	299.7	25000	25000	0	0	145.73	2028	2028
AK6NPA0111	HALIBUT	59 35.1	59 35.1	175.0	H	IS	130.0	584.4	12000	12000	0	0	1600.6	2028	2028
AKU0438	KENAI-COOK I	151 9.5	59 35.1	12000	H	IS	130.0	584.4	12000	12000	0	0	31.614	2028	2028





FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	DR. AREA	DR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	(D M. M)	(D M. M)	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
CODE		(SQ. MI)	(SQ. MI)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE					(FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS									(SEQUENCE RANK)
AK7NPA0123	MAHONEY LAKE UPPER	55 25.0	131 31.1	H	25.0	0	0	1691.4	2011
AKU0128	KETCHIKAN	131 31.1	2	IS	10200	14400	55590	30.426	2010
2 DFC I	UNDEVELOPED				1825.1	14400	55590		2003
AK7NPA0312	MANZANITA LAKE	55 34.7			70.0	0	0	4197.8	
5 DFC I	KETCHIKAN	131 1.2		IS	116000	26000	124000	33.853	
	UNDEVELOPED				268.7	26000	124000		
AK6NPA0125	MIRROR	55 29.0		H	116.0	0	0	2414.0	
AKU0141	KETCHIKAN	131 7.9		IS	0	4000	18000	134.11	
5 DFC I	UNDEVELOPED				89.9	4000	18000		
AK7NPA0126	NADZAHEEN LAKE	55 13.4		H	40.0	0	0	892.61	
AKU0143	KETCHIKAN	131 27.9		IS	15000	1500	6324	141.14	
5 DFC I	UNDEVELOPED				189.8	1500	6324		
AK7NPA0127	NAHA RIVER	55 35.3		H	50.0	0	0	1685.0	
AKU0144	KETCHIKAN	131 37.9		IS	0	6000	26000	64.809	
6 DFC I	UNDEVELOPED				205.0	6000	26000		
AK7NPA0128	ORCHARD CREEK	56 49.9		H	60.0	0	0	2691.6	
AKU0152	KETCHIKAN	131 29.0		IS	0	9000	44000	61.173	
5 DFC I	UNDEVELOPED				169.8	9000	44000		
AK7NPA0129	PERSEVERANCE LAKE	55 24.0		H	35.0	0	0	824.30	
AKU0158	KETCHIKAN	131 40.0		IS	10000	3000	13350	61.745	
5 DFC I	UNDEVELOPED				539.4	3000	13350		
AK7NPA0132	SWAN LAKE	55 35.9		H	195.0	0	0	4958.7	1018
AKU0200	KETCHIKAN	131 21.0		IS	0	22000	85000	58.358	1016
2 DFC I	UNDEVELOPED				274.7	22000	85000		1003
AKONPA0139	UPPER SILVIS LAKE	55 22.8		H	60.0	2100	5000	286.20	1007
AKO0007	KETCHIKAN	131 30.9		OP	22000	2000	49111	5.8277	1001
2 DFC D	CITY OF KETCHIKAN				265.0	4100	54111		1016

PH 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	STATUS	LONGITUDE	MX. STOR.	INC. CAP.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
CODE		(D.M.H)		(D.M.H)	(FT)	(KW)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE		(80.MI)		(80.MI)	(CAC FT)	(KW)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS				(80.MI)	(FT)	(KW)	(KW)	(MWH)		(SEQUENCE RANK)
AK6NPA0145	AGASHASHOK (IGICHUK)			67 13.0	H	150.0	0	0	0	324.47
AKU0368	KORUK			162 30.0	IS	600000	186000	820000	29.220	23960
AK6NPA0146	BUCKLAND RIVER			65 3.5	H	120.0	0	0	0	13624
AKU0369	KORUK			161 3.0	IS	0	16000	79000	172.46	13624
AK6NPA0147	FISH RIVER			65 56.9	H	120.0	0	0	0	10116
AKU0371	KORUK			160 30.0	IS	0	13000	60000	168.61	10116
AK6NPA0151	KIWALIK			65 53.5	H	220.0	0	0	0	10605
AKU0375	KORUK			161 53.4	IS	0	14000	60000	176.75	10605
AK6NPA0149	KORUK RIVER			67 7.9	H	125.0	0	0	0	28573
AKU0373	KORUK			159 7.0	IS	0	120000	526000	54.321	28573
AK6NPA0150	KUGLUKTUK RIVER			66 58.9	H	85.0	0	0	0	2806.1
AKU0374	KORUK			156 37.9	IS	180000	8000	37000	75.840	2806.1
AK6NPA0152	KUGRUK			65 54.0	H	230.0	0	0	0	12197
AKU0377	KORUK			162 42.9	IS	0	16000	73000	167.9	12197



PM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	ACTY DEP	OWNER	DR. AREA	(D M.M)	(D M.M)	MX. STOR.	PR. HO.	INC. CAP.	INC. ENRG	ENERGY COST	ERC COMPOSITE
CODE	FILE	STATUS	(SQ. MI)	(CFS)	(AC FT)	(FT)	(KW)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
6	DFC I	UNDEVELOPED	7735.0	198.8	205.0	0	174000	760000	760000	27142	35.713
AK6NPA0153	NISHESUK	KOBUK	NOATAK RIVER	67 56.9	161 38.9	H	0	0	0	27142	35.713
AK6NPA0154	NTMIUKTUK	KOBUK	NOATAK RIVER	67 58.0	160 15.0	H	0	0	0	24617	40.158
AK6NPA0156	UPPER KOBUK RIVER	KOBUK	KOBUK RIVER	66 46.9	156 11.0	H	0	0	0	8801.6	77.207
AK6NPA0157	UPPER NOATAK	KOBUK	NOATAK RIVER	67 56.9	160 11.9	H	0	0	0	30114	32.504
AK7NPA0159	AYAKULIK	AYAKULIK RIVER	AYAKULIK RIVER	57 13.1	154 23.9	H	85.0	0	0	6163.8	125.79
AK8NPA0171	DRY SPRUCE	DRY SPRUCE BA	DRY SPRUCE BA	57 55.4	153 3.0	H	0	75	328	33.565	35.708
AK7NPA0160	FRASER LAKE	DOG SALMON CR	DOG SALMON CR	57 11.2	154 10.1	H	5.0	0	0	2370.3	74.73
AK6NPA0161	KARLUK LAKE	KARLUK RIVER	KARLUK RIVER	57 23.0	154 3.0	H	200.0	0	0	5399.0	63.518
AK7NPA0162	OLGA BAY	OLGA NARROWS	OLGA NARROWS	57 3.9	154 335	H	45.0	0	0	3418.5	92.392

FM 2 ID NO	PROJECT NAME	LATITUDE	PRCJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. -NAME OF STREAM	LONGITUDE	STATUS	MX.STOR.	INC. CAP.	INC.ENERGY	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR.AREA	AVE. G	PMR. HO.	TOT. CAP.	TOT.ENERGY		ERC COMPOSITE
CODE	(D M.M)	(FT)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE	(D M.M)	(FT)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS	(SQ.MI)	(FT)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
AK6NPA0170	ONE MILE CREEK	57 2.5	H	10.0	0	70000	0	
AK00046	KODIAK	152 23.9	OP	1500	0	0	0	
6 DFC I	NEW ENGLAND FISH CO.	15		300.0	0	70000	0	
AK6NPA0164	SPIRIDON LAKE	57 40.0	H	20.0	0	0	1910.2	
AKU0497	KODIAK	153 40.0	IS	0	6000	24806	77.6	
5 DFC I	UNDEVELOPED	22		459.5	6000	24806		
AK7NPA0165	SPIRIDON RIVER	57 40.9	H	50.0	0	0	3486.3	
AKU0498	KODIAK	153 38.9	IS	31000	25000	107853	32.325	
5 DFC I	UNDEVELOPED	23		269.7	25000	107853		
AK7NPA0166	TERROR LAKE	57 40.0	H	70.0	0	0	2772.1	1006
AKU0510	KODIAK	153 6.0	IS	0	20000	139000	19.943	1031
2 DFC I	UNDEVELOPED	17		1146.8	20000	139000		
AK6NPA0169	UGANIK	57 45.9	H	5.0	30	80000	0	
AK00045	KODIAK	153 33.0	DP	1000	0	0	0	
6 DFC I	INTERCOASTAL PKG. CO.	15		162.0	30	80000	0	
AK7NPA0167	UGANIK	57 41.0	H	25.0	0	0	5995.9	
AKU0518	KODIAK	153 23.1	IS	40000	26000	116510	51.462	
6 DFC I	UNDEVELOPED	97		89.9	26000	116510		
AK6NPA0172	CROOKED CREEK	61 49.9	H	355.0	0	0	87929	
AKU0094	KUSKOKWIM	158 0.0	IS	0	2140000	9400000	9.3542	
6 DFC I	UNDEVELOPED	31100		351.6	2140000	9400000		
AK6NPA2613	HOLY CROSS	62 15.0	H	120.0	0	0	954361	
AKU0337	KUSKOKWIM	159 40.0	IS	65000	2800000	12300000	77.590	
6 DFC D	UNDEVELOPED	320000		93.9	2800000	12300000		
AK7NPA0173	KUSKOKWIM RIVER	62 4.9	H	75.0	0	0	4760.0	
AKU0105	KUSKOKWIM	153 19.9	IS	0	15000	72000	66.112	
5 DFC I	UNDEVELOPED	870		173.8	15000	72000		



PM 2 ID NO	PROJECT NAME	LATITUDE	PRCJ.PURP.	DAM HT	EXIST.CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENERGY	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR AREA	AVE. Q	PHR. HD.	TOT. CAP.	TOT. ENERGY		ERC COMPOSITE
CODE		(D M.H)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE		(D M.H)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ.MT)						(SEQUENCE RANK)
AK7NPA0180	CHUNILNA	62 49.9	H	175.0	0	0	2491.4	
AKU0412	MATANUSKA-SU	150 0.0	IS	40000	5000	25000	99.656	
5 DFC I	UNDEVELOPED	240		197.8	5000	25000		
AK6NPA0183	COAL	62 57.3	H	265.0	0	0	9336.3	
AKU0416	MATANUSKA-SU	149 43.5	IS	0	40000	193000	48.374	
5 DFC E	UNDEVELOPED	985		240.7	40000	193000		
AK6NPA0184	COAL CREEK	61 46.9	H	410.0	0	0	42306	
AKU0417	MATANUSKA-SU	148 10.0	IS	0	64000	307000	137.80	
5 DFC I	UNDEVELOPED	1128		290.7	64000	307000		
AK4NPA0056	COOK INLET TIDAL	61 9.6	H	75.0	0	0	0	
AKU0479	MATANUSKA-SU	150 9.5	IS	0	0	0	0	
5 DFA I	UNDEVELOPED			12.0	0	0		
AK7NPA0187	DEADMAN CREEK	62 55.8	H	110.0	0	0	7822.2	
AKU0423	MATANUSKA-SU	148 22.8	IS	0	34000	165000	47.407	
5 DFC I	UNDEVELOPED	160		961.0	34000	165000		
AK6NPA0185	DENALI USRR PROPOSAL	62 42.	H	268.0	0	0	19680	
AKU0421	MATANUSKA-SU	147 34.	SI	530000	92522	396059	49.691	
5 DFA E	UNDEVELOPED	1260		397.5	92522	396059		
AK6NPA0186	DEVIL CANYON USRR PROPOSAL	62 48.9	H	635.0	0	0	31540	
AKU0422	MATANUSKA-SU	149 18.9	SI	1080000	738000	3205000	9.8409	
6 DFC E	UNDEVELOPED	5810		574.4	738000	3205000		
AK6NPA0188	DEVIL CANYON NPA PROPOSAL	62 48.9	HRC	635.0	0	0	39324	
AKU0424	MATANUSKA-SU	149 18.9	FP	1087750	776000	3410000	11.532	
2 DFC D	UNDEVELOPED	5810		9227.0	776000	3410000		1019 1006
AKJNPA0225	EKLUTNA DAM	61 24.6	H	20.0	30000	164000	0	
AKK00033	MATANUSKA-SU	149 9.4	DP	280000	0	0	0	
5 DFC I	DOI USRR	119		187.8	30000	164000	0	



FM 2 ID NO	ACTV DEP	FILE STATUS	PROJECT NAME	PRIMARY CD.	NAME OF STREAM	DR AREA	LONGITUDE	LATITUDE	PROJ PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	INC. ENRG	TOT. ENRG	ANUL. COST	ERC ECONOMIC
			OWNER		(D N.M)	(D N.M)	(D N.M)	(D N.M)	STATUS	MX. STUR.	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)
					(SQ.MI)	(SQ.MI)	(SQ.MI)	(SQ.MI)	AVE. Q	(FT)	(AC FT)	(AC FT)	(AC FT)	(MWH)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
AK6NPA0198	6	DFC I	KING MTN	MATANUSKA-SU	MATANUSKA RIV	148 19.9	61 15.0	148 19.9	H	300.0	44000	44000	44000	210000	210000	210000	14681	69.913
AK6NPA0199	5	DFC I	LAKE CREEK LOWER	MATANUSKA-SU	LAKE CREEK	62 6.9	62 6.9	62 6.9	H	250.0	0	22000	22000	103000	103000	103000	5496.8	52.350
AK7NPA0200	5	DFC I	LAKE CREEK UPPER	MATANUSKA-SU	LAKE CREEK	151 27.9	62 26.0	151 27.9	H	125.0	15000	15000	15000	74000	74000	74000	4378.1	59.164
AK6NPA0201	6	DFC D	LAMP	MATANUSKA-SU	SUSITNA RIVER	62 32.9	62 32.9	62 32.9	H	190.0	0	240000	240000	1052000	1052000	1052000	18990	18.907
AK6NPA0202	6	DFC D	LOWER CHULITNA	MATANUSKA-SU	CHULITNA RIVE	150 14.0	62 33.9	150 14.0	H	200.0	0	90000	90000	394000	394000	394000	17837	45.272
AK6NPA0203	5	DFC I	LUCY	MATANUSKA-SU	CHULITNA RIVE	149 57.9	62 55.0	149 57.9	H	200.0	15000	15000	15000	71000	71000	71000	8102.9	114.12
AK6NPA0204	5	DFC I	MCLAREN RIVER	MATANUSKA-SU	MCLAREN RIVER	146 22.0	62 57.0	146 22.0	H	290.0	0	55000	55000	263000	263000	263000	32562	122.80
AK6NPA0205	6	DFC I	MOOSE CREEK	MATANUSKA-SU	MATANUSKA RIV	148 43.5	61 45.0	148 43.5	H	180.0	0	21000	21000	100000	100000	100000	7713.6	77.136
AK6NPA0206	5	DFC I	OHIO	MATANUSKA-SU	CHULITNA RIVE	149 43.5	62 57.3	149 43.5	H	240.0	0	30000	30000	144000	144000	144000	8062.6	55.990

FM 2 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	ERC COMPOSITE
CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)
FILE	STATUS	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)	(SEQUENCE RANK)
STATUS	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
AK7NPA0207					PALMER	MATANUSKA RIV	61 32.9	149 4.9	H	50.0	16000	79000	79000	0	7200.2	
AKU0478					MATANUSKA-SU	MATANUSKA RIV	61 32.9	149 4.9	IS	0	16000	79000	79000	0	91.142	
5 DFC I					UNDEVELOPED		2070	4027.0		165.8						
AK6NPA0208					PURNTON CREEK	MATANUSKA RIV	61 45.9	148 0.0	H	360.0	0	0	0	0	32328	
AKU0484					MATANUSKA-SU	MATANUSKA RIV	61 45.9	148 0.0	IS	0	67000	324000	324000	0	99.777	
5 DFC I					UNDEVELOPED		1082	2070.0		290.7	67000	324000	324000	0		
AK7NPA0209					RUSH LAKE	BOULDER CREEK	61 49.9	148 15.0	H	5.0	0	0	0	0	1373.4	
AKU0486					MATANUSKA-SU	BOULDER CREEK	61 49.9	148 15.0	IS	60000	9000	45000	45000	0	50.520	
6 DFC I					UNDEVELOPED		89	108.0		891.1	9000	45000	45000	0		
AK6NPA0210					SHEEP CREEK	SHEEP CREEK	62 18.3	149 27.9	H	350.0	0	0	0	0	7509.9	
AKU0490					MATANUSKA-SU	SHEEP CREEK	62 18.3	149 27.9	IS	540000	37000	330000	330000	0	22.757	
5 DFC I					UNDEVELOPED		368	750.0		349.6	37000	330000	330000	0		
AK6NPA0211					SKWENTNA (HAYES)	SKWENTNA RIVE	61 51.9	152 7.0	H	360.0	0	0	0	0	14713	
AKU0494					MATANUSKA-SU	SKWENTNA RIVE	61 51.9	152 7.0	IS	0	98000	490000	490000	0	30.27	2009 2028 2008
2 DFC D					UNDEVELOPED		950	2624.0		290.7	98000	490000	490000	0		
AK7NPA0212					STRANCLINE LAKE	BELUGA RIVER	61 29.0	151 58.9	H	5.0	0	0	0	0	2874.7	
AKU0500					MATANUSKA-SU	BELUGA RIVER	61 29.0	151 58.9	IS	10000	17000	81000	81000	0	35.490	
5 DFC I					UNDEVELOPED		54	159.0		851.1	17000	81000	81000	0		
AK6NPA0213					TALACHULITNA	SKWENTNA RIVE	61 51.9	151 22.0	H	130.0	0	0	0	0	10978	
AKU0503					MATANUSKA-SU	SKWENTNA RIVE	61 51.9	151 22.0	IS	0	75000	1390000	1390000	0	7.8981	
6 DFC D					UNDEVELOPED		2250	6216.0		123.8	75000	1390000	1390000	0		
AK6NPA0214					TALACHULITNA RIVER	TALACHULITNA	61 45.9	151 27.9	H	250.0	0	0	0	0	13230	
AKU0504					MATANUSKA-SU	TALACHULITNA	61 45.9	151 27.9	IS	0	28000	137000	137000	0	96.572	
5 DFC I					UNDEVELOPED		360	994.0		230.7	28000	137000	137000	0		
AK6NPA0215					TALKEETNA RIVER (SHEEP)	TALKEETNA RIV	62 21.9	149 46.9	H	125.0	0	0	0	0	10988	
AKU0505					MATANUSKA-SU	TALKEETNA RIV	62 21.9	149 46.9	IS	320000	31000	149000	149000	0	73.749	
5 DFC I					UNDEVELOPED		1790	6072.0		90.9	31000	149000	149000	0		

FM 2 ID NO	ACTV DEP	FILE CODE	STATUS	PROJECT NAME	PRIMARY CO. -NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	ANUL. COST	ERC ECONOMIC
					OWNER	DR. AREA	DR. AREA	MX. STOR.	MX. STOR.	INC. CAP.	INC. CAP.	ANUL. COST	ERC ECONOMIC	
						(D M.M)	(D M.M)	(AC FT)	(AC FT)	(KW)	(KW)	(1000 \$)	(1000 \$)	(SEQUENCE RANK)
						(SQ. MI)	(SQ. MI)	(CFS)	(CFS)	(MWH)	(MWH)	(MWH)	(MWH)	(SEQUENCE RANK)
AK6NPA0216				TALKEETNA 2	TALKEETNA RIV	62 28.0	149 22.0	H	375.0	0	0	0	9487.0	2004
AKU0506				MATANUSKA-SU	TALKEETNA RIV	62 28.0	149 22.0	IS	369.6	90000	90000	406446	23.341	2027
2 DFC I				UNDEVELOPED		850	1650.0			90000	90000	406446		2002
AK6NPA0218				TOKTCHITNA										
AKU0513				MATANUSKA-SU	CHULITNA RIVE	62 33.9	150 11.9	H	235.0	0	0	0	22281	
6 DFC I				UNDEVELOPED		2560	8654.0	IS	185.8	184000	184000	806000	27.644	
AK7NPA0219				TRAPPER										
AKU0515				MATANUSKA-SU	TALKEETNA RIV	62 32.9	149 3.0	H	250.0	0	0	0	10160	
5 DFC I				UNDEVELOPED		760	1573.0	IS	244.7	45000	45000	216000	47.40	
AK7NPA0220				VFE USRR PROPOSAL										
AKU0521				MATANUSKA-SU	SUSITNA RIVER	62 42.0	147 32.0	H	425.0	0	0	0	31686	
6 DFA E				UNDEVELOPED		4140	6533.0	SI	2830000	646609	646609	1230222	25.756	
AK6NPA0222				MATANA NPA PROPOSAL										
AKU0523				MATANUSKA-SU	SUSITNA RIVER	62 48.9	148 30.9	HRC	810.0	0	0	0	62568	1004
2 DFC D				UNDEVELOPED		5180	8137.0	FP	9839000	792000	792000	3480000	17.979	1020
AK6NPA0221				MATANA USRR PROPOSAL										
AKU0522				MATANUSKA-SU	SUSITNA RIVER	62 48.9	148 30.9	H	440.0	0	0	0	33650	1005
6 DFC E				UNDEVELOPED		5180	8343.0	IS	3500000	478000	478000	7000000	4.8072	
AK6NPA0223				WHISKERS										
AKU0524				MATANUSKA-SU	SUSITNA RIVER	62 28.0	150 7.9	H	140.0	0	0	0	16834	
5 DFC D				UNDEVELOPED		6320	10360.0	IS	58.9	84000	84000	368000	45.744	
AK6NPA0224				YENTNA										
AKU0527				MATANUSKA-SU	YENTNA RIVER	61 36.9	150 32.0	H	120.0	0	0	0	36940	2018
2 DFC D				UNDEVELOPED		6400	17611.0	IS	81.9	219000	219000	960000	38.479	2030
AK6NPA0391				ANVIK RIVER										
AKU0317				NOME	ANVIK RIVER	62 43.0	160 26.9	H	125.0	0	0	0	5995.6	
5 DFC I				UNDEVELOPED		2400	130.0	IS	75.0	1400	1400	59500	100.76	



FM 2 ID NO	PROJECT NAME	DR AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	INC. ENRGY	ANNUAL COST	ERC ECONOMIC
FILE	STATUS	(D M M)	(D M M)	(S M M)	AVE. 0	(FT)	(MW)	(MW)	(1000 \$)	(3/MW)	(SEQUENCE RANK)	(SEQUENCE RANK)
AK6NPA0226	KUZITRIN RIVER	65 13.0	166 0.9	1790	H	120.0	0	67000	0	11284	1015	1014
5 DFC I	UNDEVELOPED				IS	94.9	14000	67000	168.43			
AK7NPA0227	SALMON LAKE	64 54.9	165 0.0		H	65.0	0	24000	0	3007.4		
AKU0383	NONE				IS	0	5000	24000	125.50			
5 DFC	UNDEVELOPED					154.8	5000	24000				
AK6NPA0228	TUKSUK	65 13.8	166 1.4		H	190.0	0	289000	0	14161		
AKU0384	NONE				IS	0	66000	289000	49.2			
5 DFC I	UNDEVELOPED					186.8	66000	289000				
AK7NPA0244	BADGER BAY LAKE	55 13.0	130 45.9		H	56.0	0	20000	0	1125.7		
AKU0238	OUTER KETCHI				IS	35000	3300	20000	56.286			
5 DFC I	UNDEVELOPED					329.6	3300	20000				
AK7NPA0245	RAKEWELL ARM	55 18.9	130 41.9		H	35.0	0	21000	0	1464.4		
AKU0239	OUTER KETCHI				IS	35000	3300	21000	69.736			
5 DFC I	UNDEVELOPED					164.8	3300	21000				
AK7NPA0246	CHECATS	55 29.0	130 48.9		H	40.0	0	37410	0	1880.3		
AKU0254	OUTER KETCHI				IS	54000	8500	37410	50.263			
6 DFC I	UNDEVELOPED					699.3	8500	37410				
AK6NPA0097	CHESTER LAKE	55 7.1	131 31.6		H	12.0	0	5221	0	254.55		
AKU0015	OUTER KETCHI				OP	300	2500	5221	48.755			
2 DFC I	METLAKATLA POWER & LIGHT					749.2	2500	5221				
AK6NPA0247	CHICKAMIN RIVER	56 0.0	130 37.3		H	70.0	0	727000	0	9723.9		
AKU0256	OUTER KETCHI				IS	0	150000	727000	13.375			
6 DFC I	UNDEVELOPED					227.7	150000	727000				
AK7NPA0248	DAVIS RIVER	55 45.3	130 10.3		H	300.0	0	131000	0	5888.8		
AKU0268	OUTER KETCHI				IS	0	28000	131000	44.953			
6 DFC I	UNDEVELOPED					366.6	28000	131000				

FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
CODE	CODE	CODE	CODE	CODE	NAME OF STREAM	OR AREA	OR AREA	(D M M)	(D M M)	STATUS	MX. STOR.	AVE. Q	WPR. HD.	TOT. ENRGY	ENERGY COST	ERC COMPOSITE
						(SQ. MI)	(SQ. MI)	(FT)	(FT)	(CFS)	(AC FT)	(KW)	(MW)	(1000 \$)	(S/MWH)	(SEQUENCE RANK)
																(SEQUENCE RANK)
AK7NPA0229	AKU0117	5	DFC I	UNDEVELOPED	EAGLE LAKE	56 0.0	131 25.0	45	15000	443.0	5.0	2000	9500	0	1199.3	
					OUTER KETCHI				284.7			2000	9500	0	126.24	
					UNDEVELOPED											
AK7NPA0250	AKU0288	6	DFC I	UNDEVELOPED	GRANITE CREEK	55 40.0	130 55.0	9	60.0	113.0	60.0	8000	39000	0	1534.7	
					OUTER KETCHI				12000			8000	39000	0	39.353	
					UNDEVELOPED				862.1							
AK6NPA0251	AKU0295	5	DFC I	UNDEVELOPED	HIDDEN INLET LAKE	54 58.0	130 22.0	10	150.0	105.0	299.7	5000	20000	0	1852.4	
					OUTER KETCHI				0			5000	20000	0	92.624	
					UNDEVELOPED				299.7			5000	20000	0		
AK6NPA0252	AKU0297	6	DFC I	UNDEVELOPED	HUMBACK LAKE	55 0.9	130 37.9	34	25.0	310.0	299.7	14000	62000	0	2603.4	
					OUTER KETCHI				0			14000	62000	0	41.990	
					UNDEVELOPED				299.7			14000	62000	0		
AK7NPA0230	AKU0122	6	DFC I	UNDEVELOPED	LEDUC RIVER	55 56.0	130 51.0	7	15.0	84.0	1241.0	14000	62000	0	1991.7	
					OUTER KETCHI				61000			14000	62000	0	32.124	
					UNDEVELOPED				1241.0			14000	62000	0		
AK6NPA0231	AKU0130	6	DFC I	UNDEVELOPED	MARTEN ARM LAKE	55 8.0	130 37.0	6	10.0	48.0	509.4	3500	16000	0	966.35	
					OUTER KETCHI				0			3500	16000	0	60.397	
					UNDEVELOPED				509.4			3500	16000	0		
AK6NPA0233	AKU0165	6	DFC I	UNDEVELOPED	PUNCHBOWL LAKE LOWER	55 30.9	130 47.0	12	21.0	153.0	631.3	15000	64376	0	1861.7	
					OUTER KETCHI				0			15000	64376	0	28.920	
					UNDEVELOPED				631.3			15000	64376	0		
AK6NPA0234	AKU0166	6	DFC I	UNDEVELOPED	PUNCHBOWL LAKE UPPER	55 26.0	130 44.0	3	35.0	37.0	1266.7	7000	31234	0	1135.0	
					OUTER KETCHI				0			7000	31234	0	36.340	
					UNDEVELOPED				1266.7			7000	31234	0		
AK7NPA0232	AKU0164	6	DFC I	UNDEVELOPED	PUNCHBOWL CREEK	55 31.9	130 45.9	14	75.0	174.0	621.3	15000	64000	0	2930.2	
					OUTER KETCHI				0			15000	64000	0	45.785	
					UNDEVELOPED				621.3			15000	64000	0		

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	DR. AREA	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	AVE. S	PHR. MD.	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONCONOMIC	TOT. ENRGY	(1000 \$)	ERC COMPOSITE
CODE			(D.M.M)	(AC FT)	(MWH)	(MWH)	(MWH)	(8/MWH)	(SEQUENCE RANK)	(MWH)	(8/MWH)	(SEQUENCE RANK)
FILE			(SQ.MI)	(FT)	(KW)	(KW)	(KW)		(SEQUENCE RANK)			(SEQUENCE RANK)
STATUS												
AK1NPA0253	PURPLE LAKE		55 3.9	H	24.0	3000	10400	155.34	2004	2001	2001	2009
AK00037	PURPLE LAKE		131 15.9	OP	36700	1400	0	0				
5 DFC I	CITY OF METLAKATLA		7		320.0	4400	2770					
AK7NPA0235	RED LAKE		55 8.0	H	165.0	0	0	4033.5				
AKU0168	OUTER KETCHI		130 30.9	IS	0	24000	104000	38.784				
6 DFC I	UNDEVELOPED		44		346.6	24000	104000					
AK7NPA0236	RUDYERD		55 35.9	H	5.0	0	0	2246.7				
AKU0173	OUTER KETCHI		130 36.0	IS	5000	19000	83000	27.68				
6 DFC I	UNDEVELOPED		8		1673.3	19000	83000					
AK7NPA0237	SAKS COVE		55 58.0	H	125.0	0	0	5538.5				
AKU0178	OUTER KETCHI		131 4.9	IS	0	15000	72000	76.923				
5 DFC I	UNDEVELOPED		22		620.3	15000	72000					
AK6NPA0238	SALMON RIVER		56 02.	H	50.0	0	0	2195.4				
AKU0181	OUTER KETCHI		130 10.0	IS	0	8000	34600	63.451				
5 DFC I	UNDEVELOPED		65		59.9	8000	34600					
AK6NPA0239	SHELDKUM		55 58.0	H	40.0	0	0	2002.4				
AKU0185	OUTER KETCHI		131 37.9	IS	0	10000	50331	39.785				
6 DFC I	UNDEVELOPED		17		349.6	10000	50331					
AK7NPA0240	SHORT CREEK		56 0.0	H	45.0	0	0	2251.2				
AKU0188	OUTER KETCHI		131 30.9	IS	0	10000	46739	48.165				
6 DFC I	UNDEVELOPED		19		324.6	10000	46739					
AK7NPA0241	SPUR		56 9.0	H	25.0	0	0	2108.7				
AKU0193	OUTER KETCHI		131 3.9	IS	27000	24000	105000	20.83				
6 DFC I	UNDEVELOPED		10		1766.0	24000	105000					
AK6NPA0242	WILSON RIVER		58 28.0	H	170.0	0	0	5565.0				
AKU0225	OUTER KETCHI		130 37.0	IS	0	15000	71000	78.581				
5 DFC I	UNDEVELOPED		70		165.8	15000	71000					

PM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL.	COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO. - NAME OF STREAM	DR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NDECONOMIC
CODE	OWNER	(D M M)	AVE. G	PHR. HO.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
FILE		(D M M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ MI)		(FT)	(KW)	(MWH)		(SEQUENCE RANK)
AK7NPA0243	WINSTANLEY	55 24.2	H	50.0	0	0	1476.6	
AKU0226	OUTER KETCHI	130 52.5	IS	344.6	5000	24140	61.170	
5 DFC I	UNDEVELOPED	13		-105.1	5000	24140		
AK7NPA0104	BLACK BEAR LAKE	56 32.9	H	28.0	0	0	976.9	1012
AKU0244	PRINCE OF WA	132 0.5	IS	28900	5000	22000	44.367	1013
2 DFC I	UNDEVELOPED	1		1458.5	5000	22000		1008
AK7NPA0268	KEGAN CREEK	55 1.1	H	20.0	0	0	940.92	
AKU0302	PRINCE OF WA	132 9.2	IS	16600	1300	5600	168.2	
5 DFC I	UNDEVELOPED	9		109.8	1300	5600		
AK7NPA0269	KLAKAS LAKE	55 0.0	H	50.0	0	0	999.88	
AKU0305	PRINCE OF WA	132 22.9	IS	0	2000	10000	99.988	
5 DFC I	UNDEVELOPED	11		119.8	2000	10000		
AK6NPA0271	KUGEL LAKE	55 1.9	H	40.0	0	0	948.88	
AKU0308	PRINCE OF WA	132 15.0	IS	0	4000	19000	49.941	
5 DFC I	UNDEVELOPED	8		426.5	4000	19000		
AK7NPA0395	LAKE MARY	55 26.0	H	30.0	0	0	2106.9	2027
AKU0133	PRINCE OF WA	132 29.0	IS	0	9600	42300	49.809	2023
2 DFC I	UNDEVELOPED	27		264.7	9600	42300		2034
AKJNPA0272	LINKUM	55 31.7	H	7.0	17	45	492.89	
AKO0057	PRINCE OF WA	132 23.9	DP	10	4543	8872	55.551	
6 DFC I	PACIFIC AMERICAN FISH	1		300.0	4560	8917		
AK6NPA0254	LUCK LAKE	55 57.0	H	120.0	0	0	2245.2	
AKU0126	PRINCE OF WA	132 42.9	IS	0	3000	15000	149.68	
5 DFC I	UNDEVELOPED	23		119.8	3000	15000		
AK7NPA0255	MELLEN LAKE	55 12.0	H	35.0	0	0	1250.4	2020
AKU0138	PRINCE OF WA	132 36.0	IS	0	8000	30000	41.682	2018
2 DFC I	UNDEVELOPED	6		864.1	8000	30000		2007

FM 2 ID NO	PROJECT NAME	DR. AREA	LONGITUDE	DAM HT	PROJ. PURP.	STATUS	MX. STOR.	EXIST. CAP.	EXIST. ENRGY	ANNUAL COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. OWNER	(D M M)	(D M M)	(FT)	AVE. Q	(AC FT)	(MW)	INC. CAP.	INC. ENRGY	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	FILE	(S8.MI)	(S8.MI)	(CFS)	(MW)	(MW)	(MW)	TOT. CAP.	TOT. ENRGY	(\$/MWH)	ERC COMPOSITE
CODE	STATUS										(SEQUENCE RANK)
5	DFC I										(SEQUENCE RANK)
AK7NPA0256	MYRTLE CREEK	55 4.3	132 3.8	H	76.0	21.0	0	1200	5700	609.96	
AKU0142	PRINCE OF WA UNDEVELOPED	4	4	IS		5000	1200	5700	5700	107.1	
AK7NPA0257	NECK ISLAND LAKE	56 5.9	133 7.9	H		55.0	0	3000	13580	1492.2	
AKU0147	PRINCE OF WA UNDEVELOPED	18	18	IS	170.0	0	3000	13580	13580	109.88	
AK7NPA0258	NIRIACK LAKE	55 4.9	132 7.9	H		3.0	0	3000	12526	825.14	
AKU0149	PRINCE OF WA UNDEVELOPED	3	3	IS	64.0	2500	3000	12526	12526	65.874	
AK7NPA0259	REYNOLDS CREEK	55 14.0	132 34.9	H		20.0	0	11000	54000	1866.4	
AKU0170	PRINCE OF WA UNDEVELOPED	7	7	IS	75.0	0	11000	54000	54000	34.364	
AK6NPA0260	SALMON LAKE	55 32.9	132 33.9	H		43.0	0	6000	27500	2545.2	
AKU0179	PRINCE OF WA UNDEVELOPED	48	48	IS	459.0	89.9	6000	27500	27500	92.555	
AK6NPA0261	SHIPLEY LAKE	56 4.9	133 30.0	H		45.0	0	1200	4979	814.84	
AKU0187	PRINCE OF WA UNDEVELOPED	6	6	IS	68.0	109.8	1200	4979	4979	163.85	
AK7NPA0262	SUKKWAN LAKE	55 2.3	132 45.3	H		40.0	0	2300	10000	779.15	
AKU0195	PRINCE OF WA UNDEVELOPED	7	7	IS	-36.3	409.5	2300	10000	10000	77.915	
AK6NPA0263	SUMMIT LAKE	55 34.9	132 33.9	H		20.0	0	2000	9680	597.79	
AKU0197	PRINCE OF WA UNDEVELOPED	4	4	IS	37.0	392.6	2000	9680	9680	61.756	
AK7NPA0264	THORNE RIVER	55 42.0	132 37.9	H		25.0	0	17000	80000	3826.7	
AKU0209	PRINCE OF WA UNDEVELOPED	166	166	IS	1518.0	102.8	17000	80000	80000	47.834	

FM 2 ID NO	PROJECT NAME	ACTV DEP	FILE	STATUS	PRIME CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC											
FM 1 ID NO	OWNER	CODE	DR. AREA	(D M.M)	(D M.M)	(SQ. MI)	(CFS)	(AC FT)	(FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	ERC NON-ECONOMIC										
FILE	STATUS	PRIME CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	FILE	STATUS	PRIME CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
AK7NPA0265	WATERFALL LAKE	I	54 58.2	133 6.0	H	30.0	0	0	0	0	0	0	0	0	598.57												
AKU0218	PRINCE OF WA	I	54 58.2	133 6.0	H	30.0	0	0	0	0	0	0	0	0	598.57												
5	UNDEVELOPED														60.413												
AK7NPA0266	WEIGLE LAKE	I	55 3.9	132 11.4	H	52.0	0	0	0	0	0	0	0	0	899.43												
AKU0219	PRINCE OF WA	I	55 3.9	132 11.4	H	52.0	0	0	0	0	0	0	0	0	899.43												
5	UNDEVELOPED														51.467												
AKINPA0285	CODPER LAKE DAM	I	60 26.0	149 49.1	H	65.0	0	0	0	0	0	0	0	0	0												
AK00001	SEWARD	I	60 26.0	149 49.1	H	65.0	0	0	0	0	0	0	0	0	0												
5	UNDEVELOPED														41000												
AK7NPA0273	CRESCENT LAKE 2	I	60 40.0	149 29.0	H	11.0	0	0	0	0	0	0	0	0	1667.6												
AKU0220	SEWARD	I	60 40.0	149 29.0	H	11.0	0	0	0	0	0	0	0	0	1667.6												
5	UNDEVELOPED														57.506												
AK7NPA0274	GRANT LAKE	I	60 28.0	149 21.0	H	50.0	0	0	0	0	0	0	0	0	2275.7												
AKU0231	SEWARD	I	60 28.0	149 21.0	H	50.0	0	0	0	0	0	0	0	0	2275.7												
5	UNDEVELOPED														60.242												
AK6NPA0275	JUNEAU	I	60 29.4	149 59.0	H	100.0	0	0	0	0	0	0	0	0	3760.3												
AKU0243	SEWARD	I	60 29.4	149 59.0	H	100.0	0	0	0	0	0	0	0	0	3760.3												
5	UNDEVELOPED														60.215												
AK6NPA0276	KENAI LAKE	I	60 24.0	149 37.0	H	360.0	0	0	0	0	0	0	0	0	24018												
AKU0248	SEWARD	I	60 24.0	149 37.0	H	360.0	0	0	0	0	0	0	0	0	24018												
5	UNDEVELOPED														43.511												
AK6NPA0277	LOST LAKE	I	60 15.9	149 22.0	H	10.0	0	0	0	0	0	0	0	0	959.56												
AKU0260	SEWARD	I	60 15.9	149 22.0	H	10.0	0	0	0	0	0	0	0	0	959.56												
5	UNDEVELOPED														38.382												
AK6NPA0279	NELLIE JUAN RIVER	I	60 27.0	148 47.0	H	195.0	0	0	0	0	0	0	0	0	4048.3												
AKU0273	SEWARD	I	60 27.0	148 47.0	H	195.0	0	0	0	0	0	0	0	0	4048.3												
5	UNDEVELOPED														86.135												

FM 2 ID NO	PROJECT NAME	DR.AREA	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. OWNER	STATUS	AVE. G	MX.STUR.	INC. CAP.	INC.ENERGY	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	DR.AREA	(D M.M)	(AC FT)	(CFS)	(FT)	(KW)	(1000 \$)	(SEQUENCE RANK)
CODE	(D M.M)	(D M.M)	(AC FT)	(CFS)	(FT)	(KW)	(S/MWH)	(SEQUENCE RANK)
FILE	(90.MI)	(90.MI)	(FT)	(CFS)	(FT)	(KW)	(S/MWH)	(SEQUENCE RANK)
STATUS	(90.MI)	(90.MI)	(FT)	(CFS)	(FT)	(KW)	(S/MWH)	(SEQUENCE RANK)
AK7NPA0278	NELLIE JUAN RIVER UPPER	60 24.0	50.0	H	50.0	0	3049.5	
AKU0472	SEWARD	148 49.9	120000	IS	12000	57000	53.500	
5 DFC I	UNDEVELOPED	35	420.5		12000	57000		
AK7NPA0260	PTARMIGAN LAKE PROJECT	60 15.0	80.0	H	0	0	2095.0	
AKU0483	SEWARD	149 11.9	280000	IS	6025	52733	39.728	
5 DFA E	UNDEVELOPED	30	317.6		6025	52733		
AK6NPA0291	RESURRECTION RIVER	60 51.9	270.0	H	0	0	15813	
AKU0485	SEWARD	149 41.9	0	IS	18000	86000	183.87	
5 DFC I	UNDEVELOPED	141	232.7		18000	86000		
AK7NPA0283	SNOW	60 17.9	310.0	H	0	0	8685.5	1011
AKU0495	SEWARD	149 18.0	0	IS	63000	278000	31.242	1012
2 DFC I	UNDEVELOPED	85	652.3		63000	278000		1018
AK6NPA0284	SUNRISE LAKE	60 51.9	400.0	H	0	0	13908	
AKU0502	SEWARD	149 26.9	0	IS	11000	52000	267.46	
5 DFC I	UNDEVELOPED	238	326.6		11000	52000		
AK7NPA0313	ANDFAN LAKE	56 18.9	78.0	H	0	0	738.30	
AKU0234	SITKA	134 47.2	6610	IS	1100	4818	153.23	
5 DFC I	UNDEVELOPED	2	874.1		1100	4818		
AK7NPA0314	ANTLER LAKE	58 46.9	56.0	H	0	0	1408.2	
AKU0236	SITKA	134 30.0	30120	IS	9000	43000	32.749	
6 DFC I	UNDEVELOPED	5	1850.0		9000	43000		
AK7NPA0315	BARANOF LAKE	57 9.0	60.0	H	0	0	1518.1	
AKU0240	SITKA	134 52.9	0	IS	2000	11000	138.1	
5 DFC I	UNDEVELOPED	32	107.8		2000	11000		
AK7NPA0316	HATURIN LAKE	56 24.0	5.0	H	0	0	569.77	
AKU0241	SITKA	134 48.0	13000	IS	1400	54351	10.483	
6 DFC I	UNDEVELOPED	3	1098.9		1400	54351		







FM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CD.	NAME OF STREAM	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG.	ANUL. COST	ERC ECONOMIC
6 DFC I													
AK6NPA0333				HIDDEN FALLS LAKES			57 13.0	H	0	0	0	1434.5	
AK6NPA0293				UNNAMED CREEK			57 13.0	H	0	0	0	39.543	
AK6NPA0334				HIDDEN FALLS LAKE UPPER			57 13.0	H	0	0	0	783.83	
AK6NPA0294				UNNAMED			134 52.9	IS	0	0	0	39.424	
6 DFC D				UNDEVELOPED			2		4500	19882	19882		
AK7NPA0335				KASNYKU LAKE			57 11.0	H	0	0	0	1248.8	
AK7NPA0299				UNNAMED			134 49.9	IS	0	0	0	41.626	
2 DFC I				UNDEVELOPED			5		7000	30000	30000		
AK7NPA0336				KELP			57 20.9	H	0	0	0	4273.7	
AK7NPA0303				UNNAMED			135 4.9	IS	0	0	0	64.738	
5 DFC I				UNDEVELOPED			21		16000	66000	66000		
AK7NPA0337				LAKP EKATERINA			56 50.9	H	0	0	0	856.85	
AK7NPA0312				UNNAMED			135 3.3	IS	0	0	0	190.41	
5 DFC I				UNDEVELOPED			15		1000	4500	4500		
AK6NPA0289				LAKP IRINA			56 55.0	H	0	0	0	776.41	
AK7NPA0120				UNNAMED			135 7.9	IS	0	0	0	81.900	
5 DFC I				UNDEVELOPED			1		1905	9479	9479		
AK7NPA0291				MAKSOUTOF RIVER			56 30.0	H	0	0	0	2747.1	
AK7NPA0129				UNNAMED			134 57.9	IS	0	0	0	23.479	
2 DFC I				UNDEVELOPED			24		24000	117000	117000		
AK7NPA0294				MILK LAKE			56 58.0	H	0	0	0	1290.3	
AK7NPA0140				UNNAMED			134 47.0	IS	0	0	0	39.101	
2 DFC I				UNDEVELOPED			11		7000	33000	33000		
AK7NPA0295				NAKVASSIN LAKE			56 27.0	H	0	0	0	718.22	
AK7NPA0145				UNNAMED			134 44.0	IS	0	0	0	93.409	
5 DFC I				UNDEVELOPED			4		1800	7689	7689		

FM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	DR.AREA	AVE. Q	PMR. HD.	TOT. CAP.	TOT.ENERG		ERC COMPOSITE
CODE	(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS	(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		(SEQUENCE RANK)
AK6NPA0296	NELSON LAKE	H	40.0	0	0	1178.7	
AKU0148	SITKA	IS	0	5600	24800	47.529	
6 DFC I	UNDEVELOPED		439.5	5600	24800		
AK7NPA0297	OSPEY LAKE	H	38.0	0	0	694.45	
AKU0153	SITKA	IS	23000	2000	9260	74.994	
5 DFC I	UNDEVELOPED		251.7	2000	9260		
AK7NPA0298	PARRY LAKE	H	45.0	0	0	1210.7	
AKU0154	SITKA	IS	0	5000	23967	50.515	
6 DFC I	UNDEVELOPED		374.6	5000	23967		
AK6NPA0299	PATTERSON	H	10.0	0	0	836.55	
AKU0155	SITKA	IS	0	4000	17750	47.129	
5 DFC I	UNDEVELOPED		429.5	4000	17750		
AK7NPA0300	PELICAN CREEK	H	22.0	500	2000	128.36	
AKU0043	SITKA	OP	200	1000	1700	75.507	
2 DFC I	PELICAN UTIL. CO.		120.0	1500	3700		
AK7NPA0300	PLONTKOF LAKE	H	75.0	0	0	2098.8	
AKU0160	SITKA	IS	0	9000	44000	47.702	
6 DFC I	UNDEVELOPED		314.6	9000	44000		
AK6NPA0303	POINT SULLIVAN	H	45.0	0	0	542.46	
AKU0163	SITKA	IS	0	2000	9653	56.196	
6 DFC I	UNDEVELOPED		1448.5	2000	9653		
AK7NPA0302	PORT ARMSTRONG	H	26.0	0	0	1047.0	
AKU0162	SITKA	IS	18000	3500	15782	66.344	
5 DFC I	UNDEVELOPED		269.7	3500	15782		
AK7NPA0292	PULP MILL	H	30.0	0	0	688.95	
AKU0135	SITKA	IS	0	1500	7400	93.101	
5 DFC I	UNDEVELOPED		209.7	1500	7400		

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PM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
5	DEC I	UNDEVELOPED	UNDEVELOPED	UNNAMED CASCA	SITKA	REDUBT LAKE	UNDEVELOPED	56 56.0	135 15.9	H	12.0	0	0	2021.1	ERC ECONOMIC
5	DEC I	UNDEVELOPED	UNDEVELOPED	POSTISLOF LAKE	SITKA	POSTISLOF CREEK	UNDEVELOPED	56 26.2	134 41.3	H	20.0	0	0	1815.8	ERC ECONOMIC
5	DEC I	UNDEVELOPED	UNDEVELOPED	RUST LAKE 2	SITKA	RUST CREEK	UNDEVELOPED	57 35.9	135 59.0	H	3.0	0	0	1323.7	ERC ECONOMIC
5	DEC I	UNDEVELOPED	UNDEVELOPED	SADTE	SITKA	WAXMAN CREEK	UNDEVELOPED	57 4.9	134 48.9	H	10.0	0	0	675.69	ERC ECONOMIC
5	DEC I	UNDEVELOPED	UNDEVELOPED	SASHIN LAKE	SITKA	SASHIN CREEK	UNDEVELOPED	56 21.3	134 41.3	H	15.0	0	0	707.6	ERC ECONOMIC
5	DEC I	UNDEVELOPED	UNDEVELOPED	SHECKLEY	SITKA	SHECKLEY CR	UNDEVELOPED	56 17.9	134 41.9	H	15.0	28	254	0	ERC ECONOMIC
5	DEC I	UNDEVELOPED	UNDEVELOPED	SULOIA LAKE	SITKA	SULOIA CREEK	UNDEVELOPED	57 25.0	135 41.9	H	10.0	0	0	964.82	ERC ECONOMIC
5	DEC I	UNDEVELOPED	UNDEVELOPED	SUPERIOR	SITKA	HARLFY CREEK	UNDEVELOPED	57 47.1	135 5.1	H	5.0	10	43	407.80	ERC ECONOMIC
5	DEC I	UNDEVELOPED	UNDEVELOPED	TAKATZ CREEK	SITKA	TAKATZ CREEK	UNDEVELOPED	57 6.9	134 51.0	H	205.0	0	0	3344.6	ERC ECONOMIC
AKU0169	5	DEC I	UNDEVELOPED	UNNAMED CASCA	SITKA	REDUBT LAKE	UNDEVELOPED	56 56.0	135 15.9	H	12.0	0	0	2021.1	ERC ECONOMIC
AKU0172	5	DEC I	UNDEVELOPED	POSTISLOF LAKE	SITKA	POSTISLOF CREEK	UNDEVELOPED	56 26.2	134 41.3	H	20.0	0	0	1815.8	ERC ECONOMIC
AK6NPA0306	6	DEC 0	UNDEVELOPED	RUST LAKE 2	SITKA	RUST CREEK	UNDEVELOPED	57 35.9	135 59.0	H	3.0	0	0	1323.7	ERC ECONOMIC
AK6NPA0307	6	DEC I	UNDEVELOPED	SADTE	SITKA	WAXMAN CREEK	UNDEVELOPED	57 4.9	134 48.9	H	10.0	0	0	675.69	ERC ECONOMIC
AK7NPA0308	7	DEC I	UNDEVELOPED	SASHIN LAKE	SITKA	SASHIN CREEK	UNDEVELOPED	56 21.3	134 41.3	H	15.0	0	0	707.6	ERC ECONOMIC
AK8NPA0341	8	DEC I	UNDEVELOPED	SHECKLEY	SITKA	SHECKLEY CR	UNDEVELOPED	56 17.9	134 41.9	H	15.0	28	254	0	ERC ECONOMIC
AK7NPA0309	7	DEC I	UNDEVELOPED	SULOIA LAKE	SITKA	SULOIA CREEK	UNDEVELOPED	57 25.0	135 41.9	H	10.0	0	0	964.82	ERC ECONOMIC
AK8NPA0286	8	DEC I	UNDEVELOPED	SUPERIOR	SITKA	HARLFY CREEK	UNDEVELOPED	57 47.1	135 5.1	H	5.0	10	43	407.80	ERC ECONOMIC
AK7NPA0311	7	DEC I	UNDEVELOPED	TAKATZ CREEK	SITKA	TAKATZ CREEK	UNDEVELOPED	57 6.9	134 51.0	H	205.0	0	0	3344.6	ERC ECONOMIC



FM 2 ID NO	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG MANUL. COST	ERC ECONOMIC
FM 1 ID NO	NAME OF STREAM		DR. AREA	MX. STOR.	STATUS	AVE. Q	INC. CAP.	INC. ENERGY	ERC NON-ECONOMIC
ACTV DEP			(D M.M)	(AC FT)		(CFS)	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
CODE			(90 MI)	(FT)		(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
FILE						(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
STATUS						(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
AK6NPA0352	WOOD LAKE	SKAGWAY-YAKU	58 34.9	136 27.9	H	35.0	0	0	1120.7
5	UNDEVELOPED		10	100.0	IS	199.8	3000	13315	84.172
AK7NPA0353	YUKON-TAIYA		59 33.9	135 19.9	H	100.0	0	0	69448
AKU0229	TAIYA	SKAGWAY-YAKU	135 19.9	25700	IS	2100000	3200000	21000000	3.3070
6	UNDEVELOPED		25700	18647.0	IS	1911.0	3200000	21000000	
AK6NPA0360	RIG DELTA		64 9.3	145 3.0	H	120.0	0	0	30344
AKU0318	TANANA RIVER	S.E. FAIRBAN	145 3.0	15300	IS	98.9	226000	987000	30.744
6	UNDEVELOPED		15300	17266.0	IS		226000	987000	
AK6NPA0361	CATHEDRAL BLUFFS		63 23.2	143 44.3	H	160.0	0	0	15820
AKU0323	TANANA RIVER	S.E. FAIRBAN	143 44.3	8550	IS	145.8	158000	693000	22.829
6	UNDEVELOPED		8550	8011.0	IS		158000	693000	
AK7NPA0362	CHISANA RIVER		62 16.9	142 7.9	H	200.0	0	0	11028
AKU0326	CHISANA RIVER	S.E. FAIRBAN	142 7.9	732	IS	51000	170000	797000	13.837
6	UNDEVELOPED		732	600.0	IS	882.1	170000	797000	
AK6NPA0363	GOODPASTER		64 30.0	144 30.0	H	200.0	0	0	8125.6
AKU0335	GOODPASTER RI	S.E. FAIRBAN	144 30.0	517	IS	36000	13000	56250	144.45
5	UNDEVELOPED		517	497.0	IS	169.8	13000	56250	
AK6NPA2615	JOHNSON		63 43.2	144 37.0	H	140.0	0	0	18118
AKU0343	TANANA RIVER	S.E. FAIRBAN	144 37.0	10450	IS	65000	210000	920000	19.694
6	UNDEVELOPED		10450	10800.0	IS	148.8	210000	920000	
AK6NPA2631	NARPSNA		62 45.5	142 10.0	H	200.0	0	0	12595
AKU0352	NARPSNA RIVER	S.E. FAIRBAN	142 10.0	2145	IS	65000	66000	320000	39.360
5	UNDEVELOPED		2145	1300.0	IS	190.8	66000	320000	
AK7NPA2633	ROCK LAKE		61 57.0	141 19.9	H	30.0	0	0	3285.9
AKU0356	PTARIGAN CREEK	S.E. FAIRBAN	141 19.9	93	IS	65000	12000	58000	56.654
5	UNDEVELOPED		93	193.0	IS	513.4	12000	58000	



FM 2 ID NO	PROJECT NAME	STREAM	LATITUDE	PRJ.PURP.	DAM HT	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME	NAME OF STREAM	LONGITUDE	STATUS	MX.STOR.	INC. CAP.	INC. ENRG	ERC COMPOSITE
ACTV DEP	OWNER	DR. AREA	(D M.M)	AVE. 0	PMR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)
CODE		(D M.M)	(FT)	(KW)	(MHH)	(MHH)	(MHH)	(\$/MHH)
FILE		(S0.MI)	(AC FT)	(KW)	(MHH)	(MHH)	(MHH)	(SEQUENCE RANK)
STATUS		(S0.MI)	(PT)	(KW)	(MHH)	(MHH)	(MHH)	(SEQUENCE RANK)
AK6NPA0372	ZIMMERMAN	UNNAMED	67 0.0	H	190.0	0	0	14833
AKU0367	UPPER YUKON	UNNAMED	147 4.3	IS	2070.0	44000	210000	70.635
5 DFC D	UNDEVELOPED		5500		168.8	44000	210000	
AK6NPA2619	PORCUPINE	PORCUPINE RIV	67 19.2	H	340.0	0	0	29496
AKU0354	UPPER YUKON	PORCUPINE RIV	141 25.0	IS	65000	530000	2320000	12.714
6 DFC I	UNDEVELOPED		23400		312.6	530000	2320000	
AK7NPA0001	ALLTSON CREEK	ALLTSON CREEK	61 7.1	H	1.0	0	0	837.10
AKU0391	VALDEZ-CHIT	ALLTSON CREEK	146 10.2	IS	1980	4000	18000	46.505
2 DFC I	UNDEVELOPED		5		1169.8	4000	18000	
AK6NPA0374	GAKONA SITE	COPPER RIVER	62 26.0	H	280.0	0	0	27476
AKU0429	VALDEZ-CHIT	COPPER RIVER	145 40.0	IS	6072.0	150000	727000	37.793
6 DFC I	UNDEVELOPED		3935		265.7	150000	727000	
AK6NPA0373	GERSTLE	TANANA RIVER	63 49.9	H	100.0	0	0	19924
AKU0334	VALDEZ-CHIT	TANANA RIVER	144 48.0	IS	950000	100000	438000	45.490
5 DFC D	UNDEVELOPED		10700		58.9	100000	438000	
AK6NPA0378	GULKANA RIVER UPPER	GULKANA RIVER	62 27.0	H	150.0	0	0	4975.5
AKU0437	VALDEZ-CHIT	GULKANA RIVER	145 30.0	IS	2622.0	9000	45000	110.56
5 DFC D	UNDEVELOPED		1770		123.8	9000	45000	
AK7NPA0375	GULKANA RIVER LOWER	GULKANA RIVER	62 34.9	H	50.0	0	0	4713.4
AKU0434	VALDEZ-CHIT	GULKANA RIVER	145 29.0	IS	2760.0	9000	42000	112.22
6 DFC D	UNDEVELOPED		1850		231.7	9000	42000	
AK7NPA0376	GULKANA RIVER WEST	GULKANA RIVER WEST	62 34.9	H	80.0	0	0	5700.2
AKU0435	VALDEZ-CHIT	W FORK GULKANA	146 4.9	IS	607.0	14000	69000	82.612
5 DFC D	UNDEVELOPED		398		191.8	14000	69000	
AK7NPA0377	GULKANA RIVER	GULKANA RIVER	62 34.9	H	200.0	0	0	10597
AKU0436	VALDEZ-CHIT	GULKANA RIVER	145 56.0	IS	404.5	34000	164000	64.619
5 DFC I	UNDEVELOPED		575		856.0	34000	164000	

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FM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERGANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. -NAME OF STREAM	STATUS	MX.STOR.	INC. CAP.	INC.ENERGY*ENERGY COST*	ERC NONECONOMIC*
ACTV DEP	OWNER	AVE. 0	PHR. MD.	TOT. CAP.	TOT.ENERGY*	ERC COMPOSITE*
CODE	DR.AREA	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE	(D M.M)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS	(90.MI)	(FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
AK6NPA0392	CHITLNAK RIVER UPPER	H	145.0	0	0	4809.2
AKU0327	WADE HAMPTON	IS	0	2000	11000	437.20
5 DFC I	ATCHUILNK RIV	IS	193.0	2000	11000	
AK7NPA0310	THOMAS BAY	H	3.0	0	0	4016.4
AKU0199	WRANGELL-PET	IS	97500	50000	217417	18.473
2 DFC I	UNDEVELOPED	IS	1443.5	50000	217417	
AK7NPA0412	AARON	H	100.0	0	0	3386.9
AKU0230	WRANGELL-PET	IS	94000	12000	58000	58.396
5 DFC I	UNDEVELOPED	IS	117.8	12000	58000	
AK7NPA0413	ANAN CREEK	H	169.0	0	0	4646.7
AKU0233	WRANGELL-PET	IS	170000	7000	33000	140.61
5 DFC I	UNDEVELOPED	IS	239.7	7000	33000	
AK6NPA0414	ANITA	H	68.0	0	0	772.64
AKU0235	WRANGELL-PET	IS	16750	3230	14150	54.603
2 DFC I	UNDEVELOPED	IS	1005.9	3230	14150	
AK6NPA0415	BRADFELD RIVER NORTH	H	150.0	0	0	8544.5
AKU0248	WRANGELL-PET	IS	0	27000	131000	65.225
5 DFC I	UNDEVELOPED	IS	156.8	27000	131000	
AK7NPA0416	HURNETT LAKE	H	35.0	0	0	874.60
AKU0250	WRANGELL-PET	IS	33000	3000	12290	71.164
5 DFC I	UNDEVELOPED	IS	229.7	3000	12290	
AK0NPA2605	CRITTENDEN CREEK	H	10.0	0	0	926.85
AKU0264	WRANGELL-PET	IS	151	1850	8128	114.3
5 DFC I	UNDEVELOPED	IS	119.8	1850	8128	
AKJNPA0423	CRYSTAL LAKE	H	25.0	2400	9800	150.41
AK00049	WRANGELL-PET	NP	5000	1400	0	0
5 DFC I	CITY OF PETTUSBURG	NP	1200.0	3800	6800	
			16.0	3800	6800	
			1010			
			1004			
			1021			

FM 2 ID NO	PROJECT NAME	DR. AREA	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG MANUL. COST	ERC ECONOMIC
FM 1 TO NO	PRIMARY CO. - NAME OF STREAM	DR. AREA	LONGITUDE	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRGY ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	(D M. M)	(D M. M)	(D M. M)	AVE. Q	PRR. HD.	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
CODE		(90. MI)	(90. MI)	(90. MI)	(CFS)	(FT)	(MW)	(1000 \$)	(SEQUENCE RANK)
FILE					(AC FT)	(MW)	(MW)	(\$/MWH)	(SEQUENCE RANK)
STATUS					(FT)	(MW)	(MW)		(SEQUENCE RANK)
AK7NPA0417	FALLS LAKE	57 1.1	132 45.1	132 45.1	H	50.0	44000	3458.6	2002
AKU0276	WRANGELL-PET	132 45.1	20	20	IS	102000	44000	18.203	2005
2	DFC E	20				906.0	190000		2005
AK7NPA0418	FARRAGUT RIVER	57 28.0			H	100.0	0	6156.3	
AKU0277	WRANGELL-PET	132 57.9			IS	0	37000	37.769	
6	DFC I	64				492.5	163000		
AK6NPA0419	GOAT	56 38.0			H	65.0	0	2586.0	
AKU0283	WRANGELL-PET	132 0.0			IS	0	20000	29.725	
6	DFC I	14				1034.9	87000		
AK7NPA0301	HARDING RIVER	56 16.1			H	190.0	0	5137.6	
AKU0296	WRANGELL-PET	131 38.9			IS	20000	18000	60.443	2034
2	DFC I	63				259.7	85000		2036
AK6NPA0420	HUGHTON	57 23.0			H	200.0	0	4803.3	
AKU0296	WRANGELL-PET	133 8.9			IS	0	31000	39.318	
6	DFC I	39				456.5	136000		
AK7NPA0421	KATETE RIVER	56 32.9			H	125.0	0	5021.3	
AKU0300	WRANGELL-PET	131 45.9			IS	0	21000	50.720	
5	DFC I	73				248.7	99000		
AK7NPA0424	KEKII	56 44.1			H	5.0	30	0	
AKU0050	WRANGELL-PET	133 41.9			OP	500	0	0	
6	DFC I	8				127.0	120		
AK6NPA0070	KIUNK LAKE	56 17.1			H	110.0	0	1235.4	
AKU0235	WRANGELL-PET	132 23.2			IS	36600	2260	124.79	
5	DFC I	8				309.6	9900		
AK6NPA0394	MARTEN CREEK	56 16.9			H	15.0	0	816.46	
AKU0132	WRANGELL-PET	131 51.0			IS	500	4000	48.27	
6	DFC I	3				839.1	17000		





FM 2 ID NO	PROJECT NAME	PRIMRY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG/ANUL.	COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	AVE. G	MPHR. HD.	MY. STOR.	INC. CAP.	INC. ENRG/ANUL.	ENERGY COST	ERC NON-ECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)
FILE	(D M.M)	(D M.M)	(80 MI)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
STATUS	(80 MI)	(80 MI)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
AK6NPA2611	RIUSKANSRA	H	63 24.0	275.0	0	0	0	7626.1			
AKU0321	YUKON-KOYUKU	IS	148 30.0	65000	36000	160000	160000	47.663			
5 DFC D	UNDEVELOPED		650	1139.0	211.7	36000	160000				
AK6NPA0428	CARI U	H	63 40.0	205.0	0	0	0	5478.5			
AKU0322	YUKON-KOYUKU	IS	148 48.9	65000	30000	840000	840000	6.5220			
5 DFC D	UNDEVELOPED		650	1141.0	211.7	30000	840000				
AK6NPA2612	DULRI	H	65 24.0	120.0	0	0	0	44218			
AKU032A	YUKON-KOYUKU	IS	156 23.9	65000	244000	1070000	1070000	41.326			
5 DFC I	UNDEVELOPED		25700	26500.0	67.9	244000	1070000				
AK6NPA0429	FRY ISLAND	H	65 43.7	70.0	0	0	0	25650			
AKU0333	YUKON-KOYUKU	IS	154 56.3	65000	114000	622000	622000	41.238			
5 DFC I	UNDEVELOPED		19950	19320.0	53.9	114000	622000				
AK6NPA0430	HEALY	H	63 48.9	296.0	0	0	0	9943.2			
AKU0336	YUKON-KOYUKU	IS	148 56.9	65000	133000	581000	581000	17.114			
6 DFC D	UNDEVELOPED		1900	3695.0	290.7	133000	581000				
AK6NPA2614	HUGHES	H	66 0.0	100.0	0	0	0	22524			
AKU0338	YUKON-KOYUKU	IS	154 16.0	65000	110000	482000	482000	46.730			
5 DFC D	UNDEVELOPED		18700	16900.0	48.9	110000	482000				
AK7NPA2622	JACK RIVER	H	63 19.7	385.0	0	0	0	20034			
AKU0339	YUKON-KOYUKU	IS	148 43.3	65000	28750	125000	125000	160.27			
5 DFC I	UNDEVELOPED		135	405.0	28750	125000	125000				
AK6NPA2623	JACK WHITE	H	66 54.0	150.0	0	0	0	8479.8			
AKU0340	YUKON-KOYUKU	IS	152 25.0	65000	65000	315000	315000	26.920			
6 DFC I	UNDEVELOPED		6700	4140.0	135.8	65000	315000				
AK6NPA2624	JIM RIVER	H	66 46.8	110.0	0	0	0	2432.0			
AKU0341	YUKON-KOYUKU	IS	151 11.2	65000	9000	43000	43000	56.559			
5 DFC I	UNDEVELOPED		470	442.0	9000	43000	43000				



FM 2 ID NO	PROJECT NAME	PRJ. PURP.	DAM HT	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME	STATUS	MX STOR.	INC. CAP.	INC. ENRG	ENERGY COST
ACTV DEP	OWNER	AVE. G	PNR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)
CODE	DR. AREA	(D M.M)	(AC FT)	(KW)	(MWH)	(\$/MWH)
FILE	(D M.M)	(FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
STATUS	(SD.MI)	(CFS)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
AK6NPA2620	RAMPART	H	565.0	0	0	845203
AKU0355	YUKON RIVER	IS	65000	5040000	34200000	24.713
6	DFC I	UNDEVELOPED	112000.0	5040000	34200000	
AK6NPA2621	RIHIV	H	80.0	0	0	159812
AKU0357	YUKON RIVER	IS	65000	460000	6400000	24.970
6	DFC D	UNDEVELOPED	150000.0	460000	6400000	
AK6NPA0431	TEKLANIKA	H	470.0	0	0	16125
AKU0361	YUKON RIVER	IS	690.0	57000	272000	59.285
5	DFC I	UNDEVELOPED	456.5	57000	272000	
AK6NPA0432	TOTALNIKA RIVER	H	430.0	0	0	9702.7
AKU0362	YUKON RIVER	IS	440.0	24000	114000	85.112
5	DFC I	UNDEVELOPED	419.5	24000	114000	
AK6NPA0433	VACHON ISLAND	H	120.0	0	0	60163
AKU0363	YUKON RIVER	IS	95.9	426000	2050000	29.348
6	DFC I	UNDEVELOPED	35880.0	426000	2050000	
AK6NPA0434	WALKER CREEK	H	200.0	0	0	22970
AKU0364	YUKON RIVER	IS	165.8	35000	166000	138.37
5	DFC I	UNDEVELOPED	4554.0	35000	166000	
AK6NPA0435	YANFRT NO 2	H	250.0	0	0	17231
AKU0366	YUKON RIVER	IS	231.7	62000	298000	57.824
5	DFC D	UNDEVELOPED	2305.0	62000	298000	



PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF ARIZONA

Table with columns for Capacity Ranges (5 MW, 10 MW, 15 MW, 0.05 MW) and rows for various metrics: NUMBER, CAPACITY, ENERGY, INST, INCR, POTEN, EXIST, UNDEV, TOTAL, CAP, 1, 2, 3, 4. Includes a 'TOTAL' row at the bottom.

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)
COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)





FM 2 ID NO	PROJECT NAME	PRIMRY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	ST. STATUS	AV. Q	MPHR. HD.	MPHR. HD.	MPHR. HD.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
CODE		(D M.M)	(CFS)	(CFS)	(FT)	(AC FT)	(KW)	(MWH)	(MWH)	(1000 \$)	ERC COMPOSITE
FILE		(SQ.MI)					(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS							(KW)	(MWH)	(MWH)		(SEQUENCE RANK)
AZESPL0502	ARIZONA FALLS	MARYCOPA	ARIZONA CANAL	33 29.5	111 57.4	IHS	0	0	0	185.60	
2	SRP					FP	0	700	3000	61.868	
							0	700	3000		
AZCSPL0019	BARTLETT RESERVOIR	MARYCOPA	VERDE RIVER	33 49.1	111 37.8	ISR	203.0	0	0	2097.0	
2	DOI USBR					OP	178000	45000	50000	41.940	
							196.6	45000	50000		4
AZESPL0511	BEARDSLEY CANAL DROP	MARYCOPA	BEARDSLEY CANAL	33 47.	112 16.	IR	0	0	0	204.90	
2	MCNUCD #1					OP	0	1000	2709	75.638	
							77.0	1000	2709		
AZESPL0512	CAP CANAL TURNOUT	MARYCOPA	CAP CANAL(OFF)	33 46.8	112 16.9	IR	0	0	0	302.41	
2	MCNUCK #1					DP	0	2500	6308	47.942	
							150.0	2500	6308		
AZESPL0503	CHANDLER	MARYCOPA	TEMPE CANAL	33 26.2	111 50.8	JHS	0	0	0	199.82	
2	SRP					FP	0	800	3800	52.564	
							18.0	800	3800		
AZKSPLO501	CROSSCUT	MARYCOPA	GRAND CANAL	33 26.3	111 56.7	IHS	0	0	0	0	
2	SRP					IS	0	3000	6200	0	
							116.0	3000	6200		
AZISPL0027	HORSE MESA	MARYCOPA	SALT RIVER	33 35.9	111 20.9	IHSR	270.0	33000	310000	0	
2	DOI USBR					OP	245138	0	0	0	
							262.4	33000	310000		2
							587.0	0	0		
AZLSPLO509	HORSE MESA PUMPED STORAGE	MARYCOPA	SALT RIVER	33 35.9	111 20.9	IHSR	270.0	0	0	0	
2	DOI WPRS					OP	245138	0	0	0	
							0	0	0		
							587.0	0	0		
AZISPL0028	HORMON FLAT	MARYCOPA	SALT RIVER	33 32.9	111 26.0	IHSR	192.0	10000	115000	0	
2	DOI USBR					OP	57852	0	0	0	
							140.1	10000	115000		
							587.0	0	0		

FM 2 ID NO	FM 1 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO. NAME	OWNER	LATITUDE	LONGITUDE	DR AREA	DR AREA (D.M.M)	DR AREA (D.M.M)	DR AREA (80.MI)	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERGY	ANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	ERC (SEQUENCE RANK)	ERC (SEQUENCE RANK)	ERC (SEQUENCE RANK)
AZLSPL0508						NORMON FLAT PUMPED STORAGE	MARCOOPA	DOI WPRS	33 32.9	111 26.0	6030				ISHR	152.0	0	0	0	0	0	0	0	0	0
2						SALT RIVER			587.0						DP	5782	0	0	0	0	0	0	0	0	0
AZESPL0500						SOUTH CONSOLIDATED	MARTCOPA								IHS	0	0	0	0	0	0	0	0	0	0
2						SOUTH CONSOLIDATED									UC	35.0	1400	6200	203.91	32.890	6200	6200	0	0	0
AZCSPL0024						(LAKE PLEASANT) WADDELL	MARTCOPA								IR	256.0	0	0	0	0	0	0	0	0	0
2						AGUA FRIA RIV	MCMUCD '1		80.0	112 16.1	1459				DP	163800	1300	3265	188.65	57.781	3265	3265	0	0	
AZISPL0029						STEWART MOUNT	MARTCOPA								IHSR	125.0	10400	30934	0	0	0	0	0	0	0
2						SALT RIVER	DOI USBR			111 31.9	6211				DP	69765	10400	30934	0	0	0	0	0	0	0
AZ6SPL0510						HUALAPAI HYDRO PROJECT	MUJAVE								H	480.0	0	0	0	0	0	0	0	0	0
2						COLORADO				35 48.	113 33.					82000	1366000	3560000	7.7258	0	0	0	0	0	0
AZ6SPL0033						DIPPING VAY									0	70.0	0	0	0	0	0	0	0	0	0
1						SILVER CREEK				34 22.6	110 1.1				ST	4380	100	802	501.91	625.32	802	802	0	0	0
						+ FISH				140						39.9	100	802	0	0	0	0	0	0	0
AZ6SPL0018						MINERAL CREEK ARCH DAM									C	147.0	0	0	0	0	0	0	0	0	0
1						MINERAL CREEK	KENNECOTT COPPER CORP.			33 13.2	110 59.6				CP	10500	58	310	39.103	125.93	310	310	0	0	0
										92						161.8	58	310	0	0	0	0	0	0	0
AZ6SPL0505						FOSSIL CREEK									H	0	3600	27500	0	0	0	0	0	0	0
2						ARIZONA PUBLIC SERVICE				34 20.9	111 41.9				DP	1075.0	3600	27500	0	0	0	0	0	0	0
AZCSPL0070						MORSESHOE RESERVOIR									ISR	144.0	0	0	0	0	0	0	0	0	0
2						VERDE RIVER	DOI USBR			33 58.8	111 42.6				DP	131000	32000	35000	2040.1	58.289	35000	35000	0	0	0
										5872						124.7	32000	35000	0	0	0	0	0	0	0

FM 2 ID NO	ACTV DEP	FILE STATUS	PROJECT NAME	DR AREA	DR AREA (D M.M)	DR AREA (D M.M)	DR AREA (SQ.MI)	LATITUDE	LONGITUDE	PROJ.PURP.	STATUS	AVE. G	PMR. HD.	TOT. CAP. (KW)	EXIST. CAP. (KW)	INC. CAP. (KW)	TOT. ENERGY (MWH)	EXIST. ENRG MANUL. COST	ENERGY COST (\$/MWH)	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
AZGSPL0506	2	DFC I	IRVING YAVAPAI Fossil Creek	111	37.0	0	0	34	24.0	H	0	0	0	1300	0	0	10200	0	0						
AZCSPL9999	1	5CP	ALAMO RESERVOIR HILL WILLIAMS	113	36.1	4770	0	34	13.9	C	0	0	0	0	0	0	0	35.169	15078						
AZCSPL0072	2	DRC	HEADGATE ROCK	114	30.0	178900	92.0	34	10.0	RI	45.0	20000	9.5	2374	0	0	16015	474.95	29.656						6
AZISPL0071	2	DRC	(LAKE HAVASU) PARKER	114	8.3	178800	-15509.1	34	17.7	HRD	65.0	619500	29.9	120000	0	0	285171	0	0						

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF ARKANSAS

Table with columns for dam ID, number, capacity, energy, and potential capacity ranges (5 MW, 10 MW, 15 MW, 0.05 MW). Includes a legend for installed, incremental, and potential capacity at existing and undeveloped sites.

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)
COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS CAPACITY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF ARKANSAS

POTENTIAL INCREMENTAL CAPACITY RANGES															
	.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL					
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
NUMBER	CAPACITY	ENERGY	NUMBER	CAPACITY	ENERGY	NUMBER	CAPACITY	ENERGY	NUMBER	CAPACITY	ENERGY	NUMBER	CAPACITY	ENERGY	
0-19	0.0*	27.9*	0.0*	0.0*	122*	17.9*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	150*	17.9*
20-49	0.0*	151*	0.0*	0.0*	62*	98.1*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	780*	98.1*
50-99	0.0*	27.9*	0.0*	0.0*	122*	17.9*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	150*	17.9*
>100	0.0*	151*	0.0*	0.0*	62*	98.1*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	780*	98.1*
TOTAL	11.0*	59.3*	13.8*	11.0*	253.8*	326*	43.1*	17.0*	11.0*	27.4*	61.3*	43.1*	44.3*	1500*	297.3*

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 COLUMN 5 = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 COLUMN 6 = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)







FM 2 ID NO	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	NAME OF STREAM		DR AREA	DR AREA	STATUS	MX STOR	MX STOR	INC. ENRG	ENERGY	ERC COST	ERC ECONOMIC
CODE			(D M M)	(D M M)	AVE. Q	(FT)	(FT)	(MWH)	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)
FILE			(S Q MI)	(S Q MI)	(CFS)	(AC FT)	(AC FT)	(MWH)			(SEQUENCE RANK)
STATUS						(FT)	(FT)	(MWH)			(SEQUENCE RANK)
AR6SML0028	CAMP CASS	FRANKLIN	35 37.0	93 55.5	CHR	120.0	120.0	0	0	2242.5	
5	DRC I			270	IS	99.9	99.9	6864	6864	135.68	
AR6SML0027	KINGS FORD	FRANKLIN	35 35.9	94 59.5	CHR	205.0	205.0	0	0	5578.0	
5	DRC I			360	IS	184.8	184.8	25905	25905	164.38	
ARGSML0029	OTARK LOCK AND DAM	FRANKLIN	35 28.4	93 48.5	NH	72.0	72.0	100000	100000	0	
5	DRC I			151820	OP	148400	148400	0	0	0	
AR6SML0033	MYATT CREEK	FULTON	36 22.9	91 34.0		148.0	148.0	0	0	3402.2	
5	DRC I			142		103.9	103.9	104	104	4392.6	
AR6SML0034	WILD HORSE	FULTON	36 19.9	91 37.5		160.0	160.0	0	0	6797.6	
5	SCP I			260		124.8	124.8	4299	4299	626.35	
AR1LKM0008	LAKE QUACHITA	CAMP CASS	34 34.3	93 11.3	HCR	205.0	205.0	75000	75000	0	0.
2	DRC I			1105	OP	3761500	3761500	0	0	0	0.
AR4SMT0003	FULTON LOCK + DAM	FRANKLIN	33 36.9	93 48.9	HN	61.0	61.0	0	0	5497.6	2008
2	DRC I			50856	IS	30000	30000	17988	17988	56.20	2013
AR1LKM0015	LAKE CATHERINE	FRANKLIN	34 25.6	92 53.2	H R O	75.0	75.0	11000	11000	984.13	0.
2	DRC I			1548	OP	50000	50000	22105	22105	47.354	0.
ARCSML0505	GILLHAM RESERVOIR	FRANKLIN	34 14.0	94 13.9	CSD	160.0	160.0	0	0	331.24	1036
2	SCP I			271	OP	283300	283300	2900	2900	35.278	1034





FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROV. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
								DR AREA	MX STOR.	STATUS	MX STOR.	INC. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
								(D M M)	(AC FT)	(CFS)	(FT)	(KW)	(KW)	(KW)	(MMH)	(1000 \$)	(SEQUENCE RANK)
								(D M M)	(AC FT)	(CFS)	(FT)	(KW)	(KW)	(KW)	(MMH)	(1000 \$)	(SEQUENCE RANK)
AR6SML0064	CEDAR				SOUTH FOURCHE			34 53.2	93 3.0		140.0	0	2398	2398	0	4219.4	
5 DRC I	PERRY							34 53.2	93 3.0	-322.8	114.8	0	2398	2398	7237	582.96	1009
AR6SML0068	DOVER				ILLINOIS BAYD			35 21.3	93 30.0	CHR	120.0	0	7284	7284	0	3609.6	
5 DRC I	POPE							35 21.3	93 30.0	IS	99.9	0	7284	7284	15718	229.64	1009
AR6SML0066	MAJIN FLAT				PINEY CREEK			35 27.4	93 16.9	CHR	160.0	0	8553	8553	0	4713.8	
5 DRC I	POPE							35 27.4	93 16.9	IS	139.8	0	8553	8553	18076	260.76	1009
AR6SML0067	WHITE DAK				ILLINOIS BAYD			35 29.5	93 1.0	CHR	190.0	0	18767	18767	0	4162.4	
5 DRC I	POPE							35 29.5	93 1.0	IS	149.8	0	18767	18767	30079	138.38	1009
AR6SML0075	DAVID D TERRY LOCK AND DAM				ARKANSAS RIVE			34 40.0	92 9.3	N	41.0	0	16183	16183	0	1718.1	
2 DRC I	PULASKI							34 40.0	92 9.3	DP	59600	0	16183	16183	86484	19.417	1012
AR6SML0073	LAKE MAUMELLE DAM				CITY OF LITTLE ROCK			34 51.3	92 29.2	S	67.0	0	0	0	0	35.742	
5 DRC I	PULASKI							34 51.3	92 29.2	DP	22000	0	0	0	1	18989	1004
AR6SML0074	MURRAY LOCK AND DAM				ARKANSAS RIVE			34 47.5	92 21.4	N	70.0	0	18444	18444	0	1857.8	
2 DRC I	PULASKI							34 47.5	92 21.4	DP	108500	0	18444	18444	106945	17.371	1010
AR6SML0077	JANES CREEK				JANES CREEK			36 19.7	91 14.5	C	120.0	0	0	0	0	2823.9	
5 DRC I	RANDOLPH							36 19.7	91 14.5	IS	107000	2	2	2	22	126040	1004
AR6SML0076	WATER VALLEY				ELEVEN POINT			36 16.5	91 4.4	CHR	129.0	0	14165	14165	0	9907.9	
5 DRC I	RANDOLPH							36 16.5	91 4.4	IS	90.8	0	14165	14165	56032	176.82	1012

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG MANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR AREA	DR AREA	DR AREA	DR AREA	STATUS	WX STOR	INC. CAP.	INC. ENRG ENERGY COST	ERC NONECONOMIC
CODE	FILE	(D M M)	(D M M)	(D M M)	(D M M)	AVE. Q	(FT)	TOT. CAP.	TOT. ENRG	ERC COMPOSITE
STATUS		(SQ MI)	(AC FT)	(AC FT)	(AC FT)	(CFS)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
			(SQ MI)	(AC FT)	(AC FT)	(CFS)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
AR6SWL0081	GRAVELLY	34 47.9	125.0	0	0	0	0	0	5321.7	
5 ARU0162	SCOTT	93 49.4	330	0	0	3493	0	11364	468.27	
						-476.9	104.8	11364		
AR6SWL0082	GILBERT	35 59.0		0	0	0	0	0	18087	0.
6 ARU0174	SEARCY	92 46.5	92000	181207	117894	181207	0	117894	156.81	0.
5 CP I		825	212.7	181207	117894	-1114.0	212.7	117894		0.
AR6SWL0083	L+D #13	35 20.9	41.0	0	0	0	0	0	1407.6	1005
ARU0163	SEBASTIAN	94 17.4	59100	14553	78039	14553	0	78039	18.36	1005
2 DRC I	DAEN SWL	150547	15.7	14553	78039	-32193.6	15.7	78039		1011
ARCSWL0530	DEQUEEN RESERVOIR	34 3.5	160.0	0	0	0	0	0	194.82	1046
ARU0013	SEVTER	94 24.9	370600	1225	3930	1225	0	3930	49.568	1043
2 SCP I	DAEN SWT	169	62.2	1225	3930	-282.1	62.2	3930		1042
ARCSWL0532	DYERKS RESERVOIR	34 8.0	153.0	0	0	0	0	0	165.68	1042
ARU0911	SEVTER	94 5.9	221600	1178	3719	1178	0	3719	44.539	1042
2 SCP I	DAEN SWT	114	78.0	1178	3719	-193.1	78.0	3719		1041
AR6SWL0085	BELL FOLEY	36 5.9	135.0	0	0	0	0	0	7143.3	
ARU0009	SHARP	91 22.9	518200	8049	22475	8049	0	22475	317.63	
5 SCP I		519	98.7	8049	22475	554.0	98.7	22475		
AR6SWL0084	HARDY	36 19.7	165.0	0	0	0	0	0	10726	
ARU0008	SHARP	91 30.3	0	19701	59735	19701	0	59735	179.57	
5 DRC I		869	124.8	19701	59735	1130.0	124.8	59735		
AR6SWL0086	RAVENDEN	36 14.5	90.0	0	0	0	0	0	3630.4	
ARU0188	SHARP	91 17.2	0	9595	28431	9595	0	28431	127.69	
5 DRC I		1000	49.9	9595	28431	-1026.7	49.9	28431		
AR6SWL0087	SOUTH FORK	36 19.9	170.0	0	0	0	0	0	6179.5	
ARU0181	SHARP	91 36.7	0	12856	24359	12856	0	24359	253.67	
5 DRC I		326	149.8	12856	24359	-376.7	149.8	24359		

FM 2 ID NO	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	ANNUAL COST	ERC ECONOMIC			
ACTV DEP	FILE CODE	STATUS	DR. AREA	(D M.M)	(D M.M)	(SQ. MI)	(CFS)	(AC FT)	(KWH)	(KWH)	(KWH)	(1000 \$)	(S/MWH)	(SEQUENCE RANK)
5	DRC I		35 44.2	92 23.7	CH	240.0	14230	199.8	0	22926	3500.6	157.4		
ARGSWL0091	HALF MOON	MIDDLE FORK L	35 44.2	92 23.7	CH	240.0	14230	199.8	0	22926	3500.6	157.4		
ARGSWL0094	ARCHEY	ARCHEY FORK L	35 37.5	92 28.6	CHR	200.0	2957	164.8	0	9026	2992.4	331.51		
ARGSWL0093	RACCOON	DEVILS FORK L	35 39.1	92 0.7	CHRS	700.0	18600	199.8	0	28124	23922	850.57		
ARGSWL0092	SHIRLEY	MIDDLE FORK L	35 40.8	92 18.0	CHR	245.0	19995	214.7	0	30033	7463.9	248.52		
ARGSWL0099	JUDSONIA	LITTLE RED	35 20.9	91 42.4	CHR	112.0	22601	75.0	0	66542	8813.3	132.44		
ARCSWL0100	BLUE MOUNTAIN	PETIT JEAN	35 6.1	93 38.6	C	115.0	6966	47.5	0	12473	396.9	31.755	1032	1031
ARGSWL0102	DARDANELLE LOCK AND DAM	ARKANSAS RIVE	35 15.0	93 9.9	NH	68.0	201400	46.6	565979	271250	11717	43.198	0.	0.
ARCSWL0101	NIMROD	FOURCHE LA FA	34 57.0	93 0.4	C	97.0	5813	36.5	0	12485	388.10	31.84	1030	1030





PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF CALIFORNIA

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW = 15 MW			15 MW = 25 MW			GREATER THAN 25 MW			TOTAL		
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
ITEM	INCR	POTEN	INCR	INCR	POTEN	INCR	INCR	POTEN	INCR	INCR	POTEN	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
0-19	0*	3*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
	18.4*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
	111*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
20-49	2*	9*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
	33.7*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
	146*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
50-99	4*	15*	0*	1*	0*	0*	0*	0*	0*	0*	0*	0*
	24.3*	20.9*	0.0*	15.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
	144*	80.8*	0.0*	69.8*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
>100	20*	36*	3*	6*	0*	0*	0*	0*	0*	0*	0*	0*
	105*	105*	30.4*	131*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
	803*	423*	239*	394*	767*	662*	623*	662*	623*	662*	623*	662*
TOTAL	26*	63*	3*	7*	0*	0*	0*	0*	0*	0*	0*	0*
	168*	178*	30.4*	146*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
	976*	761*	239*	464*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
COLUMN 3 = UNDEVELOPED POTENTIAL  
COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
CAPACITY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PM 2 ID NO	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	NAME OF STREAM	STATUS	MX. STUR.	AVE. G	PHR. MD.	TOT. CAP.	(KW)	(KW)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
CODE	DR. AREA	(CFS)	(AC FT)	(CFS)	(FT)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE	(D M. M)	(D M. M)	(S. M. I)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
STATUS	(S. M. I)	(S. M. I)	(S. M. I)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
CACSPN002	CALAVERAS RESERVOIR	ALAMEDA	CITY COUNTY S FRANCISCO	37 29.4	121 49.2	S	230.0	0	6	0	35,512	
CA00126	CALAVERAS CRE	ALAMEDA	CITY COUNTY S FRANCISCO	121 49.2	100	IS	100000	6	13	13	2692.7	
5 DRC I				100			146.8	6				
CACSPN003	JAMES H. TURNER	SAN ANTONIO	CITY COUNTY S FRANCISCO	37 34.3	121 50.9	S	193.0	0	3	0	35,316	
CA00132	ALAMEDA	SAN ANTONIO	CITY COUNTY S FRANCISCO	121 50.9	40	IS	50500	3	16	16	2082.0	
5 DRC I				40			144.8	3				
CATSPK9014	HOPE VALLEY RESERVOIR	ALPINE		38 46.3	119 55.6		176.0	0	0	0	7221.1	
CAU0149	WEST FORK CAR	ALPINE		119 55.6	38		100000	49223	61100	61100	118.18	
5 DRC I				38			1098.9	49223	61100	61100		
CASBP0004	SILVER KING RESEVOIR	ALPINE		38 34.1	119 37.4		75.0	0	85	85	1375.2	
CAU0274	EAST CARSON R	ALPINE		119 37.4	45		8000	85	681	681	2017.3	
5 DRC I				45			63.9	85	681	681		
CATSPK0005	STEVENOT RESERVOIR	ALPINE		38 33.9	120 1.0		240.0	0	0	0	4020.1	
CAU0289	NORTH FORK MD	ALPINE		120 1.0	58		25000	13197	27152	27152	148.6	
5 DRC S				58			1038.9	13197	27152	27152		
CACSPK0013	UTICA RESERVOIR	ALPINE		38 26.4	120 0.2	HI S	54.0	0	0	0	35,481	
CA00427	N FK STANISLA	PACIFIC GAS + ELECT CO		120 0.2	28	OP	2400	0	1	1	31215	
5 DRC				28			48.1	0	1	1		
CASBP0006	WOODSFORD AFTERBAY	ALPINE		38 45.9	119 50.9		10.0	0	0	0	1346.5	
CAU0324	WEST FORK CAR	ALPINE		119 50.9	66		95000	5273	28140	28140	47.853	
6 DRC S				66			951.0	5273	28140	28140		
CACSPK0021	BEAR RIVER	ALPINE		38 33.5	120 12.9	H	83.0	0	0	0	35,714	
CA00379	REAR RIVER	PACIFIC GAS + ELECT CO		120 12.9	28	OP	7098	0	2	2	17711	
5 DRC				28			75.4	0	2	2		
CACSPK0025	ELECTRA DIVERSION	ALPINE		38 25.2	120 32.8	HI	44.0	0	0	0	39.13	
CA00408	N FK MOKELUNN	PACIFIC GAS + ELECT CO		120 32.8	65	OP	65	2	24	24	1598.5	
5 DRC				65			24.9	2	24	24		



FM 2 ID NO	PROJECT NAME	PRIMRY CO. OWNER	DR AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	NAME OF STREAM	STATUS	AVE. Q	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON ECONOMIC	TOT. ENRGY	(1000 \$)	(SEQUENCE RANK)
ACTV DEP	DR AREA	(PT)	(KW)	(MW)	(MW)	(MW)	(\$/MWH)	(SEQUENCE RANK)	(MW)	(MW)	(MW)
CODE	(D M M)	(AC FT)	(KW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
FILE	(S M M)	(FT)	(KW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
STATUS	(S M M)	(FT)	(KW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
CA6SPK0033	COVERED BRIDGE DAM	BUTTE CREEK	39 43.6	121 42.2	20000	0	0	0	0	0	0
CAU0096	BUTTE		147		-183.3	0	0	0	0	0	0
CAJSPK0054	DE SABLE FORERAY		39 52.3		H	18450	120100	1347.9	1347.9	11	
CA00343	BUTTE	TRI BUTTE CRE	121 36.4		OP	24850	79260	17.6	17.6		
2 DFC	PACIFIC GAS + ELECT CO		108			43300	199360				
CABSPK0040	FEATHER RIVER HATCHERY		39 31.3		R	0	0	737.44	737.44		
CA00034	BUTTE	FEATHER RIVER	121 32.7		OP	4767	28220	26.131	26.131		
2 DRC	CAL DEPT WATER RES		3624			4767	28220				
CA6SPK0034	FORKS OF BUTTE CREEK		39 54.0		I	0	0	3133.7	3133.7		
CAU0127	BUTTE	BUTTE CREEK	121 33.0			36	93	33364	33364		
5 DRC E			10			36	93				
CA6SPK0035	GRITZLY GULCH		40 2.9		I	0	0	2035.3	2035.3		
CAU0142	BUTTE	BUTTE CREEK	121 33.0			306	2424	639.81	639.81		
5 DRC I			69			306	2424				
CA6SPK9015	JONESVILLE		40 5.9		SR	0	0	2515.4	2515.4		
CAU0167	BUTTE	BUTTE CREEK	121 29.9		IS	1773	10399	241.88	241.88		
5 DRC I			69			1773	10399				
CAJSPK0045	LOST CREEK		39 34.5		H I S	52200	14122	0	0		
CA00268	BUTTE	LOST CREEK	121 8.1		OP	0	0	0	0		
5 DRC	OROVILLE WYANDOTTE I D		31			52200	14122				
CAJSPK0049	MINERS RANCH RESERVOIR		39 30.3		H I S	9900	38048	2021.4	2021.4		
CA00275	BUTTE	TRI N HONCUT	121 27.3		OP	46086	38732	52.190	52.190		
5 DRC	OROVILLE WYANDOTTE I D		87			55986	76780				
CAJSPK0041	OROVILLE DAM		39 32.1		IRSHC	64400	1442836	9044.6	9044.6		
CA00035	BUTTE	FEATHER RIVER	121 28.8		OP	49311	95048	95.157	95.157		
5 DRC	CAL DEPT WATER RES		3611			113831	1537885				

FM 2 ID NO	ACTV DEP	FILE STATUS	PROJECT NAME	DR AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG. ANNU. COST	ERC ECONOMIC
FM 1 ID NO	ACTV DEP	FILE STATUS	PRIMARY CO. - NAME OF STREAM OWNER	(D M.M)	(S.M.M)	(D M.M)	STATUS	PK. STOR.	INC. CAP.	INC. ENRG. ENERGY COST	ERC NONECONOMIC
CODE	CODE	STATUS	DR AREA	(D M.M)	(S.M.M)	(D M.M)	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
				(D M.M)	(S.M.M)	(D M.M)	(CFS)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
				(D M.M)	(S.M.M)	(D M.M)	(CFS)	(AC FT)	(KW)	(\$/MWH)	(SEQUENCE RANK)
				(D M.M)	(S.M.M)	(D M.M)	(CFS)	(PT)	(KW)	(MWH)	(SEQUENCE RANK)
CACSPK0048			PONDEROSA DIVERSION	39 32.9	121 18.1	39 32.9	HI S	157.0	0	0	170.71
CA00274			BUTTE S PK FEATHER	121 18.1	108	121 18.1	OP	4750	1126	5111	33.400
2 DRC			ORVILLE WYANDOTTE I D	108		108		95.9	1126	5111	54
CA6SPK0037			QUARTZ HILL	39 36.0	121 11.4	39 36.0		200.0	0	0	1929.3
CA00250			BUTTE	121 11.4	10	121 11.4		22000	25	77	24856
5 DRC S				10		10		169.8	25	77	
CACSPK0046			SLY CREEK	39 34.9	121 6.8	39 34.9	HI S	271.0	0	0	1001.8
CA00272			BUTTE	121 6.8	24	121 6.8	OP	65050	13200	45000	22.264
2 DRC			ORVILLE-WYANDOTTE ID	24		24		228.7	13200	45000	74
CA7SPK0038			SWAYNE	39 42.6	121 22.6	39 42.6		380.0	0	0	13606
CA00294			BUTTE	121 22.6		121 22.6	IS	280000	211820	847997	16.45
6 DRC E			FRENCH CREEK	1164		1164		1382.6	211820	847997	
CA6SPK0039			SYCAMORE	39 48.5	121 43.9	39 48.5		370.0	0	0	6014.9
CA00297			BUTTE	121 43.9	72	121 43.9		150000	1494	7990	752.77
5 DRC I			BIG CREEK	72		72		314.6	1494	7990	
CAASPK0042			THERMALITO DIVERSION DAM	39 33.7	121 32.6	39 33.7	HI	126.0	0	0	523.5
CA00036			BUTTE	121 32.6		121 32.6	OP	22000	4300	23000	22.741
2 DRC			FEATHER RIVER	3640		3640		74.9	4300	23000	51
CA6SPK0042			FEATHER RIVER RES					4800.0			
CA00041			CAL DEPT WATER RES								
2 DRC											
CACSPK0044			THERMALITO AFTERBAY	39 27.5	121 37.9	39 27.5	HR	36.0	0	0	1124.1
CA00042			BUTTE	121 37.9		121 37.9	OP	57500	12954	53788	20.899
2 DRC			FEATHER RIVER RES	3610		3610		26.9	12954	53788	22
CAISPK0043			THERMALITO FORERAY	39 31.5	121 37.7	39 31.5	HR	75.0	115000	287552	0
CA00041			BUTTE	121 37.7		121 37.7	OP	11400	0	0	0
5 DRC			TRY CTTNWD CR	3610		3610		102.0	115000	287552	
CAHSPK0085			ANGELS POWERHOUSE	38 4.3	120 32.3	38 4.3	H	0	1400	11924	4034.3
CA00800			CALAVERAS	120 32.3		120 32.3	OP	0	130261	139412	28.938
2 DRC			PACIFIC GAS AND ELECT.	213		213		448.0	131661	151336	16

PM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
PM 1 ID NO	PRIMARY CO. - NAME OF STREAM	DR. AREA	DR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER	(D M.H)	(D M.H)	AVE. G	PRV. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
CODE		(D M.H)	(D M.H)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(SQ. MI)	(SQ. MI)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ. MI)	(SQ. MI)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
CA6SPK0059	CEDAR RESERVOIR	38 14.4	120 41.0	R, I	180.0	0	0	1995.1	
CAU0079	CALAVERAS	120 41.0	83		40000	111	780	2556.0	
5 DRC E					166.8	111	780		
CA7SPK0063	FOREST CREEK RESERVOIR	38 25.2			148.0	0	0	3509.6	
CAU0125	CALAVERAS	120 24.0	16		5000	36	171	20413	
5 DRC I					125.8	36	171		
CA6SPK0064	FORKS RESERVOIR	38 9.6			160.0	0	0	4004.5	
CAU0128	CALAVERAS	120 40.5	149	I, R	60000	19222	32002	125.13	
5 DRC I					149.8	19222	32002		
CACSPK0077	GOODWIN	37 51.7			101.0	0	0	167.58	
CA00260	CALAVERAS	120 37.7	986	I S	500	970	4655	36.1	26
2 DFC	OAKDALE S SAN JOAQUIN ID				80.0	970	4655		
CA6SPK0065	HIGHLAND	38 24.0			160.0	0	0	3585.4	
CAU0147	CALAVERAS	120 30.9	58	I	62000	11391	20098	178.39	
5 DRC I					744.2	11391	20098		
CAJSPK0083	HUNTERS RESERVOIR	38 11.8			43.0	3600	28396	6978.4	
CA00423	CALAVERAS	120 21.6	206	H I S	200	176312	194294	35.917	24
2 DRC	PACIFIC GAS + ELECT CO				685.0	179912	222690		
CA7SPK0066	JESUS MARTA	38 16.1			215.0	0	0	2543.5	
CAU0166	CALAVERAS	120 30.7	13	I, S	36000	43	234	10865	
5 DRC I					1198.8	43	234		
CACSPK0080	MIDDLE FORK	38 23.0			95.0	0	0	35.541	
CA00307	CALAVERAS	120 26.4	29	I S	1370	0	1	23783	
5 DRC	CALAVERAS P U DIST				77.9	0	1		
CACSPK0082	MURPHYS FOREBAY	38 8.8			67.0	0	0	186.77	
CA00420	CALAVERAS	120 26.0	206	H	54	921	5218	39.789	58
2 DRC	PACIFIC GAS + ELECT CO				63.4	921	5218		

FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	ENRG ANUL. COST	ERC ECONOMIC	
ACTV DEP	PRIMRY CO. - OWNER	DR. AREA	MX. STOR.	STATUS	AVE. Q	PWR. HD.	TOT. CAP.	INC. ENERGY COST	ERC NONECONOMIC
CODE	FILE	(D.M.M)	(D.M.M)	(CFS)	(FT)	(AC FT)	(MW)	(MWH)	(1000 \$)
STATUS	(SQ.MI)	(M)	(M)	(FT)	(MW)	(MW)	(MW)	(MWH)	(\$/MWH)
CACSPK0086	NEW HOGAN LAKE	38 9.0	120 48.6	CIR	200.0	357000	423	0	90.121
CA10109	CALAVERAS	120 48.6	120 363	DP	187.0	194.7	423	1873	48.94
2 DRC	DAEN SPK							1873	81
CATSPK5000	NEW MELDRES	37 56.9	120 31.2	CIRRD	625.0	287000	30000	498531	0
CA10246	CALAVERAS	120 31.2	120 900	UC	1560.0	577.4	30000	498531	0
5 DRC	US - WPRS								06
CA6SPK0069	NORTH FORK MOKELUMNE RIVER	38 24.2	120 34.2		160.0	5000	0	0	2322.3
CA10220	CALAVERAS	120 34.2	120 346		-616.0	135.8	5643	33785	68.737
5 DRC I							5643	33785	
CA6SPK9018	OSNEIL RESERVOIR	38 12.0	120 28.4		165.0	500	0	0	1830.4
CA10229	CALAVERAS	120 28.4	120 18		-24.0	139.8	19	87	21037
5 DRC I							19	87	
CATSPK0071	RATROAD FLAT	38 21.9	120 37.0		170.0	8000	0	0	3341.1
CA10252	CALAVERAS	120 37.0	120 96		-43.9	1618.3	11216	44384	75.277
5 DRC I							11216	44384	
CA6SPK0072	RAMSEY RESERVOIR	38 21.7	120 10.9	IS	235.0	33000	0	0	4332.4
CA10253	CALAVERAS	120 10.9	120 132		325.0	234.7	17785	39768	108.94
5 DRC S							17785	39768	
CA6SPK0073	SCOTTS RESERVOIR	38 12.8	120 25.9		200.0	10000	0	0	2567.2
CA10269	CALAVERAS	120 25.9	120 21		-28.0	169.8	13	57	44755
5 DRC I							13	57	
CATSPK0074	SOJIAN HOLLOW	38 15.9	120 16.0		380.0	60000	0	0	20706
CA10286	CALAVERAS	120 16.0	120 49		-119.3	222.7	150427	164301	126.2
5 DRC S							150427	164301	
CA6SPK0075	SWISS RANCH RESERVOIR	38 16.5	120 28.4		220.0	15000	0	0	1925.3
CA10296	CALAVERAS	120 28.4	120 8		-17.9	229.7	58	306	6280.2
5 DRC I							58	306	



FM 2 ID NO	PROJECT NAME	STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENERGY COST	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	OWNER	DR. AREA	DR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENERGY	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	FILE	STATUS	(D M. M)	(D M. M)	AVE. G	(FT)	(KW)	(MWH)	(1000 \$)	(S/MWH)
CODE	FILE	STATUS	(S O. HI)	(S O. HI)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(S/MWH)
FILE	STATUS	STATUS	(S O. HI)	(S O. HI)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(S/MWH)
STATUS	STATUS	STATUS	(S O. HI)	(S O. HI)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(S/MWH)
CA6SPK0076	UPPER MIDDLE FORK	MIDDLE FORK RD	38 23.2	120 24.0		223.0	0	0	2115.0	
5 DRC I	CALAVERAS		21			12000	67	485	4359.3	
CA6SPK1021	BEAR VALLEY		39 2.5		I, C, R	356.0	0	0	24735	
5 DRC I	COLUSA	BEAR CREEK	122 24.4			2470000	55	93	265187	
CA6SPK0091	EAST PARK RESERVOIR		39 21.9		IS	139.0	0	0	163.43	
CA10145	COLUSA	LITTLE STONY	122 30.8		OP	54600	1000	2900	56.356	
2 DFC	US - WPPSS		102			87.9	1000	2900		
CA6SPK0089	GOLDEN GATE		39 18.7		R, I, C	45.0	0	0	1216.5	
CAU0138	COLUSA	STONE CORRAL	122 20.5			48000	54	421	2886.4	
5 DRC I			38			53.9	54	421		
CA6SPK0090	STYFS RES		39 18.7		IH	243.0	0	0	8905.0	
CAU0275	COLUSA	STONE CORRAL	122 20.5		SI	1215700	141	317	28022	
5 DRC S			38			224.7	141	317		
CA6SPK0094	AUKIM RESERVOIR		38 32.9		R, I, C	197.0	0	0	3688.0	
CAU0046	EL DORADO	SOUTH FORK CD	120 43.9		SI	120050	89	475	7762.5	
5 DRC I			58			175.8	89	475		
CA7SPK0095	BAKERS FORD		38 37.5		I, R	110.0	0	0	3424.7	
CAU0048	EL DORADO	MIDDLE FORK C	120 41.0			16000	1076	5036	680.3	
5 DRC E			88			871.1	1076	5036		
CA7SPK0096	BRIDGEPORT RESERVOIR		38 32.7		I, R, C	130.0	0	0	2038.9	
CAU0064	EL DORADO	SOUTH FORK CD	120 43.4			36000	182	1308	1574.0	
5 DRC I			536			110.8	182	1308		
CA6SPK0135	BRUSH CRK		38 28.2		S D H	213.0	0	0	41.461	
CA00824	EL DORADO	BRUSH CR	120 37.1		OP	1750	83	455	91.7	
5 DRC	SACRAMENTO MUD		8			203.7	83	455		

FM 2 ID NO	PROJECT NAME	PRJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC		
FM 1 ID NO	PRIMARY CO.	NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. Q	PHR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	(S/HHH)	ERC COMPOSITE
CODE		(D.M.M)	(AC FT)	(KW)	(MHH)	(MHH)	(SEQUENCE RANK)	(SEQUENCE RANK)	
FILE		(D.M.M)	(CFS)	(FT)	(KW)	(MHH)	(SEQUENCE RANK)	(SEQUENCE RANK)	
STATUS		(SQ.MI)	(S.D.H)	OP	142500	82171			
CAJSPK0128	CANTINO RESERVOIR	38 49.7	S D H	OP	142500	82171	0	0	
CA00817	EL NORADO SILVER CR	120 32.0	OP	NP	0	0	0	0	
5 DRC	SACRAMENTO MUD	250			142500	82171			
CA5SPK0097	CAPPS CROSSING	38 38.2	I,C		0	0	2448.4		
CAU0074	EL NORADO NORTH FORK CO	120 22.5	SI		106	515	4752.1		
5 DRC I		19			106	515			
CA6SPK0099	COLOMA AFTERRAY	38 46.9			0	0	2613.7		
CAU0091	EL NORADO SOUTH FORK AM	120 52.9			14341	30631	85.329		
5 DRC E		631			14341	30631			
CA6SPK0100	COLOMA RESERVOIR	38 46.9	I,S		0	0	5469.6		
CAU0092	EL NORADO SOUTH FORK AM	120 52.0			57923	105383	51.902		25
2 DRC D		616			57923	105383			
CAJSPK0122	EL NORADO FORERAY	38 46.1	H		20000	97900	0		
CA00375	EL NORADO LONG CANYON	120 35.1	DP		0	0	0		
5 DFC	PACIFIC GAS + ELECT CO	217			20000	97900	0		07
CA5SPK0101	EL NORADO	38 47.5	H		0	0	4562.0		
CAU0116	EL NORADO SOUTH FORK AM	120 36.9	FP		60017	152314	29.912		
2 DRC S		160			60017	152314			15
CA6SPK0102	FORNI SOUTH FORK RESERVOIR	38 46.9			0	0	1210.4		
CAU0129	EL NORADO SOUTH FORK AM	120 9.9			124	827	1463.5		
5 DRC I		64			124	827			
CACSPK0129	GERLE	38 58.2	S D H		0	0	333.46		
CA00818	EL NORADO GERLE CR	120 23.5	OP		4059	6912	48.238		
2 DRC	SACRAMENTO MUD	24			4059	6912			63
CACSPK0125	ICE HOUSE RESERVOIR	38 49.3	S H		0	0	153.40		
CA00814	EL NORADO S FK SILVER C	120 21.6	OP		968	3153	48.651		
2 DRC	SACRAMENTO MUD	27			968	3153			77

FM 2 ID NO	PROJECT NAME	PROJECT NO.	NAME OF STREAM	DR AREA	DR AREA (D.M.M)	DR AREA (D.M.M)	DR AREA (SQ.MI)	STATUS	AVG. G	AVE. G (FT)	AVE. G (AC FT)	AVE. G (FT)	EXIST. CAP. (KW)	INC. CAP. (KW)	TOT. CAP. (KW)	EXIST. ENRG. (MWH)	INC. ENRG. (MWH)	TOT. ENRG. (MWH)	ANNUAL ENERGY COST (\$/MWH)	ERC ECONOMIC RANK
CA6SPK0103	INDIAN CREEK RESERVOIR	EL DORADO	WEBER CREEK	38.44.0	120.56.0	1700							0	93	93	0	238	238	22340	
CAU0155	WEBER CREEK	EL DORADO	WEBER CREEK	1700					-220.7	123.8			0	93	93	0	238	238	93624	
CAJSPK0136	JENKINSON LAKE (SLYPARK DAM)	EL DORADO	SLY PARK CREEK	38.42.8	120.33.5	16							0	573	573	0	2100	2100	107.45	
CAU0187	SLY PARK CREEK	US - WPRS	SLY PARK CREEK	16					-27.8	203.2			0	573	573	0	2100	2100	51.170	
CAJSPK0126	JUNCTION RESERVOIR	EL DORADO	SILVER CR	38.51.1	120.27.2								133000	0	133000	187830	0	0	0	
CA00815	SILVER CR	EL DORADO	SILVER CR										133000	0	133000	187830	0	0	0	
CAJSPK0131	LOON LAKE	EL DORADO	GEPLA CR	39.0.1	120.18.5	8							74100	0	74100	103276	0	0	0	
CA00820	GEPLA CR	SACRAMENTO MUD	SACRAMENTO MUD	8					25.0	1133.0			74100	0	74100	103276	0	0	0	
CA6SPK0105	MICHIGAN BAR	EL DORADO	COSUMNES RIVE	38.30.0	121.33.0	536							1307	1307	1307	0	6316	6316	1790.1	
CAU0203	COSUMNES RIVE	EL DORADO	COSUMNES RIVE	536					-510.3	88.9			1307	1307	1307	0	6316	6316	283.39	
CA6SPK0106	MIDDLE END RESERVOIR	EL DORADO	NORTH FORK CO	38.40.2	120.32.2	43							0	105	105	0	694	694	1623.2	
CAU0206	NORTH FORK CO	EL DORADO	NORTH FORK CO	43					-39.6	152.8			105	105	105	0	694	694	2336.3	
CA5SPK9040	PARK CREEK PH	EL DORADO	S FORK AMERIC	38.43.8	120.28.2	160							6900	6900	6900	0	16418	16418	2159.4	
CAU0237	S FORK AMERIC	EL DORADO	S FORK AMERIC	160					280.0	196.8			6900	6900	6900	0	16418	16418	131.52	
CA7SPK0107	PARK CREEK RESERVOIR	EL DORADO	PARK CREEK	38.44.0	120.28.9	10							0	15109	15109	0	22877	22877	4412.2	
CAU0237	PARK CREEK	EL DORADO	PARK CREEK	10					-22.4	1848.1			15109	15109	15109	0	22877	22877	192.86	
CA6SPK0108	PI PI	EL DORADO	MIDDLE FORK C	38.34.3	120.25.5	45							0	103	103	0	666	666	3243.9	
CAU0243	MIDDLE FORK C	EL DORADO	MIDDLE FORK C	45					88.0	259.7			103	103	103	0	666	666	4864.3	

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	ACTV DEP	OWNER	STATUS	AVE. G	PHR. HD.	TOT. CAP.	(KW)	(MHH)	(1000 \$)	ERC COMPOSITE	
CODE	FILE	DR. AREA	(D M.M)	(D M.M)	(AC FT)	(KW)	(MHH)	(MHH)	(8/MWH)	(SEQUENCE RANK)	
STATUS	STATUS	(SQ.MI)	(CFS)	(FT)	(KW)	(KW)	(MHH)	(MHH)	(SEQUENCE RANK)	(SEQUENCE RANK)	
CA7SPK0109	PLUM CREEK RESERVOIR	EL DORADO	PLUM CREEK	38 45.0	120 24.9		170.0	0	0	1664.2	
5 DRC E				5	5	7.2	1566.4	1581	6465	257.38	
CA7SPK0139	PLUM CREEK PH (ALDER DAM)	EL DORADO		38 44.4	120 24.5	HSIR	360.0	0	0	10366	
2 DFC S				160	160	280.0	175000	42700	105204	98.535	
CA8SPK0130	ROBBS PEAK	EL DORADO	S FK RUBICON	38 56.8	120 23.2	S D H	44.0	23750	27156	0	
5 DRC				83	83	231.0	356.0	23750	27156	0	
CA6SPK0110	SALMON FALLS	EL DORADO	SOUTH FORK AM	38 45.9	121 1.0		250.0	0	0	10250	
2 DRC E				807	807	-1779.4	112000	177087	242552	42.260	
CA7SPK0112	SALMON FALLS (ALTERNATE PLAN)	EL DORADO	SOUTH FORK AM	38 49.9	120 56.9		137.0	0	0	4759.3	
2 DRC S				673	673	-565.7	6700	31648	162248	29.333	
CA7SPK0113	SILVER FORK PH	EL DORADO	SOUTH FORK AM	38 45.9	120 19.4		300.0	0	0	6551.3	
5 DRC S				180	180	-112.2	1588.4	38240	107991	60.665	
CAJSPK0134	SLAR CRK	EL DORADO	S FK AMERICAN	38 46.3	120 41.9	S D H	233.0	190000	357133	0	
5 DRC				497	497	1062.0	854.0	190000	357133	0	
CA6SPK0114	SOPYAGO RESERVOIR	EL DORADO	SOPYAGO CREEK	38 33.9	120 31.1		170.0	0	0	2807.9	
5 DRC S				11	11	-24.6	131.8	57	267	10491	
CA0SPK0124	STIMPY HEADS RESERVOIR	EL DORADO	PILOT CR	38 54.2	120 36.2	S I U	0	0	0	410.31	
2 DRC				12	12	26.0	1739.2	4316	17230	23.813	
								4316	17230		

PM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
PM 1 ID NO	PRIMARY CO. -NAME OF STREAM OWNER	DR.AREA (D.M.M)	(D.M.M)	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
ACTV CODE	FILE	(80.MI)	(CFS)	(FT)	(AC FT)	(KW)	(MHH)	(1000 \$)	(SEQUENCE RANK)
STATUS	CA6SPK0116	TEXAS HILL RESERVOIR	WEBER CREEK	I	170.0	0	0	2174.3	
CA00301	EL DORADO	120 46.9	SI	22200	43	214	10155		
5 DRC I		24		149.8	43	214			
CA1SPK0127	UNION VALLEY RESERVOIR	38 51.9	S H	453.0	33250	73730	0	0	
CA00816	EL DORADO	120 26.3	OP	271000	0	0	0	0	
5 DRC	SACRAMENTO MUD	84		438.9	33250	73730			
CA5SPK0117	VAN WINKLE	38 42.0		20.0	0	0	0	1615.6	
CA00309	EL DORADO	120 11.9		1598.4	11541	42672	37.860		
2 DRC I		37		70.0	11541	42672			22
CA6SPK0118	VOLCANO RESERVOIR	38 26.4		210.0	0	0	0	2853.7	
CA00311	EL DORADO	120 40.9		15000	112	716	3982.2		
5 DRC I		40		178.8	112	716			
CA1SPK0150	HALCH AFTERRAY	36 54.4	H	176.0	44100	65684	0	0	
CA00336	FRESNO N PK KINGS RIVER	119 5.4	OP	394	0	0	0	0	
5 DRC	PACIFIC GAS + ELECT CO	246		798.0	44100	65684			
CA0SPK0153	BEAR CREEK DIVERSION	37 20.1	H	55.0	0	0	0	49.159	
CA00428	FRESNO BEAR CREEK	118 56.4	OP	103	51	394	124.55		
5 DRC	SOUTHERN CALIF EDISON CO	54		47.9	51	394			
CA1SPK0155	BIG CREEK NO 6 (DIVERSION DAM)	37 12.4	H	140.0	106500	111140	6730.7		
CA00432	FRESNO SAN JOAQUIN RIVER	119 19.7	OP	993	310757	100499	66.972		
5 DRC	SOUTHERN CALIF EDISON CO	1224		827.0	417257	211639			
CA5SPK0138	CEDAR GROVE	36 49.9		160.0	0	0	0	0	
CA00078	FRESNO SOUTH FORK KINGS RIVER	118 52.0		80000	948287	682654	44115033		
5 DRC I		365		2067.9	948287	682654			
CA1SPK0152	COURTRIGHT RESERVOIR	37 4.3	H	311.0	1050000	61059	0	0	
CA00412	FRESNO HELMS CREEK	118 57.9	UC	123500	0	0	0	0	
5 DRC	PACIFIC GAS + ELECT CO	40		1600.0	1050000	61059			

FM 2 ID NO	PROJECT NAME	STATUS	DR. AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAH MT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	OWNER	(D M. M)	(D M. M)	(D M. M)	MX STOR.	MX STOR.	INC. CAP.	INC. ENRG ANUL. COST	ERC COMPOSITE
ACTV DEP			(D M. M)	(D M. M)	(D M. M)	PHR. HD.	PHR. HD.	TOT. CAP.	TOT. ENRG ANUL. COST	(SEQUENCE RANK)
CODE			(D M. M)	(D M. M)	(D M. M)	(AC FT)	(AC FT)	(KW)	(1000 \$)	(SEQUENCE RANK)
FILE			(D M. M)	(D M. M)	(D M. M)	(FT)	(FT)	(MW)	(\$/MWH)	(SEQUENCE RANK)
STATUS			(D M. M)	(D M. M)	(D M. M)	(CFS)	(CFS)	(MW)		(SEQUENCE RANK)
CA5SPK0946	DYNKEY CR PH2	DINKEY CREEK	37 2.1	119 8.1	37 2.1	1.0	0	0	3102.1	
CAU0109	FRESNO		119 8.1	105	105	0	60000	110965	27.955	
2 DFC S							60000	110965		
CA7SPK0139	DINKEY HEADW RES (PH 1)		37 2.1	119 8.1	105	I AND R	0	0	13200	
CAU0109	FRESNO		119 8.1	105	105		60000	229070	57.625	
2 DFC S							60000	229070		
CA7SPK0191	JUNCTION RESERVOIR		36 50.7	118 53.6	100	H	0	0	8216.9	
CAU0169	FRESNO	KINGS RIVER	118 53.6	100	100	IS	79804	83220	98.737	
5 DRC I							79804	83220		
CA6SPK0192	KELLERS RANCH		36 53.0	119 7.9	1530		0	0	32366	
CAU0171	FRESNO	KINGS RIVER	119 7.9	1530	1530		233176	360294	89.834	
5 DRC D							233176	360294		
CA6SPK0160	LAKE THOMAS A EDISON (VERMIL)		37 22.1	118 58.9	90	H S	0	0	167.34	
CAU0441	FRESNO	MONO CREEK	118 58.9	90	90	DP	1112	5062	33.56	
2 DRC		SOUTHERN CALIF EDISON CO					1112	5062		52
CA6SPK0143	LITTLE DRY CREEK		36 56.6	119 41.4	40	I	0	0	2292.2	
CAU0185	FRESNO	LITTLE DRY CR	119 41.4	40	40	SI	0	0	69570398	
5 DRC S							0	0		
CA6SPK0144	MILL CREEK		36 45.9	119 22.0	127		0	0	14801	
CAU020R	FRESNO	MILL CRK	119 22.0	127	127		107	514	28776	
5 DRC I							107	514		
CA6SPK0165	MILLERTON LAKE (FRIANT DAM)		37 0.0	119 42.2	1650	I SCR	0	0	306.50	
CA10154	FRESNO	SAN JOAQUIN R	119 42.2	1650	1650	DP	2700	7842	39.84	
2 DFC		US - WPRS					2700	7842		30
CA6SPK0926	MILLERTON (FRIANT-KERN CANAL)		37 0.0	119 42.2	1650	I SCR	0	0	1316.2	
CA10154	FRESNO	SAN JOAQUIN R	119 42.2	1650	1650	DP	15000	69870	18.838	
2 DFC		US - WPRS					15000	69870		14













FM 2 ID NO	PROJECT NAME	LATITUDE	PRCJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR.AREA	AVE. Q	APHR. HD.	TOT. CAP.	TOT.ENERG	(1000 \$)	ERC COMPOSITE
CODE		(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)
FILE		(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)
STATUS		(90.MI)	(CFS)	(AC FT)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)
CA18PL0079	CASTAIC	34 31.1	I R S	335.0	56000	7793	0	
CA00044	LOS ANGELES CASTAIC CH	118 36.2	UP	345000	0	0	0	
5 SCP	CAL DEPT WATER RES	154	-45.0	314.6	56000	7793		
CACSPL0086	CORNWELL	34 14.6	C	265.0	0	0	99.124	
CA00190	LOS ANGELES W FK SAN GABRIEL	117 57.9	DP	10446	511	2222	44.596	67
2 SCP	LOS ANGELES COUNTY FCD	39	25.0	244.7	511	2222		
CACSPL0092	MORRIS	34 10.4	S	245.0	0	0	162.40	
CA00216	LOS ANGELES SAN GABRIEL R	117 52.8	DP	30000	1109	2435	66.674	09
2 SCP	METROPOLITAN WATER DIST	217	-117.3	221.7	1109	2435		
CACSPL0080	PYRAMID	34 38.6	I R S	382.0	0	0	2382.0	
CA00052	LOS ANGELES PIRU CREEK	118 45.7	DP	171196	56063	17604	135.30	04
2 SCP	CAL DEPT WATER RES	293	-159.1	353.6	56063	17604		
CACSPL0091	SAN GABRIEL	34 12.4	C	310.0	0	0	224.20	
CA00200	LOS ANGELES SAN GABRIEL R	117 51.4	DP	44614	1814	3570	62.796	07
2 SCP	LOS ANGELES COUNTY FCD	203	145.0	281.7	1814	3570		
CA7SPK0216	CHIRQUITO RESEVOIR	37 24.2	I	170.0	0	0	5228.0	
CA00081	MADERA CHIRQUITO CREEK	119 22.2	I	75000	93951	78185	66.867	
6 DRC E		146	-90.9	1648.3	93951	78185		
CA7SPK0218	FORKS	37 26.1	SIRH	270.0	0	0	5984.8	
CAU0126	MADERA SAN JOAQUIN R	119 14.6	IS	38500	53443	286242	20.908	23
2 DRC S		850	-763.0	588.4	53443	286242		
CA7SPK0219	GRANITE CREEK RESERVOIR	37 30.3	I,C,R	350.0	0	0	7811.4	
CAU0141	MADERA GRANITE CREEK	119 14.5	I	150000	54478	100233	77.932	
5 DRC I		48	-64.7	2987.0	54478	100233		
CACSPK0235	H V EASTMAN LAKE (BUCHANAN D)	37 13.0	CTP	205.5	0	0	40.217	
CA10243	MADERA CHONCHILLA RIV	119 58.9	DP	192000	65	266	150.82	
5 DRC	DAPN SPK	254	102.0	177.8	65	266		





FM 2 ID NO	FM 1 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	INC. ENRG	ENERGY COST	TOT. ENRG	(1000 \$)	(\$/MWH)	(MWH)	(MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
CA6SPN0018	CAU0026	5	DRC	I	FELTZ LOWER SITE	FELTZ CREEK	38 5.9	123 0.7	S1	178.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CA6SPN0020	CAU0028	5	DRC	I	FORSYTHE	FORSYTHE CREEK	39 17.9	123 15.0	S1	304.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CA6SPN0019	CAU0027	5	DRC	I	REDWOOD VALLEY	RUSSIAN RIVER	39 1.9	123 1.5	S1	205.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CACSPN0024	CA10201	2	DRC	I	RUSSIAN RIVER RESERVOIR COYON	RUSSIAN RIVER	39 12.0	123 7.9	CRS	160.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA6SPN0015	CAU0019	5	DRC	I	SPENCER FRANCISCAN	MD FK EEL RIV	39 4.7	123 0.8	S1	360.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA6SPN0016	CAU0021	5	DRC	D	VALLEYS END	TOMKI CREEK	39 2.5	123 13.0	CS	1661.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAJSPN0061	5	DRC	D	PACIFIC GAS AND ELECTRIC CO.	VAN ARSDLE/POTTER VALLEY	EEL RIVER	39 22.8	123 7.8	IHC	96.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CACSPK0256	CA10103	5	DRC	BURNS DAM	BURNS CREEK	37 22.6	120 16.5	CP	53.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CACSPK0253	CA00239	5	DRC	CROCKER DIVERSION	MERCED RIVER	37 30.9	120 22.1	I	22.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	DRC	MERCED IRR DIST	MERCED IRR DIST	MERCED IRR DIST	MERCED IRR DIST	MERCED IRR DIST	1045	1339.0	OP	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420

FM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	NAME OF STREAM	DR. AREA	LONGITUDE	LATITUDE	PROJ. PURP.	STATUS	AVE. G	WPR. HD.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	INC. ENRG	TOT. ENRG	ANNUAL COST	ERC ECONOMIC	ERC NON-ECONOMIC
CAISPK0255	CA00341	CA6SPK0252	CAU0213	CA6SPK0260	CAU0039	CACSPK0268	CA10141	CA6SPK0261	CAU0042	CA4SPK0270	CACSPK0096	CA00284	5CP	CACSPK0095	CA00090	1SCP	CA7SPK0271	CAU0181	5DRC I			
5	5	5	5	5	5	1	5	5	5	5	2	1	5	5	5	5	5	5	5	5	5	5
MERCED FALLS	MERCED	MONTGOMERY	MERCED	ALLFN CAMP DAM	MDDNC	CLEAR LAKE	MDDNC	ROUND VALLEY	MDDNC	ANTFLOPE VALLEY	BRIDGEPORT	MDDNC	WALKER RIVER TR DIST	LAKE CROWLEY LONG VALLEY	MDDNC	CITY OF LOS ANGELES	LEAVITT	MDDNC	MDDNC			
MERCED RIVER	MERCED RIVER	DRY CREEK	MERCED RIVER	PIT RIVER	PIT RIVER	LOST RIVER	LOST RIVER	ASH CREEK	ASH CREEK	WEST WALKER	WEST WALKER	EAST WALKER R	WALKER RIVER TR DIST	LONG VALLEY	OWENS RIVER	CITY OF LOS ANGELES	WEST WALKER R	WEST WALKER R	WEST WALKER R			
120 19.7	120 19.7	37 33.5	120 27.9	121 8.2	121 8.2	121 4.4	121 4.4	119 26.9	119 26.9	119 26.9	119 26.9	119 12.6	119 12.6	37 35.3	118 42.2	118 437	38 19.9	119 33.0	119 33.0			
1061	1061	67	67	1550	1550	670	670	176	176	176	176	358	358	437	437	437	73	73	73			
OP	OP	I	SI	PA	PA	IC	OP	IS	IS	R, I	I	DP	DP	H, S	DP	DP	0	0	0			
1339.0	1339.0	-67.1	-67.1	220.0	220.0	167.0	29.9	-82.8	-82.8	-168.2	-135.7	-135.7	-135.7	-139.3	-139.3	-139.3	-73.5	-73.5	-73.5			
38.0	900	101.0	274500	74000	74000	566000	566000	88.0	72000	77.0	63.0	42455	42455	126.0	183465	111.8	103.0	51000	51000			
3440	3440	0	1	853	853	0	0	106	106	0	0	1220	1220	0	0	0	0	2484	2484			
16108	16108	0	3	4246	4246	0	0	698	698	0	0	3566	3566	0	0	0	0	39659	39659			
0	0	9298.4	2565677	5121.7	1206.0	36.802	4369.3	3208.9	4593.2	*****	*****	*****	*****	168.61	47.275	35.79	8086.2	3254.2	3254.2			



FM 2 ID NO	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	MANUL. COST	ERC ECONOMIC
ACTV DEP	NAME OF STREAM		DR. AREA	MX. STUR.	STATUS	MX. STUR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC	ERC COMPOSITE
CODE			(D.M.M)	(PT)	AVE. G	(PWR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)
FILE			(D.M.M)	(AC FT)	(CFS)	(KW)	(MHH)	(MHH)	(\$/MHH)	(SEQUENCE RANK)	(SEQUENCE RANK)
STATUS			(SQ. MI)	(FT)							
CA6SPK0272	PICKLE MEADOWS	WEST WALKER R	38 21.7	119 29.5	I	190.0	0	0	4059.8		
CAU0244	MNR		115	115	SI	110000	812	4370	928.83		
5 DRC 5						190.0	812	4370			
CA6SPK0273	WILLOW FLAT	LITTLE WALKER	38 17.1	119 27.1		142.0	0	0	3358.4		
CAU0320	MNR		15	15		18000	87	519	6463.0		
5 DRC I						141.8	87	519			
CARSPK0026	SAN ANTONIO	SAN ANTONIO R	35 45.5	120 52.3	ICR	202.0	0	0	36.73		
CAU0813	MONTREY		324	324	18	348000	13	33	1064.2		
5 DRC I	MONTREY COUNTY FCWC					159.8	13	33			
						-104.8					
CA6SPK0025	SAN CLEMENTE	CARMEL RIVER	36 24.0	121 41.9	ICR	455.0	0	0	6307.9		
CA10202	MONTREY		111	111	SI	176500	465	2342	2692.3		
5 DRC I	CORPS OF ENG.					384.6	465	2342			
						82.0					
CA6SPK0274	ADAMS	ETTUVERA CRE	38 42.0	122 17.4	I,C	135.0	0	0	2417.2		
CAU0036	NAPA		54	54		34400	82	291	8284.0		
5 DRC D						114.8	82	291			
						-70.3					
CA6SPK0275	GODDINGS	MAXWELL CREEK	38 36.9	122 20.9	I	110.0	0	0	1225.6		
CAU0139	NAPA		39	39		50500	0	0	1249424		
5 DRC I						93.9	0	0			
						-50.7					
CACSPK5001	MONTICELLO DAM (LAKE BERRIES)	PUTAH CREEK	38 30.7	122 6.2	IRS	304.0	0	0	894.95		
CA10170	NAPA		566	566	OP	1900000	10000	42698	20.959		
2 DFC	US - WPRS					287.7	10000	42698			50
						488.0					
CA6SPK9021	SNEIL	PUTAH CREEK	38 39.4	122 18.5		315.0	0	0	11095		
CAU0276	NAPA		253	253		394000	23473	26676	415.91		
5 DRC I						267.7	23473	26676			
						-265.6					
CA6SPK0278	WALTER SPRINGS	POPE CREEK	38 38.6	122 21.4		80.0	0	0	2095.7		
CAU0313	NAPA		78	78		24500	0	3	639830		
5 DRC I						67.9	0	3			
						-159.0					

FM 2 ID NO	FM 1 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	DR AREA	LONGITUDE	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
									(D.M.M)	(D.M.M)	(D.M.M)		(FT)	(KW)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
									(S.D.MI)	(S.D.MI)	(S.D.MI)	(AC FT)	(FT)	(KW)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
									(CFS)	(CFS)	(CFS)	(FT)	(FT)	(KW)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
CACSPK0306	CA00964		5	DRC		ANTHONY HOUSE	NEVADA	LAKE WILWOOD ASSN		39 14.0	121 13.1	S	92.0	0	0	0	36.325	
						DEER CREEK	NEVADA		133.0	80		3840	1	10	3589.5			
												53.9	1	10				
CA6SPK0280	CAU0060		5	DRC		BITNEY CORNER	NEVADA	DEER CREEK		39 14.4	121 7.5	S.I.R	173.0	0	0	0	2143.6	
												20000	95	609	3518.9			
												146.8	95	609				
CACSPK0312	CA10135		2	DRC		ROCA RESERVOIR	NEVADA	LITTLE TRUCKEE		39 23.2	120 5.6	TRDMS	103.0	0	0	0	174.49	
												4110	1076	5209	33.497			
												83.3	1076	5209				
												190.0	1076	5209				55
CACSPK9032	CA00245		2	DRC		BOWMAN RESERVOIR	NEVADA	CANYON CREEK		39 26.8	120 39.0	ISH	175.0	0	0	0	392.4	
												68200	3500	16030	24.457			
												161.8	3500	16030				
												100.0	3500	16030				
CA6SPK0308	CA08002		5	DRC		CHICAGO PARK FOREBAY	NEVADA	BEAR RIVER		39 10.9	120 55.1	H	35.0	0	0	0	0	
												469.5	37350	140000	0			
												654.2	37350	140000	0			
												400.0	37350	140000	0			2A
CACSPK0290	CA00249		2	DRC		COMRIE	NEVADA	BEAR RIVER		39 0.5	121 3.4	I S	85.0	0	0	0	233.61	
												9000	1504	5130	45.536			
												73.9	1504	5130				
												400.0	1504	5130				71
CACSPK0287	CA00246		2	DRC		DEEP CREEK DIVERSION	NEVADA	DEER CREEK		39 16.1	120 57.1	I S	92.0	0	0	0	162.86	
												1400	993	4450	36.596			
												85.5	993	4450				
												671.0	993	4450				60
CAJSPK0310	CA08021		5	DRC		DEER CREEK POWERHOUSE	NEVADA	DEER CREEK		39 16.9	120 50.6	H	0	5500	41300	0	0	
												0	0	0	0			
												837.0	5500	41300				
												97.0	5500	41300				
CACSPK0296	CA00257		5	DRC		DUTCH FLAT AFTERBAY	NEVADA	BEAR RIVER		39 12.8	120 50.5	H I R S	165.0	0	0	0	43.127	
												1300	99	631	68.298			
												149.8	99	631				
												27.0	99	631				



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. ENRG	COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	DR. AREA	DR. AREA	DR. AREA	STATUS	MX. STUR.	MX. STUR.	MX. STUR.	MX. STUR.	MX. STUR.	MX. STUR.	MX. STUR.	MX. STUR.
CODE	FILE	(D.M.M)	(D.M.M)	(D.M.M)	(D.M.M)	AVE. G	PHR. HD.	PHR. HD.	PHR. HD.	PHR. HD.	PHR. HD.	PHR. HD.	PHR. HD.	PHR. HD.
STATUS	(SQ.MI)	(SQ.MI)	(SQ.MI)	(SQ.MI)	(SQ.MI)	(CFS)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)
CA7SPK0294	ROLLINS	39 52	120 56.9	120 56.9	120 56.9	H I R S	260.0	260.0	260.0	260.0	260.0	260.0	260.0	260.0
CA00255	NEVADA	120 104	104	104	104	DP	66000	66000	66000	66000	66000	66000	66000	66000
5 DRC	NEVADA IRRIGATION DISTRICT	398.0	398.0	398.0	398.0		11000	11000	11000	11000	11000	11000	11000	11000
CA02SPK0292	SCOTT'S FLAT	39 16.3	120 55.6	120 55.6	120 55.6	I R S	195.0	195.0	195.0	195.0	195.0	195.0	195.0	195.0
CA00253	NEVADA	120 120	120	120	120	DP	49000	49000	49000	49000	49000	49000	49000	49000
2 DFC	NEVADA IRR DIST	671.0	671.0	671.0	671.0		1000	1000	1000	1000	1000	1000	1000	1000
CA7SPK0284	WASHINGTON	39 20.9	120 50.0	120 50.0	120 50.0	H	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0
CA00315	NEVADA	122	122	122	122	IS	125800	125800	125800	125800	125800	125800	125800	125800
5 DRC I	SOUTH YUBA RIVER	-123.4	-123.4	-123.4	-123.4		19216	19216	19216	19216	19216	19216	19216	19216
CAHSPK9029	ALTA FURERAY	39 13.2	120 47.1	120 47.1	120 47.1	H	0	0	0	0	0	0	0	0
CA00832	PLACER	120 47.1	47.1	47.1	47.1	DP	2000	2000	2000	2000	2000	2000	2000	2000
5 DRC	PACIFIC GAS AND ELECTRIC	21.7	21.7	21.7	21.7		4434	4434	4434	4434	4434	4434	4434	4434
CA6SPK0314	AUBURN DAM	38 51.9	121 3.3	121 3.3	121 3.3	IHCSR	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0
CA00804	PLACER	121 982	982	982	982	UC	250000	250000	250000	250000	250000	250000	250000	250000
5 DRC I	AMERICAN RIVER	2200.0	2200.0	2200.0	2200.0		637288	637288	637288	637288	637288	637288	637288	637288
CA02SPK0325	CAMPFAR WEST	39 2.9	121 18.9	121 18.9	121 18.9	IR	185.0	185.0	185.0	185.0	185.0	185.0	185.0	185.0
CA00827	PLACER	121 280	280	280	280	DP	130000	130000	130000	130000	130000	130000	130000	130000
2 DFC	SOUTH SUTTER WATER DIST	464.0	464.0	464.0	464.0		6800	6800	6800	6800	6800	6800	6800	6800
CA7SPK0317	COON CREEK	38 58.4	121 13.4	121 13.4	121 13.4	I	207.0	207.0	207.0	207.0	207.0	207.0	207.0	207.0
CA00893	PLACER	121 40	40	40	40	IS	59000	59000	59000	59000	59000	59000	59000	59000
5 DRC I	COON CREEK	-42.2	-42.2	-42.2	-42.2		105	105	105	105	105	105	105	105
CA7SPK0336	DUTCH FLAT NO.1 POWERHOUSE	39 13.0	120 50.2	120 50.2	120 50.2	H	0	0	0	0	0	0	0	0
CA00820	PLACER	120 215	215	215	215	GP	22000	22000	22000	22000	22000	22000	22000	22000
5 DFC	PG AND E	-654.2	-654.2	-654.2	-654.2		54800	54800	54800	54800	54800	54800	54800	54800
CA7SPK0327	HALSEY FORERAY	38 58.2	121 2.3	121 2.3	121 2.3	H	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
CA00832	PLACER	121 299	299	299	299	DP	66600	66600	66600	66600	66600	66600	66600	66600
5 DFC	PACIFIC GAS + ELECT CO	-659.2	-659.2	-659.2	-659.2		12000	12000	12000	12000	12000	12000	12000	12000







FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	DR. AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	OWNER		STATUS	MX STOR.	INC. CAP.	INC. ENERGY	EXIST. ENRG	ANUL. COST	ERC ECONOMIC		
CODE	FILE	STATUS	AVE. Q	PHR. HD.	TOT. CAP.	TOT. ENRGY	(MWH)	(1000 \$)	(SEQUENCE RANK)		
			(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)		
			(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)		
CACSPK0356	SMITH FORK DIV	PLUMAS	9 FK FEATHER	39 38.8	121 7.1	39 38.8	HI S	60.0	0	38,726	
CA00270	PLUMAS			121 7.1	DP	88	DP	4	37	1036.7	
5 DRC	OROVILLE WYANDOTE I D			39		38.9		4	37		
CATSPK0349	SONJA QUEEN	PLUMAS	LAST CHANCE C	40 2.9	120 34.8	40 2.9	HR	184.0	0	5166.4	
CA00284	PLUMAS			120 34.8	IS	88	IS	4	37	81.781	
5 DRC S				198		1678.3		12243	63175		
CATSPK0350	TURNTABLE	PLUMAS	MF FEATHER RI	39 51.5	120 52.0	39 51.5	HIR	245.0	0	5256.8	
CA00304	PLUMAS			120 52.0	IS	200	IS	4456	16626	262.33	
5 DRC S				200		207.7		4456	16626		
CATSPK0351	YELLOW CRK	PLUMAS	YELLOW CRK	40 0.9	121 15.0	40 0.9		120.0	0	3223.7	
CA00325	PLUMAS			121 15.0		11500		10953	21757	148.16	
5 DRC I				35		2144.8		10953	21757		
CACSPLO104	MATHEWS	RIVERSIDE	TRI CAJALCO C	33 49.9	117 27.6	33 49.9	S	264.0	0	51.383	
CA00212	METROPOLITAN WATER DIST			117 27.6	DP	16200	DP	150	853	60.210	
1 DRC				40		249.7		150	853		
CACSPLO998	PRADO DAM	RIVERSIDE	SANTA ANA RIV	34 54.0	117 37.9	34 54.0	C	106.0	0	35,306	
CA10022	DAENSPL			117 37.9	DP	314375	DP	0	0	1363485	
1 DRC				2255		29.9		0	0		
CACSPK0367	COUNTY LINE	SACRAMENTO	DEER CREEK	38 34.5	121 1.9	38 34.5	C, I, R	75.0	0	2133.7	
CA00095				121 1.9		40000		0	0	6667085	
5 DRC I				35		67.9		0	0		
CACSPK0368	HUTSON SCHOOL	SACRAMENTO	DRY CREEK	38 15.5	121 9.1	38 15.5		95.0	0	6172.8	
CA00154				121 9.1		0		0	0	6810171	
5 DRC I				304		61.9		0	0		
CACSPK0373	CAMANCHE RESERVOIR	SACRAMENTO	DRY CREEK	38 13.4	121 1.1	38 13.4	H S	171.0	0	898.76	
CA00173	SAN JOAQUIN	MOKELUMNE RIV		121 1.1	OP	431500		9000	35000	25,678	
2 DFC	EAST BAY M U DIST			621		136.1		9000	35000		40





FM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY	ERC NONECONOMIC
ACTV DEP	OWNER	AVE. Q	WPR. HD.	TOT. CAP.	TOT.ENERG	(1000 \$)	ERC COMPOSITE
CODE		(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(D M.M)	(AC FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS		(SQ.MI)	(FT)	(KW)	(MWH)		(SEQUENCE RANK)
CA78PK0376	BATTLE CREEK DIVERSION DAM	40 25.2	244.0	0	0	10904	
CAU0051	SHASTA	122 1.5	4490	24596	57072	191.5	
5 DRC I	HATTLE CREEK	332	194.8	24596	57072		
CA6SPK0377	BELIA VISTA	40 36.1	130.0	0	0	4562.8	
CAU0054	SHASTA	122 13.5	40000	987	6356	717.80	
5 DRC I	LITTLE COW CR	120	137.8	987	6356		
CA5SPK0378	BIG SPRINGS NO 3	41 11.0	50.0	0	0	3789.5	
CAU0057	SHASTA	122 3.9	0	36638	178235	21.261	
6 DRC I	MCCLLOUD RIVER	369	296.7	36638	178235		
CA7SPK0380	CHMONTON THBAS	41 2.0	258.0	0	0	8614.8	
CAU0062	SHASTA	122 12.9	5200	36854	192971	44.642	
6 DRC S	MCCLLOUD RIVER	604	257.7	36854	192971		
CA6SPK0421	COW CREEK POWERHOUSE	40 34.1	0	1440	11720	959.61	
CA08006	SHASTA	122 1.0	0	15782	21393	44.855	
2 DRC	PACIFIC GAS AND ELECT.	72	715.0	17222	33114		43
CA6SPK0382	DUTCH GULCH RESERVOIR	40 22.8	265.0	0	0	64610	
CAU0113	SHASTA	122 29.5	110000	59131	93982	687.47	
5 DRC D	COTTONWOOD CR	395	207.7	59131	93982		
CA4SPK0383	FALL RIVER MILLS	41 0.9	113.0	0	0	4690.5	
CAU0121	SHASTA	120 26.0	17500	1576	8485	552.79	
5 DRC E	PIT RIVER	2754	95.9	1576	8485		
CA6SPK0384	FIDDLERS LAKE	40 19.9	345.0	0	0	10828	
CAU0122	SHASTA	122 39.5	45000	22106	52492	206.28	
5 DRC D	MIDDLE FORK C	222	323.6	22106	52492		
CA6SPK0385	GAS POINT (M=5)	40 22.8	212.0	0	0	29396	
CAU0135	SHASTA	122 30.8	49000	4323	74054	396.95	
5 DRC I	NORTH FORK CO	388	171.8	4323	74054		



PM 2 ID NO	PROJECT NAME	PRIMRY CO.	NAME OF STREAM	LATITUDE	PRDJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	CO.	DR.AREA	LONGITUDE	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
CODE			(D AREA)	(D M.M)	AVE. Q	(FT)	TOT. CAP.	TOT.ENERG	(1000 \$)	ERC COMPOSITE
FILE			(D M.M)	(AC FT)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS			(SQ.MI)	(FT)	(KW)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
CA6SPK0393	MILLVILLE	SHASTA	SOUTH COW CREEK	40 32.3		247.0	0	0	6416.2	
CAU0212	SHASTA			122 7.8		150000	3800	20080	319.53	
5 DRC D				163		209.7	3800	20080		
CA6SPK0390	M-2	SHASTA	NORTH FORK CREEK	40 22.4		235.0	0	0	61175	
CAU0193	SHASTA			122 24.1		1625000	61901	99541	614.57	
5 DRC E				470		182.8	61901	99541		
CA6SPK0395	OLD COW	SHASTA	OLD COW CREEK	40 33.9		154.0	0	0	3002.0	
CAU0227	SHASTA			122 5.5		18000	273	2198	1365.7	
5 DRC S				75		122.8	273	2198		
CA6SPK0396	PALO CEDRO RESERVOIR	SHASTA	COW CREEK	40 28.2		90.0	0	0	7020.6	
CAU0234	SHASTA			122 13.7		160000	2987	20374	344.58	
5 DRC D				433		75.9	2987	20374		
CAJSPK0413	PIT NO 1 FORERAY	SHASTA	FALL RIVER	41 0.5	M	40.0	56000	264100	0	
CA00405	SHASTA			121 26.8	OP	2800	0	0	0	
5 DFC	PACIFIC GAS + ELECT CO.			676		453.5	56000	264100		02
CA00462	SHASTA			471		2931.0	151	401	70.761	
5 DRC	PACIFIC GAS + ELECT. CO.			471		40.2	151	401	176.31	
CACSPK0418	PIT NO 5 DIVERSION	SHASTA	PIT RIVER	41 0.0	M	10.0	0	0	3702.8	
CA00462	SHASTA			121 33.9	OP	0	13594	67899	54.534	
5 DRC	PACIFIC GAS + ELECT. CO.			4150		102.8	13594	67899		
CASSPK0397	PIT NO.2	SHASTA	PIT RIVER	40 34.9		220.0	0	0	11468	
CAU0245	SHASTA			122 31.1		200000	21519	33765	339.64	
5 DRC S				231		204.7	21519	33765		
CA6SPK0398	SAELTZER LAKE	SHASTA	CLEAR CREEK	40 34.9		220.0	0	0	11468	
CAU0262	SHASTA			122 31.1		200000	21519	33765	339.64	
5 DRC S				231		204.7	21519	33765		
CA6SPK0399	SALTMAN (M-3)	SHASTA	NORTH FORK CREEK	40 22.6		190.0	0	0	34210	
CAU0266	SHASTA			122 24.5		620000	24524	61531	555.98	
5 DRC E				431		144.8	24524	61531		

FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PURP.	STATUS	AVE. G	PWR. HD.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	INC. ENRGY	TOT. ENRGY	MANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - OWNER	DR. AREA (D.M.M)	DR. AREA (D.M.M)	DR. AREA (SQ.MI)	(CFS)	(AC FT)	(AC FT)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(1000 \$)	(SEQUENCE RANK)
ACTV CODE	FILE	(SQ.MI)	(SQ.MI)	(SQ.MI)	(CFS)	(AC FT)	(AC FT)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(1000 \$)	(SEQUENCE RANK)
STATUS	STATUS	(SQ.MI)	(SQ.MI)	(SQ.MI)	(CFS)	(AC FT)	(AC FT)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(1000 \$)	(SEQUENCE RANK)
CA7SPK0400	SELVESTER	40 24.0	122 45.4	30	325.0	32200	399.6	0	0	184	1487	1487	0	3832.2	
CAU0270	SHASTA	40 24.0	122 45.4	30	325.0	32200	399.6	0	0	184	1487	1487	0	2589.8	
5 DRC I															
CA1SPK0425	SHASTA LAKE	40 43.0	122 25.2	6665	7683.0	452090	325.5	533.0	1814050	639838	132812	1946863	12638	95.163	
CA10186	SHASTA	40 43.0	122 25.2	6665	7683.0	452090	325.5	533.0	1814050	639838	132812	1946863	12638	95.163	
5 DRC	US - WPRS														
CA5SPK0401	SUGAR LOAF	40 44.0	121 26.0	155	111.4	594.4	10.0	0	0	5203	42347	42347	0	1472.8	
CAU0291	SHASTA	40 44.0	121 26.0	155	111.4	594.4	10.0	0	0	5203	42347	42347	0	34.779	
6 DRC I															
CA6SPK0402	TOWERHOUSE	40 40.0	122 37.9	180	259.5	399.6	400.0	0	0	85640	60829	60829	0	30932	
CAU0303	SHASTA	40 40.0	122 37.9	180	259.5	399.6	400.0	0	0	85640	60829	60829	0	508.51	
5 DRC I															
CA6SPK0403	VACACILLA	40 38.4	122 12.5	98	127.2	121.8	168.0	0	0	641	4217	4217	0	12774	
CAU0308	SHASTA	40 38.4	122 12.5	98	127.2	121.8	168.0	0	0	641	4217	4217	0	3029.1	
5 DRC I															
CA6SPK0423	VOLTA POWERHOUSE	40 27.4	121 52.3	99	239.5	1252.7	0	0	6400	1000	39600	5000	44600	135.54	
CA08018	SHASTA	40 27.4	121 52.3	99	239.5	1252.7	0	0	6400	1000	39600	5000	44600	27.108	
2 DFC	PACIFIC GAS AND ELECT.														
CA6SPK0427	WHISKEYTOWN RESERVOIR	40 35.9	122 32.2	201	395.0	248.2	282.0	0	0	3000	17331	17331	0	331.9	
CA10204	SHASTA	40 35.9	122 32.2	201	395.0	248.2	282.0	0	0	3000	17331	17331	0	19.103	
2 DFC	US - WPRS														
CA1SPK9025	WHISKEYTOWN DIVERSION SPRING	40 31.0	122 32.5	201	1700.0	925.0	282.0	0	150000	0	608276	0	0	0	
CA10204	SHASTA	40 31.0	122 32.5	201	1700.0	925.0	282.0	0	150000	0	608276	0	0	0	
5 DRC	US - WPRS														
CA6SPK0404	WILLOW	41 9.4	122 9.9	42	83.6	246.7	291.0	0	0	2003	10600	10600	0	9532.5	
CAU0319	SHASTA	41 9.4	122 9.9	42	83.6	246.7	291.0	0	0	2003	10600	10600	0	899.27	
5 DRC I															

FM 2 ID NO	PROJECT NAME	LONGITUDE	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANNUAL COST	ERC ECONOMIC
ACTV DEP	PRIMARY CD.	DR.AREA	DR.AREA	STATUS	MX.STOR.	INC. CAP.	INC.ENERGY	ENERGY COST	ERC NONECONOMIC
CODE	OWNER	(D.M.M)	(D.M.M)	AVE. R	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE		(S.Q.MI)	(AC FT)	(CFS)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS									(SEQUENCE RANK)
CA59PK0429	GOODYEARS BAR	39 33.0	120 52.0		40.0	447607	662690	19.960	10
2 DRC I	SIERRA	239	-727.3	1528.4	0	447607	662690		
CA69PK0430	INDIAN VALLEY	39 30.9		440.0	0	0	0	12598	
CAU0157	SIERRA	121 1.0		180000	160011	235119	235119	53.584	20
2 DRC I		304	-925.1	429.5	160011	235119	235119		
CA79PK0431	RANDOLPH	39 33.5		157.0	0	0	0	3827.3	
CAU0255	SIERRA	120 20.9		21000	93	491	491	7766.1	
5 DRC I		22	-23.0	156.8	93	491	491		
CA69PK0432	SHEEP CAMP	39 42.0		82.0	0	0	0	3459.0	
CAU0272	SIERRA	120 30.0		65000	0	0	0	13215853	
5 DRC I		89	-101.1	60.9	0	0	0		
CAC8PK0434	STAMPEDE RESERVOIR	39 28.0		232.0	0	0	0	251.74	
CA10192	SIERRA	120 6.2		226500	2004	8828	8828	28.514	44
2 DRC	US - WPRS	150	178.0	182.8	2004	8828	8828		
CAG6PN0054	COPCO NO. 2	41 57.0		152.0	30000	139157	139157	0	
5 DRC I	SISKIYOU	122 25.2		13000	0	0	0	0	
	PAC PWR AND LI.	4300	2256.0	135.8	30000	139157	139157		
CAG6PN0052	IRON GATE	41 55.8		188.0	200000	224422	224422	0	
5 DRC I	SISKIYOU	122 26.9		10800	0	0	0	0	
	PAC PWR AND LI.	4573	2206.0	154.8	200000	224422	224422		
CA59PK0435	UPPERFALLS	41 14.0		25.0	0	0	0	2021.9	
CAU0307	SISKIYOU	122 1.9		100000	9838	86102	86102	23.483	
6 DRC I		264	-299.7	449.5	9838	86102	86102		
CA48PN0058	WARM SPRINGS DAM	41 58.8		210.0	0	0	0	6746.5	
2 DRC D	SISKIYOU	122 0.0		15000	90786	204573	204573	32.978	
	PAC PWR AND LTS	4080	1876.0	189.8	90786	204573	204573		

FM 2 ID NO	PROJECT NAME	STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG/ANNUL. COST	ERC ECONOMIC
ACTV DEP	PRIMRY CO.	OWNER	DR AREA	DR AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG/ENERGY COST	ERC NON-ECONOMIC
CODE			(D.M.M)	(D.M.M)	AVE. Q	(FT)	(KW)	(1000 \$)	(SEQUENCE RANK)
FILE			(D.M.M)	(D.M.M)	(CFS)	(AC FT)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS			(SQ.MI)	(SQ.MI)			(MWH)		(SEQUENCE RANK)
CAGSPN0053	SONOMA	STISKUYOU	41 55.6	122 25.5	H	135.0	26500	224708	5863.5
2	DRC S	PAC PWR AND LT	4300	2256.0	OP	439.5	286632	587122	16.179
CAGSPN0043	SONOMA	BIG SULPHUR	38 4.9	122 5.9	CS	401.0	0	0	276419627
CAU0025	SONOMA	SONOMA	122 5.9	122 79	S1	20600	117	651	424175809
5	DRC I	CORPS				379.6	117	651	
CAGSPN0042	SONOMA	KNIGHTS VALLEY	38 3.7	122 4.4	CS	454.0	0	0	18430
CAU0024	SONOMA	SONOMA	122 4.4	122 59	S1	150000	57	294	62623
5	DRC I	CORPS				249.7	57	294	
CAGSPN0044	SONOMA	WARM SPRINGS DAM	38 42.0	123 0.0	CR	319.0	0	0	1202.2
CA10247	SONOMA	DRY CREEK	123 0.0	130	UC	381000	21693	24111	49.861
2	DRC I	CORPS				250.7	21693	24111	
CAGSPN0059	SONOMA	WARM SPRINGS DAM	38 42.0	123 00.	CRS	319.0	0	0	0
5	DRC D	CORPS				2000	0	0	0
CAGSPK0436	EUGENE	LITTLE JOHNS	37 55.0	120 50.3		590.0	0	0	4832.3
CAU0118	STANISLAUS	STANISLAUS	120 50.3	1019		61.9	6393	36554	132.19
5	DRC I					1639.9	6393	36554	
CAGSPK0437	STANISLAUS	KNIGHTS FERRY	37 49.9	120 36.7	I,S,R	160.0	0	0	6767.2
CAU0177	STANISLAUS	STANISLAUS	120 36.7	986	S1	14500	94032	152113	44.468
2	DRC I					1327.0	94032	152113	19
CAGSPK1378	MONESTO	MONESTO RESERVOIR	37 39.4	120 40.5	I	36.0	0	0	244.24
CA00243	STANISLAUS	TUOLUMNE RIVER	120 40.5	20	OP	29000	1619	6874	35.527
2	DRC	MONESTO IRR DIST				30.9	1619	6874	56
CAGSPK1379	TUOLUMNE	TUOLUMNE LAKE	37 36.7	120 35.5	I	37.0	3300	11881	0
CA00279	STANISLAUS	TUOLUMNE RIVER	120 35.5	11	OP	49000	3300	11881	0
5	DRC	TUOLUMNE IRR DIST				33.0	3300	11881	48





FM 2 ID NO	PROJECT NAME	LAITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	LONGITUDE	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY.COST	ERC NONECONOMIC
ACTV CODE	OWNER	DR.AREA	AVE. G	PHR. HD.	TOT. CAP.	TOT.ENERGY	(1000 \$)	ERC COMPOSITE
CODE		(D.M.M)	(FT)	(MHH)	(MHH)	(MHH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(D.M.M)	(AC FT)	(KW)	(KW)	(KW)		(SEQUENCE RANK)
STATUS		(SQ.MI)	(CFS)	(FT)	(KW)	(KW)		(SEQUENCE RANK)
CA58PK0446	DEER CRK NO 3	40 0.9		10.0	0	0	5716.7	
CAU0103	TEHAMA	121 54.0		0	131294	143964	39.709	
6 DRC I		147	-236.2	1069.9	131294	143964		
CA58PK0447	DEER CRK NO 4	39 59.0		45.0	0	0	1335.9	
CAU0104	TEHAMA	121 56.9		0	732	6405	208.57	
5 DRC I		184	-295.7	197.8	732	6405		
CA68PK0449	DEHAVEN	40 13.0		150.0	0	0	2527.9	
CAU0107	TEHAMA	122 5.0		10000	2438	14546	173.79	
5 DRC I		123	-297.6	127.8	2438	14546		
CA68PK0450	DIPPINGVAT LAKE	40 9.2	CIP	343.0	0	0	5568.3	
CAU0110	TEHAMA	122 35.4	18	253000	19230	34003	163.75	
5 DRC D		132	120.0	320.6	19230	34003		
CA68PK0451	GALATIN	40 1.5	I.P.C	317.0	0	0	9145.4	
CAU0132	TEHAMA	122 30.4		250000	2221	9531	959.47	
5 DRC I		93	104.0	269.7	2221	9531		
CA68PK0452	HUNTER LAKE	40 12.8		165.0	0	0	4592.6	
CAU0153	TEHAMA	122 31.9		140000	2044	8979	511.46	
5 DRC I		211	-330.6	122.8	2044	8979		
CAG8PK0465	INSKIP POWERHOUSE	40 24.0	H	0	8000	47000	0	
CAG8014	TEHAMA	121 58.5	DP	0	0	0	0	
5 DFC	PACIFIC GAS AND ELECT.	292	-469.3	377.6	8000	47000		35
CA68PK0453	IRON CANYON	40 13.8		175.0	0	0	47610	
CAU0161	TEHAMA	122 11.7		150000	824271	1108958	42.932	
6 DRC I		9022	11420.0	154.8	824271	1108958		
CA68PK0455	PAIN DAM	40 0.0	FR	100.0	0	0	1837.1	
CAU0233	TEHAMA	122 0.0		12000	661	3803	483.6	
5 DRC I		92	-222.6	43.9	661	3803		



PH 2 ID NO	PROJECT NAME	LONGITUDE	PROJ. PURP.	DAH HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO. OWNER	OR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC ECONOMIC
FILE		(D M.M)	AVE. G	(FT)	(KW)	(MWH)	(1000 \$)	ERC ECONOMIC
STATUS		(SQ.MI)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	ERC ECONOMIC
CA68PK0464	WING LAKE	40 20.1		192.0	0	0	4868.1	
5 DRC 8	TEHAMA	122 27	-57.0	250000	288	2307	2109.9	
CA18PN0045	CLAYR ENGLE LAKE TRINITY	40 48.1	1H	537.0	106000	312858	5281.2	
CA10196	TRINITY	122 45.7	OP	2448000	213661	88426	59.724	
2 DRC 1	DOI USBR	692	1640.0	497.6	319661	401284		
CA48PK0469	EAST FORK	36 27.0		160.0	0	0	4635.6	
CAU0115	TULARE	118 46.9		0	20329	19674	235.62	
5 DRC 1		82	-67.2	579.4	20329	19674		
CA48PK9023	ELEPHANT KN08	35 59.1	CIHRD	600.0	0	0	15839	
CAU0370	TULARE	118 28.83	IS	275000	154830	194293	81.521	
5 DRC 1		779	634.0	499.5	154830	194293		
CA7SPK0471	JUNCTION (FAIRVIEW)	36 0.0		320.0	0	0	20276	
CAU0168	TULARE	118 28.9		190000	298960	404179	50.166	
6 DRC 1		750	-637.1	1038.9	298960	404179		
CAHSPK0479	KAWEAH NO 2 POWERHOUSE	36 27.7	H	7.0	1800	9121	0	
CA0A004	TULARE	118 51.7	OP	0	0	0	0	
5 DRC	SOUTHERN CALIF EDISON	166	99.0	367.0	1800	9121		05
CACSPK0485	LAKE KAWEAH-TERMINUS DAM	36 25.0	CIR	250.0	0	0	2695.2	
CA10114	TULARE	119 0.2	OP	266000	57933	73653	36.593	
2 DRC	DAEN SPK	561	573.0	202.0	57933	73653		33
CA68PK0472	LAMONT MEADOW	35 48.9	I AND R	200.0	0	0	2874.2	
CAU0180	TULARE	118 3.0		5000	72	169	16927	
5 DRC 1	CHIMNEY CREEK	34	-16.6	169.8	72	169		
CA48PK0473	LIMEKILN	35 15.9		200.0	0	0	6902.4	
CAU0183	TULARE	118 31.5		982	982	5292	1304.2	
5 DRC 1		642	-136.3	212.7	982	5292		

PM 2 ID NO	PROJECT NAME	LATITUDE	PRCJ.PURP.	DAM HT	EXIST.CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	ALONGITUDE	STATUS	MX.STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR.AREA	AVE. G	PPWR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
CODE		(D M. N)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(D M. N)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ. MI)	(CFS)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
CA6SPK0016	LITTLE KERN	38 10.0		1030.0	0	0	45828	
CAU0187	TULARE	118 26.9		25000	73043	109599	418.14	
5 DRC I		508	-192.6	954.0	73043	109599		
CA6SPK0075	MIDDLE FORK	36 8.0		140.0	0	0	2821.1	
CAU0207	TULARE	118 46.8		13000	65	363	7761.6	
5 DRC I		102	-40.1	118.8	65	363		
CA6SPK0077	QUINCY SCHOOL	35 48.9		109.0	0	0	3322.4	
CAU0251	TULARE	118 57.3		0	0	1	1926319	
5 DRC I		98	-38.8	92.9	0	1		
CA6SPK0078	ROCKHOUSE	35 46.9		315.0	0	0	4752.1	
CAU0257	TULARE	118 11.9		20000	298	1678	2831.4	
5 DRC S		423	-89.8	265.7	298	1678		
CA6SPK0080	SUCCESS LAKE	36 3.5		142.0	0	0	456.72	
CA10113	TULARE	118 55.1		20200	4000	11190	40.813	59
2 DFC	DAEN SPK	388	186.0	111.5	4000	11190		
CA6SPK0508	BEARDSLEY AFTERRAY	38 11.8		59.0	0	0	308.0	
CA00266	TUOLUMNE	120 5.4		320	3538	14457	21.304	31
2 DRC	DAKDALE S SAN JOAQUIN ID	303	635.0	48.9	3538	14457		
CA7SPK0487	BTG HUMBUG CREEK	37 53.0		225.0	0	0	8525.0	
CAU0056	TUOLUMNE	120 13.0		80000	199334	320171	26.826	26
2 DRC D		182	171.0	1778.2	199334	320171		
CA7SPK0488	BIG TREES	37 17.2		400.0	0	0	5026.4	
CA10058	TUOLUMNE	120 15.3		162000	1805	7392	679.96	
5 DRC I		147	-82.3	336.6	1805	7392		
CA7SPK0489	BROWNS MEADOW	38 7.1		233.0	0	0	2904.0	
CA10066	TUOLUMNE	120 4.7		76000	7	34	85899	
5 DRC E		11	29.0	221.7	7	34		

FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CD.	NAME OF STREAM	OWNER	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	FILE	DR. AREA	(D M.M)	AVE. Q	(FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
CODE	STATUS	(D M.M)	(SQ. MI)	(CF9)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE	STATUS	(D M.M)	(SQ. MI)	(CF9)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
CAJSPK0505	CHERRY LAKE	37 58.4	H S	315.0	135000	505515	9739.6	21	
CA00125	TUOLUMNE	119 54.4	DP	268000	630299	497179	19.589		
2 DRC	CITY COUNTY S FRANCISCO	193		670.0	765299	1002694			
CA7SPK0315	CLAVEY RES (HUNTER POINT DAM)	37 52.1	H S	190.0	0	0	16517		
2 DFC I	TUOLUMNE	120 3.8		2340	300000	612000	26.989		
CACSPK0500	EARLY IN TAKE	37 52.5	H S	56.0	0	0	92.844		
CA00120	TUOLUMNE	119 57.2	DP	115	292	1931	48.65		80
2 DRC	CITY COUNTY S FRANCISCO	488		311.0	292	1931			
CA7SPK0490	GANNS POWERHOUSE	38 24.4		380.0	0	0	16705		
CAU0133	TUOLUMNE	120 4.7		60000	21740	36587	456.59		
5 DRC I	NORTH FORK ST	120 49		1681.3	21740	36587			
CA6SPK0491	HARDIN FLAT RESERVOIR	37 48.3	H	215.0	0	0	3787.2		
CAU0144	TUOLUMNE	119 57.3	IS	42000	3096	11940	317.17		
5 DRC I	SAN FRANCISCO COUNTY	85		198.8	3096	11940			
CA9SPK0333	HUMBUG CR PUMPED STORAGE PRO	37 53.0		200.0	0	0	23337		
CAU0056	TUOLUMNE	120 12.3		0	1300000	1300000	17.951		
5 DFA D	RIG HUMBUG	0		1525.0	1300000	1300000			
CA7SPK0492	INGALLS	37 56.0		125.0	0	0	5844.0		
CAU0159	TUOLUMNE	120 13.0		65000	156342	237620	24.594		12
2 DRC I	DUCKWALL CREEK	102		1698.3	156342	237620			
CA6SPK0493	KENNEDY MEADOWS	38 18.5	J, R, S	121.0	0	0	2781.1		
CAU0176	TUOLUMNE	119 45.0		10000	87	558	4976.7		
5 DRC I	MIDDLE FORK S	48		111.8	187	558			
CACSPK0501	LAKE ELEANOR	37 58.4	H S	61.0	0	0	275.16		
CA00121	TUOLUMNE	119 52.7	DP	27800	3202	5624	48.921		
2 DRC	CITY COUNTY S FRANCISCO	78		65.0	3202	5624			66



PM 2 ID NO	PROJECT NAME	LATITUDE	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
PM 1 ID NO	PRIMARY CO. NAME	LONGITUDE	STATUS	MX.STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
ACTV CODE	OWNER	DR.AREA	AVE. G	PR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
FILE		(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SO.MT)		(FT)	(KW)	(MWH)		(SEQUENCE RANK)
CA58PK0497	SOUTH FORK	37 48.9		140.0	0	0	2325.3	
CAU0280	TUOLUMNE	120 0.0		0	7326	38261	60.775	
5 DRC I		108		823.1	7326	38261		
CA7SPK9028	SPICER MEADOWS (SAND FLAT PH)	38 23.6	H	240.0	0	0	7334.9	
CAU0380	TUOLUMNE	119 59.8	SP	165000	4022	30814	238.3	
5 DRC E	PG+E	42		839.1	4022	30814		
CA6SPK0514	SPICERS MEADOWS RESERVOIR	38 23.6	H I S	56.0	0	0	82.915	
CA00425	TUOLUMNE	119 59.8	DP	4062	266	1705	48.627	82
2 DRC	PACIFTC GAS + ELECT CO	42		54.9	266	1705		
CA6SPK0498	STONE MEADOW	37 50.9	ROI	115.0	0	0	1408.0	
CAU0290	TUOLUMNE	119 51.1		8500	0	4	312568	
5 DRC I	UNNAMED TRIB	47		88.9	0	4		
CA7SPK0499	UPPER CLAVEY	37 59.0		220.0	0	0	5115.0	
CAU0305	TUOLUMNE	120 3.0		60000	4098	165944	30.823	16
2 DRC I	CLAVEY RIVER	135		1798.2	4098	165944		
CA7SPK9034	HARDS FERRY	37 53.3	H, S	450.0	0	0	13245	
2 DRC I	TUOLUMNE	120 16.1		158800	100000	272000	48.697	
		1262		219.7	100000	272000		
CACSPL0133	SANTA FELICIA	34 27.6	S O I U	200.0	0	0	192.9	
CA00805	VENTURA	118 45.0	DP	100000	1376	3658	52.507	
2 SCP	UNITED WATER CONS DIST	422		176.5	1376	3658		06
CACSPL0134	(LAKE) CASITAS	34 22.6	ISC	285.0	0	0	43.952	
CA10139	VENTURA	119 19.7	DP	287000	108	188	233.31	
1 SCP	DOI USBR	39		266.7	108	188		
CA6SPK0517	BLUF RIDGE	38 56.0		775.0	0	0	187945	
CAU0062	YOLL	122 17.4		400000	24139	117925	1593.7	
5 DRC E	CACHE CREEK	960		510.4	24139	117925		

FM 2 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. PROJ.	EXIST. CAP.	INC. CAP.	HY. STOR.	AVE. G	PR. HD.	MD.	TOT. CAP.	(KW)	(MWH)	(1000 \$)	ENERGY COST	ERC ECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)	(SEQUENCE RANK)
								(D M.M)	(D M.M)	ST. PURP.	(FT)	(FT)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(\$/MWH)	(\$/MWH)				
CA6SPK0518					BROOKS		CACHE CRK	38 45.0	122 5.2	I,C	60.0	0	0	0	0	0	0	0	0	0	0	1879.4	0	0	0	0	0
5	DRC	I			YULO			122 10.4		-491.0	42.9	0	0	0	0	0	0	0	0	0	0	13068068	0	0	0	0	0
CA6SPK0519					GUINDA		CACHE CRK	38 50.5	122 11.4	I,R	170.0	0	0	0	0	0	0	0	0	0	0	11687	0	0	0	0	0
5	DRC	I			YULO			122 9.92		630.0	303000	75	75	75	75	75	75	75	75	75	237	49218	237	237	237	237	237
CA6SPK0522					BANGOR		NORTH HONCUT	39 23.4	121 28.0	R	53.0	0	0	0	0	0	0	0	0	0	0	3685.9	0	0	0	0	0
5	DRC	I			YUBA			121 47		-113.3	5200	5	5	5	5	5	5	5	5	5	27	132606	27	27	27	27	27
CA6SPK0530					HARRY L ENGLEBRIGHT LAKE			39 14.2		DHR	260.0	56100	56100	56100	56100	56100	56100	56100	56100	56100	282000	0	0	0	0	0	
5	DRC	I			YUBA		YUBA RIVER	121 16.0		NP	70000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA6SPK0523					MARVILL LAKE (PARKS BAR)			39 13.2		MICRO	368.0	0	0	0	0	0	0	0	0	0	0	62246	0	0	0	0	0
5	DRC	I			YUBA		YUBA RIVER	121 19.7		DM	950000	476008	476008	476008	476008	476008	476008	476008	476008	476008	611230	101.83	611230	611230	611230	611230	
CA6SPK0528					NEW BULLARDS BAR			39 23.6		S DIRH	635.0	284400	284400	284400	284400	284400	284400	284400	284400	284400	219441	0	0	0	0	0	
5	DRC	I			YUBA		NORTH YUBA RIVER	121 8.3		OP	999600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CA6SPK0527					VIRGINIA PANCH			39 19.3		S DIR	152.0	0	0	0	0	0	0	0	0	0	0	249.38	0	0	0	0	
2	DRC	I			FRENCH DRY CR		YUBA RIVER	121 18.6		DP	66000	1900	1900	1900	1900	1900	1900	1900	1900	1900	5712	43.659	5712	5712	5712	5712	
CA6SPK0525					HALDO		DRY CRK	39 6.9			227.0	0	0	0	0	0	0	0	0	0	0	6091.1	0	0	0	0	
5	DRC	I			YUBA			121 18.5		-108.9	300000	74	74	74	74	74	74	74	74	74	296	20553	296	296	296	296	
CA6SPK0526					NAHRO		N FK. YUBA RIVER	39 30.9			300.0	0	0	0	0	0	0	0	0	0	0	7032.9	0	0	0	0	
2	DRC	I			YUBA			121 5.9		-812.5	274.7	89877	89877	89877	89877	89877	89877	89877	89877	89877	132389	53.123	132389	132389	132389	132389	
								267			274.7	89877	89877	89877	89877	89877	89877	89877	89877	89877	132389	53.123	132389	132389	132389	132389	



PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF COLORADO

POTENTIAL INCREMENTAL CAPACITY RANGES												
	0.05 MW	5 MW	10 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW
	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV
	TOTAL	INCR	TOTAL	INCR	TOTAL	INCR	TOTAL	INCR	TOTAL	INCR	TOTAL	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
NUMBER	2	1	0	2	0	0	0	0	0	0	4	1
CAPACITY	5.9	1.1	0	13.1	0	0	0	0	0	0	19.3	1.1
ENERGY	22	9	0	55	0	0	0	0	0	0	77	9
NUMBER	1	4	0	0	0	0	0	0	0	0	1	4
CAPACITY	1.4	3.7	0	0	0	0	0	0	0	0	1.4	3.7
ENERGY	9	13	0	0	0	0	0	0	0	0	9	13
NUMBER	0	7	0	0	0	0	0	0	0	0	0	7
CAPACITY	0	12.6	0	0	0	0	0	0	0	0	0	12.6
ENERGY	0	41	0	0	0	0	0	0	0	0	0	41
NUMBER	5	12	1	13	1	9	16	1	6	8	7	21
CAPACITY	11.9	22.6	3.2	25.8	8.0	45.5	65.3	110.8	14.4	72.9	34.3	92.3
ENERGY	48	91	10	101	22	139	376	515	105	389	175	288
NUMBER	8	24	1	25	3	7	9	16	1	6	7	21
CAPACITY	19.2	40.1	3.2	43.3	21.1	45.5	65.3	110.8	14.4	72.9	34.3	92.3
ENERGY	79	155	10	164	77	139	376	515	105	389	175	288
TOTAL	19.2	40.1	3.2	43.3	21.1	45.5	65.3	110.8	14.4	72.9	34.3	92.3
ENERGY	79	155	10	164	77	139	376	515	105	389	175	288

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPACITY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PRELIMINARY ESTIMATE

PHYSICAL POTENTIAL FOR ADDITIONAL HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF COLORADO

POTENTIAL INCREMENTAL CAPACITY RANGES															
	.05 MW = 15 MW				15 MW = 25 MW				GREATER THAN 25 MW				TOTAL		
	EXIST	UNDEV	TOTAL	INST	EXIST	UNDEV	TOTAL	INST	EXIST	UNDEV	TOTAL	INST	EXIST	UNDEV	TOTAL
TYPE	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP
NUMBER	4	1	0	1	0	0	0	0	2	0	0	0	6	1	0
CAPACITY	19.0	1.1	0.0	1.1	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0	1.1	0.0	1.1
ENERGY	77.2	9.3	0.0	9.3	0.0	0.0	0.0	0.0	49.8	0.0	0.0	0.0	5.4	9.3	0.0
NUMBER	4	1	0	1	0	0	0	0	2	0	0	0	6	1	0
CAPACITY	19.0	1.1	0.0	1.1	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0	1.1	0.0	1.1
ENERGY	77.2	9.3	0.0	9.3	0.0	0.0	0.0	0.0	49.8	0.0	0.0	0.0	5.4	9.3	0.0
NUMBER	1	4	0	1	0	0	0	0	1	0	0	0	2	5	0
CAPACITY	1.3	3.7	0.0	3.7	0.0	15.5	0.0	15.5	45.0	0.0	0.0	0.0	46.4	19.2	0.0
ENERGY	9.0	13.2	0.0	13.2	0.0	37.9	0.0	37.9	117.7	0.0	0.0	0.0	117.7	51.1	0.0
NUMBER	0	7	0	7	0	0	0	0	0	0	0	0	0	7	1
CAPACITY	0.0	12.6	0.0	12.6	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	12.6	20.0
ENERGY	0.0	40.6	0.0	40.6	0.0	70.0	0.0	70.0	0.0	0.0	0.0	0.0	0.0	40.6	70.0
NUMBER	7	21	16	37	0	0	0	0	7	1	2	11	13	8	25
CAPACITY	34.2	92.3	141	234	0.0	45.2	104	149	24.0	185	632	817	817	62.2	323
ENERGY	175	288	774	1063	0.0	118	496	613	120	250	1948	2199	2199	295	656
NUMBER	12	33	16	49	0	3	6	9	4	2	11	13	13	16	36
CAPACITY	54.7	110	141	251	0.0	60.7	124	184	169	185	632	817	817	224	356
ENERGY	261	352	774	1125	0.0	156	566	721	696	250	1948	2199	2199	957	758
TOTAL	12	33	16	49	0	3	6	9	4	2	11	13	13	16	36
CAPACITY	54.7	110	141	251	0.0	60.7	124	184	169	185	632	817	817	224	356
ENERGY	261	352	774	1125	0.0	156	566	721	696	250	1948	2199	2199	957	758

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

FM 2 ID NO	PROJECT NAME	LATITUDE	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG.	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	LONGITUDE	STAJ.	MX.STOR.	INC. CAP.	INC.ENERG.	ENERGY COST	ERC NON-ECONOMIC
ACTV CODE	OWNER	DR.AREA	AVE. G	PMR. HD.	TOT. CAP.	TOT.ENERGY	(1000 \$)	(SEQUENCE RANK)
CODE		(D M.H)	(AC FT)	(PT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(D M.H)	(CFS)	(FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS		(SQ.MI)						(SEQUENCE RANK)
C06SPK0535	BLANCO	37 15.7		0	0	0	0	
9	ARCHULETA	106 45.8	SI	50000	0	0	0	
		68		-125.3	0	0	0	
C06SPK0536	CHROMO	37 0.3		0	0	0	0	
C000200	ARCHULETA	106 40.2	SI	450	0	0	0	
9		165		-643.5	0	0	0	
C05SPK0533	NAVAJO RIVER TO NAVAJO RESER	37 0.9	H	50.0	0	0	3470.5	
C000175	ARCHULETA	107 18.0	IS	0	14775	48920	70.942	
5		1068		-351.4	14775	48920		
C05SPK0532	RIO BLANCO RIVER TO NAVAJO P	37 0.9	H	50.0	0	0	3122.8	
C000174	ARCHULETA	107 11.0	IS	0	16015	59456	52.522	
5		564		-323.3	16015	59456		
C06SPK0534	TESORO	37 25.8		0	0	0	0	
C000196	ARCHULETA	106 50.1	SI	60000	0	0	0	
9		60		-161.2	0	0	0	
C05SPK0531	TURKEY CREEK	37 17.9	H	50.0	0	0	1599.0	
C000173	ARCHULETA	106 58.0	IS	0	6362	23046	69.384	
5		175		-120.3	6362	23046		
C00SWA0001	TWO BUTTES	37 38.2	R I	112.0	0	0	37.29	
C000759	BACA	102 32.3	OP	58934	2	19	1864.0	
5		466		-50.3	2	19		
C00SWA0003	JOHN MARTIN RESERVOIR	38 4.1	CIR	118.0	0	0	150.86	
C001283	RENT	102 56.1	OP	621300	801	2217	68.31	
2		18915		-272.3	801	2217		
C01MR00033	BARKER RESERVOIR	39 57.8	H	168.0	2000	3157	0	
C001276	BOLINDER	105 28.8	OP	12330	0	0	0	
5		39		-34.4	2000	3157	0	

PM 2 ID NO	PM 1 ID NO	ACTY DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	STATUS	AVE. 0	*PR. HD.	*MX. STOR.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	TOT. ENERGY	INC. ENERGY	ANNUAL ENERGY COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
								(D M M)	(D M M)	(CFS)	(FT)	(FT)	(AC FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)
					NORTH ST VRAI	BUTTON ROCK	CITY OF LONGMONT	40 13.0	105 22.4	S	OP	59.7	195.4	21493	0	1997	0	0	0	5496	0	220.93	40.198	0	1913	1913	1913
					GROSS DAM ONE			39 56.8	105 21.3	S	OP	-58.3	335.0	45000	0	2908	0	0	0	7771	0	276.71	35.607	0	1934	1934	1934
					RESERVOIR NO 22			39 56.6	105 19.0	S	OP	-68.4	340.0	46067	0	4139	0	0	0	10490	0	360.23	34.339	0	1942	1942	1942
					CLEAR CREEK RESERVOIR			39 1.3	106 14.6	I	OP	68.0	85.0	13560	0	23	0	0	0	206	0	45.240	219.50	0	1942	1942	1942
					CHAFFEE LAKE CREEK			39 4.7	106 18.8	SI	OP	170.0	66.0	53260	0	609	0	0	0	1943	0	118.55	60.986	0	1942	1942	1942
					TWIN LAKES RES NO 1			39 4.7	106 18.8	SI	OP	170.0	66.0	53260	0	609	0	0	0	1943	0	118.55	60.986	0	1942	1942	1942
					TERRACE IRR CO			37 21.5	106 17.0	R	OP	113.0	187.0	20296	0	1895	0	0	0	6213	0	218.34	35.141	0	1942	1942	1942
					CRAWFORD RESERVOIR			38 39.2	107 35.7	I, R	OP	-68.3	162.0	24069	0	309	0	0	0	1616	0	72.531	44.879	0	1942	1942	1942
					DELTA			107 35.7	107 35.7	OP	OP	-68.3	162.0	24069	0	309	0	0	0	1616	0	72.531	44.879	0	1942	1942	1942
					US MPRS			74	74	OP	OP	-68.3	162.0	24069	0	309	0	0	0	1616	0	72.531	44.879	0	1942	1942	1942
					TRI-COUNTY RESERVOIR			38 47.	107 56.	H	OP	-1737.6	100.0	20000	0	20000	0	0	0	70000	0	3100.0	44.286	0	1942	1942	1942
					DELTA			107 56.	107 56.	IS	OP	-1737.6	100.0	20000	0	20000	0	0	0	70000	0	3100.0	44.286	0	1942	1942	1942
					GUNNISON			5241	5241	OP	OP	-1737.6	100.0	20000	0	20000	0	0	0	70000	0	3100.0	44.286	0	1942	1942	1942

FM 2 ID NO	PROJECT NAME	STATUS	DAM HT	EXIST. CAP.	ANNUAL COST	ERC ECONOMIC
ACTV DEP	OWNER	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA
CODE	FILE	STATUS	DR AREA	DR AREA	DR AREA	DR AREA
FILE	STATUS	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA
STATUS	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA
C05SPK0540	GROUNDHOG	I	125.0	0	43.467	
C001084	DOLGRES	OP	28412	108	49.309	22
2 DRC	MONTEZUMA VALLEY IRR CO		102.8	108	877	
C05MR00045	CHATFIELD LAKE	CR	142.0	0	499.6	1927
C001281	DOUGLAS	OP	23500	5429	30.603	1927
2 NWR I	DAEN MRD		128.7	5429	16307	1927
C05MR00044	CHEESMAN	S	221.0	0	475.6	1938
C000357	DOUGLAS	OP	83434	5452	28.727	1938
2 NWR I	DENVER WATER BOARD		202.7	5452	16337	1938
C05SPK0543	BASALT	H	50.0	0	1705.0	
C0U0127	EAGLE	IS	98.9	6500	51.502	
5 DRC I			567	6500	33106	
C05SPK0545	BRUSH CREEK	H	50.0	0	1947.2	
C0U0135	EAGLE	IS	98.9	6796	42.724	
2 DRC I			598	6796	45577	23
C05SPK0553	DERRY CREEK TO SWEETWATER CR	H	20.0	0	4218.1	
C0U0143	EAGLE	IS	1.9	23282	30.968	
2 DRC I			3307	23282	136205	25
C05SPK0544	DOTZERO TO FOREBAY SHOSHONE	H	50.0	0	1761.5	
C0U0134	EAGLE	IS	11.0	5414	59.567	
5 DRC I			4390	5414	29572	
C05SPK0547	GORE CREEK TO LAKE CREEK	H	50.0	0	1974.1	
C0U0137	EAGLE	IS	36.4	8338	74.82	
5 DRC I			164	8338	26648	
C05SPK0546	GYPRUM	H	50.0	0	2284.3	
C0U0136	EAGLE	IS	56.9	8588	42.817	
2 DRC I			797	8588	53350	22



PM 2 ID NO	FM 1 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	DR. AREA	(D M.M)	(D M.M)	(SQ. MI)	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	INC. ENRGY	TOT. ENRGY	(MWH)	(MWH)	(MWH)	(1000 \$)	(\$/MWH)	COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)	
						TURKEY CREEK TO TWO ELK CREEK	EAGLE	EAGLE RIVER	39 33.9	106 24.0	164				H	50.0	0	256	0	256	0	2151	2151	0	783.65	364.22								
						MANITOU SPRINGS HYDROPLANT	EL PASO	RUXTON CREEK	38 51.3	104 55.9					HS	0	0	0	0	0	0	0	0	0	0	0	0							
						RUXTON PARK HYDROPLANT	EL PASO	RUXTON CREEK	38 50.5	104 58.4					HS	0	0	0	0	0	0	0	0	0	0	0	0							
						CANYON CR TO DEBEQUE RESERVOIR	GARFIELD	COLORADO RIVE	39 30.0	107 52.0	6122				H	50.0	0	106804	0	106804	0	513004	513004	0	8458.1	16.487							07	
						ROARING FORK	GARFIELD	ROARING FORK	39 25.0	107 13.9	651				H	50.0	0	15989	0	15989	0	51728	51728	0	2653.0	51.288								
						ROARING FORK	GARFIELD	ROARING FORK	39 32.9	107 20.0	1440				H	50.0	0	7395	0	7395	0	36171	36171	0	2251.7	62.253								
						CRYSTAL RIVER	GARFIELD	ROARING FORK	39 28.4	107 16.9	1276				H	50.0	0	12781	0	12781	0	63177	63177	0	2784.3	44.71							20	
						ELECTRA	GARFIELD	MEADOW CREEK	39 43.4	107 34.4	34				H	170.0	0	2477	0	2477	0	7392	7392	0	819.7	110.79								
						EMMA	GARFIELD	ROARING FORK	39 24.0	107 9.0	624				H	50.0	0	15745	0	15745	0	80207	80207	0	2746.5	34.242							15	

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. ENRG	MANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	LONGITUDE	STATUS	MX. STUR.	INC. CAP.	INC. ENRG	ERC COMPOSITE
ACTV DEP	OWNER	DR. AREA	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)
CODE		(D M. M)	(CFS)	(AC FT)	(KW)	(MHH)	(\$/MHH)
FILE		(D M. M)	(CFS)	(AC FT)	(KW)	(MHH)	(\$/MHH)
STATUS		(SQ. MI)	(CFS)	(AC FT)	(KW)	(MHH)	(\$/MHH)
C05SPK0573	GLENWOOD SPRINGS	39 32.9	H	50.0	32027	169047	4880.8
C0U0132	GARFIELD	107 20.0	IS	0	32027	169047	25.323
2	DRC I	4493	-1415.9	186.8	0	0	02
C05SPK0563	LOWER BEAR WALLOW	39 34.9		462.0	0	0	3961.5
C0U0109	GARFIELD	107 26.7	IS	0	181	1526	2594.5
9	ICT I		-55.0	451.5	181	1526	
C05SPK0571	MILE 4.7 TO MOUTH	39 21.9	H	50.0	0	0	1947.8
C0U0123	GARFIELD	107 1.9	IS	0	10567	34948	55.733
5	DRC I	275	-148.7	367.6	10567	34948	
C05SPK0567	RED CANYON	39 30.9	H	50.0	0	0	2259.7
C0U0113	GARFIELD	107 18.9	IS	0	6009	40948	55.183
5	DRC I	1370	-671.5	117.8	6009	40948	
C0CSPK0576	RIFLE GAP RESERVOIR	39 37.8	ICR	120.0	0	0	41.189
C0U0162	GARFIELD	107 45.7	DP	18267	87	385	106.93
5	DRC	140	25.0	101.8	87	385	
C04SPK0565	ROARING FORK TO CANYON CREEK	39 33.9	H	125.0	0	0	7001.2
C0U0111	GARFIELD	107 26.9	IS	0	83707	217213	32.231
6	DRC I	6020	-3612.7	113.8	83707	217213	
C04SPK0577	SHOSHONE PH	39 33.9	H	0	14400	108957	3370.7
C0U0805	GARFIELD	107 13.6	DP	0	87045	144590	23.312
2	DRC	4520	-2721.6	170.0	101445	253547	
C09SPK9031	AZURE	39 58.1	H	115.0	0	0	16594
5	DFA D	GRAND	IS	20600	1076749	1100820	15.74
		2628	935.0	1178.8	1076749	1100820	
C05SPK0616	COLORADO UTAH LINE	38 45.0	H	50.0	0	0	2337.3
C0U0094	GRAND	109 3.9	IS	0	4241	14648	159.56
5	DRC I	1850	-260.3	119.8	4241	14648	

01

02



PM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	DR. AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	OWNER	TR	STATUS	AVE. G	MX. STOR.	INC. CAP.	ENRGY ENERGY	ENRGY COST	ERC NON-ECONOMIC	ERC COMPOSITE	
ACTV DEP	DR. AREA	(D M.M)	(D M.M)	(S.MI)	(AC FT)	(AC FT)	(KW)	(KW)	(KW)	(1000 \$)	(SEQUENCE RANK)
CODE	(D M.M)	(S.MI)	(CFS)	(FT)	(FT)	(KW)	(MHH)	(MHH)	(MHH)	(\$/MHH)	(SEQUENCE RANK)
FILE	(S.MI)	(CFS)	(FT)	(FT)	(KW)	(MHH)	(MHH)	(MHH)	(MHH)	(MHH)	(SEQUENCE RANK)
STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS
C0C8PK0581	EAST BRANCH DAM	GRAND	TR=WILLIAMS F	39 50.3	106 3.5	39 50.3	D	120.0	0	0	48.147
C000708	AMERICAN METAL CLIMAX	GRAND		106 3.5	3001	3001	DP	3001	135	1170	41.148
2 DRC				89	103.0	101.8			135	1170	19
C058PK0578	GORE CANYON	GRAND		39 59.0	106 30.6	39 59.0	H	50.0	0	0	3112.0
C0U0147	COLORADO RIVER	GRAND		106 30.6	2360	2360	IS	362.6	31799	179254	17.361
2 DRC I				2360	-773.4	362.6			31799	179254	08
C058PK0579	GORE CANYON SITE TO STATE BR	GRAND		39 51.5	106 39.0	39 51.5	H	50.0	0	0	4581.3
C0U0148	COLORADO RIVER	GRAND		106 39.0	2628	2628	IS	234.7	20586	117087	39.127
2 DRC I				2628	-780.4	234.7			20586	117087	11
C0C8PK0584	LAKE GRANBY	GRAND		40 7.9	105 52.0	40 7.9	IR	231.0	0	0	235.95
C0U0156	WILLON CREEK RESERVOIR	US - WPRS		105 52.0	54000	54000	DP	286.7	2300	23209	10.166
2 DFC				312	83.0	286.7			2300	23209	07
C0C8PK0586	WILLON CREEK RESERVOIR	GRAND		40 6.8	105 56.4	40 6.8	IR	11200	0	0	40.792
C0U0170	WILLON CREEK	US - WPRS		105 56.4	134	134	DP	107.8	82	632	64.527
5 DRC				134	30.0	107.8			82	632	
C058PK0596	ALMONT TO BLUE MESA DAM BACK	GUNNISON		38 30.0	107 1.5	38 30.0	IS	50.0	0	0	4273.7
C0U0160	GUNNISON RIVER	GUNNISON		107 1.5	735	735	IS	440.5	21855	102612	41.848
2 DRC I				735	-364.4	440.5			21855	102612	16
C078PK0592	ALMONT (EAST RIVER)	GUNNISON		38 44.0	106 51.7	38 44.0	H	0	0	0	0
C0U0155	EAST RIVER	GUNNISON		106 51.7	250	250	IS	405.0	0	0	0
9 ICT I				250	-291.0	405.0			0	0	
C058PK0595	ALMONT (TAYLOR RIVER)	GUNNISON		38 41.0	106 50.9	38 41.0	H	50.0	0	0	1904.9
C0U0159	TAYLOR RIVER	GUNNISON		106 50.9	451	451	IS	299.7	7040	33453	56.943
5 DRC I				451	-174.6	299.7			7040	33453	
C068PK0593	CEMENT CREEK	GUNNISON		38 49.9	106 46.0	38 49.9	H	0	0	0	0
C0U0156	CEMENT CREEK	GUNNISON		106 46.0	29	29	IS	4000	0	0	0
9 ICT I				29	-25.3	4000			0	0	

PM 2 ID NO	FM 1 ID NO	ACTV DEP	CODE CODE	FILE	STATUS	PRIMARY CO.	NAME OF STREAM	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG.	ANUL. COST	ERC ECONOMIC
5	5	5	5	5	5	5	5	5	(D.M.N)	(D.M.N)	(D.M.N)	(FT)	(KW)	(KW)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
									(80.M)	(80.M)	(80.M)	(FT)	(KW)	(KW)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
C06SPK0002	C06SPK0002					EAST RIVER	EAST RIVER	GUNNISON	38 49.9	106 54.8	H	74.0	0	27	27	0	1147.8	
5	5								94	-101.5	IS	62.9	242	242	0	4730.3		
C05SPK0597	C05SPK0597					GATVIEW SITE	LAKE FORK OF	GUNNISON	38 23.0	107 14.5	H	50.0	0	0	0	0	1521.4	
5	5								338	-127.8	IS	319.6	6180	6180	26118	58.250		
C05SPK0590	C05SPK0590					LOTTIS CR TO CRYSTAL CR	TAYLOR RIVER	GUNNISON	39 45.0	106 41.4	H	50.0	0	4947	4947	0	1508.3	
5	5								297	-117.5	IS	309.6	4947	4947	23270	64.817		
C0CSPK0605	C0CSPK0605					PANNIA RESERVOIR	MUDDY CREEK	GUNNISON	38 56.6	107 20.9	ICR	199.0	0	9235	9235	0	752.2	09
2	2					US - WPRS			251	-293.4	OP	182.6	9235	9235	24846	30.266		
C0CSPK0606	C0CSPK0606					STLVER JACK RESERVOIR	CIMARRON CREEK	GUNNISON	38 14.0	107 32.6	ICR	138.0	0	1155	1155	0	157.48	16
2	2					US - WPRS			67	89.0	OP	125.4	1155	1155	4018	39.195		
C05SPK0598	C05SPK0598					SOMERSET TO MOUTH	NORTH FORK	GUNNISON	38 46.9	107 50.0		50.0	0	0	0	4957.1		
2	2								521	-206.2		948.0	30293	30293	124978	39.664		12
C0CSPK0600	C0CSPK0600					SPRING CREEK	SPRING CREEK	GUNNISON	38 51.7	106 42.5	R	50.0	0	1821	1821	0	201.54	
2	2					US - WPRS			350	-248.2	OP	41.9	1821	1821	5765	34.958		14
C05SPK0591	C05SPK0591					SPRING CREEK (USGS UNDEVELOP)	TAYLOR RIVER	GUNNISON	38 43.4	106 46.5	H	50.0	0	7792	7792	0	1591.3	
2	2								337	-131.3	IS	439.5	7792	7792	36909	43.116		24
C0CSPK0601	C0CSPK0601					TAYLOR PARK	TAYLOR RIVER	GUNNISON	38 49.1	106 36.3	I	206.0	0	12985	12985	0	869.43	
2	2					US - WPRS			254	195.0	OP	191.8	12985	12985	28797	30.191		08



PM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	STATUS	MX.STOR.	INC. CAP.	INC.ENERGY	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER	AVE. G	*PWR. HD.	TOT. CAP.	TOT.ENERGY	(1000 \$)	ERC COMPOSITE
CODE	DR.AREA	(FT)	(MW)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE	(D.M.M)	(AC FT)	(KW)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
STATUS	(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
COCSPK0614	VALLECITO RESERVOIR	I	162.0	0	0	590.23	
CO01695	LAPLAYA	OP	129708	6539	21562	27.373	
2 DRC	US - WPRS	349.0	117.8	6539	21562		06
COIMR00811	BIG THOMPSON	H	0	4500	13000	0	
5 DRA I	LARTNER	DP	0	0	0	0	
	N. CO. WATER CONSERVANCY DIS	0	0	0	0	0	
COCMR00079	CARTER LAKE	IHR	184.0	0	0	1120.5	1976
CO01650	LARTNER	OP	116800	23654	64087	17.484	1976
2 NWR I	DOI USBR	705.0	171.0	23654	64087		1976 1976
COIMR00812	FLAT IRON 1 AND 2	H	0	63000	261100	0	
5 DRA I	LARTNER	DP	0	0	0	0	
	N. CO. WATER CONSERVANCY DIS	0	0	0	0	0	
COCMR00082	HORSETOOTH RESERVOIR	IR	105.0	0	0	176.56	1900
CO01659	LARTNER	DP	151800	1329	4031	43.797	1900
2 NWR I	DOI USBR	112.1	91.9	1329	4031		1900 1900
COIMR00084	LAKE ESTES	H	0	45000	107800	0	
CO01662	LARTNER	DP	3070	0	0	0	
5 DRA I	N. CO. WATER CONSERVANCY DIS	-82.7	-33.2	0	0	0	
COIMR00083	MARYS LAKE	H	0	8100	40400	0	
CO01660	LARTNER	DP	1150	0	0	0	
5 DRA I	N. CO. WATER CONSERVANCY DIS	-0.6	-17.7	0	0	0	
COIMR00813	POLF HILL	H	0	33250	207300	0	
5 DRA I	LARTNER	DP	0	0	0	0	
	N. CO. WATER CONSERVANCY DIS	0	0	0	0	0	
COCMAN0028	TRINIDAD	CIRD	200.0	0	0	126.31	
CO00050	LAS ANIMAS	DP	150800	825	2738	46.189	
2 SCP I	DAEN SWA	72.0	125.8	825	2738		

PM 2 ID NO	PROJECT NAME	PRIMARY CO.	OWNER	STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	NAME OF STREAM	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ANUL. COST	ERC ECONOMIC	
ACTV DEP	DR AREA	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	AVE. Q	MPWR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE	
CODE	(SP.MI)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(CFS)	(FT)	(FT)	(FT)	(\$/MWH)	(SEQUENCE RANK)	
FILE	(SR.MI)	(FT)	(FT)	(FT)	(FT)	(FT)	(CFS)	(FT)	(FT)	(FT)	(\$/MWH)	(SEQUENCE RANK)	
STATUS													
C06SPK0618	DEREQUE	39 13.5	108 15.4	108 15.4	108 15.4	108 15.4	650000	417.0	582747	783940	24524		
COU0108	MESA	7141					-3408.6	403.5	582747	783940	31.283		
6 DRC I													
COASPK9038	GRAND VALLEY DIVERSION DAM	39 11.3	108 16.7	108 16.7	108 16.7	108 16.7		25.0	0	0	270.51		
COASPK9038	MESA	8055					4850.0	12.9	1145	9360	28.901		
2 DFC	DOI WPRS								1145	9360			
COASPK0617	GUNNISON RIVER TO DEWEY SITE	39 11.0	108 54.4	108 54.4	108 54.4	108 54.4		155.0	0	0	24146		
COU0096	MESA	22000					-6797.0	143.8	607025	585280	41.256		
6 DRC I									607025	585280			
C0C8PK0625	JERRY CREEK NO 1	39 11.0	108 6.3	108 6.3	108 6.3	108 6.3		57.0	0	0	81.440		
COU1037	MESA	389					150.0	47.9	275	1700	47.892		
2 DRC	UTE WATER CONSRVNCY DIST								275	1700			
C0H8PK0629	LOWER MOLINA PH	39 8.8	108 0.3	108 0.3	108 0.3	108 0.3		0	4860	11073	0		
COU8003	MESA	20					50.0	1598.4	4860	11073	0		
5 DRC	US WPRS								4860	11073			
C05SPK0619	PALISADE TO MOUTH OF GUNNISON	39 2.9	108 33.9	108 33.9	108 33.9	108 33.9		50.0	0	0	6991.5		
COU0151	MESA	7950					-1673.4	161.8	51630	173078	40.395		
6 DRC I									51630	173078			
C0G8PK0627	REDLANDS PH	39 2.9	108 35.6	108 35.6	108 35.6	108 35.6		0	1400	12068	935.44		
COU0000	MESA	8020					-2571.1	35.0	15504	34918	26.789		
2 DRC	REDLANDS WTR AND PWR CO								15904	46986			
C05SPK0621	WHITEWATER DS TO MOUTH OF RIVER	39 2.9	108 33.9	108 33.9	108 33.9	108 33.9		50.0	0	0	4931.5		
COU0171	MESA	8000					-1475.8	89.9	17060	84801	58.154		
5 DRC I									17060	84801			
C0G8PK0620	WHITEWATER	38 58.0	108 26.9	108 26.9	108 26.9	108 26.9		250.0	0	0	23305		
COU0170	MESA	8000					-2562.5	238.7	306554	304007	76.661		
6 5CP I									306554	304007			

FM 2 ID NO	ACTV DEP	FILE	STATUS	PRIMARY CO.	PROJECT NAME	LATITUDE	LONGITUDE	DR AREA	(D M N)	(S Q MI)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
9	ICT D			MINERAL	WEST FORK SAN	37 30.0	106 54.9	81	80000	-136.2	0	0	0	0	0	0	0	0
2	DRC D			MINERAL	WAGON WHEEL GAP	37 45.1	106 45.8	IC	253.0	525000	22041	0	59590	4534.4	0	0	0	0
2	DRC E			MOFFAT	CROSS MOUNTAIN	40 28.0	108 21.3	IS	15.0	174.8	18238	0	52760	2266.4	0	0	0	0
2	DRC D			MOFFAT	CROSS MT (JUNIPER-CROSS MOUNT)	40 28.0	108 21.3	IS	260.0	229.7	130406	0	125413	7076.3	0	0	0	0
6	DRC I			MOFFAT	GREEN RIVER	40 32.9	109 1.0	IS	530.0	518.4	427171	0	781687	16621	0	0	0	0
2	DRC I			MOFFAT	YAMPA RIVER	40 28.0	107 56.9	HI	220.0	193.8	147781	0	161339	10417	0	0	0	0
5	DRC I			MOFFAT	YAMPA RIVER	40 28.0	108 33.0	IS	80.0	68.9	10392	0	27158	3589.9	0	0	0	0
5	DRC I			MOFFAT	POT HOOK RESERVOIR	40 59.7	107 23.2	C	161.0	123.8	92	0	663	1137.8	0	0	0	0
2	DRC			MOFFAT	SLATER CREEK	37 34.9	108 35.0	IS	270.0	256.7	9927	0	101723	2864.2	0	0	0	0
2	DRC			US - WPRS	DOLORIS RIVER	37 34.9	108 35.0	UC	39300	-670.2	9927	0	101723	28.157	0	0	0	0



FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	STATUS	AVE. Q	PR. HD.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	INC. ENRGY	TOT. ENRGY	ANNUAL COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. OWNER	DR. AREA	(D M. M)	(D M. M)	(AC FT)	(KW)	(MW)	(MW)	(MW)	(MW)	(1000 \$)	(S/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
C05SPK0651	DURAY NO 1	37 59.0	107 39.4	H	IS	50.0	0	0	0	4803	434.5	90.360	0	0	0
C00U0168	DURAY	18				1128.8	1486	1486	4803	4803	90.360		0	0	0
S DRC I															
C05SPK0652	DURAY NO.3	38 4.5	107 41.9	H	IS	50.0	0	0	0	20473	1096.6	53.562	0	0	0
C00U0169	DURAY	148				474.5	5123	5123	20473	20473	53.562		0	0	0
S DRC I															
C06SPK9003	RINDWAY RES	38 13.5	107 45.1	ISCR	UC	227.0	0	0	0	17064	494.13	28.956	0	0	0
C00U0186	DURAY	264				60000	5787	5787	17064	17064	28.956		0	0	0
2 DRC						220.7	5787	5787	17064	17064					
C06HR00093	TARRYALL	39 13.0	105 35.6	R	DP	70.0	0	0	0	6559	209.80	31.985	0	0	0
C000342	PARK	320				15665	2265	2265	6559	6559	31.985		0	0	0
2 NWR I	COLD DIV OF WILDLIFE					51.6	2265	2265	6559	6559					
C05SPK0659	ASPEN	39 12.0	106 50.0	H	IS	50.0	0	0	0	4617	682.73	139.19	0	0	0
C00U0130	PITKIN	109				259.7	615	615	4617	4617	139.19		0	0	0
5 DRC I	ROARING FORK														
C05SPK0660	CASTLE CREEK	39 16.5	106 53.5	H	IS	50.0	0	0	0	32179	1736.4	53.959	0	0	0
C00U0131	PITKIN	224				479.5	7591	7591	32179	32179	53.959		0	0	0
5 DRC I	ROARING FORK														
C05SPK0656	CHAIR MOUNTAIN	39 9.0	107 15.0	H	IS	50.0	0	0	0	14186	1194.8	84.227	0	0	0
C00U0120	PITKIN	94				299.7	3629	3629	14186	14186	84.227		0	0	0
5 DRC I	CRYSTAL RIVER														
C05SPK0588	CRYSTAL	39 3.9	107 9.9	H	IS	50.0	0	0	0	15628	866.30	55.431	0	0	0
C00U0122	PITKIN	40				779.2	3979	3979	15628	15628	55.431		0	0	0
5 DRC I	CRYSTAL RIVER														
C05SPK0655	HOT SPRINGS	39 15.9	107 13.4	H	IS	50.0	0	0	0	21324	1324.6	62.118	0	0	0
C00U0118	PITKIN	168				252.7	5439	5439	21324	21324	62.118		0	0	0
5 DRC I	CRYSTAL RIVER														

1908 1908 1908









FM 2 ID NO	PROJECT NAME	PRIMRY CO.	NAME OF STREAM	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
ACTV DEP	FILE	STATUS	DR. AREA	AVE. B	PHR. HD.	MX. STOR.	TOT. CAP.	TOT. ENRGY	(MWH)	(1000 \$)	(SEQUENCE RANK)	ERC COMPOSITE	
CODE	STATUS	(CFS)	(D M.M)	(D M.M)	(30 MI)	(AC FT)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)	ERC COMPOSITE	
C06SPK0686	SILVERTON DAMSITE	SAN JUAN	ANIMAS RIVER	H	37 45.0	107 39.9	IS	16478	17727	0	2590.7	70,279	
5 SAN I					158	-288.6	239.7	17727	36863	0	70,279		
C05SPK0696	HORSEFLY CREEK	SAN MIGUEL		H	38 12.0		50.0	0	0	0	2364.5		
2 DRC I					108 18.5	-198.8	405.5	10385	51536	0	45,861		05
C05SPK0697	HORSEFLY SITE TO MOUTH	SAN MIGUEL		H	38 23.0		50.0	0	0	0	4994.4		
5 DRC I					108 48.0	-111.4	1242.7	31822	88526	0	56,417		
C05SPK0690	HOWARDS FORK	SAN MIGUEL		H	37 56.4		50.0	0	0	0	558.48		
2 DFC I					107 54.0	-7.9	639.3	3200	9800	0	56,988		
C0CSPK0699	LILY LANDS	SAN MIGUEL		I	38 5.5		50.0	0	0	0	50.31		
5 DRC					108 20.9	-129.7	42.9	69	565	0	88,469		
C05SPK0692	PLACERVILLE	SAN MIGUEL		H	38 1.5		50.0	0	0	0	817.68		
5 DRC I					108 3.9	-70.4	239.7	859	6459	0	126.59		
C04SPK0694	SALTADO DAM SITE	SAN MIGUEL		H	38 3.9		282.0	0	0	0	3452.4		
5 DRC I					108 9.9	-253.8	270.7	18948	40588	0	85.59		
C05SPK0695	SALTADO DS TO MCKENZIE CREEK	SAN MIGUEL		H	38 8.0		50.0	0	0	0	1617.1		
2 DRC I					108 13.0	-153.3	344.6	7165	33771	0	47,884		06
C05SPK0691	SAMPIT	SAN MIGUEL		H	37 59.4		50.0	0	0	0	880.48		
5 DRC I					108 0.4	-48.5	489.5	3142	15162	0	57,993		

FM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL. COST	ERC ECONOMIC
ACTV DEP	NAME OF STREAM	STATUS	MX.STDR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
CODE	DR.AREA	AVE. Q	PRR. HD.	TOT. CAP.	TOT.ENERG	(1000 \$)	ERC COMPOSITE
FILE	(D M.M)	(CFS)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
COJSPK0701	TROUT LAKE	H	43.0	3600	7766	0	
CO00184	SAN MIGUEL	OP	4112	0	0	0	
5 DRC	WESTERN COLD POWER CO	OP	1015.0	3600	7766	0	
COSSPK0702	ACORN CREEK	H	50.0	0	0	1668.7	
COU0149	SUMMIT	IS	0	4143	24968	66.835	
5 DRC I	BLUE RIVER	IS	234.7	4143	24968		
COCSPK0706	DILION	S	240.0	0	0	540.88	
CO02005	SUMMIT	OP	252678	6426	20246	26.715	
2 DRC	DENVER WATER BOARD	OP	215.7	6426	20246		05
COSSPK0703	TAILWATER GREEN MTN DAM TO	H	50.0	0	0	1737.7	
COU0150	SUMMIT	IS	0	5086	32527	53.425	
5 DRC I	BLUE RIVER	IS	164.6	5086	32527		



... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF CONNECTICUT

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW = 5 MW			5 MW = 10 MW			10 MW = 15 MW			.05 MW = 15 MW		
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
	INCR	POTEN	INCR	INCR	POTEN	INCR	INCR	POTEN	INCR	INCR	POTEN	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
NUMBER	3	15	0	1	0	0	0	0	0	0	0	4
CAPCTY	1.8	10.5	0	8.4	0	0	0	0	0	0	0	10.5
ENERGY	8	60	0	46	0	0	0	0	0	0	0	60
NUMBER	4	16	0	1	0	0	1	0	0	0	0	5
CAPCTY	6.5	12.8	0	9.0	5.7	0	5.7	0	0	0	0	17
ENERGY	25	56	0	40	34	0	34	0	0	0	0	18.5
NUMBER	0	5	0	1	0	0	0	0	0	0	0	1
CAPCTY	0	4.4	0	4.4	8.0	0	0	0	0	0	0	8.0
ENERGY	0	16	0	16	28	0	0	0	0	0	0	28
NUMBER	0	5	0	0	0	0	0	0	0	0	0	0
CAPCTY	0	6.2	0	0	0	0	0	0	0	0	0	0
ENERGY	0	23	0	0	0	0	0	0	0	0	0	0
NUMBER	7	41	0	3	1	0	1	0	0	0	0	10
CAPCTY	8.3	33.8	0	25.4	5.7	0	5.7	0	0	0	0	33.7
ENERGY	33	155	0	114	34	0	34	0	0	0	0	147
TOTAL	15	80	0	56	16	0	16	0	0	0	0	23
TOTAL	41	200	0	144	42	0	42	0	0	0	0	42
TOTAL	41	200	0	144	42	0	42	0	0	0	0	42

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)







PM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.CAP.	ENRGANUL.COST	ERC ECONOMIC
PM 1 ID NO	PRIMARY CO.-NAME OF STREAM	STATUS	MX.STOR.	INC. CAP.	INC.ENERGY	ERC NONECONOMIC
ACTV DEP	OWNER	AVE. Q	PHR. HD.	TOT. CAP.	TOT.ENERGY	ERC COMPOSITE
CODE	DR.AREA	(CFS)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
FILE	(D M.H)	(CFS)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
STATUS	(SQ.MI)	(CFS)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
CTNED9064	HGRACK DAM	8	0	0	0	1242
CT 541	HARYFORD	DP	14040	4353	14171	1242
2 DRC I	MDC	-247.4	104.0	4353	14171	1242
CTNED8002	RAINBOW POND	H	60.0	8000	28000	1410
CT60039	HARTFORD	DP	0	2568	6140	1410
2 DRC	FARMINGTON RIVER WATER CO.	-1063.4	60.0	10568	34140	1410
CTNED8912	BANTA PROJECT L1	0	50.0	0	0	1421
CT01019	LYTCHFIELD BANTAUS RIVER	DP	0	344	1462	1421
2 DRC	CT. LIGHT AND POWER	-65.5	50.0	344	1462	1421
CTNED0081	BARKHAMSTED RS	8	0	0	0	1236
CT 376	LYTCHFIELD E BR FAR R	DP	101000	750	4025	1236
2 DRC I	MDC	-103.4	135.0	750	4025	1236
CTNED8007	BULLS BRIDGE	H	15.0	8400	46357	1236
CT60548	LYTCHFIELD HOUSATONIC RI	DP	0	0	0	1421
2 DPC	CT LIGHT AND POWER	-1374.1	14.9	8400	46357	1421
CTLNED8005	CANDLEWOOD LAKE-ROCKY RIVER	H	200.0	24000	12496	1236
CT60224	LYTCHFIELD CANDLEWOOD LA	DP	0	0	0	1236
2 DFC	CT LIGHT AND POWER	-70.6	199.6	24000	12496	1236
CTNED0071	COLFBRK RV LK	CRS	0	0	0	1257
CT70506	LYTCHFIELD W B FARM R	DP	132000	848	5155	1257
2 DRC I	DAEN NED	-229.9	60.0	848	5155	1257
CTNED8918	COMPENSATING RIVER	8	45.0	0	0	1349
CT00371	LYTCHFIELD EAST BRANCH F	DP	0	465	2365	1349
2 DRC	METROPOLITAIN DISTRICT	-119.2	45.0	465	2365	1349
CTNED0901	CT NONAME THIRTEEN	0	100.0	0	0	1306
CT20228	LYTCHFIELD HOUSATONIC RI	DP	0	19981	91419	1306
2 DRC	CT LIGHT AND POWER	-1766.7	100.0	19981	91419	1306

PM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMRY CO. - NAME OF STREAM	LONGITUDE	STATUS	ANX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
FILE	DR. AREA	(D M. M)	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	
STATUS	(D M. M)	(AC FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)		
CTMNE0078	CYNNAME FORTN HOUSATONIC	41 33.9	0	0	0	332.82	1295	1295
CT 229	LITCHFIELD HOUSATONIC	73 24.5	OP	700	1567	37.79		1295
2 DRC I	KIMBERLY CLARK INC.	1120	-1892.6	12.0	1567			
CTGNE0008	GREAT FALLS 2 FALLS VILLAGES	41 56.4	H	30.0	9000	139.15	1068	1068
CT60514	LITCHFIELD HOUSATONIC R	73 20.9	OP	0	2958	7.4516	1068	1068
2 DRC	HARTFORD ELECTRIC LIGHT	632	-1095.6	30.0	11858			1068
CTCNE00079	NEPAUG RES 370	41 49.6	S	0	0	82.434	1320	1320
CT 370	LITCHFIELD NEPAUG RIV	72 56.5	OP	57120	387	39.752		1320
2 DRC I	MDC	31	-51.4	113.0	387			1320
CTGNE00010	ROBERTSVILLE DAM	41 58.2	H	15.0	500	46.338	1403	1403
CT60453	LITCHFIELD STILL RIVER	73 2.3	OP	0	329	57.67	1403	1403
2 DRC	CT LIGHT + POWER	47	-94.2	15.0	829			1403
CTCNE00511	SHEPAUG RESERVOIR	41 43.2	S	62.0	0	111.97	1454	1454
CT00665	LITCHFIELD SHEPAUG RIVER	73 17.6	OP	0	382	66.850	1454	1454
2 DRC	WATERBURY WATER DEPT	38	-61.9	62.0	382			1454
CTMNE00502	SPONNER DAM	41 40.8	D	17.0	0	265.11	1245	1245
CT00549	LITCHFIELD HOUSATONIC RI	73 30.6	OP	0	1425	30.634	1245	1245
2 DRC	NORTHEAST UTILITIES	781	-1353.9	17.0	1425			1245
CTCNE00073	THOMASTON DAM	41 41.7	C	0	0	115.43	1384	1384
CT70501	LITCHFIELD NAUGTUCK R	73 3.7	OP	63000	415	51.195	1384	1384
2 DRC I	DAEN NED	97	-189.3	28.5	415			1384
CTANED0503	HAMMONASSET DAM	41 21.3	S	60.0	0	94.308	1512	1512
CT00040	MIDDLESEX HAMMONASSET R	72 36.6	OP	0	251	82.733	1512	1512
2 DRC	NEW HAVEN WATER CO.	20	-41.9	60.0	251			1512
CTGNE00013	CONF POND	41 20.9	H	30.0	760	20.596	1062	1062
CT60619	NEW HAVEN NAUGTUCK RIV	73 5.4	OP	0	233	6.9094	1062	1062
2 DRC	AMERICAN BRASS CO.	300	-577.9	30.0	933			1062

PM 2 ID NO	PROJECT NAME	LONGITUDE	DAM HT	EXIST. CAP.	EXIST. ENRG/ANNUAL COST	ERC ECONOMIC		
PM 1 ID NO	PRIMARY CO. NAME OF STREAM	LATITUDE	PROJ. PURP.	STAG. STOR.	INC. CAP.	INC. ENRG/ANNUAL COST	ERC ECONOMIC	
ACTY DEP	DR. AREA	(D M.M)	(D M.M)	(AC FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
CODE	(D M.M)	(D M.M)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)
FILE	(D M.M)	(D M.M)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)
STATUS	(D M.M)	(D M.M)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)
CTMNE0137	KINNEVTOWN DAM	41 22.0	0	0	0	0	0	0
CT 89	NEW HAVEN NAUGATUCKR	73 5.1	740	1275	6969	191.25	1222	1222
2 DRC I	AMERICAN BRASS CO.	300	30.0	1275	6969	27.440	1222	1222
CTONE00500	LAKE HOUSATONIC	41 19.7	0	0	0	0	0	0
CT00026	NEW HAVEN LAKE HOUSATON	73 5.9	0	5743	34386	407.97	1110	1110
2 DRC	HULL DYE AND PRINT WORKS	1574	35.0	5743	34386	11.864	1110	1110
CTCNE00128	RIMMOND POND	41 23.5	0	0	0	0	0	0
CT 399	NEW HAVEN NAUGATCKRV	73 4.9	0	1275	6969	191.25	1223	1223
2 DRC I	CITYES SERVICE CO.	300	30.0	1275	6969	27.440	1223	1223
CTINED0006	SHEPAUG DAM	41 27.0	139.0	37200	108569	0	0	0
CT60232	NEW HAVEN LAKE LILLINON	73 18.0	0	0	0	0	0	0
2 DRC	CT LIGHT AND POWER	1392	138.8	37200	108569	0	0	0
CTGNE0009	CT NQNAME 50	41 33.5	25.0	2000	9800	0	0	0
CT60637	NEW LONDON QUINEBAUG RIV	72 2.3	0	0	0	0	0	0
2 DRC	CT LIGHT AND POWER	744	24.9	2000	9800	0	0	0
CTANED0162	CTNNAME 16	41 36.5	0	0	0	0	0	0
CT 539	NEW LONDON QUINEBAUG	71 59.1	3300	1158	6537	272.1	1334	1334
2 DRC I	WYRE WYNE	650	13.0	1158	6537	41.608	1334	1334
CTANED0524	FALLS MILDM NO. 13	41 32.1	25.0	0	0	0	0	0
CT01186	NEW LONDON YANTIC	72 4.8	0	407	1970	129.29	1448	1448
2 DRC	UNKNOWN	97	25.0	467	1970	65.599	1448	1448
CTGNE0011	OCCHM DAM	41 35.9	12.0	800	3500	38.246	1196	1196
CT60576	NEW LONDON SHETUCKET RIV	72 3.0	0	270	1505	24.754	1196	1196
2 DRC	CITY OF NORWICH	465	12.0	1070	5005	24.754	1196	1196
CTGNE0004	TAFTVILLE	41 34.1	26.0	1760	5000	60.896	1085	1085
CT60504	NEW LONDON SHETUCKET RIV	72 3.0	0	788	7012	8.6846	1085	1085
2 DRC	CT LIGHT AND POWER	511	26.0	2548	12012	8.6846	1085	1085





IN THE STATE OF DELAWARE

PM 2 ID NO	PROJECT NAME	PRCJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANNUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NOMECONOMIC
CODE	DR.AREA	AVE. G	PWR. HD.	TOT. CAP.	TOT.ENERG	(1000 \$)	ERC COMPOSITE
FILE	(D M.M)	(FT)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS	(D M.M)	(AC FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
DECNAP0033	(SQ.MI)	(CF8)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
5	EDGAR M HODGES DAM	8	127.0	0	0	38.93	
5	NEW CASTLE OLD MILL STRE	18	1100	39	104	364.64	
5	WILMINGTON DPM	2.7	109.8	39	104		
5	WHITE CLAY=NEWARK PROJECT	8	97.0	0	0	4011.7	
5	NEW CASTLE WHITE CLAY CR	18	5200	902	3507	1143.7	
5	NEW CASTLE	81.0	80.3	902	3507		





PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF FLORIDA

POTENTIAL INCREMENTAL CAPACITY RANGES												
	5 MW	10 MW	15 MW	5 MW	10 MW	15 MW	5 MW	10 MW	15 MW	5 MW	10 MW	15 MW
	EXIST	EXIST	EXIST	UNDEV	EXIST	EXIST	UNDEV	EXIST	EXIST	UNDEV	EXIST	EXIST
	TOTAL	INCR	TOTAL	POTEN	TOTAL	INCR	POTEN	TOTAL	INCR	POTEN	TOTAL	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY
0-19	1*	0*	0*	1*	0*	0*	1*	0*	0*	1*	0*	0*
	2.0*	0*	0*	2.0*	0*	0*	2.0*	0*	0*	2.0*	0*	0*
	14*	0*	0*	14*	0*	0*	14*	0*	0*	14*	0*	0*
20-49	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
50-99	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
>100	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
TOTAL	1*	0*	0*	1*	0*	0*	1*	0*	0*	1*	0*	0*
	2.0*	0*	0*	2.0*	0*	0*	2.0*	0*	0*	2.0*	0*	0*
	14*	0*	0*	14*	0*	0*	14*	0*	0*	14*	0*	0*

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 COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)  
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PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF FLORIDA

POTENTIAL INCREMENTAL CAPACITY RANGES												
*****												
	.05 MW = 15 MW			15 MW = 25 MW			GREATER THAN 25 MW			TOTAL		
	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*
	INST*	POTEN*	INCR*	INST*	POTEN*	INCR*	INST*	POTEN*	INCR*	INST*	POTEN*	INCR*
	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*
	*****											
NUMBER*	1*	0*	1*	0*	0*	0*	0*	0*	0*	0*	0*	1*
CAPACITY*	0.1*	2.0*	2.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	2.0*
ENERGY*	0.5*	13.8*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	13.8*
*****												
NUMBER*	1*	0*	0*	1*	0*	0*	1*	0*	0*	0*	0*	1*
CAPACITY*	11.5*	0.0*	0.0*	0.0*	19.8*	0.0*	30.0*	0.0*	0.0*	0.0*	0.0*	19.8*
ENERGY*	39.1*	0.0*	0.0*	0.0*	91.3*	0.0*	232*	0.0*	0.0*	0.0*	0.0*	91.3*
*****												
NUMBER*	0*	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*
CAPACITY*	0.0*	8.9*	8.9*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	8.9*
ENERGY*	0.0*	22.8*	22.8*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	22.8*
*****												
NUMBER*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
CAPACITY*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
ENERGY*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
*****												
NUMBER*	2*	1*	2*	0*	1*	0*	1*	0*	0*	0*	0*	2*
CAPACITY*	11.7*	2.0*	10.9*	0.0*	19.8*	0.0*	30.0*	0.0*	0.0*	0.0*	0.0*	21.8*
ENERGY*	39.6*	13.8*	36.7*	0.0*	91.3*	0.0*	232*	0.0*	0.0*	0.0*	0.0*	105*
*****												

LEGEND

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COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT      COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)

COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS      CAPACITY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)

COLUMN 3 = UNDEVELOPED POTENTIAL      ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

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FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	DR.AREA	DR.AREA	STATUS	W.A.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
ACTV CODE	OWNER	(D.M.M)	(D.M.M)	AVE. Q	PMR. HD.	TOT. CAP.	TOT.ENERG	(1000 \$)	ERC COMPOSITE
CODE		(S.O.MI)	(S.O.MI)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE									
STATUS									
FLCSAJ0009	MORG BLUFF LOCK AND SPILLWAY	29 4.0	81 52.8	ICNR	33.0	0	0	214.91	0.
5 FLO0145	MARTON OKLAHAWA R	81	879	OP	60000	1309	4342	49.496	0.
5 SCP I	SJRWD				22.4	1309	4342		
FLOSAJ0010	STRUCTURE 80 ST/LUCIE LOCK	27 6.5	82 17.3	IHCNSR	33.2	0	0	734.97	0.
FLO0425	MARTIN ST LUCIE CANA	80	5225	OP	8519000	6398	23324	31.511	0.
6 SCP D	DAEN SAJ				14.3	6398	23324		
FLO6SAS002	ST GEORGE	30 28.5	82 1.0	HR	28.0	0	0	2295.3	0.
FLO0005	NASSAU	82	863	IS	22500	1767	6080	377.49	0.
5 DRC I	ST MARYS RIVE				19.0	1767	6080		
FLO6SAM005	CRESTVIEW	30 0.0	87 0.0	H,S,R,C	100.0	0	0	20523	0.
FLO0001	OKALOOSA	87	616	IS	1580000	47000	53000	367.24	0.
5 DFC	YELLOW RIVER				84.9	47000	53000		
FLOSAJ0701	HENRY H BUCKMAN LOCK	29 32.5	81 43.4	NR	40.5	0	0	381.13	0.
FLO0159	PUTNAM CROSS FLORIDA	81	2747	OP	130000	2722	9130	41.743	0.
6 DRC E	DAEN SAJ				16.9	2722	9130		
FLOSAJ0016	RODMAN DAM	29 30.4	81 48.6	NR	43.0	0	0	468.66	0.
FLO0156	PUTNAM OKLAHAWA R	81	2747	OP	130000	3217	12285	38.147	0.
5 DRC D	DAEN SAJ				13.3	3217	12285		

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF GEORGIA

POTENTIAL INCREMENTAL CAPACITY RANGES

	0.05 MW = 5 MW	5 MW = 10 MW	10 MW = 15 MW	15 MW = 20 MW	20 MW = 25 MW	25 MW = 30 MW	30 MW = 35 MW	35 MW = 40 MW	40 MW = 45 MW	45 MW = 50 MW	50 MW = 55 MW	55 MW = 60 MW	60 MW = 65 MW	65 MW = 70 MW	70 MW = 75 MW	75 MW = 80 MW	80 MW = 85 MW	85 MW = 90 MW	90 MW = 95 MW	95 MW = 100 MW
NUMBER	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY	1.8	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENERGY	9	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUMBER	3	4	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY	8.7	5.8	3.0	8.8	5.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENERGY	43	19	11	29	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUMBER	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY	6.5	3.0	3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENERGY	22	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUMBER	8	5	2	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY	17.3	7.6	6.0	13.6	11.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENERGY	74	33	18	52	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 COLUMN 5 = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 COLUMN 6 = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF GEORGIA

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL		
	EXIST*	UNDEV*	TOTAL**	EXIST*	UNDEV*	TOTAL**	EXIST*	UNDEV*	TOTAL**	EXIST*	UNDEV*	TOTAL**
NUMBER*	3*	2*	4*	0*	1*	4*	5*	0*	0*	3*	3*	6*
CAPCTY*	2.1*	12.4*	38.5**	0.0*	23.7*	91.9*	116**	0.0*	0.0*	2.1*	36.2*	118*
ENERGY*	8.8*	43.4*	207**	0.0*	71.4*	361*	433**	0.0*	0.0*	8.8*	118*	525*
	INST*	INCR*	TOTAL**	INST*	INCR*	TOTAL**	INST*	INCR*	TOTAL**	INST*	INCR*	TOTAL**
1 CAP*	2 CAP*	3 CAP*	4 CAP**	1 CAP*	2 CAP*	3 CAP*	4 CAP**	1 CAP*	2 CAP*	3 CAP*	4 CAP**	1 CAP*
2 CAP*	3 CAP*	4 CAP**	1 CAP*	2 CAP*	3 CAP*	4 CAP**	1 CAP*	2 CAP*	3 CAP*	4 CAP**	1 CAP*	2 CAP*
3 CAP*	4 CAP**	1 CAP*	2 CAP*	3 CAP*	4 CAP**	1 CAP*	2 CAP*	3 CAP*	4 CAP**	1 CAP*	2 CAP*	3 CAP*
4 CAP**	1 CAP*	2 CAP*	3 CAP*	4 CAP**	1 CAP*	2 CAP*	3 CAP*	4 CAP**	1 CAP*	2 CAP*	3 CAP*	4 CAP**
0-19	3	2	4	0	1	4	5	0	0	3	3	6
	2.1	12.4	38.5	0.0	23.7	91.9	116	0.0	0.0	2.1	36.2	118
	8.8	43.4	207	0.0	71.4	361	433	0.0	0.0	8.8	118	525
20-49	4	5	9	3	1	1	2	1	1	4	8	9
	14.0	5.7	59.7	52.0	16.6	20.0	36.6	29.6	27.5	101	95.6	175
	83.3	18.5	172	148	27.0	67.3	94.4	148	77.8	310	379	531
50-99	2	0	1	1	0	1	1	5	1	0	6	2
	6.4	0.0	2.9	22.5	0.0	24.8	24.8	317	67.0	0.0	346	67.0
	21.7	0.0	7.4	50.7	0.0	64.9	64.9	1077	79.0	0.0	1150	79.0
>100	2	0	0	2	0	0	0	9	1	1	13	1
	20.5	0.0	0.0	31.0	0.0	0.0	0.0	1766	100.0	68.5	1818	100.0
	87.1	0.0	0.0	104	0.0	0.0	0.0	3435	44.0	97.6	3627	44.0
TOTAL	11	6	14	6	2	6	8	15	3	4	32	11
	43.2	18.2	101	106	40.5	137	177	2113	195	170	2262	253
	201	62.0	387	303	96.4	494	592	4660	201	407	5164	361

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	NAME OF STREAM	AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENERGY	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. G	PHR. MD.	TOT. CAP.	TOT. ENRG	(MWH)	(1000 \$)	ERC COMPOSITE
CODE		(D M.M)	(AC FT)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
FILE		(SQ.MI)	(CFS)	(KW)	(MWH)	(MWH)			
STATUS				(KW)	(MWH)	(MWH)			
GA6SAS0004	AYSON	31 18.4	IR	41.0	0	0	0	3578.1	0.
5 DRC I	ATKINSON	82 42.3	IS	12500	1058	3432	1042.5	0.	0.
		400		24.0	1058	3432			
GA6SAS0005	PEARSON	31 20.0	H	39.0	0	0	0	3150.1	0.
5 DRC I	ATKINSON	82 46.1	IS	44000	982	3197	985.33	0.	0.
		355		25.1	982	3197			
GAISAS0007	LAKF SINCLAIR	33 8.4	HR	105.0	45000	162935	0	0	0.
5 DRC I	BALDWIN	83 12.2	NP	334000	0	0	0	0	0.
	GEORGIA POWER CO	2900		96.0	45000	162935			
GA4SAS0006	MTLEDGEVILLE	33 8.0	H	28.0	0	0	0	3809.7	0.
2 DRC D	BALDWIN	83 10.2	IS	9000	11257	36984	103.0	0.	2000
		3059		20.0	11257	36984			
GAISAS0088	ALLATONA LAKE	34 9.8	CHR	200.0	74000	162460	0	0	0.
4 DRC	BARTON	84 4.3	UP	670000	0	0	0	0	0.
	DAEN SAM	1110		139.8	74000	162460			
GAGSAM0504	CARTERSVILLE	34 08.0	H	20.0	625	3500	0	0	0.
1 DFA	BARTON	84 50.0	OP	300	0	0	0	0	0.
	THOMPSON WEINMAN	930		14.0	625	3500			
GA6SAM0087	KINGSTON	34 14.0	H, S, R, C	87.0	0	0	0	35148	0.
5 DRC	BARTON	84 55.9	IS	89000	30067	105569	332.93	0.	0.
		1687		67.4	30067	105569			
GACASAS0009	LAKF TOBESOFKEE	32 49.9	SRD	54.0	0	0	0	156.84	0.
2 DRC I	BARR	83 46.0	OP	46300	1229	3738	41.956	0.	2000
	BARR COUNTY	180		41.0	1229	3738			
GA4SAS0012	SHELL BLUFF	33 13.2	NH	34.0	0	0	0	8352.4	0.
5 DRC D	BURKE	81 44.5	IS	92000	24730	97130	85.991	0.	0.
		827		16.0	24730	97130			

FM 2 ID NO	PROJECT NAME	ACTV DEP	FILE	STATUS	DR AREA	LONGITUDE	LATITUDE	PROJ. PURP.	STATUS	AVE. Q	PR. HD.	MAX. STOR.	EXIST. CAP.	INC. CAP.	TOT. CAP.	TOT. ENERGY	EXIST. ENRG ANUL. COST	ERC ECONOMIC	
1 ID NO	PRIMARY CO. OWNER	CODE	DR AREA	(D M M)	(D M M)	(SQ. MI)	(AC FT)	(CFS)	(FT)	(CFS)	(AC FT)	(FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)
2 DRC D	SAVANNAH RIVER	STEFL CREEK	81 36.6	33 5.5	33 5.5	11000.0	12000	11000.0	14.0	11000.0	14.0	12000	22244	22244	22244	0	0	0	8733.0
2 DRC I	LAMAR FERRY	BUTTS	83 48.9	33 14.4	33 14.4	1800.0	20000	1800.0	38.0	1800.0	38.0	20000	11693	11693	11693	0	0	0	2405.5
5 DRC I	MCKAY CREEK	BUTTS	83 54.9	33 26.0	33 26.0	650.0	13000	650.0	52.0	650.0	52.0	13000	8031	8031	8031	0	0	0	4069.0
5 DRC I	BURNT FORK	CAMDEN	81 53.5	30 57.0	30 57.0	2790.0	179000	2790.0	40.0	2790.0	40.0	179000	19179	19179	19179	0	0	0	27823
5 DRC	CEDAR CREEK	CARROLL	84 52.8	33 29.6	33 29.6	4088.1	297000	4088.1	59.9	4088.1	59.9	297000	45201	45201	45201	0	0	0	9722.7
5 DRC I	SATILLA ST. MARY	CHARLTON	81 54.9	30 52.0	30 52.0	2790.0	370000	2790.0	37.0	2790.0	37.0	370000	26537	26537	26537	0	0	0	55532
5 DRC	CANTON	CHEROKEE	84 27.0	34 18.0	34 18.0	1006.1	45000	1006.1	61.6	1006.1	61.6	45000	12063	12063	12063	0	0	0	788.46
5 DRC	GILMER	CHEROKEE	84 18.0	34 20.0	34 20.0	537.6	370000	537.6	129.8	537.6	129.8	370000	14338	14338	14338	0	0	0	3428.9
5 DRC	SHOAL CREEK	CHEPOTAKE	84 35.0	34 14.0	34 14.0	340.3	104.0	340.3	79.9	340.3	79.9	104.0	4317	4317	4317	0	0	0	95.541
GA4SAS0011	STEFL CREEK	BURKE	81 36.6	33 5.5	33 5.5	11000.0	12000	11000.0	14.0	11000.0	14.0	12000	22244	22244	22244	0	0	0	8733.0
GA6SAS0013	LAMAR FERRY	BUTTS	83 48.9	33 14.4	33 14.4	1800.0	20000	1800.0	38.0	1800.0	38.0	20000	11693	11693	11693	0	0	0	2405.5
GA6SAS0014	MCKAY CREEK	BUTTS	83 54.9	33 26.0	33 26.0	650.0	13000	650.0	52.0	650.0	52.0	13000	8031	8031	8031	0	0	0	4069.0
GA6SAS0016	BURNT FORK	CAMDEN	81 53.5	30 57.0	30 57.0	2790.0	179000	2790.0	40.0	2790.0	40.0	179000	19179	19179	19179	0	0	0	27823
GA6SAM0089	CEDAR CREEK	CARROLL	84 52.8	33 29.6	33 29.6	4088.1	297000	4088.1	59.9	4088.1	59.9	297000	45201	45201	45201	0	0	0	9722.7
GA6SAS0017	SATILLA ST. MARY	CHARLTON	81 54.9	30 52.0	30 52.0	2790.0	370000	2790.0	37.0	2790.0	37.0	370000	26537	26537	26537	0	0	0	55532
GA6SAM0092	CANTON	CHEROKEE	84 27.0	34 18.0	34 18.0	1006.1	45000	1006.1	61.6	1006.1	61.6	45000	12063	12063	12063	0	0	0	788.46
GA6SAM0091	GILMER	CHEROKEE	84 18.0	34 20.0	34 20.0	537.6	370000	537.6	129.8	537.6	129.8	370000	14338	14338	14338	0	0	0	3428.9
GA6SAM0093	SHOAL CREEK	CHEPOTAKE	84 35.0	34 14.0	34 14.0	340.3	104.0	340.3	79.9	340.3	79.9	104.0	4317	4317	4317	0	0	0	95.541



PM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	ANUL. COST	ERC ECONOMIC
ACTY DEP	OWNER	DR. AREA	DR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENERGY	ERC NON-ECONOMIC
CODE		(SQ. MI.)	(SQ. MI.)	(CFS)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
FILE		(D M. M.)	(D M. M.)	(FT)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
STATUS		(90. MI)	(90. MI)	(FT)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
G488A0094	VTNTNGS	33 52.2	84 28.9	H	45.0	0	0	0.
GAU0005	CORR	84 28.9	84 28.9	TS	12000	5376	31682	0.
5 DRC	CHATTANOOCHEE	1451	1451	2935.2	27.5	5376	31682	0.
G488A0019	AUGUSTA CANAL DIVERSION	33 33.1	82 2.2	80	15.0	0	0	0.
GAO0841	COLUMBIA SAVANNAH RIVE	82 2.2	82 2.2	DP	3000	1822	14817	0.
2 DRC I	CITY OF AUGUSTA	7174	7174	9900.0	5.0	1822	14817	2000
G488A0020	CLARK HILL LAKE	33 39.6	82 11.8	CNHO	200.0	280000	561411	0.
GAO1701	COLUMBIA SAVANNAH RIVE	82 11.8	82 11.8	DP	365000	0	0	0.
5 DRC I	DAEN SAS	6144	6144	8860.0	109.4	280000	561411	0.
G488A0096	LAK BLCKSHEAR FLINT	31 51.0	83 56.5	HR	41.0	15200	71315	0.
GAO0831	CRISP FLINT	83 56.5	83 56.5	DP	145000	16815	357	0.
5 DRC	CRISP COUNTY PWR COMM	3600	3600	4346.0	27.6	32015	71672	0.
G488A0021	ABBEYVILLE	32 1.3	83 2.3	HRN	88.0	0	0	0.
GAU0070	DODGE	83 2.3	83 2.3	TS	1940000	35946	113957	0.
5 DRC I	OCMULGEE RIVE	4450	4450	5100.0	40.0	35946	113957	0.
G488A0100	MOUNTAIN CREEK	33 0.0	84 0.0	H, S, R, C	40.0	0	0	0.
GAU0019	DODGE	84 0.0	84 0.0	TS	194000	20343	55113	0.
6 DRC	FLINT RIVER	3192	3192	4053.0	24.9	20343	55113	0.
G488A0101	FLINT RIVER RESERVOIR	31 36.1	84 0.7	H R	50.0	5400	40486	0.
GAO0835	DOUGHERTY FLINT RIVER	84 0.7	84 0.7	DP	33000	2000	7166	0.
2 DFC	GEORGIA POWER CO	4180	4180	5065.4	27.4	7400	47652	1000
G488A0024	HIGH STOKES BLUFF	32 33.3	81 16.9	NH	71.0	0	0	0.
GAU0111	EFFTINGHAM SAVANNAH RIVE	81 16.9	81 16.9	TS	100000	263654	38212	0.
5 DRC D	EFFTINGHAM	9850	9850	12100.0	46.0	263654	38212	0.
G488A0022	LOW STOKES BLUFF	32 33.3	81 16.5	NH	32.0	0	0	0.
GAU0102	EFFTINGHAM SAVANNAH RIVE	81 16.5	81 16.5	TS	7000	13306	82844	0.
2 DRC D	EFFTINGHAM	9850	9850	12100.0	14.0	13306	82844	2000

PM 2 ID NO	PROJECT NAME	PRD.J.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. -NAME OF STREAM	STATUS	MX.STUR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	AVE. 0	PHR. HD.	TOT. CAP.	TOT.ENERGY		ERC COMPOSITE
CODE	DR.AREA	(D M.H)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE	(D M.H)	(SQ.MI)	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
STATUS	(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
GA4SAS0023	MEDIUM STOKES BLUFF	IS	6200	70067	202180	0.	0.
GAU0109	EFFINGHAM SAVANNAH RIVER	IS	81 16.9	70067	202180	78.133	0.
5 DRC D			9850				
GAISAS0025	RICHARD B RUSSELL LAKE	HCNR	34 1.5	300000	788400	0	0.
GAU0064	ELBERT SAVANNAH RIVER	UC	82 35.6	0	0	0	0.
5 DFC D	DAEN SAS		2900	300000	788400		
GA6SAS0026	TALLOW HILL	HR	34 5.5	0	0	6686.6	0.
GAU0066	ELBERT	IS	83 1.6	68549	97635	68.485	0.
2 DRC I			749	68549	97635		2000
GAIORND014	LAKE TOCCOA	HR	34 53.0	20000	19026	0	0.
GAO0833	FANNIN	OP	84 16.8	0	0	0	0.
8 DRC I	TVA		232	20000	19026		
GA6SAM0103	ARMUCHEE	H,S,R,C	34 25.3	0	0	8026.6	0.
GAU0023	FLOYD	IS	85 7.1	5847	35131	228.47	0.
5 DRC			1900	5847	35131		
GA9SAM0506	ROCKY MOUNTAIN	H	34 21.0	0	0	0	0.
1 DFA	FLOYD	UC	85 18.0	675000	1052500	0	0.
	GA POWER CO		14	675000	1052500		
GAISAM0105	LAKE SIDNEY LANIER	CHR	34 9.6	0	0	0	0.
GAO0824	FORYTH	OP	84 4.3	0	0	0	0.
4 DRA	DAEN SAM		1040	86000	170000		
GAISAM0106	MORGAN FALLS RESERVOIR	HSR	33 58.0	16800	35	0	0.
GAO0842	FULTON	OP	84 23.1	0	0	0	0.
5 DRC	GEORGIA PWR CO		1370	16800	68000		
GA6SAM0107	CARTECAY	H,S,R,C	35 0.0	0	0	3235.0	0.
GAU0012	GILMER	IS	84 0.0	19246	34565	93.592	0.
5 DRC			136	19246	34565		0.

FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	NAME OF STREAM	STATUS	MX. STOR.	INC. CAP.	INC. ENERGY	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. G	PWR. HD.	TOT. CAP.	TOT. ENERGY	(1000 \$)	ERC COMPOSITE
CODE		(SQ. M.)	(CFS)	(AC FT)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)
FILE		(SQ. MI)		(FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS								
GAGSAM0505	HABERSHAM	34 36.0	H	30.0	1660	9775	0	0.
1	HABERSHAM	83 31.0	OP	100	0	0	0	0.
	HABERSHAM MILLS	114		84.0	1660	9775		0.
GAGSAM0116	IRWINS BRIDGE	35 0.0	H,S,R,C	111.0	0	0	2179.0	0.
GA0007	HABERSHAM	84 0.0	IS	24000	6534	18392	116.47	0.
5	DRC	152		84.9	6534	18392		0.
GAGSAM0029	TUGALO LAKE	34 42.8	HR	150.0	45000	131292	0	0.
GA0043	HABERSHAM	83 21.2	OP	24000	0	0	0	0.
5	DRC 1	464		142.0	45000	131292		0.
GAGSAM0117	MUD CREEK	34 0.0	H,S,R,C	118.0	0	0	2913.8	0.
GA0004	HALL	84 0.0	IS	87000	9424	26097	111.64	0.
5	DRC	377		94.9	9424	26097		0.
GAGSAM0095	GOAT ROCK LAKE	32 36.5	HR	75.0	26000	130137	5049.8	0.
GA0026	HARRIS	85 4.7	OP	11000	67000	79090	63.649	0.
2	DRC	4520		66.0	93000	209227		1000
GAGSAM0119	LAKE HARDING	32 39.8	HR	126.0	65000	416911	3733.0	0.
GA0030	HARRIS	85 5.4	OP	182000	100000	44000	84.842	0.
2	DRC	4240		108.4	165000	460911		1000
GAGSAM0503	LANGDALE	32 50.0	H	26.0	1040	10700	0	0.
5	DRC	3630		13.4	1040	10700		0.
GAGSAM0118	NEW RIVERVIEW	32 46.5	H	60.0	0	0	3006.4	0.
GA0026	HARRIS	85 12.2	IS	0	6522	46243	65.13	0.
5	DRC E	3660		25.1	6522	46243		0.
GAGSAM0502	RIVERVIEW	32 45.0	H	12.0	480	4176	1661.2	0.
1	DRC	3660		9.4	10665	28079	59.163	0.
	GA POWER CO.				11145	32255		0.

FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	NAME OF STREAM	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	ANUL. COST	ERC ECONOMIC
CODE	CODE	CODE	CODE	CODE	OWNER	DR. AREA	(D M.M)	(D M.M)	AVE. G	PMR. HD.	TOT. CAP.	INC. CAP.	TOT. ENRGY	(1000 \$)	ERC COMPOSITE
						(SQ. MI)	(AC FT)	(AC FT)	(CFS)	(FT)	(KW)	(KW)	(MHH)	(\$/MWH)	(SEQUENCE RANK)
GA6SAS0031	GA01702	5	DFC D	DAEN SAS	HARTWELL LAKE	SAVANNAH RIVE	82 49.3	34 21.3	OP	3439000	344000	0	453000	0	0.
						2088	4200.0	171.7			344000	0	453000	0	0.
GA6SAS0032	GA10067	5	DRC I	PEACHSTONE HENRY	SOUTH RIVER			90.0	HR		0	0	0	6312.6	0.
							500.0	106.0	IS	230000	12284	28335	28335	222.78	0.
GA6SAS0035	GA00071	2	DRC I	CURRY CREEK JACKSON	NORTH OCONEE			65.0	CSR	249000	2992	7442	7442	3982.1	0.
							300.0	53.9	IS	2992	2992	7442	7442	535.4	2000
GA6SAS0036	GA10087	5	DRC I	TALASSE JACKSON	MIDDLE OCONEE			100.0	HR	262000	9858	26282	26282	5095.5	0.
							490.0	97.0	IS	9858	9858	26282	26282	193.87	0.
GA6SAS0038	GA00487	5	DFC I	LLOYD SHOALS JASPER	OCHULGEE RIVE			102.0	HR	107000	14400	67000	67000	0	0.
							1700.0	100.0	OP	107000	14400	0	67000	0	0.
GA6SAS0039	GA10068	5	DRC D	COOPERS FERRY JEFF DAVIS	OCHULGEE RIVE			91.0	HR	2265000	46830	137031	137031	35716	0.
							5500.0	42.0	IS	2265000	46830	137031	137031	260.64	0.
GA6SAS0042	GA10079	2	DRC I	DAVES FERRY JONES	OCHULGEE RIVE			39.0	H	29000	0	40049	40049	2936.4	0.
							3000.0	27.0	IS	29000	14578	40049	40049	73.320	2000
GA6SAS0043	GA10086	2	DRC D	DURLIN LAURENS	OCONEE RIVER			42.0	H	256000	29942	97738	97738	9560.6	0.
							5000.0	35.0	IS	256000	29942	97738	97738	97.818	2000
GA6SAS00121	GA10003	5	DRC	NEW BRIDGE LUMPKIN	CHESTATEE RIV			150.0	H,S,R,C	150000	0	38555	38555	3254.5	0.
							540.9	119.8	IS	250000	14378	38555	38555	84.411	0.

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. -NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV CODE	OWNER	DR. AREA	AVE. G	WPR. HD.	TOT. CAP.	TOT. ENRG		ERC COMPOSITE
CODE		(D M. M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE		(D M. M)		(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ. MI)						(SEQUENCE RANK)
GACSAM0122	WATERSHED NO. 26 ETOWAH RIVER	34 30.7	CR	50.0	0	0	152.86	0.
GAC0545	LUMPKIN ETOWAH RIVER	84 4.4	DP	1928	1095	3494	43.739	0.
2 DRC	L. DAVIS	58		39.5	1095	3494		1000
G66SAM0125	MIDNA FLINT RIVER	32 0.0	H,S,R,C	51.0	0	0	2741.5	0.
GAU0002	MACON	84 0.0	IS	414000	24029	67620	40.563	0.
6 DRC		2366		39.9	24029	67620		0.
G66SAM0128	LOWER VADA FLINT RIVER	31 0.0	H,S,R,C	70.0	0	0	7814.1	0.
GAU0017	HITCHELL	84 0.0	IS	20000	18043	116844	66.991	0.
5 DRC		7112		34.6	18043	116844		0.
G66SAM0049	HIGH FALLS LAKE TOWALIGA RIVER	33 5.9	R	35.0	0	0	181.84	0.
GA01901	MONROE	83 47.8	DP	20461	1474	4152	43.795	0.
2 DRC I	STATE PARK	128		36.2	1474	4152		2000
G66SAM0047	JACKSON BRIDGE TOWALIGA RIVER	33 7.1	HR	94.0	0	0	3207.3	0.
GAU0089	MONROE	83 54.7	IS	92000	5945	16321	196.51	0.
5 DRC I		322		73.0	5945	16321		0.
G66SAM0050	JULIETTE DAM OCMULGEE RIVER	33 5.9	H	20.0	1063	8843	0	0.
GA01902	MONROE	83 47.7	DP	2000	0	0	0	0.
5 DRC I	TRIN MANUFACTURING	1960		18.0	1063	8843		0.
G66SAM0052	CYPRESS BRANCH OCONEE RIVER	32 2.5	H	34.0	0	0	7363.6	0.
GAU0084	MONTGOMERY	82 36.2	IS	124000	27389	91514	80.464	0.
2 DRC D		5350		27.0	27389	91514		2000
G67SAM0051	ROCKLEDGE OCONEE RIVER	32 17.7	H	27.0	0	0	13480	0.
GAU0083	MONTGOMERY	82 39.4	IS	134000	31126	107346	125.57	0.
5 DRC D		4900		35.0	31126	107346		0.
G67SAM0726	CARTERS LAKE MURRAY	34 36.7	CHR	420.0	500000	424522	0	0.
GAC0021	DAEN SAM	84 41.0	DP	472800	0	0	0	0.
9 DRA		376		-363.3	500000	424522		0.

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER		DR. AREA	DR. AREA	MAX. STOR.	STATUS	MX. STOR.	AVE. Q	PRR. HD.	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
CODE	FILE		(D.M.M)	(D.M.M)	(CFT)	(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)
STATUS			(SQ.MI)	(SQ.MI)	(FT)	(CFS)	(FT)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
G668A0015	JACKS	JACKS	JACKS RIVER	35 02.0	84 42.0	H,S,R,C	180.0	5374	17882	17882	2697.7	0.
GAU0013	MURRAY	MURRAY		84 42.0	87	IS	49000	5374	17882	17882	150.85	0.
5 DRC				87			159.8					
G6CSA0129	REREGULATION POOL	MURRAY	COOSAWATTEE R	34 36.1	84 41.5	CHRC	56.0	0	0	0	327.11	0.
G60082	MURRAY	DAEN SAM		84 41.5	530	CP	19000	2961	10827	10827	30.210	0.
2 DRC				530			28.6					1000
GA4SAR0130	COLIURBUS	MUSCOGEE	CHATTANOOCHEE	32 25.6	85 01.0	IS	60.0	35128	118698	118698	4746.8	0.
GAU0010	MUSCOGEE			85 01.0	4640		1200	35128	118698	118698	39.991	0.
2 DRC E				4640			33.2					2000
G6SAR0507	EAGLE-PHENIX	MUSCOGEE	CHATTANOOCHEE	32 27.0	85 00.0	H	30.0	4260	33408	33408	2368.3	0.
GAU0037	MUSCOGEE	REEVES BROS.		85 00.0	4640	CP	0	27582	66535	66535	35.596	0.
2 DRC				4640			26.2	31842	99943	99943		1000
GAISAR0501	NORTH HIGHLAND	MUSCOGEE	CHATTANOOCHEE	32 28.0	85 00.0	H	64.0	29600	81425	81425	0	0.
GAU0081	MUSCOGEE	GA POWER CO		85 00.0	4630	CP	510	0	0	0	0	0.
1 DRC				4630			36.5	29600	147900	147900		0.
GAISAR0131	OLIVER LAKE	MUSCOGEE	CHATTANOOCHEE	32 30.9	85 00.0	HR	81.0	60000	214115	214115	0	0.
GAU0083	MUSCOGEE	GEORGIA PWR CO		85 00.0	4630	CP	6000	0	0	0	0	0.
5 DRC				4630			66.3	60000	214115	214115		0.
G6SAR0055	FACTORY SHOALS	ALCOVY RIVER		33 31.5	83 50.0	HR	74.0	0	0	0	4737.3	0.
GAU0081	NEWTON			83 50.0	254	IS	62000	8568	24286	24286	195.5	0.
5 DRC I				254			106.0	8568	24286	24286		0.
G6SAR0056	LEE SHOALS	YELLOW RIVER		33 25.4	83 52.9	HR	57.0	0	0	0	2418.4	0.
GAU0082	NEWTON			83 52.9	453	IS	60000	3796	9869	9869	245.5	0.
5 DRC I				453			33.0	3796	9869	9869		0.
G6SAR0057	PORTERDALE	YELLOW RIVER		33 34.1	83 54.0	H	50.0	1600	9231	9231	0	0.
GAU01903	NEWTON	BIRN MANUFACTURING CO		83 54.0	413	CP	900	0	0	0	0	0.
5 DRC I				413			47.0	1600	9231	9231		0.

FM 2 ID NO	FM 1 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENERGY	ANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC	
									DR. AREA	MX. STUR.	AVE. G	PMR. HD.	(KW)	(KW)	(KW)	(MWH)	(1000 \$)			
									(M.M)	(FT)	(CFS)	(FT)	(AC FT)	(MWH)	(MWH)	(MWH)	(\$/MWH)		(SEQUENCE RANK)	(SEQUENCE RANK)
G6SAS0018						BARNETT SHOALS	OCONEE	RIVER	33 50.3	83 18.4	HR	50.0	2800	0	0	15000	0	0.	0.	0.
G6SAS0019						GEORGIA POWER CO			3000	49.0	OP	3000	2800	0	0	15000	0	0.	0.	0.
G6SAS0020						HIGH SHOALS	OCONEE	RIVER	33 48.9	83 31.0	HR	69.0	0	0	0	0	1752.7	0.	0.	0.
G6SAS0021						OCONEE			34000	110.0	IS	34000	3477	0	0	11655	150.38	0.	0.	0.
G6SAS0022						APALACHEE CREEK			110.0				3477	0	0	11655		0.	0.	0.
G6SAS0023						HURRICANE CREEK			37.0		H	37.0	0	0	0	0	10828	0.	0.	0.
G6SAS0024						PIERCE			284000	25.0	IS	284000	5857	0	0	18218	594.34	0.	0.	0.
G6SAS0025						SATILLA RIVER			25.0				5857	0	0	18218		0.	0.	0.
G6SAS0026						MURDER CREEK			136.0		HR	136.0	0	0	0	0	4179.4	0.	0.	0.
G6SAS0027						PUTNAM			90000	129.0	IS	90000	8467	0	0	21663	192.92	0.	0.	0.
G6SAS0028						MURDER CREEK			129.0				8467	0	0	21663		0.	0.	0.
G6SAS0029						MURDER CREEK			117.0		HR	117.0	113000	0	0	341000	0	0.	0.	0.
G6SAS0030						MURDER CREEK			470000	94.0	UC	470000	0	0	0	0	0	0.	0.	0.
G6SAS0031						OCONEE			2420.0				113000	0	0	341000	0	0.	0.	0.
G6SAS0032						MALLACE			33 20.5	83 27.2	HR	135.0	6120	0	0	20150	0	0.	0.	0.
G6SAS0033						PUTNAM			9.0		OP	9.0	0	0	0	0	0	0.	0.	0.
G6SAS0034						GEORGIA PWR CO			1830				6120	0	0	20150	0	0.	0.	0.
G6SAS0035						LAKE RUTON			34 47.5	83 32.3	HR	135.0	16000	0	0	60803	0	0.	0.	0.
G6SAS0036						RABUN			32.3		OP	32.3	0	0	0	0	0	0.	0.	0.
G6SAS0037						GEORGIA PWR CO			115				6120	0	0	20150	0	0.	0.	0.
G6SAS0038						MATHIS-TERRORA			34 45.9	83 24.9	HR	80.0	16000	0	0	60803	0	0.	0.	0.
G6SAS0039						RABUN			31200	187.0	OP	31200	0	0	0	0	0	0.	0.	0.
G6SAS0040						GEORGIA PWR CO			151				16000	0	0	60803	0	0.	0.	0.
G6SAS0041						MATHIS-TERRORA			34 45.9	83 24.9	HR	80.0	16000	0	0	60803	0	0.	0.	0.
G6SAS0042						RABUN			31200	187.0	OP	31200	0	0	0	0	0	0.	0.	0.
G6SAS0043						GEORGIA PWR CO			151				16000	0	0	60803	0	0.	0.	0.
G6SAS0044						MATHIS-TERRORA			34 45.1	83 30.0	HR	90.0	4800	0	0	18144	0	0.	0.	0.
G6SAS0045						RABUN			7000	62.0	OP	7000	0	0	0	0	0	0.	0.	0.
G6SAS0046						GEORGIA PWR CO			136				4800	0	0	18144	0	0.	0.	0.
G6SAS0047						MATHIS-TERRORA			34 45.1	83 30.0	HR	90.0	4800	0	0	18144	0	0.	0.	0.
G6SAS0048						RABUN			7000	62.0	OP	7000	0	0	0	0	0	0.	0.	0.
G6SAS0049						GEORGIA PWR CO			136				4800	0	0	18144	0	0.	0.	0.
G6SAS0050						MATHIS-TERRORA			34 50.7	83 15.2	HR	105.0	0	0	0	0	2155.3	0.	0.	0.
G6SAS0051						SAND BOTTOM			5600	178	IS	5600	21073	0	0	49852	43.235	0.	0.	0.
G6SAS0052						RABUN			139.0				21073	0	0	49852	0	0.	0.	0.
G6SAS0053						CHATTOGA RIVER			590.0				21073	0	0	49852	0	0.	0.	0.
G6SAS0054						CHATTOGA RIVER			178				21073	0	0	49852	0	0.	0.	0.

PM 2 ID NO	PROJECT NAME	LONGITUDE	DAM HT	EXIST. CAP.	EXIST. ENRG/ANUL.	COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. OWNER	LATITUDE	PURP.	STATUS	INC. CAP.	INC. ENRG/ANUL.	ERC NON-ECONOMIC
ACTV DEP	DR AREA	DR AREA	AVE. Q	WTR. MD.	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
CODE	(D M M)	(D M M)	(CFS)	(KW)	(KW)	(MWH)	(1000 \$)
FILE	(S Q MI)	(AC FT)	(AC FT)	(MWH)	(MWH)	(MWH)	(\$/MWH)
STATUS	(HR)	(OP)	(CFS)	(KW)	(KW)	(MWH)	(MWH)
GAJSAS0064	TALLULAH FALLS LAKE	34 44.2	2000	72000	243224	0	0
GA00644	RAHUN	83 22.5	2000	72000	243224	0	0
5 DRC I	TALLULAH RIVER	186	480.0	72000	243224	0	0
GA4SAS0076	EAGLE POINT	33 16.5	33.0	0	0	6045.7	0.
GAU0106	RICHMOND	81 50.5	15000	21489	84418	71.616	0.
2 DRC D	SAVANNAH RIVER	8170	10800.0	21489	84418	71.616	0.
GA4SAS0069	NEW SAVANNAH BLUFF POOL	33 22.4	67.5	0	0	2406.0	0.
GA01703	RICHMOND	81 56.4	10720	23737	71465	33.667	0.
2 DRC I	DAEN SAS	7420	10200.0	23737	71465	33.667	0.
GA6SAS0071	NEW BETHEL	33 43.0	85.0	0	0	2210.9	0.
GAU0075	ROCKDALE	84 2.4	39000	2318	8087	273.37	0.
5 DRC I	YELLOW RIVER	191	66.0	2318	8087	273.37	0.
GA4SAS0074	BULL PEN POINT	32 36.9	31.0	0	0	3994.4	0.
GAU0103	SCREVEN	81 24.3	12000	12772	80762	49.459	0.
2 DRC D	SAVANNAH RIVER	9705	14.0	12772	80762	49.459	0.
GA4SAS0072	BURTONS LANDING	32 59.8	65.0	0	0	29105	0.
GAU0078	SCREVEN	81 29.6	870000	80728	265428	109.65	0.
5 DRC D	SAVANNAH RIVER	8650	41.0	80728	265428	109.65	0.
GA4SAS0075	DICKS LOOKOUT POINT	32 51.1	32.0	0	0	6189.5	0.
GAU0104	SCREVEN	81 27.5	14000	24919	97899	63.223	0.
2 DRC D	SAVANNAH RIVER	9474	14.0	24919	97899	63.223	0.
GA4SAS0079	HIGH JOHNSONS LANDING	32 59.8	54.0	0	0	18918	0.
GAU0112	SCREVEN	81 24.4	260000	75103	216448	87.403	0.
5 DRC D	SAVANNAH RIVER	8855	31.0	75103	216448	87.403	0.
GA4SAS0073	LOW JOHNSONS LANDING	32 57.0	32.0	0	0	5166.6	0.
GAU0101	SCREVEN	81 30.5	15000	23291	91511	56.458	0.
2 DRC D	SAVANNAH RIVER	8855	14.0	23291	91511	56.458	0.







... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF HAWAII

POTENTIAL INCREMENTAL CAPACITY RANGES												
				5 MW	10 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW
*****	C M	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	U T W	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	M O	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	U T A	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	I L A N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	A L D	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	F T S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	E I G	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	E V I W	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	T E N H	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	I CAP	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	NUMBER	0	0	0	0	0	0	0	0	0	0	0
*****	CAPCTY	0	0	0	0	0	0	0	0	0	0	0
*****	ENERGY	0	0	0	0	0	0	0	0	0	0	0
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	NUMBER	0	0	0	0	0	0	0	0	0	0	0
*****	CAPCTY	0	0	0	0	0	0	0	0	0	0	0
*****	ENERGY	0	0	0	0	0	0	0	0	0	0	0
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	NUMBER	2	2	2	2	2	2	2	2	2	2	2
*****	CAPCTY	8	8	8	8	8	8	8	8	8	8	8
*****	ENERGY	5	5	5	5	5	5	5	5	5	5	5
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	NUMBER	13	13	13	13	13	13	13	13	13	13	13
*****	CAPCTY	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
*****	ENERGY	9	9	9	9	9	9	9	9	9	9	9
*****	>100	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	NUMBER	4	4	4	4	4	4	4	4	4	4	4
*****	CAPCTY	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
*****	ENERGY	105	105	105	105	105	105	105	105	105	105	105
*****	TOTAL	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	NUMBER	13	13	13	13	13	13	13	13	13	13	13
*****	CAPCTY	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
*****	ENERGY	105	105	105	105	105	105	105	105	105	105	105

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 COLUMN 5 = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 COLUMN 6 = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

• • • PRELIMINARY ESTIMATE • • •

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF HAWAII

SITE	POTENTIAL INCREMENTAL CAPACITY RANGES													
	0-5 MW			5-15 MW			15-25 MW			GREATER THAN 25 MW			TOTAL	
EXISTING	UNDEVELOPED	TOTAL	EXISTING	UNDEVELOPED	TOTAL	EXISTING	UNDEVELOPED	TOTAL	EXISTING	UNDEVELOPED	TOTAL	EXISTING	UNDEVELOPED	TOTAL
CAPACITY	ENERGY	POTENTIAL	CAPACITY	ENERGY	POTENTIAL	CAPACITY	ENERGY	POTENTIAL	CAPACITY	ENERGY	POTENTIAL	CAPACITY	ENERGY	POTENTIAL
0-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
>100	13.0	7.0	5.0	6.4	7.0	17.3	10.5	9.3	27.3	36.6	105.0	13.9	27.3	41.2
TOTAL	13.0	7.0	5.0	6.4	7.0	17.3	10.5	9.3	27.3	36.6	105.0	13.9	27.3	41.2

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
COLUMN 3 = UNDEVELOPED POTENTIAL  
COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
COLUMN 5 = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
COLUMN 6 = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

FM 2 ID NO	FM 1 ID NO	ACTY DEP	CODE CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	DR. AREA	(D M M)	(D M M)	(S M M)	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRGY	INC. ENRGY	TOT. ENRGY	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)	
H1P0H0004	H00130	5	DFC			HONOKAA	HAWAII	HONOKAA SUGAR CO	20 56.8	155 28.2					HI	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H1P0H0005	H100131	2	DFC			PAPAIKOII MILL	HAWAII	NONAME OFFSTR	19 46.9	155 5.4					H	0	0	0	0	0	0	0	0	0	0	0	0	0	1003
H1P0H0002	H100128	5	NWR			PUNEO	HAWAII	WAILUKU	19 43.8	155 5.5					H	0	0	0	0	0	0	0	0	0	0	0	0	0	1001
H1P0H0006	H100138	2	DRC	I		UNION	HAWAII	KOHALA DITCH	20 12.0	155 48.0					HI	0	500	500	500	0	4100	4100	0	94.687	0	0	0	0	1002
H1P0H0003	H100129	5	NWR			WAIKOU	HAWAII	WAILUKU	19 43.4	155 7.3					H	0	0	0	0	0	0	0	0	0	0	0	0	0	1002
H1P0H0001	H100007	2	DRC			WAILOA	HAWAII	WAILOA	20 4.8	155 37.3					H	10.0	608	608	608	0	4863	4863	0	11745	0	0	0	2003	
H1P0H0009	H100017	2	DRC			WAHAWA RESERVOIR	HONOLULU	KAUKONAHUA ST	21 30.0	158 3.0					IR	98.0	679	679	679	0	3809	3809	0	2415.0	0	0	0	2001	
H1P0H0010	H100098	5	DRC			ALEXANDER RESERVOIR	KAUAI	WAHAWA STREA	21 57.6	159 31.5					IHS	119.0	1000	1000	1000	0	2100	2100	0	0	0	0	0	0	
H1P0H0011	H100001	2	DRC			HANAIEI	KAUAI	HANAIEI RIVER	22 7.8	159 28.0					IS	10.0	230	230	230	0	2012	2012	0	11615	0	0	0	2002	

FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	DR AREA	LONGITUDE	LATITUDE	PROJ. PURP.	STATUS	AVE. G	WPR. HD.	MX. STOR.	INC. CAP.	EXIST. ENRG. MANUL. COST	ENERGY COST	TOT. ENRGY	(MWH)	(1000 \$)	(S/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
2	1					OWNER	(D M M)	(D M M)	(D M M)				(FT)	(AC FT)	(KW)	(KW)	(1000 \$)	(S/MWH)	(MWH)	(1000 \$)	(S/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
H1P0H0022					HYDRU KAUMAKANI	KAUAI	22 0.1	159 36.8	22 0.1	HI	DP	-10.1	10.0	0	500	7	0.90307	3100	1001	0.51918	1001	1001	1001	1001	
H100135					OLUKELE SUGAR CO	MAKAMELI	5	5	210.7				210.7	507	1360										
H1P0H0016					KAPAIA RESERVOIR	KAUAI	22 1.1	159 23.9	22 1.1	I	CP	-9.9	0	0	0	0	0	0	0	0	0	0	2006	2001	2006
H100012					HANAMAULU STR	LIHUE PLANTATION CO LTD	2	2	1194				1194	0	0	0	0	0	0	0	0	0	2006	2001	2006
H1P0H0012					KOKKE WATER PROJECT	KAUAI	22 7.9	159 37.0	240.0	HIRO	SI	-8.4	41000	679	679	14377	5194.7	2767	2007	2003	2009	2003	2003	2009	2009
H1U0003					STATE		1	1	959.0				959.0	679	2767										
H1P0H0017					KOLOKO RESERVOIR	KAUAI	22 10.7	159 22.9	0	I	CP	-9.6	1400	0	0	0	0	0	0	0	0	0			
H100030					OFFSTREAM	MARY N LUCAS ESTATE	1	1	35.9				35.9	0	0	0	0	0	0	0	0				
H1P0H0021					LOWER LIHUE	WAIAMI	22 1.2	159 26.8	0	HI	CP	48.0	206.0	0	0	0	0	0	0	0	0				
H100134					LIHUE PLANTATION CO		7	7	81.9				81.9	0	0	0	0	0	0	0	0				
H1P0H0015					PUU LUA RESERVOIR	KAUAI	22 5.5	159 40.8	110.0	I	CP	-63.9	888	115	115	62.955	76.51	827	2005	2001	2002	2001	2001	2002	2002
H100002					TR-HAELELE	KEKAHA SUGAR CO LTD	7	7	81.9				81.9	0	0	0	0	0	0	0	0				
H1P0H0020					UPPER LIHUE	WATAHI	22 1.4	159 27.9	0	HI	CP	22.0	247.0	0	0	0	0	0	0	0	0				
H100133					LIHUE PLANTATION CO		9	9	247.0				247.0	0	0	0	0	0	0	0	0				
H1P0H0014					WAIATALEALE	KAUAI	22 1.9	159 22.8	185.0	HIR	FP	-57.1	47000	4776	4776	14780	887.61	16651	2008	2002	2007	2008	2002	2007	2007
H1U00005					STATE		18	18	559.4				559.4	4776	16651										
H1P0H0024					WAIAWA	KAUAI	21 59.8	159 43.5	0	HI	CP	0	0	0	0	0	0	0	0	0	0				
H100137					KEKAHA SUGAR CO		0	0	275.0				275.0	0	0	0	0	0	0	0	0				



FM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM MT	EXIST.CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CD.	STATUS	MX.STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	AVE. Q	PWR. HD.	TOT. CAP.	TOT. ENRG		ERC COMPOSITE
CODE		(FT)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE		(FT)	(CFS)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ.MI)	(CFS)	(KW)	(MWH)		(SEQUENCE RANK)
HISPDH0025	WATHEE	20 56.3	H	0	0	0	2006
2	H1U0006	156 32.8		0	0	0	2002
	WATHEE RIVER	3		0	0	0	2005
	MAUT	58.0	241.0				
HISPDH0300	WATHEE	20 53.9	H	0	0	11576	
2	H1U0006	156 30.0		138	1024	11303	
	WATHEE RIVER	3		138	1024		
	MAUT	58.0	240.7				



PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF IDAHO

Table with columns: UNIT, LAN, FTS, EIW, T\*ENH, NUMBER, CAPACITY, ENERGY. Rows include categories like 0-19, 20-49, 50-99, >100 and a TOTAL row. Includes a LEGEND section at the bottom right.

... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF IDAHO

POTENTIAL INCREMENTAL CAPACITY RANGES															
	.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL					
NUMBER	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*
CAPCTY	INCR*	POTEN*	INCR*	POTEN*	INCR*	POTEN*	INCR*	POTEN*	INCR*	POTEN*	INCR*	POTEN*	INCR*	POTEN*	INCR*
ENERGY	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*
0-19	6*	4*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*	7*	4*	0*
20-49	4*	7*	0*	4*	0*	0*	3*	0*	0*	2*	0*	0*	8*	11*	4*
50-99	5*	12*	0*	12*	0*	0*	4*	2*	6*	6*	8*	9*	9*	16*	6*
>100	4*	7*	34*	41*	0*	0*	6*	5*	6*	26*	34*	10*	16*	65*	81*
TOTAL	19*	30*	34*	64*	1*	7*	14*	14*	34*	34*	40*	34*	47*	75*	122*
	105*	160*	196*	355*	16.5*	139*	147*	266*	2541*	1233*	6426*	7658*	1532*	6768*	8300*
	761*	498*	1006*	1504*	142*	322*	805*	1127*	11299*	1539*	12257*	13786*	2359*	14068*	16427*

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 COLUMN 5 = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 COLUMN 6 = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GTGAWATT-HOUR)

ID NO	FM 2	FM 1	ACTV	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST. ENRGY	INC. CAP.	INC. ENRGY	TOT. ENRGY	TOT. CAP.	(KW)	(MW)	(MW)	(MW)	(1000 \$)	COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)	
ID00207	2						BARBER DAM	ADA		43 33.5	116 7.2	OP	0	19804	40310	19804	0	0	0	0	0	0	0	0	1480.5	36.728						
ID00208	2						BLACKS LAKE	ADA		43 27.6	116 8.6	IS	59.0	0	0	1183	2097	2097	0	0	0	0	0	96.527	46.978							
ID00281	2						BOISE DIVERSION	ADA		43 32.5	116 5.9	OP	61.0	20113	110962	20113	0	0	0	0	0	0	0	0	643.84	51.278						
ID4NP0003	6						LOW GUFFEY	ADA		43 18.1	116 33.8	SP	27000	75000	278500	75000	0	0	0	0	0	0	0	0	5259.5	47.398						
ID00288	2						LUCKY PEAK	ADA		43 31.5	116 3.0	OP	250.0	75000	278500	75000	0	0	0	0	0	0	0	0	2557.4	9.1830						
ID00289	2						DAEN NPW	ADA		43 28.9	116 22.0	OP	307000	75000	278500	75000	0	0	0	0	0	0	0	0	165.74	35.149						
ID00605	5						NEW YORK CANAL	ADA		43 28.9	116 22.0	OP	0	1250	5000	5000	0	0	0	0	0	0	0	0	0	0	0					
ID00049	5						SWAN FALLS	ADA		45 14.5	116 22.1	OP	40.0	60000	410000	60000	0	0	0	0	0	0	0	0	0	0						
ID00299	2						BEAR CREEK FALLS	ADAMS		44 58.0	116 43.9	IS	10.0	3079	17207	3079	0	0	0	0	0	0	0	0	679.89	39.511						
ID00136	2						C REN ROSS	ADAMS		44 31.3	116 27.7	OP	67.0	2054	3750	2054	0	0	0	0	0	0	0	0	126.42	33.703						
ID00136	2						LITTLE WEISER	DOI USBR		44 31.3	116 27.7	OP	7787	2054	3750	2054	52.9	105.0	105.0	0	0	0	0	0	0	0						

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	DR. AREA	AVE. Q	MX. STOR.	INC. ENRG	ENERGY COST	ERC NONECONOMIC	TOT. ENRG	ERC COMPOSITE	(1000 \$)	(SEQUENCE RANK)
CODE	FILE	(D M.M)	(D M.M)	(AC FT)	(AC FT)	(MWH)	(\$/MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(SEQUENCE RANK)
STATUS	(SQ.MI)	(CFS)	(FT)	(FT)	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)
ID5NP0015	COLD SPRINGS RIDGE	ADAMS	LITTLE WEISER	44 30.5	116 18.5	H	10.0	0	1035	0	488.27	
IDU0300				30		IS	90	1035	2668	2668	183.0	
5 DRC I				45.0	999.0							
ID5NP0012	CUPRUM	ADAMS	INDIAN CREEK	45 4.3	116 46.0	H	10.0	0	1431	0	392.80	
IDU0297				25		IS	90	1431	7090	7090	55.402	
2 DRC I				30.0	1915.0							
ID5NP0011	DEEP CREEK	ADAMS	DEEP CREEK	45 15.0	116 41.9	H	10.0	0	2713	0	510.64	
IDU0296				22		IS	90	2713	10177	10177	50.175	
2 DRC I				30.0	2687.1							
ID5NP0013	EMERY CREEK	ADAMS	WILDHORSE RIV	44 53.0	116 43.9	H	10.0	0	2031	0	681.21	
IDU0298				115		IS	90	2031	12370	12370	54.193	
2 DRC I				110.0	559.4							
IDINP0017	HELLS CANYON	ADAMS	SNAKE RIVER	42 19.9	7330	H	330.0	391500	0	1995600	0	
ID00055				0.0		DP	170000	0	0	0	0	
5 DFC I	ID POWER CO			19550.5	272.9			391500	1995600	1995600		
IDINP0018	OXRON	ADAMS	SNAKE RIVER	44 58.0	72600	H	209.0	190000	0	1044300	0	
ID00057				50.5		DP	58500	0	0	0	0	
5 DFC I	ID POWER CO			16402.8	94.9			190000	1044300	1044300		
ID4NP0010	ROUND VALLEY	ADAMS	LITTLE SALMON	45 6.9	116 16.9	H	220.0	0	17833	0	5553.9	
IDU0105				208		IS	700000	17833	24053	24053	230.90	
5 DRC I				310.0	192.6			17833	24053	24053		
ID5NP0016	WILDHORSE	ADAMS	WILDHORSE RIV	44 50.9	116 52.9	H	10.0	0	3266	0	734.28	
IDU0332				115		IS	90	3266	20283	20283	36.201	
2 DRC I				110.0	994.0							
ID4NP0094	BLACK ROCK	ADAMS	PORTNEUF RIVE	42 47.9	112 20.9	H	60.0	0	2075	0	2329.6	
IDU0085				897		IS	67200	2075	4446	4446	523.98	
5 DRC I				235.0	37.2			2075	4446	4446		



FM 2 ID NO	PROJECT NAME	PRIMARY CO. OWNER	STREAM	DR. AREA (D.M.M)	LONGITUDE (D.M.M)	LATITUDE (D.M.M)	PURP. STATUS	AVE. @	PHR. HD.	MX. STOR.	DAM HT	EXIST. CAP. (KW)	INC. CAP. (KW)	TOT. CAP. (KW)	TOT. ENERGY (MWH)	INC. ENERGY (MWH)	EXIST. ENRG. ANUL. COST (\$/MWH)	ANUL. COST (\$/MWH)	ERC ECONOMIC RANK	ERC NON-ECONOMIC RANK
ID6NPW0034	BRUSH CREEK	BINGHAM	BLACKFOOT RIV	43 6.9	111 54.0	43 6.9	H	248.0	186.8	9500	20.0	14768	14768	0	23631	23631	2297.1	97.207		
ID6NPW0030	FERRY BUTTE	BINGHAM	SNAKE RIVER	43 6.9	112 33.9	43 6.9	H	3913.0	50850	35.0	0	11663	11663	0	47108	47108	4493.3	95.382		
ID6NPW0036	FIRTH	BINGHAM	SNAKE RIVER	43 18.9	112 11.0	43 18.9	H	5140.0	1754	20.0	0	3867	3867	0	19211	19211	2845.2	148.10		
ID6NPW0035	GRAVES CREEK	BINGHAM	BLACKFOOT RIV	43 2.9	111 54.9	43 2.9	H	225.0	71500	230.0	0	14690	14690	0	32614	32614	7905.9	242.40		
ID6NPW0028	MONROE	BINGHAM	SNAKE RIVER	43 20.3	112 9.9	43 20.3	H	5140.0	16.7	37.0	0	11384	11384	0	52904	52904	4025.2	76.84		
ID6NPW0033	SPRING CREEK	BINGHAM	BLACKFOOT RIV	43 10.0	111 58.9	43 10.0	H	260.0	239.7	10.0	0	4744	4744	0	24924	24924	933.96	37.473		
ID6NPW0031	WOLVERINE CREEK	BINGHAM	BLACKFOOT RIV	43 15.3	112 3.9	43 15.3	H	347.0	259.7	90	0	4453	4453	0	8896	8896	1208.4	135.63		
ID6NPW0037	WOODVILLE	BINGHAM	SNAKE RIVER	43 24.0	112 9.0	43 24.0	H	5130.0	4.9	25.0	0	1802	1802	0	12159	12159	2975.0	244.68		
ID6NPW0045	SAKER CREEK	BINGHAM	BIG WOOD RIVE	43 46.9	114 33.0	43 46.9	H	90.0	399.6	10.0	0	0	0	0	0	0	503.39	0		

PM 2 ID NO	PM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENERGY	INC. ENERGY	TOT. ENERGY	(MWH)	(1000 \$)	(SEQUENCE RANK)
							DR. AREA	DR. AREA	AVE. Q	FWR. HD.	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
ID6NPW0044					SOULDER FLATS	BLATNE	114 28.0	43 47.3	HIC	250.0	0	7065	7065	12708	0	12708	0	4188.6	
IDU0269					BIG WOOD RIVER		135	170.0	IS	180320	0	7065	7065	12708	0	12708	0	329.59	
ID5NPW0042					CAREY				H	10.0	0	1002	1002	4047	0	4047	0	710.20	
IDU0267					LITTLE WOOD R		113 56.9	130.0	IS	90	0	1002	1002	4047	0	4047	0	175.47	
ID5NPW0038					HALLEY				HR	10.0	0	1686	1686	7177	0	7177	0	1308.9	
IDU0001					BLATNE		114 19.3	245	IS	90	0	1686	1686	7177	0	7177	0	182.37	
ID5 DRC I										399.6	0	1686	1686	7177	0	7177	0		
ID5NPW0039					KETCHUM				HR	10.0	0	1239	1239	5723	0	5723	0	1050.0	
IDU0002					BLATNE		114 28.9	240	IS	90	0	1239	1239	5723	0	5723	0	183.46	
ID5 DRC I										299.7	0	1239	1239	5723	0	5723	0		
ID5NPW0040					LAKE CREEK				H	10.0	0	1227	1227	3157	0	3157	0	943.8	
IDU0008					BLATNE		114 24.0	212	IS	90	0	1227	1227	3157	0	3157	0	311.30	
ID5 DRC I										359.6	0	1227	1227	3157	0	3157	0		
IDCNPW0047					LITTLE WOOD				I C	122.0	0	2863	2863	5839	0	5839	0	232.0	
ID00041					BLATNE		43 20.5	1.5	OP	32000	0	2863	2863	5839	0	5839	0	39.729	
ID2 DRC I					DOI USER		114 27.9	150.0	OP	107.8	0	2863	2863	5839	0	5839	0		
IDCNPW0046					MAGIC				I C	133.0	0	16525	16525	30051	0	30051	0	1046.3	
ID00039					BLATNE		114 21.4	1600	OP	192000	0	16525	16525	30051	0	30051	0	34.819	
ID2 DRC I					BIG WOOD CANAL CO		114 16.0	-474.3	OP	119.8	0	16525	16525	30051	0	30051	0		
IDCNPW0043					UPPER LITTLE WOOD				H	45.0	0	57	57	351	0	351	0	18.841	
IDU0268					BLATNE		114 3.0	116	IS	600	0	57	57	351	0	351	0	53.598	
ID5 DRC I										37.9	0	57	57	351	0	351	0		
ID6NPW0054					ARCHIE CREEK				H	385.0	0	79838	79838	108935	0	108935	0	5375.4	
IDU0064					NOISE		44 4.9	28.9	IS	140000	0	79838	79838	108935	0	108935	0	49.345	
ID2 DRC I					SOUTH FORK PA		115 28.9	369	IS	366.6	0	79838	79838	108935	0	108935	0		
										715.0	0	79838	79838	108935	0	108935	0		

FM 2 ID NO	PROJECT NAME	LATITUDE	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO.	LONGITUDE	STATUS	MX. STUR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
CODE	OWNER	DR. AREA	AVE. Q	PR. HD.	TOT. CAP.	TOT. ENRG		ERC COMPOSITE
FILE		(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
STATUS		(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
ID5NPW0061	BARON CREEK	44 9.2	H	10.0	0	0	460.82	
5 DRC I	BOISE	115 11.9	IS	90	1167	4743	97.140	
ID6NPW0057	BIG PINE CREEK	44 4.1	H	315.0	0	0	5632.1	
2 DRC I	BOISE	115 45.0	IS	110000	95989	150865	37.332	
ID5NPW0066	BULL TROUT LAKE	44 7.3	H	10.0	0	0	467.14	
5 DRC I	BOISE	115 24.0	IS	90	1241	4674	99.944	
ID6NPW0059	CANYON CREEK	44 10.4	H	245.0	0	0	2454.8	
5 DRC I	BOISE	115 15.0	IS	33000	17273	27112	90.544	
ID6NPW0055	CASNER CREEK	44 7.5	H	460.0	0	0	4891.2	
2 DRC I	BOISE	115 20.0	IS	142000	63629	86771	56.369	
ID5NPW0001	CLEAR CREEK	44 4.9	H	10.0	0	0	577.97	
5 DRC I	BOISE	115 37.2	IS	90	1558	2639	218.97	
ID5NPW0065	EIGHT MILE	44 7.3	H	10.0	0	0	415.82	
5 DRC I	BOISE	115 24.0	IS	90	676	3137	132.53	
ID5NPW0050	ELK LAKE	44 5.9	H	10.0	0	0	679.5	
5 DRC I	BOISE	115 9.0	IS	90	2426	5062	134.13	
ID5NPW0067	FOGUS	44 10.0	H	10.0	0	0	416.26	
5 DRC I	BOISE	115 15.0	IS	90	852	1743	238.73	





FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME	DR. AREA	DR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	(D M.M)	(D M.M)	AVE. Q	PWR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
CODE		(D M.M)	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(SQ. MI)	(SQ. MI)		(FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS									
IDANPW0060	STEEP CREEK	44 4.1	115 36.4	H	145.0	0	0	3153.6	
IDU0071	ROISE	115 36.4	115 36.4	IS	16400	25556	55082	57.253	
2 DRC I		383	383		121.9	25556	55082		
IDINPS0008	ALRENI FALLS	48 10.7		HCR	90.0	42600	0	0	
ID00319	BONNER	116 59.9		OP	1540000	0	0	0	
5 DRC I	DAEN NPS	24200			31.3	42600	0	0	
IDINPS0007	CARTNET GORGE	48 5.1		H	195.0	200000	1088500	3321.1	
ID00222	BONNER	116 3.3		OP	44000	100000	0	0	
5 DFC I	WASHINGTON WATER POWER C	21840			181.9	300000	1088500	0	
IDSNPS0006	PRIEST LAKE NEW OUTLET CONTR	48 28.0		H C	60.0	0	0	8739.3	
IDU3011	BONNER	116 54.5		IS	0	7024	29071	300.61	
5 DRC S		585			54.9	7024	29071		
IDANPS3013	PRIEST LAKE	48 28.0		HC	160.0	0	0	10912	
IDU3011	BONNER	116 54.5		IS	0	17322	33037	330.31	
6 DRC S		585			136.8	17322	33037		
IDANPS0005	PRIEST NO.4	48 25.3		HC	60.0	0	0	1718.4	
IDU3010	BONNER	116 54.5		IS	0	6289	26364	65.161	
5 DRC S		615			47.9	6289	26364		
ID7NPS0004	PRIEST NO.6	48 15.4		HC	185.0	0	0	6777.2	
IDU3009	BONNER	116 51.4		IS	0	26210	149178	45.430	
2 DFC I		790			162.0	26210	149178		
IDANPS0003	PRIEST RIVER	48 11.6		HC	70.0	0	0	3350.4	
IDU3008	BONNER	116 53.8		IS	0	14084	53395	62.748	
5 DRC S		907			61.9	14084	53395		
ID6NPM0069	BURNS CREEK	43 36.1		HI	178.0	0	0	14158	
IDU0042	BONNEVILLE	111 30.0		SP	230000	320628	583016	24.285	
2 DRC I		5659			165.8	320628	583016		

FM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	STATUS	HYD. STOR.	INC. CAP.	INC. ENRG ENERGY COST	ERC NONECONOMIC
ACTV CODE	OWNER	AVE. Q	PR. HD.	TOT. CAP.	TOT. ENERGY	ERC COMPOSITE
FILE CODE		(D M.M)	(FT)	(KW)	(MWH)	(1000 \$)
STATUS		(D M.M)	(AC FT)	(KW)	(MWH)	(\$/MWH)
		(SQ.MI)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
		(CFS)				(SEQUENCE RANK)
ID6NPM0071	CLARK RANCH	43 35.9	95.0	0	0	11999
IDU0068	BONNEVILLE	111 36.4	30000	126417	283606	42.311
2 DRC 9		5700	64.9	126417	283606	
ID6NPM0070	LOWER NEW IDAMC FALLS	43 25.2	40.0	3000	24000	825.3
IDU0050	BONNEVILLE	112 5.9	4000	8000	56172	14.687
5 DFC 1	CITY OF IDAMC FALL	9760	15.6	11000	80172	
ID5NPM0074	LOWER PINE CREEK	43 30.0	10.0	0	0	415.31
IDU0327	BONNEVILLE	111 22.0	90	297	667	622.46
5 DRC 1		63	299.7	297	667	
ID4NPM0068	LOWER RUSH BEDS	43 35.9	85.0	0	0	12099
IDU0038	BONNEVILLE	111 39.0	51855	117638	264337	45.772
2 DRC 1		5745	60.6	117638	264337	
ID1NPM0080	PALISADES	43 19.9	270.0	114000	610000	2744.4
ID00273	BONNEVILLE	111 11.9	1402000	90000	158000	17.370
2 DFC 1	DOI USBR/ID POWER CO	5208	248.5	204000	766000	
ID5NPM0076	PALISADES LAKES	43 23.0	10.0	0	0	626.25
IDU0329	BONNEVILLE	111 15.0	90	2722	3970	157.73
5 DRC 1		42	1243.7	2722	3970	
ID5NPM0075	POTSON CREEK	43 32.3	10.0	0	0	396.74
IDU0328	BONNEVILLE	111 16.0	90	376	868	456.63
5 DRC 1		45	399.6	376	868	
ID6NPM0081	RIRTE	43 10.0	184.0	0	0	463.3
ID00348	BONNEVILLE	110 39.9	100000	5164	10104	45.825
2 DRC 1	DOI USBR BUILT BY DAEN NPM	622	176.8	5164	10104	
ID6NPM0072	SWAN VALLEY	43 27.0	120.0	0	0	13576
IDU0200	BONNEVILLE	111 23.2	6710	187230	420210	32.308
2 DRC 1		5486	99.8	187230	420210	

FM 2 ID NO	PROJECT NAME	DR AREA	LONGITUDE	PROJ. PURP.	STATUS	AVE. G	WTR. HD.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. ENERGY	MANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	(D M M)	(S M M)	(AC FT)	(CFS)	(FT)	(KW)	(MW)	(1000 \$)	(\$/MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
FILE		(D M M)	(S M M)	(AC FT)	(CFS)	(FT)	(KW)	(MW)	(1000 \$)	(\$/MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
STATUS		(S M M)	(S M M)	(AC FT)	(CFS)	(FT)	(KW)	(MW)	(1000 \$)	(\$/MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
ID6NP0073	TEX CREEK	43 26.2	111 43.3	H	IS	330.0	18778	0	0	7955.4	0	0	0
5	BONNEVILLE	111 43.3	556	IS	195.0	322.6	18778	25569	25569	311.12	0	0	0
ID6NP0077	UPPER IDAHO FALLS NO 2	43 33.1		H		30.0	2400	16000	16000	881.94	0	0	0
ID00167	BONNEVILLE SNAKE RIVER	112 3.0		DP		900	8000	41409	41409	21.298	0	0	0
5	CITY OF IDAHO FALLS	9760			-6257.5	13.9	10400	57409	57409		0	0	0
ID6NP0078	UPPER IDAHO FALLS NO 1	43 29.0		H		25.0	2000	14000	14000	522.42	0	0	0
ID00168	BONNEVILLE SNAKE RIVER	112 2.3		DP		900	6000	42565	42565	12.273	0	0	0
5	CITY OF IDAHO FALLS	9760			5200.0	19.0	8000	56565	56565		0	0	0
ID5NP0009	EILEEN	48 46.6		H		160.0	0	0	0	3472.7	0	0	0
IDU3002	BOUNDARY	116 9.1		IS		0	21456	74266	74266	46.760	0	0	0
2		750			-888.8	232.0	21456	74266	74266		0	0	0
ID5NP0024	KATKA	48 41.6		H		95.0	0	0	0	9741.4	0	0	0
IDU3001	BOUNDARY	116 8.0		IS		0	164973	690359	690359	14.110	0	0	0
2		12000			-14493.0	102.0	164973	690359	690359		0	0	0
ID7NP0011	MEADOW CREEK	48 49.9		HC		260.0	0	0	0	6701.8	0	0	0
IDU3004	BOUNDARY	116 9.7		IS		0	27623	167116	167116	40.102	0	0	0
2		700			-829.5	320.0	27623	167116	167116		0	0	0
ID6NP0010	MOYTE CANYON	48 49.9		H		260.0	0	0	0	5692.3	0	0	0
IDU3003	BOUNDARY	116 9.7		IS		0	21580	130559	130559	43.599	0	0	0
2		700			-829.5	250.0	21580	130559	130559		0	0	0
IDHNP0012	MOYTE FALLS DAM	48 44.0		H		80.0	2380	12000	12000	198.54	0	0	0
ID00155	BOUNDARY	116 10.4		DP		800	1500	6000	6000	33.91	0	0	0
2	CITY OF BONNERS FERRY	760			-900.6	211.0	3880	18000	18000		0	0	0
ID5NP0082	BARTLETT POINT	44 2.3		H		10.0	0	0	0	1849.6	0	0	0
IDU0005	BUTTE	113 54.9		IS		90	21578	94987	94987	19.472	0	0	0
2	BIG LOST RIVER	430			280.0	2697.3	21578	94987	94987		0	0	0

PH 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO. OWNER	NAME OF STREAM	STATUS	AX. STOR.	INC. CAP.	INC. ENERGY	ENERGY COST	ERC NONECONOMIC
FILE	DR. AREA	AVE. B	PHR. HD.	TOT. CAP.	TOT. ENRGY	(MWH)	(1000 \$)	ERC COMPOSITE
STATUS	(D M.M)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(1000 \$)	(SEQUENCE RANK)
ID5NPM0083	HOWE	43 58.0	H	10.0	0	0	761.2	
5 DRC I	BUTTE	113 13.9	IS	90	238	491	1549.5	
ID5NPM0084	RENO	43 56.0	H	10.0	0	0	1236.8	
5 DRC I	BUTTE	112 46.0	IS	90	4737	16490	75.0	
ID6NPM0085	BIG SMOKY	43 35.9	H	280.0	0	0	5106.6	
5 DRC I	CAMAS	114 54.9	IS	125000	24828	40690	125.50	
ID7NPM0088	JOHNSON CREEK	43 39.0	H	300.0	0	0	5056.6	
5 DRC I	CAMAS	114 54.3	IS	180000	499	877	5760.7	
ID5NPM0087	LITTLE SMOKEY	43 32.9	H	10.0	0	0	516.83	
5 DRC I	CAMAS	114 46.9	IS	90	596	2413	214.17	
IDENPM0093	LOWER DEER FLAT	43 34.7	IR	46.0	0	0	439.61	
2 DRC D	CANYON	116 44.5	OP	190000	7866	32969	13.333	
ID4NPM0090	MARSING	43 30.1	H	51.0	0	0	7123.6	
6 DRC I	CANYON	116 43.9	IS	32000	52366	252377	28.226	
IDENPM0092	MIDDLE DEER FLAT	43 33.7	IR	16.0	0	0	4.7241	
5 DRC D	CANYON	116 9.9	OP	190000	0	0	19344	
IDENPM0091	UPPER DEER FLAT	43 33.5	IR	74.0	0	0	694.44	
2 DRC D	CANYON	116 38.9	OP	190000	8807	45942	15.115	
	DOI USBR	2680		350.0	8807	45942		



FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	DR AREA	DR AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	(D M N)	(D M N)	AVE. G	PNR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
CODE		(S O M I)	(S O M I)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE					(FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS									
ID5NPW0113	ELIZABETH MOUNTAIN	46 45.0	115 13.9	H	10.0	3935	17819	1682.7	
IDU0208	CLEARWATER	46 45.0	115 13.9	IS	90	3935	17819	94.437	
5 DRC I		152	152		299.7				
ID5NPW0109	GATEWAY	46 55.0	115 43.9	H	10.0	0	0	1818.4	
IDU0203	CLEARWATER	46 55.0	115 43.9	IS	90	7603	35345	51.448	
2 DRC I		178	178		499.5	7603	35345		
ID6NPW0103	KELLY FORK	46 43.2	115 16.5	H	400.0	0	0	6692.8	
IDU0189	CLEARWATER	46 43.2	115 16.5	IS	64000	158188	209460	31.952	
2 DRC I		360	360		374.6	158188	209460		
ID7NPW0112	KELLYS THUMB	46 43.0	115 5.0	H	210.0	0	0	5184.2	
IDU0207	CLEARWATER	46 43.0	115 5.0	IS	190000	13847	61483	84.319	
5 DRC I		318	318		499.5	13847	61483		
ID6NPW0101	KOOKIA	46 20.1	116 7.9	H	194.0	0	0	19764	
IDU0161	CLEARWATER	46 20.1	116 7.9	IS	567000	557643	853074	23.168	
6 DRC I		4944	4944		163.8	557643	853074		
ID7NPW0114	LOLO PASS	46 34.9	114 35.9	H	510.0	0	0	20315	
IDU0223	CLEARWATER	46 34.9	114 35.9	IS	400000	4071	21208	957.90	
5 DRC I		80	80		999.0	4071	21208		
ID4NPW0104	OROFIND	40 28.2	116 15.0	H	106.0	0	0	1701.8	
IDU0190	CLEARWATER	40 28.2	116 15.0	IS	30000	58	46	36549	
5 DRC I		5375	5375		82.6	58	46		
ID5NPW0111	ORGRANDE	46 37.3	115 30.0	H	10.0	0	0	674.46	
IDU0206	CLEARWATER	46 37.3	115 30.0	IS	90	3520	17947	37.579	
2 DRC I		63	63		689.3	3520	17947		
ID6NPW0102	ROCK CREEK	46 47.3	115 27.7	H	480.0	0	0	13601	
IDU0182	CLEARWATER	46 47.3	115 27.7	IS	380000	570119	796637	17.73	
2 DRC I		1126	1126		454.5	570119	796637		

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRGY-ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR AREA	AVE. 0	WPR. HD.	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
CODE		(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)
FILE		(D M.M)		(AC FT)	(KW)	(MWH)	(\$/MWH)
STATUS		(SQ.MI)		(FT)	(KW)	(MWH)	(SEQUENCE RANK)
ID6NPW0107	SALMON CREEK	46 51.5	H	270.0	0	0	13019
IDU0198	CLEARWATER	115 39.0	IS	113000	361685	531889	24.476
2 DRC I		1400		244.7	361685	531889	
ID6NPW0106	WEITAS	46 38.0	H	430.0	0	0	12661
IDU0197	CLEARWATER	115 26.4	IS	400000	465086	518602	24.413
2 DRC I		980		404.5	465086	518602	
ID6NPW0123	RACON	44 46.5	H	420.0	0	0	7869.9
IDU0113	CUSTER	114 52.7	IS	364000	147113	147682	53.289
6 DRC I		1110		395.3	147113	147682	
ID6NPW0117	RADGER CREEK	44 15.5	H	130.0	0	0	3898.1
IDU0094	CUSTER	114 19.3	IS	31500	25142	53492	72.872
5 DRC I		951		110.8	25142	53492	
ID6NPW0133	BAYHORSE	44 24.0	H	335.0	0	0	15186
IDU0289	CUSTER	114 15.0	IS	550000	144518	213308	71.195
5 DRC I		1800		319.6	144518	213308	
ID6NPW0124	BEAR VALLEY	44 27.0	H	310.0	0	0	4325.0
IDU0114	CUSTER	115 13.4	IS	400000	16247	22625	191.16
5 DRC I		338		286.7	16247	22625	
ID4NPW0135	BONANZA	44 19.5	H	240.0	0	0	2900.0
IDU0291	CUSTER	114 43.0	IS	116700	9373	15416	188.11
5 DRC I		170		233.7	9373	15416	
ID7NPW0132	CASTLE CREEK	43 54.0	H	240.0	0	0	4106.4
IDU0271	CUSTER	114 3.0	IS	257200	718	2920	1406.0
5 DRC I		190		399.6	718	2920	
ID6NPW0126	CHALLIS	44 24.0	H	345.0	0	0	8193.1
IDU0123	CUSTER	114 15.3	IS	550000	161906	197003	41.588
6 DRC S		1825		312.6	161906	197003	



FM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	STATUS	MX.STUR.	INC.CAP.	INC.ENERGY	ENERGY COST
ACTV DEP	OWNER	AVE. Q	#PWR. MD.	TOT. CAP.	TOT.ENERGY	(1000 \$)
CODE	DR.AREA	(FT)	(MW)	(MWH)	(MWH)	(\$/MWH)
FILE	(D M.M)	(AC FT)	(MW)	(MWH)	(MWH)	(SEQUENCE RANK)
STATUS	(90.MI)	(CFS)	(FT)	(MW)	(MWH)	(SEQUENCE RANK)
ID6NPW0127	CHALLIS CREEK	H	155.0	0	0	1731.3
IDU0124	CHALLIS CREEK	IS	10600	1207	2500	692.41
5 DRC I			147.8	1207	2500	
ID6NPW0119	CHALLIS REREGULATING	H	120.0	0	0	4198.0
IDU0102	SALMON RIVER	IS	26000	13642	65260	64.326
6 DRC S			83.9	18642	65260	
ID6NPW0120	CLAYTON	H	380.0	0	0	8161.7
IDU0103	SALPON RIVER	IS	60000	156952	235227	34.697
6 DRC I			348.2	156952	235227	
ID6NPW0122	DEADMAN	H	330.0	0	0	10358
IDU0109	EAST FORK SAL	IS	293100	16010	21947	471.97
5 DRC I			311.6	16010	21947	
ID6NPW0137	EIGHT MILE	H	420.0	0	0	4281.8
IDU0293	YANKEE FORK S	IS	317000	3222	5912	724.14
5 DRC I			408.6	3222	5912	
ID6NPW0131	FALCONBERRY	H	10.0	0	0	760.94
IDU0255	LOON CREEK	IS	90	1944	4138	183.86
5 DRC I			359.6	1944	4138	
ID6NPW0136	FIVE MILE	H	10.0	0	0	424.45
IDU0292	YANKEE FORK S	IS	90	555	2419	175.41
5 DRC I			549.4	555	2419	
ID6NPW0130	FRANKLIN	H	10.0	0	0	1214.9
IDU0254	LOON CREEK	IS	90	3114	6122	198.43
5 DRC I			524.4	3114	6122	
ID6NPW0116	FULLER RANCH	H	340.0	0	0	7015.6
IDU0088	MIDDLE FORK S	IS	362000	122835	171655	40.870
6 DRC I			316.6	122835	171655	

ID NO	PROJECT NAME	PRIMRY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 2	ID NO	FM 1	ID NO	DR. AREA	DR. AREA	AVE. G	PR. HO.	TOT. CAP.	INC. ENERGY	ENERGY COST	ERC COMPOSITE	ERC COMPOSITE
ACTV	CODE	FILE	STATUS	(D M.M)	(D M.M)	(CFS)	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)
5	DRC I			(SQ.MI)	(AC FT)	(FT)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)
ID6NPH0115	GARDEN CREEK	CUSTER	BIG LOST RIVE	43 59.0	114 3.9	H	310.0	0	0	11076	0	0
5	DRC I			430	280.0	IS	365350	23107	46334	239.5	46334	46334
ID4NPH0129	HOLMAN CREEK	CUSTER	SALMON RIVER	44 16.1	114 19.2	H	105.0	0	0	3553.6	0	0
5	DRC I			1000	1200.0	IS	22570	19732	44974	79.13	44974	44974
ID5NPH0134	LITTLE WICKIUP	CUSTER	EAST FORK SAL	44 8.2	114 25.3	H	10.0	0	0	567.42	0	0
5	DRC I			153	120.0	IS	90	474	1049	540.60	474	1049
IDCNPH0139	MACKAY	CUSTER	BIG LOST RIVE	43 57.2	113 40.3	IS	100.0	0	0	161.79	0	0
2	DRC I			788	304.0	OP	36600	1708	8368	19.335	1708	8368
ID6NPH0125	PUNGO	CUSTER	MIDDLE FORK S	44 45.5	115 3.0	H	405.0	0	0	10052	0	0
6	DRC I			900	1170.0	IS	337000	313974	369024	27.241	313974	369024
ID6NPH0121	ROBINSON BAR	CUSTER	SALMON RIVER	44 15.9	114 46.9	H	363.0	0	0	6000.7	0	0
5	DRC I			852	1050.0	IS	30000	78241	84549	70.973	78241	84549
ID6NPH0128	STANLEY	CUSTER	SALMON RIVER	44 15.0	114 52.9	H	367.0	0	0	11958	0	0
5	DRC I			535	720.0	IS	156000	64213	87203	137.13	64213	87203
ID4NPH0160	ALEXANDER FLATS	ELMORE	MIDDLE FORK R	43 46.3	115 32.3	H	110.0	0	0	2828.7	0	0
5	DRC I			356	350.0	IS	15000	22861	34825	61.224	22861	34825
ID1NPH0166	ANDERSON RANCH	ELMORE	SOUTH FORK B0	43 21.5	115 26.7	H	456.0	27000	149000	1780.4	27000	149000
2	DRC I			980	922.0	OP	509000	43000	27100	65.700	43000	27100

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PRJ.PURP.	DAM MT	EXIST.CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC								
FM 1 ID NO	ACTV DEP	FILE	STATUS	DR AREA	(D M.M)	(D M.M)	(SQ.MI)	IC	DP	OP	INC. CAP.	INC. ENRG	ENERGY COST	TOT. ENRG	(MWH)	(1000 \$)	(S/MWH)	ERC COMPOSITE	(SEQUENCE RANK)
ACTV CODE	CODE	FILE	STATUS	DR AREA	(D M.M)	(D M.M)	(SQ.MI)	IC	DP	OP	INC. CAP.	INC. ENRG	ENERGY COST	TOT. ENRG	(MWH)	(1000 \$)	(S/MWH)	ERC COMPOSITE	(SEQUENCE RANK)
ID6NPH0167	ARROWROCK	ELMORE	BOISE RIVER	43 35.7	115 55.2	2210	1358.0	H	DP	OP	50000	175200	10.458	175200	175200	1832.3	10.458		
2 DFC I		DOI USBR									50000	175200	10.458	175200	175200	1832.3	10.458		
ID6NPH0147	ATLANTA	ELMORE	MIDDLE FORK	43 48.5	115 6.0	40	300.0	H	DP	OP	180	100	181.85	423	4523	41.116			
2 DRA I		ATLANTA POWER CO									180	100	181.85	423	4523	41.116			
ID6NPH0148	BALD MOUNTAIN	ELMORE	MIDDLE FORK	43 48.3	115 15.4	180	300.0	H	IS	IS	0	0	582.69	0	0	582.69	0		
5 DRC I		ELMORE									0	0	582.69	0	0	582.69	0		
ID6NPH0143	BARBER FLATS	ELMORE	NORTH FORK	43 45.9	115 37.0	310	508.0	H	IS	IS	0	3599	4084.3	16426	16426	248.64			
5 DRC I		ELMORE									0	3599	4084.3	16426	16426	248.64			
ID6NPH0156	RASCUM FLATS	ELMORE	SOUTH FORK	43 36.7	115 9.3	447	580.0	H	IS	IS	0	23240	3686.0	40013	40013	92.120			
5 DRC I		ELMORE									0	23240	3686.0	40013	40013	92.120			
ID6NPH0151	HIG OWL	ELMORE	NORTH FORK	43 53.0	115 30.0	111	150.0	H	IS	IS	0	1403	929.9	5291	5291	175.59			
5 DRC I		ELMORE									0	1403	929.9	5291	5291	175.59			
ID6NPH0154	CASEY RANCH	ELMORE	SOUTH FORK	43 31.3	115 18.1	627	815.0	H	IS	IS	0	79269	8970.0	106574	106574	64.167			
5 DRC I		ELMORE									0	79269	8970.0	106574	106574	64.167			
ID6NPH0146	CASEY TO ANDERSON	ELMORE	SOUTH FORK	43 29.0	115 18.0	627	815.0	H	IS	IS	0	23805	3360.2	41212	41212	81.534			
5 DRC I		ELMORE									0	23805	3360.2	41212	41212	81.534			
ID6NPH0155	FEATHERVILLE	ELMORE	SOUTH FORK	43 36.5	115 12.9	465	605.0	H	IS	IS	0	38687	4394.8	53748	53748	61.767			
5 DRC I		ELMORE									0	38687	4394.8	53748	53748	61.767			



PM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT.	EXIST. CAP.	INC. ENRG.	ANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMARY CN. NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	EXIST. CAP.	INC. ENRG.	ENERGY COST	ERC NON-ECONOMIC
CODE	OWNER	DR. AREA	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRGY	(1000 \$)	ERC COMPOSITE
FILE		(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(O.M.M)	(SQ.MI)	(FT)	(KW)	(MWH)		(SEQUENCE RANK)
ID5NPW0141	SLIDE GULCH	43 39.8	M	10.0	0	0	1988.6	
IDU00015	ELMORE	115 43.3	IS	90	3921	18476	75.157	
5 DRC I		830		179.8	3921	18476		
ID5NPW0150	TRAIL CREEK	43 53.0	M	10.0	0	0	763.38	
IDU00034	ELMORE	115 24.9	IS	90	1918	9230	84.869	
5 DRC E		84		599.4	1918	9230		
ID6NPW0142	TWIN SPRINGS	43 41.2	M	474.0	0	0	10151	
IDU00016	ELMORE	115 40.2	SI	60000	175338	254109	39.949	
2 DRC I		830		454.5	175338	254109		
ID7NPW0161	YUBA DAM AND RESERVOIR	43 48.3	M	200.0	0	0	2904.8	
IDU00263	ELMORE	115 11.9	IS	90000	502	2016	1440.4	
5 DRC E		53		499.5	502	2016		
IDCSPK0727	FOSTER RESERVOIR	42 7.5	I	75.0	0	0	53.985	
ID000079	FRANKLIN	111 50.5	OP	3355	92	729	74.37	
5 DRC	CUB RIV AND PRESTON-WHITNEY IRR CO	20		73.9	92	729		
IDCSPK0728	GLENDALE RESERVOIR	42 7.6	ISR	77.0	0	0	52.625	
ID000175	FRANKLIN	111 48.5	OP	6000	56	475	110.67	
5 DRC	PRESTON-WHITNEY IRRIG CO	19		62.9	56	475		
IDCSPK0724	LAMONT RESERVOIR	42 6.3	I	70.0	0	0	54.477	
ID000071	FRANKLIN	111 48.6	OP	2408	74	627	86.840	
5 DRC	PRESTON-WHITNEY IRR CO	22		65.9	74	627		
ID6SPK0713	MAPLETON RESERVOIR	42 3.3	C	110.0	0	0	1623.0	
IDU00365	FRANKLIN	111 46.8	IS	0	115	792	2047.0	
5 DRC I	CUB RIVER	82		124.8	115	792		
ID7SPK0711	MINK CREEK RESERVOIR	42 14.0	MC	170.0	0	0	1417.6	
IDU00369	FRANKLIN	111 43.9	IS	0	2205	9725	145.76	
5 DRC I	MINK CREEK	28		399.6	2205	9725		

FM 2 ID NO	ACTY DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ID6SPK0721				ONEYDA NARROWS OR MINK	FRANKLIN	BEAR RIVER	42 12.0	111 46.9	IS	37500	37464	37464	0	10283	
5 DRC D							4139	885.0	IS	114.8	37464	37464	68396	150.35	
IDCSPK0729				STRONGARM RESERVOIR NO 1 TR			42 14.0		IS	36.0	0	0	0	535.96	
ID00228				FRANKLIN RATTLE CREEK			111 51.6		DP	2000	6093	6093	15802	33.916	
2 DRC				STRONGARM RES COMP			4434	-1068.7		23.9	6093	6093	15802		20
IDCSPK0726				TWIN LAKES RESERVOIR-SOUTHME			42 11.2		IR	34.0	0	0	0	753.86	
ID00077				FRANKLIN MINK CREEK WA			111 58.4		DP	14000	11559	11559	22203	33.952	
2 DRC				TWIN LAKES CANAL COMPANY			4451	-1072.8		32.9	11559	11559	22203		11
IDCSPK0725				WINDER RESERVOIR			42 11.0		I	61.0	0	0	0	895.19	
ID00076				FRANKLIN MINK CREEK			111 53.2		DP	1930	20981	20981	40358	22.180	
2 DRC				TWIN LAKER CANAL COMPANY			4443	-1070.8		59.9	20981	20981	40358		02
ID5NPW0176				ANDERSON			44 3.9		H	10.0	0	0	0	2278.8	
IDU0323				FREMONT		FALLS RIVER	111 20.0		IS	90	9000	9000	57194	39.843	
2 DRC I							348	745.0		259.7	9000	9000	57194		
IDGNPW0181				ASHTON			44 4.7		H	70.0	5400	5400	32369	412.67	
ID00178				FREMONT		HENRYS FORK S	111 29.7		DP	7457	8450	8450	2419	170.55	
5 DRC D				UT POWER AND LIGHT CO			1030	-1469.6		50.9	14250	14250	34788		
ID4NPW0175				ASHTON REPLACEMENT			44 5.9		H	105.0	0	0	0	3373.2	
IDU0186				FREMONT		HENRYS FORK S	111 30.0		IS	48700	8635	8635	47345	71.247	
5 DRC E							1040	-1473.0		79.0	8635	8635	47345		
ID5NPW0326				HOONE CREEK			44 5.9		H	10.0	0	0	0	575.5	
IDU0330				FREMONT		HOONE CREEK	111 5.9		IS	90	1332	1332	5925	97.48	
5 DRC I							40	85.0		559.4	1332	1332	5925		
IDCNPW0182				ISLAND PARK			44 25.2		ICR	91.0	0	0	0	595.21	
ID00272				FREMONT		HENRYS FORK S	111 23.7		DP	150000	8187	8187	15886	37.467	
2 DRC I				DOI USBR			481	550.0		73.9	8187	8187	15886		

FM 2 ID NO	PROJECT NAME	PRDJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC.ECONOMIC
FM 1 ID NO	PRIMARY CO.-NAME OF STREAM	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	DR.AREA	AVE. Q	PHR. HD.	TOT. CAP.	TOT.ENERG	(1000 \$)	ERC COMPOSITE
CODE CODE	(D M.M)	(AC FT)	(KWH)	(KWH)	(S/MWH)	(SEQUENCE RANK)	
FILE	(D M.M)	(PT)	(KWH)	(KWH)		(SEQUENCE RANK)	
STATUS	(90.MI)	(CF9)	(KWH)	(KWH)		(SEQUENCE RANK)	
IDSNPW0171	LOOKOUT BUTTE	H	10.0	0	0	218.3	
IDU0044	FREMONT	IS	90	16398	110342	26.448	
2 DRC I	HENRYS FORK	IS	299.7	16398	110342		
IDSNPW0172	MESA FALLS	H	10.0	0	0	2439.8	
IDU0045	FREMONT	IS	90	23088	146820	16.617	
2 DRC I	HENRYS FORK	IS	319.6	23088	146820		
IDSNPW0179	PARTRIDGE CREEK	H	10.0	0	0	752.11	
IDU0326	FREMONT	IS	90	1771	5133	146.50	
5 DRC I	WARM RIVER	IS	269.7	1771	5133		
IDGNPW0168	PONDS LODGE	H	33.0	200	10	0	
IDU0036	FREMONT	DP	50	0	0	0	
5 DFC I	ISLAND PARK RESORTS	DP	20.0	200	10	0	
IDSNPW0177	ROBINSON	H	10.0	0	0	538.52	
IDU0324	FREMONT	IS	90	1166	4075	132.14	
5 DRC I	ROBINSON CREEK	IS	319.6	1166	4075		
IDSNPW0169	SHEEP FALLS	H	10.0	0	0	1100.5	
IDU0039	FREMONT	IS	90	6267	41747	26.363	
2 DRC I	FALLS RIVER	IS	399.6	6267	41747		
IDAMPW0173	SQUITREL	HC	160.0	0	0	4817.3	
IDU0049	FREMONT	IS	39000	37631	72600	66.353	
5 DRC I	FALLS RIVER	IS	136.8	37631	72600		
IDHNPW0607	ST ANTHONY	I H	3.0	625	0	0	
IDU0040	FREMONT	DP	10	0	0	0	
5 DRC I	UTAH POWER	DP	17.0	625	0	0	
IDONPW2612	TETON 2	HIC	305.0	0	0	6871.7	
IDU0142	FREMONT	IS	315000	58824	93200	73.730	
5 DRC I	TETON RIVER	IS	293.7	58824	93200		







FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	DR AREA	AVE. G	MPHR.	HD.	(FT)	(AC FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	PURP.	DAM HT	HY. STOR.	INC. CAP.	INC. CAP.	INC. ENERGY	EXIST. ENERGY	ANUL. COST	ERC ECONOMIC	ERC COMPOSITE	ERC COMPOSITE	ERC COMPOSITE	ERC COMPOSITE	ERC COMPOSITE	ERC COMPOSITE	ERC COMPOSITE	ERC COMPOSITE	ERC COMPOSITE
FILE	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS
ID5NPH0235	BAILIE MOUNTAIN	IDAH0	NORTH FORK MO	46 12.0	114 52.0	46	1.9	10.0	90	13553	40378	40378	40378	40378	40378	40378	40378	1464.9	36.280	
6 DRC I				58	410.0	1548.4				13553	40378	40378	40378	40378	40378	40378	40378	1464.9	36.280	
ID5NPH0238	BEAR CREEK	IDAH0	BEAR CREEK	46 1.9	114 46.0	46	1.9	10.0	90	5494	25727	25727	25727	25727	25727	25727	25727	1106.4	43.7	
6 DRC I				140	280.0	999.0				5494	25727	25727	25727	25727	25727	25727	25727	1106.4	43.7	
ID6NPH0201	BLACK CANYON	IDAH0	SALMON RIVER	45 30.0	115 0.0	45	30.0	372.0	315000	589850	1004753	1004753	1004753	1004753	1004753	1004753	1004753	14679	14.610	
6 DRC I				9790	7000.0	332.6				589850	1004753	1004753	1004753	1004753	1004753	1004753	1004753	14679	14.610	
ID6NPH0218	BRIGHT ANGEL	IDAH0	LOCHSA RIVER	46 16.9	115 23.5	46	16.9	250.0	98000	254935	298214	298214	298214	298214	298214	298214	298214	9100.6	30.517	
6 DRC I				967	2310.0	224.7				254935	298214	298214	298214	298214	298214	298214	298214	9100.6	30.517	
ID5NPH0240	CAPTAIN JOHN	IDAH0	LITTLE SALMON	45 23.4	116 19.3	45	23.4	10.0	90	7155	39544	39544	39544	39544	39544	39544	39544	1789.5	45.254	
2 DRC I				554	800.0	294.7				7155	39544	39544	39544	39544	39544	39544	39544	1789.5	45.254	
ID6NPH0204	CAREY CREEK	IDAH0	SALMON RIVER	44 27.2	115 57.5	44	27.2	425.0	150000	170174	2017320	2017320	2017320	2017320	2017320	2017320	2017320	36941	18.312	
6 DRC E				12170	9400.0	385.2				170174	2017320	2017320	2017320	2017320	2017320	2017320	2017320	36941	18.312	
ID6NPH0198	CREVICE	IDAH0	SALMON RIVER	45 24.2	116 7.1	45	24.2	780.0	398000	3445917	3615795	3615795	3615795	3615795	3615795	3615795	3615795	62499	17.265	
6 SCP D				12460	9400.0	724.2				3445917	3615795	3615795	3615795	3615795	3615795	3615795	3615795	62499	17.265	
ID6NPH0246	DILLINGER	IDAH0	SALMON RIVER	45 31.9	115 6.3	45	31.9	455.0	700000	1609265	1820650	1820650	1820650	1820650	1820650	1820650	1820650	34493	18.945	
6 DRC E				10100	7700.0	432.5				1609265	1820650	1820650	1820650	1820650	1820650	1820650	1820650	34493	18.945	
ID5NPH0236	DOUBLE CREEK	IDAH0	EAST FORK MO	46 12.0	114 52.0	46	12.0	10.0	90	3712	18714	18714	18714	18714	18714	18714	18714	899.71	48.75	
6 DRC I				103	210.0	849.1				3712	18714	18714	18714	18714	18714	18714	18714	899.71	48.75	

FM 2 ID NO	FM 1 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	DR. AREA	D M.M	D M.M	90 MI	PROJ. PURP.	STATUS	AVE. Q	PWR. HD.	MX. STUR.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	ENERGY COST	EXIST. ENRG MANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
ID5NPW0219	ID0209	I	2	DRC I		LOLO CREEK	IDAHO		46 21.9	116 14.2	144	10.0	90	1898.1	H	IS	290.0	1898.1	9563	0	9563	50756	50756	0	0	0	0	1981.6	39.42							
ID7NPW0224	IDU0214	I	5	DRC I		SOUTH FORK CL	ELK CITY IDAHO		45 47.9	115 41.0	341	150.0	3100	579.4	H	IS	340.0		3917	0	3917	19554	19554	0	0	0	0	2257.5	115.24							
ID5NPW0226	IDU0216	I	6	DRC I		LOCHSA RIVER	FIVE ISLANDS IDAHO		46 20.9	115 18.0	735	10.0	90	599.4	H	IS	1770.0		29298	0	29298	146466	146466	0	0	0	0	4205.4	28.712							
ID6NPW0197	IDU0092	I	6	DRC I		SALMON RIVER	FREEDOM IDAHO		45 36.7	116 16.6	1320	300.0	28500	270.6	H	IS	10700.0		1349171	0	1349171	1874583	1874583	0	0	0	0	32719	17.454							
ID5NPW0228	IDU0218	I	2	DRC I		LAKE CREEK	FREEZEOUT MOUNTAIN IDAHO		46 27.2	115 0.3	43	10.0	90	1098.9	H	IS	120.0		2786	0	2786	15060	15060	0	0	0	0	656.78	43.610							
ID6NPW0203	IDU0129	I	6	DRC D		SALMON RIVER	GROWLER RAPIDS IDAHO		45 29.2	115 20.0	12400	290.0	279100	261.0	H	IS	9400.0		1236858	0	1236858	1422384	1422384	0	0	0	0	29728	20.900							
ID4NPW0245	IDU0249	I	6	DRC E		SALMON RIVER	HAY FLAT IDAHO		45 32.3	115 14.2	10260	110.0	63000	99.8	H	IS	7800.0		188375	0	188375	493501	493501	0	0	0	0	14687	29.761							
ID5NPW0243	IDU0234	I	5	DRC I		LITTLE SALMON	HAZARD IDAHO		45 10.4	116 18.0	208	10.0	90	499.5	H	IS	310.0		2336	0	2336	11165	11165	0	0	0	0	1007.2	90.213							
ID5NPW0232	IDU0222	I	5	DRC I		WHITE SAND CR	HIDDEN LAKE IDAHO		46 28.0	114 33.0	132	10.0	20	8.9	H	IS	330.0		19	0	19	145	145	0	0	0	1253.8	8626.6								

FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC				
CODE	CODE	CODE	CODE	CODE	NAME OF STREAM	DR. AREA	DR. AREA	(D.M.M)	(D.M.M)	(SQ.MI)	(AC FT)	(KW)	(KW)	(KW)	(KW)	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
					JERRY JOHNSON	LOCHSA RIVER	46 30.0	115 0.0	600	H	10.0	0	0	0	1756.6	54.528			
					JERRY JOHNSON	LOCHSA RIVER	46 30.0	115 0.0	600	IS	199.8	6240	32215	32215	54.528				
					JERRY JOHNSON	LOCHSA RIVER	46 30.0	115 0.0	600	IS	1450.0	6240	32215	32215	54.528				
					JOHNS CREEK	SOUTH FORK CL	45 57.2	115 57.2		H	10.0	0	0	0	2263.4	28.993			
					JOHNS CREEK	SOUTH FORK CL	45 57.2	115 57.2		IS	90	14016	78069	78069	28.993				
					JOHNS CREEK	SOUTH FORK CL	45 57.2	115 57.2		IS	784.2	14016	78069	78069	28.993				
					LOCKWOOD	LITTLE SALMON	45 16.3	116 20.2	300	H	10.0	0	0	0	1774.4	41.177			
					LOCKWOOD	LITTLE SALMON	45 16.3	116 20.2	300	IS	90	9008	43093	43093	41.177				
					LOCKWOOD	LITTLE SALMON	45 16.3	116 20.2	300	IS	599.4	9008	43093	43093	41.177				
					LOWER MEADOW CREEK	MEADOW CREEK	46 1.9	115 16.9		H	10.0	0	0	0	1578.8	40.326			
					LOWER MEADOW CREEK	MEADOW CREEK	46 1.9	115 16.9		IS	90	7745	39152	39152	40.326				
					LOWER MEADOW CREEK	MEADOW CREEK	46 1.9	115 16.9		IS	1043.9	7745	39152	39152	40.326				
					MAGRUDER	SELWAY RIVER	45 44.2	114 43.0	145	H	10.0	0	0	0	1486.1	59.420			
					MAGRUDER	SELWAY RIVER	45 44.2	114 43.0	145	IS	90	5315	25010	25010	59.420				
					MAGRUDER	SELWAY RIVER	45 44.2	114 43.0	145	IS	949.0	5315	25010	25010	59.420				
					MARBLE POINT	JOHNS CREEK	44 49.3	115 52.9		H	10.0	0	0	0	591.59	62.361			
					MARBLE POINT	JOHNS CREEK	44 49.3	115 52.9		IS	90	2186	9486	9486	62.361				
					MARBLE POINT	JOHNS CREEK	44 49.3	115 52.9		IS	999.0	2186	9486	9486	62.361				
					MEADOW CREEK	SOUTH FORK CL	45 49.3	115 55.5	56	H	10.0	0	0	0	576.75	53.372			
					MEADOW CREEK	SOUTH FORK CL	45 49.3	115 55.5	56	IS	90	2323	10806	10806	53.372				
					MEADOW CREEK	SOUTH FORK CL	45 49.3	115 55.5	56	IS	899.1	2323	10806	10806	53.372				
					HOUSE CREEK	SELWAY RIVER	46 7.5	114 56.4		H	588.0	0	0	0	16433	19.313			
					HOUSE CREEK	SELWAY RIVER	46 7.5	114 56.4		IS	83000	724324	850888	850888	19.313				
					HOUSE CREEK	SELWAY RIVER	46 7.5	114 56.4		IS	562.4	724324	850888	850888	19.313				
					NEWSOME CREEK	SOUTH FORK CL	45 48.1	115 40.2		H	10.0	0	0	0	3569.3	21.863			
					NEWSOME CREEK	SOUTH FORK CL	45 48.1	115 40.2		IS	90	75795	163255	163255	21.863				
					NEWSOME CREEK	SOUTH FORK CL	45 48.1	115 40.2		IS	1038.9	75795	163255	163255	21.863				

FM 2 ID NO	PROJECT NAME	PRJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	STATUS	MX. STUR.	INC. CAP.	INC. ENRG	ERC COMPOSITE
ACTV DEP	DR. AREA	AVE. Q	PHR. MD.	TOT. CAP.	TOT. ENRG	(SEQUENCE RANK)
CODE	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
FILE	(D M.M)	(FT)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
STATUS	(SQ. MI)	(FT)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
ID5NPW0247	45 26.0	10.0	10.0	0	0	413.30
IDU0294	116 30.0	90	1612	1612	7896	52.339
6 DRC I	20	30.0	2287.7	1612	7896	
ID6NPW0216	46 9.0	HC	596.0	0	0	43653
IDU0181	115 55.2	ID	343000	1492645	2008745	21.431
6 DRC I	3310		583.8	1492645	2008745	
ID6NPW0237	46 1.9	H	300.0	0	0	11404
IDU0228	114 50.0	IS	225000	249447	288733	39.498
6 DRC I	915		284.7	249447	288733	
ID6NPW0207	46 5.9	H	315.0	0	0	12491
IDU0165	115 5.9	IS	180000	451926	598569	20.868
6 DRC I	1330		289.7	451926	598569	
ID6NPW0196	45 17.9	H	362.0	0	0	22865
IDU0087	114 36.7	IS	43500	1113442	1637570	13.962
6 DRC I	9170		329.6	1113442	1637570	
ID6NPW0200	45 16.9	H	340.0	0	0	8484.2
IDU0106	115 28.0	IS	64000	289958	380893	22.274
2 DRC I	1260		332.6	289958	380893	
ID5NPW0231	46 30.5	H	10.0	0	0	2103.9
IDU0221	114 39.0	IS	90	13876	74799	28.127
6 DRC I	370		559.4	13876	74799	
ID4NPW0272	45 33.5	H	139.0	0	0	13082
IDU0139	115 11.0	IS	44500	290027	482560	27.109
6 DRC E	3400		114.8	290027	482560	
ID7NPW0225	45 47.9	H	210.0	0	0	2807.5
IDU0215	115 28.0	IS	110000	805	3943	711.89
5 DRC I	135		299.7	805	3943	

FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG MANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM OWNER	DR. AREA	DR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG. ENERGY COST	ERC NONECONOMIC
ACTV DEP		(D M.M)	(D M.M)	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENERGY	ERC COMPOSITE
CODE		(SQ.MI)	(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
FILE					(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
STATUS					(FT)	(KW)	(MWH)	(SEQUENCE RANK)
ID5NPW0244	RUGGED CREEK	45 24.0	115 37.9	H	10.0	0	0	(1000 \$)
IDU0235	WARREN CREEK	45 24.0	115 37.9	IS	90	6421	27245	(\$/MWH)
2 DRC I		65	65	110.0	2392.6	6421	27245	33.704
ID5NPW0212	RUNNING CREEK	45 54.0	114 48.0	H	10.0	0	0	2650.9
IDU0173	SELWAY RIVER	45 54.0	114 48.0	IS	90	7669	39194	67.635
5 DRC I		650	650	1220.0	301.6	7669	39194	
ID5NPW0241	SHEEP CREEK	45 20.3	116 20.9	H	10.0	0	0	1807.7
IDU0232	LITTLE SALMON	45 20.3	116 20.9	IS	90	8558	37092	48.736
2 DRC I		333	333	604.0	459.5	8558	37092	
ID5NPW0209	SILVER CREEK	45 48.1	115 47.0	H	10.0	0	0	1413.4
IDU0170	SOUTH FORK CL	45 48.1	115 47.0	IS	90	12535	52722	26.809
2 DRC I		580	580	-241.7	429.5	12535	52722	
ID6NPW0206	SOUTH FORK	46 7.8	115 58.4	H	200.0	0	0	4248.5
IDU0163	SOUTH FORK CL	46 7.8	115 58.4	IS	45000	59549	78231	54.307
6 DRC I		788	788	780.0	174.8	59549	78231	
ID5NPW0230	SQUAW CREEK	46 28.0	114 41.9	H	10.0	0	0	1459.6
IDU0220	LOCHSA RIVER	46 28.0	114 41.9	IS	90	9486	51606	28.243
6 DRC I		420	420	1020.0	339.6	9486	51606	
ID5NPW0223	TENMILE CREEK	45 49.3	115 45.3	H	10.0	0	0	1227.3
IDU0213	SOUTH FORK CL	45 49.3	115 45.3	IS	90	4240	22052	55.658
2 DRC I		496	496	490.0	419.5	4240	22052	
ID5NPW0222	TWENTYMILE CREEK	45 49.3	115 52.9	H	10.0	0	0	1567.6
IDU0212	SOUTH FORK CL	45 49.3	115 52.9	IS	90	6430	33042	48.47
2 DRC I		532	532	530.0	599.4	6430	33042	
ID5NPW0234	UPPER MEADOW CREEK	45 55.0	115 15.0	H	10.0	0	0	1049.4
IDU0225	MEADOW CREEK	45 55.0	115 15.0	IS	90	3408	17816	58.925
2 DRC I		90	90	180.0	899.1	3408	17816	



FM 2 ID NO	PROJECT NAME	PRIMRY CD.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	MX. STOR.	AVE. G	PHR. HO.	INC. CAP.	INC. CAP.	TOT. ENRGY	ENERGY	ERC NON-ECONOMIC
CODE	FILE	STATUS	(D.M.M)	(D.M.M)	(AC FT)	(KW)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
			(80.MI)	(80.MI)	(PT)	(KW)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
										(SEQUENCE RANK)
IDGNP0251	SHOSHONE FALLS	JEROME	SNAKE RIVER	42 35.7	114 24.0	H	30.0	12380	99660	0
5 DFC I	ID POWER CO			17300	2493.0	OP	750	12380	99660	0
IDGNP0252	TWIN FALLS	JEROME	SNAKE RIVER	42 35.3	114 21.3	H	35.0	8440	56200	0
5 DFC I	ID POWER CO			19000	-3576.3	OP	1000	8440	56200	0
IDANP0250	WILSON LAKE	JEROME	SNAKE RIVER	42 37.6	114 10.2	I	24.0	0	0	4.3790
5 DRC I	NORTH SIDE CANAL CO			17180	1260.0	OP	2000	0	0	8725.1
IDINP0013	POST FALLS	KOOTENAI	SPOKANE RIVER	47 42.5	116 57.1	IH	59.0	13300	94800	256.23
2 DFC I	WASHINGTON WATER POWER CO.			3840	-6645.1	OP	56.0	3500	13640	18.607
ID6NP0025	SPRINGSTON	KOOTENAI	COEUR D ALENE	47 28.9	116 43.1	HC	166.0	0	0	15616
5 DFC E				1468	-3069.6	IS	125.0	43760	243300	64.187
ID7NP0255	GOLD HILL	LATAH	POTLATCH RIVER	46 40.0	116 32.3	H	220.0	0	0	3221.9
5 DRC I				199	200.0	IS	299.7	1093	4308	747.77
ID6NP0611	HARVARD	LATAH	PALOUSE RIVER	46 55.4	116 42.1	H	100.0	0	0	2939.2
5 DRC I				205	195.0	IS	94.9	4061	8103	362.72
ID6NP0254	KENDRICK	LATAH	POTLATCH RIVER	46 36.7	116 38.5	H	300.0	0	0	8783.6
5 DRC I				424	427.0	IS	274.7	72388	69121	127.7
ID6NP0612	LAIRO	LATAH	PALOUSE RIVER	46 57.0	116 37.8	H	175.0	0	0	1664.9
5 DRC I				126	120.0	IS	169.8	4298	8930	186.43



FM 2 ID NO	PROJECT NAME	STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME	OWNER	DR. AREA	DR. AREA	STATUS	MX. STOR.	MX. STOR.	MX. STOR.	ENERGY	ENERGY	ERC COMPOSITE
ACTV CODE	FILE	STATUS	(SQ. MI)	(SQ. MI)	(CFS)	(AC FT)	(KW)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
5 DRC I	5 DRC I	5 DRC I	(90. MI)	(90. MI)	(FT)	(AC FT)	(KW)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
ID5NPW0256	POTLATCH	POTLATCH	46 28.2	115 46.0	SCR	10.0	0	0	0	0	1266.1
IDU0340	LATAH	LATAH	115 46.0	115 46.0	IS	90	2938	14566	14566	86.920	86.920
5 DRC I	5 DRC I	5 DRC I	425	425	427.0	419.5	2938	14566	14566	86.920	86.920
ID6NPW0260	APAREJO	APAREJO	44 56.4	114 43.4	H	435.0	0	0	0	12599	12599
IDU0112	LEMHI	LEMHI	114 43.4	114 43.4	IS	333000	375187	358426	358426	35.151	35.151
6 DRC I	6 DRC I	6 DRC I	1953	1953	2050.0	408.6	375187	358426	358426	35.151	35.151
ID5NPW0271	CAMP CREEK	CAMP CREEK	44 58.2	113 57.1	H	69.0	0	0	0	2536.6	2536.6
IDU0137	LEMHI	LEMHI	113 57.1	113 57.1	IS	3690	22686	55949	55949	45.338	45.338
6 DRC E	6 DRC E	6 DRC E	3450	3450	1925.0	51.5	22686	55949	55949	45.338	45.338
ID6NPW0284	CRONKS CANYON	CRONKS CANYON	44 43.0	114 0.3	H	485.0	0	0	0	11726	11726
IDU0288	LEMHI	LEMHI	114 0.3	114 0.3	IS	4750000	200405	313692	313692	37.383	37.383
6 DRC I	6 DRC I	6 DRC I	3290	3290	1835.0	414.5	200405	313692	313692	37.383	37.383
ID5NPW0257	DEER CREEK	DEER CREEK	45 13.2	114 18.5	H	10.0	0	0	0	839.20	839.20
IDU0089	LEMHI	LEMHI	114 18.5	114 18.5	IS	90	2092	5090	5090	164.87	164.87
5 DRC I	5 DRC I	5 DRC I	402	402	367.0	459.5	2092	5090	5090	164.87	164.87
ID4NPW0269	DEER HORN	DEER HORN	44 37.5	115 14.3	H	170.0	0	0	0	5098.1	5098.1
IDU0133	LEMHI	LEMHI	115 14.3	115 14.3	IS	21650	62325	96729	96729	52.705	52.705
6 DRC I	6 DRC I	6 DRC I	470	470	700.0	158.9	62325	96729	96729	52.705	52.705
ID5NPW0285	HAYNES STELLITE	HAYNES STELLITE	45 10.0	114 15.0	H	10.0	0	0	0	502.62	502.62
IDU0331	LEMHI	LEMHI	114 15.0	114 15.0	DP	90	530	0	0	0	0
5 DRC I	5 DRC I	5 DRC I	325	325	320.0	233.7	530	0	0	502.62	502.62
ID6NPW0265	INDIANOLA	INDIANOLA	45 22.6	114 5.6	H	230.0	0	0	0	7835.7	7835.7
IDU0121	LEMHI	LEMHI	114 5.6	114 5.6	IS	304000	146301	239326	239326	32.740	32.740
6 DRC I	6 DRC I	6 DRC I	5510	5510	2719.4	193.1	146301	239326	239326	32.740	32.740
ID5NPW0278	JUREANO	JUREANO	45 10.2	114 19.2	H	10.0	0	0	0	845.42	845.42
IDU0282	LEMHI	LEMHI	114 19.2	114 19.2	IS	90	1611	3710	3710	227.86	227.86
5 DRC I	5 DRC I	5 DRC I	340	340	326.0	315.6	1611	3710	3710	227.86	227.86





FM 2 ID NO	ACTV DEP	FILE STATUS	IDENPR#	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	INC.CAP.	TOT.CAP.	EXIST.ENERGY	INC.ENERGY	TOT.ENERGY	ANNUAL ENERGY COST	ERC ECONOMIC	ERC NONECONOMIC
							(D M.M)	(D M.M)	(D M.M)	(FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(\$/MWH)	(1000 \$)	(SEQUENCE RANK)
IDENPR#0601	2	DFC S	WOOD RIV CANAL CO.	WOOD RIVER	LINCOLN	B W BP 49	43 20.9	114 20.9	DP	151.0	128.0	1700	1700	0	6200	6200	24.697	153.12	24.697
IDENPR#0600	2	DFC S	WOOD RIV CANAL CO.	WOOD RIVER	LINCOLN	B.W.BP 48	43 10.9	114 19.0	DP	157.0	93.0	1570	1570	0	5800	5800	25.794	149.60	25.794
IDENPR#0604	2	DFC S	MILNER-GOODING BIG DROP	SNAKE RIV	LINCOLN	LINCOLN	42 49.9	114 16.0	DP	813.0	60.0	4690	4690	0	17700	17700	14.21	248.18	14.21
ID7NPR#0289	5	DRC I	CANYON CREEK	CANYON CREEK	MADISON		43 53.0	111 26.0	H	200.0	1600	1721	1721	0	13671	13671	1636.8	119.72	1636.8
IDINPR#0290	2	DFC I	MINTDOKA	SNAKE RIVER	DOI USBR		42 40.0	113 30.0	IHCR	58.0	22000	21600	35000	90000	60000	150000	1278.9	21.315	1278.9
ID6NPR#0293	6	DRC 0	ALTERNATE LOWER CANYON	SALMON RIVER	NEZ PERCE		45 51.3	116 47.2	H	465.0	100000	2317429	2317429	0	2431031	2431031	41750	17.173	41750
ID4NPR#0299	2	DRC I	ARRON	CLEARWATER R	NEZ PERCE		46 28.4	116 46.0	H	110.0	98000	185179	185179	0	726428	726428	15981	22.0	15981
ID4NPR#0295	6	DRC I	ASOTIN	SNAKE RIVER	NEZ PERCE		46 20.3	117 1.5	HNR	200.0	450000	695116	695116	0	3484975	3484975	32310	9.2336	32310
ID6NPR#0298	6	DRC E	CHINA GARDENS	SNAKE RIVER	NEZ PERCE		46 2.3	116 55.5	H	160.0	141000	1026409	1026409	0	2512667	2512667	36685	14.600	36685





FM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	CODE	DR AREA	(D M.M)	(D M.M)	(SQ.MI)	(CFS)	(FT)	(AC FT)	(KW)	(MWH)	TOT. ENRG	INC. ENERGY	ERC COMPOSITE	ERC NON-ECONOMIC
6	DFC E	DR AREA	(D M.M)	(D M.M)	(SQ.MI)	(CFS)	(FT)	(AC FT)	(KW)	(MWH)	TOT. ENRG	INC. ENERGY	ERC COMPOSITE	ERC NON-ECONOMIC
ID6NPS2612	IDU0378	5	DRC I	HECLA MINE SHOSHONE	CANYON CREEK	47 31.2	115 48.9	H	35.0	0	0	0	42.921	42.921
ID6NPS0027	IDU3007	6	DFC E	LELAND GLEN SHOSHONE	COEUR D ALENE	47 39.2	116 1.9	HC	308.0	0	0	0	6533.5	6533.5
ID4NPS0022	IDU0385	5	DRC D	NIAGARA CR SHOSHONE	ST JOE RIVER	47 10.4	115 27.3	H	300.0	0	0	0	3305.2	3305.2
ID4NPS0020	IDU0383	6	DFC D	PROSPECTOR CREEK SHOSHONE	ST JOE RIVER	47 13.7	115 36.0	H	300.0	0	0	0	4521.1	4521.1
ID4NPS0021	IDU0384	6	DFC E	QUARTZ BLUFF SHOSHONE	ST JOE RIVER	47 12.0	115 30.9	H	400.0	0	0	0	6162.4	6162.4
ID4NPS0023	IDU0386	6	DFC I	SIMMONS CREEK SHOSHONE	ST JOE RIVER	47 8.0	115 24.0	H	340.0	0	0	0	3668.1	3668.1
ID4NPS0019	IDU0382	6	DFC E	STSTERS CR. SHOSHONE	ST JOE RIVER	47 13.5	115 42.1	H	220.0	0	0	0	3024.9	3024.9
ID4NPS0018	IDU0381	6	DFC E	STWASH CREEK SHOSHONE	ST JOE RIVER	47 13.8	115 48.6	H	220.0	0	0	0	3273.5	3273.5
ID6NPS0015	IDU0376	6	DFC S	TEDDY CREEK SHOSHONE	COEUR D ALENE	47 46.9	116 3.9	HC	253.0	0	0	0	4507.7	4507.7

FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	STREAM	DR.AREA	LATITUDE	PROJ.PURP.	STAJ.	STOR.	PHR.	HD.	AVE.	Q	(CFS)	(AC FT)	(KW)	(KW)	TOT.ENERGY	EXIST.ENERGY	ANNUAL ENERGY COST	ERC ECONOMIC	ERC NONCONDUCTIVE
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
ID5NPN032611					WALLACE	PLACER CREEK	47 27.0	115 56.0	CH		40.0									0	0	414.7		
ID00377					SHOSHONE		11 56.0	10	YS		0									660	660	626.70		
5 DRC I					CITIZENS UTILITIES CO.						199.8									660				
ID6NPN0322					FELT	TETON RIVER	43 56.0		H		100.0									0	0	2066.0		
IDU0041					TETON		11 16.2	350	IS		2190									10584	10584	195.19		
5 DRC I											84.5									10584				
ID5NPN0323					JUDKINS	NORTH FORK TE	43 56.0		H		10.0									0	0	766.10		
IDU0320					TETON		11 18.9	156	IS		90									2769	2769	57.303		
2 DRC I											474.5									13369	13369			
ID5NPN0324					TETONIA	TETON RIVER	43 51.9		H		10.0									0	0	925.38		
IDU0321					TETON		11 15.0	475	IS		90									1676	1676	118.85		
5 DRC I											139.8									7785	7785			
ID7NPN0325					VICTOR	TETON RIVER	43 36.5		H		120.0									0	0	2357.6		
IDU0322					TETON		11 5.1	61	IS		12720									984	984	512.46		
5 DRC I											399.6									984	984			
ID5NPN0327					BALANCED ROCK	SALMON FALLS	42 33.9		H		10.0									0	0	779.97		
IDU0037					TWIN FALLS		114 54.9	2100	IS		90									645	2791	279.40		
5 DRC I											419.5									645	2791			
ID6NPN0329					BICKEL	SNAKE RIVER	42 31.1		H		340.0									0	0	12539		
IDU0072					TWIN FALLS		114 10.3	18000	IS		200000									463566	606865	20.663		
2 DRC I											312.2									463566	606865			
IDGNPN0336					LOWER SALMON FALLS	SNAKE RIVER	42 50.5		H		110.0									60000	223775	0		
ID00052					TWIN FALLS		115 44.3	3280	OP		16500									0	0	0		
5 DRC I					ID POWER CO						49.9									60000	223775			
ID5NPN0333					LUCERNE	SALMON FALLS	42 39.6		H		10.0									0	0	784.14		
IDU0334					TWIN FALLS		114 52.9	2115	IS		90									665	2375	330.7		
5 DRC I											429.5									665	2375			



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	PROJ. PUMP	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
ACTV DEP	OWNER	DR AREA	MX STOR	STATUS	AVE. Q	PRW. HD.	TOT. CAP.	INC. ENRG	ENERGY COST	ERC COMPOSITE	
CODE	(D M.M)	(D M.M)	(CFS)	(AC FT)	(KW)	(MHH)	(MHH)	(MHH)	(1000 \$)	(SEQUENCE RANK)	
FILE	(SQ MI)	(SQ MI)	(CFS)	(FT)	(KW)	(MHH)	(MHH)	(MHH)	(9/MWH)	(SEQUENCE RANK)	
STATUS											
IDENPW0602	MILNER BYPASS A		42 31.9	I	0	0	0	338500	1286.0		
NONE	TWIN FALLS SNAKE RIV		114 34.0	OP	1700.0	440.0	52200	338500	3.7992		
2 DFC S	TWIN FALLS CANAL CO										
IDENPW0603	MILNER BYPASS B		42 31.0	I	0	0	0	190100	1168.4		
NONE	TWIN FALLS SNAKE RIV		114 1.9	OP	1746.0	170.0	30250	190100	6.1463		
2 DFC S	TWIN FALLS CANAL CO										
IDENPW0337	MURTAUGH		42 28.0	I	39.0	39.0	0	56361	1053.2		
ID00165	TWIN FALLS SNAKE RIVER		114 9.9	OP	78.0	35	19432	56361	18.722		
2 DRA I	TWIN FALLS CANAL CO		17180				19432				
IDSNPW0330	PERRINE		42 35.9	H	10.0	10.0	0	3971	534.51		
IDU0275	TWIN FALLS ROCK CREEK		114 24.0	IS	40.0	90	811	3971	134.57		
5 DRC I			93				811				
IDGNPW0334	SALMON FALLS		42 12.6	IS	226.0	226.0	0	8231	334.26		
ID00044	TWIN FALLS SALMON FALLS		114 43.9	OP	155.8	200.7	4702	8231	40.607		
2 DRC I	SALMON FALLS CANAL CO		1610				4702				
IDENPW0332	TWIN FALLS LOW LINE CANAL		42 27.6	IH	10.0	10.0	0	100665	1678.3		
IDU0333	TWIN FALLS SNAKE RIVER		114 9.3	OP	79.0	94.9	26391	100665	16.672		
2 DRC S			17180				26391				
IDGNPW0328	UPPER SALMON FALLS B		42 45.9	MIS	40.0	40.0	16500	141600	0		
IDU0048	TWIN FALLS SNAKE RIVER		114 54.4	OP	7570.2	24.9	16500	141600	0		
5 DFC I	ID POWER CO		32200				16500				
IDGNPW0338	UPPER SALMON FALLS A		42 45.9	MIS	0	0	220000	167000	0		
ID00224	TWIN FALLS SNAKE RIVER		114 53.6	OP	3000	3000	0	167000	0		
5 DFC I	ID POWER CO		32200				220000				
IDSNPW0331	WEST FORK		42 24.0	H	10.0	10.0	0	1392	371.54		
IDU0276	TWIN FALLS ROCK CREEK		114 18.0	IS	37.0	415.5	293	1392	266.76		
5 DRC I			86				293				



PM 2 ID NO	ACTV DEP	FILE STATUS	PROJECT NAME	PRIMARY CO.	OWNER	NAME OF STREAM	LATITUDE	LONGITUDE	DR. AREA	(D M. M)	(D M. M)	(SQ. MI)	STATUS	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	AVE. Q	PHR. HD.	MX. STOR.	ST. ENERGY	(MWH)	(MWH)	(MWH)	(MWH)	TOT. ENERGY	(1000 \$)	ANNUAL COST	ERC ECONOMIC	ERC NONECONOMIC
ID5NPW0341	5	DRC I	CLOVERLEAF VALLEY	DEADWOOD RIVER	IS	115 39.9	44 7.3	194	340.0	864.1	10.0	0	IS	0	0	12608	31839	31839	0	0	0	0	0	0	0	0	0	2219.5	69.710		
ID6NPW0348	2	DRC I	CUMTUX VALLEY	SOUTH FORK SA	IS	115 33.9	45 11.0	1165	1600.0	347.4	125000	0	IS	0	0	218935	301933	301933	0	0	0	0	0	0	0	0	0	7597.2	25.162		
ID6NPW0350	5	DRC E	FALL CREEK VALLEY	MIDDLE FORK S	IS	115 14.5	44 30.3	360	560.0	189.9	12000	0	IS	0	0	49617	69797	69797	0	0	0	0	0	0	0	0	0	495.22	39.930		
ID5NPW0359	5	DRC I	HALFWAY VALLEY	JOHNSON CREEK	IS	115 31.0	44 48.9	88	143.0	399.6	10.0	0	IS	0	0	833	3801	3801	0	0	0	0	0	0	0	0	0	458.1	120.49		
ID6NPW0371	5	DRC I	HORSETHIEF BASIN VALLEY	HORSETHIEF AN	IS	115 55.5	44 30.3	48	70.1	44.9	60.0	0	IS	0	0	843	1417	1417	0	0	0	0	0	0	0	0	0	76.809	54.195		
ID6NPW0363	5	DRC I	KNOX VALLEY	SOUTH FORK SA	IS	115 41.3	44 42.0	140	224.0	267.7	280.0	0	IS	0	0	19864	28539	28539	0	0	0	0	0	0	0	0	0	7906.9	277.4		
ID6NPW0358	5	DRC I	LANDMARK VALLEY	JOHNSON CREEK	IS	115 31.5	44 38.0	60	96.0	117.8	130.0	0	IS	0	0	1451	3568	3568	0	0	0	0	0	0	0	0	0	1330.1	372.69		
ID5NPW0118	6	DRC I	LEWIS VALLEY	MIDDLE FORK S	IS	114 43.3	45 6.1	2735	2900.0	432.5	10.0	0	IS	0	0	45758	233732	233732	0	0	0	0	0	0	0	0	0	3203.6	13.706		

FM 2 ID NO	PROJECT NAME	PRIMARY CD.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	DR AREA	DR AREA	DR AREA	AVG. Q	AVG. Q	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
CODE	FILE	FILE	(D.M.M)	(D.M.M)	(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
STATUS	(SQ.MI)	(SQ.MI)	(FT)	(FT)	(FT)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
ID5NP0356	PARKS-SCOTT VALLEY	5	DRC I	45 6.3	115 37.0	H	10.0	0	0	1501.1	
ID7NP0366	PEACE VALLEY	5	DRC I	44 18.3	115 51.3	H	205.0	0	0	1903.2	
ID5NP0362	POVERTY FLAT VALLEY	5	DRC I	44 51.9	115 41.9	H	10.0	0	0	1032.1	
ID7NP0361	REED VALLEY	5	DRC I	44 54.0	115 42.2	H	180.0	0	0	2772.3	
ID7NP0049	ROCKY CANYON VALLEY	5	DRC I	44 15.9	115 52.3	H	155.0	0	0	1351.9	
ID7NP0340	SCOTT CREEK VALLEY	5	DRC I	44 13.0	115 37.9	H	370.0	0	0	6629.6	
ID6NP0355	SECF98 VALLEY	5	DRC I	45 12.0	115 48.9	H	270.0	0	0	3394.3	
ID5NP0349	SHEEPATER NO 1 VALLEY	5	DRC I	44 40.2	115 9.0	H	10.0	0	0	2460.0	
ID6NP0268	STEELHEAD VALLEY	6	DRC E	44 42.0	115 7.1	H	155.0	0	0	5108.4	



FM 2 ID NO	PROJECT NAME	PRIMARY CD.	NAME OF STREAM	DR AREA	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
ACTV DEP	OWNER	CD	AREA	DR AREA	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC	ERC NONECONOMIC
CODE	FILE	STATUS	(D M M)	(D M M)	(S M M)	(AC FT)	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)
ID	STATUS	STATUS	(D M M)	(D M M)	(S M M)	(AC FT)	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)
ID00135	WASHINGTON	CRANE CREEK	44 21.3	116 37.0	IS	63.0	0	0	0	0	0	0
5 DRC I	WASHINGTON	CRANE CREEK RES CO	44 21.3	116 37.0	DP	69.0	0	0	1	0	0	0
ID6NP0377	GALLIWAY	WEISER RIVER	44 15.0	116 46.0	HCISR	380.0	177940	177940	227251	10857	47.777	47.777
ID00014	WASHINGTON	WEISER RIVER	44 15.0	116 46.0	IS	130000	177940	177940	227251	10857	47.777	47.777
2 DRC I	WASHINGTON	WEISER RIVER	44 15.0	116 46.0	IS	130000	177940	177940	227251	10857	47.777	47.777
ID6NP0378	GOODRICH	WEISER	44 37.4	116 36.4	HI	168.0	0	0	0	5735.0	94.275	94.275
ID00079	WASHINGTON	WEISER	44 37.4	116 36.4	IS	25000	42653	42653	60832	5735.0	94.275	94.275
5 DRC I	WASHINGTON	WEISER	44 37.4	116 36.4	IS	25000	42653	42653	60832	5735.0	94.275	94.275
ID6NP0385	MANN CREEK	MANN CREEK	44 23.4	116 53.6	ICRO	148.0	0	0	0	2089.9	828.14	828.14
ID00285	WASHINGTON	MANN CREEK	44 23.4	116 53.6	DP	15400	1225	1225	2523	2089.9	828.14	828.14
5 DRC I	DOI USBR	MANN CREEK	44 23.4	116 53.6	DP	15400	1225	1225	2523	2089.9	828.14	828.14
ID6NP0383	PADDUCK VALLEY	LITTLE WILLOW	44 11.8	116 35.8	I	54.0	0	0	0	94.152	43.215	43.215
ID00250	WASHINGTON	LITTLE WILLOW	44 11.8	116 35.8	DP	33000	1168	1168	2178	94.152	43.215	43.215
2 DRC I	WASHINGTON	LITTLE WILLOW IRR DIST	44 11.8	116 35.8	DP	33000	1168	1168	2178	94.152	43.215	43.215
5 DRC I	DOI USBR	LITTLE WILLOW IRR DIST	44 11.8	116 35.8	DP	33000	1168	1168	2178	94.152	43.215	43.215



PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF ILLINOIS

POTENTIAL INCREMENTAL CAPACITY RANGES

	.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL
	EXIST*	UNDEV*	TOTAL**	EXIST*	UNDEV*	TOTAL**	EXIST*	UNDEV*	TOTAL**	EXIST* UNDEV* TOTAL**
0-19	4*	7*	11*	0*	1*	1*	0*	1*	1*	0* 0* 0*
	57.2*	0.0*	57.2*	0.0*	16.4*	16.4*	0.0*	119*	9.9*	0.0* 0.0* 193*
	345*	0.0*	345*	0.0*	84.6*	84.6*	0.0*	543*	61.7*	0.0* 0.0* 973*
20-49	2*	3*	5*	0*	1*	1*	0*	0*	0*	0* 0* 0*
	26.4*	0.0*	26.4*	0.0*	17.8*	17.8*	0.0*	0.0*	17.2*	0.0* 0.0* 44.2*
	42.0*	0.0*	42.0*	0.0*	73.2*	73.2*	0.0*	0.0*	77.8*	0.0* 0.0* 115*
50-99	0*	1*	1*	0*	0*	0*	0*	0*	0*	0* 0* 0*
	12.1*	0.0*	12.1*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0* 0.0* 12.1*
	20.9*	0.0*	20.9*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0* 0.0* 20.9*
>100	0*	0*	0*	0*	0*	0*	0*	0*	0*	0* 0* 0*
	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0* 0.0* 0.0*
	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0* 0.0* 0.0*
TOTAL	6*	11*	17*	0*	2*	2*	0*	1*	6*	0* 0* 14*
	27.1*	95.8*	122.9*	0.0*	34.3*	34.3*	0.0*	119*	27.1*	0.0* 0.0* 250*
	140*	408*	548*	0.0*	158*	158*	0.0*	543*	140*	0.0* 0.0* 1109*

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANNU. COST	ERC ECONOMIC
FM 1 ID NO	OWNER	DR. AREA	AVE. G	PHR. HD.	TOT. CAP.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC	
ACTV CODE	FILE	(D M.M)	(CFS)	(FT)	(KW)	(KW)	(MWH)	(\$/MWH)	ERC COMPOSITE	
STATUS	(SQ.MI)	(D M.M)	(CFS)	(FT)	(KW)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	
		(D M.M)	(CFS)	(FT)	(KW)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	
YL60RL0001	NORTH FORK	39 13.0	118.0	70.0	0	0	0	1926.5		
5	CLARK	87 55.5	147	132000	0	0	1	1313095		
YL60RL0005	LOUISVILLE LAKE	38 47.7		69.0	0	0	0	5321.4		
5	CLAY	88 33.2	528.7	230800	4205	7401	0	718.95		
YL60RL0002	LIT WABASH BRIDGE	39 28.6		2366.0	0	0	0	1102561		
5	CLAY	79 29.7	904.0	532000	51	447	0	2462246		
5	CLAY	1130		13.9	51	447	0			
ILALMS0006	CARLYLE DAM	38 35.9		67.0	0	0	0	1016.3	2017	
1	CLINTON	89 28.0	-2053.8	471000	12128	22953	0	44.278		
1	SID	2680		25.0	12128	22953	0		2017	
YL60RL0006	LYNOLN LAKE	39 22.4		112.0	0	0	0	3971.0		
5	CUMBERLAND	88 10.9	732.0	471000	13985	25180	0	157.70		
5		915		57.9	13985	25180	0			
ILMNCC0168	OPESDEN ISLAND	41 24.0		33.0	0	0	0	1247.0	1018	
1	GRUNDY	88 16.8	-9080.5	12000	11639	75811	0	16.449		
1	DAEN NCC	7279		18.0	11639	75811	0		1018	
ILGNCC0107	DAYTON DAM	41 24.6		38.0	3760	18079	0	0	2014	
1	LA SALLE	88 48.0	-1595.5	760	3760	18079	0	0		
1	N. COUNTIES HYDRO ELEC C	2570		25.0	3760	18079	0	0	2014	
ILGNCC0105	MARRELLER DAM	41 19.1		25.0	2024	15507	0	1170.5	1021	
1	LA SALLE	88 42.6	-10046.6	1400	8900	50721	0	23.77		
1	DAEN NCC	8250		13.2	10924	66228	0		1021	
ILMNCC0106	STARVED ROCK DAM	41 19.1		35.0	0	0	0	1883.3	1035	
1	LA SALLE	88 59.3	-11412.3	1600	16481	84608	0	22.259		
1	DAEN NCC	11056		15.1	16481	84608	0		1035	



FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. OWNER	DR. AREA	(D M.M)	STATUS	HA.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	(M.M)	(M.M)	AVE. Q	PMR. HD.	TOT. CAP.	TOT.ENERG	(1000 \$)	ERC COMPOSITE
CODE		(D M.M)	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(SQ.MI)	(SQ.MI)	(FT)	(FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
STATUS									
IL60RL0021	SALT FORK	40 4.1	87 54.3	400.0	109.0	0	0	2413.3	
5	VERMILION		498		23000	13	116	20683	
IL60RL0019	VERMILION-DANVILLE	40 3.3	87 41.4	778.0	115.0	0	0	4120.0	
5	VERMILION		973		41300	7896	20211	203.85	
IL60RL0023	ELM RIV	38 32.1	88 21.4	124.0	39.0	0	0	2498.6	
5	WAYNE		155		94300	0	0	7364376	
ILNGCR0014	SINISSIPPI BAYOU	41 47.7	89 39.5	-5102.6	15.0	0	0	726.69	1071
1	WHITESIDE		8715		420	4836	25202	26.913	
ILMNCC0202	BRANDON RD POOL	41 30.5	88 5.9	-3655.3	45.0	0	0	1213.7	1059
1	WILL DAEN NCC		1506		4500	17848	73275	16.564	
ILNGCC0203	LOCKPORT POOL	41 20.3	88 3500	-3100.5	71.0	13500	73387	743.16	1023
1	WILL MSDAC		3500		18000	11425	884	839.96	
ILNGCR0017	FORDAM	42 15.9	89 5.6	-3925.0	13.0	0	0	384.11	1024
1	WINNEBAGO COMMONWEALTH EDISON CO		6500		50	1540	11980	32.62	
ILNGCR0016	ROCKTON	42 27.4	89 4.7	-2075.1	15.0	1100	9095	0	1011
1	WINNEBAGO S RELOIT W G+E CO		3425		50	0	0	0	
					1100	1100	9095	0	1011



... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF INDIANA

		POTENTIAL INCREMENTAL CAPACITY RANGES											
		.05 MW = 15 MW			5 MW = 10 MW			10 MW = 15 MW			.05 MW = 15 MW		
		EXIST*	UNDEVA*	TOTAL*	EXIST*	UNDEVA*	TOTAL*	EXIST*	UNDEVA*	TOTAL*	EXIST*	UNDEVA*	TOTAL*
		INST*	INCR*	INCR*	INST*	INCR*	INCR*	INST*	INCR*	INCR*	INST*	INCR*	INCR*
		1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*
		*****											
NUMBER	CAPACITY	1*	3*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
ENERGY		3.4*	4.6*	0.*	4.6*	0.*	0.*	0.*	0.*	0.*	0.*	0.*	0.*
		*****											
NUMBER	CAPACITY	1*	3*	0*	0*	3*	0*	0*	0*	0*	0*	0*	0*
ENERGY		3.4*	4.6*	0.*	0.*	1.7*	0.*	20.5*	0.*	20.5*	0.*	0.*	0.*
		*****											
NUMBER	CAPACITY	0*	3*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
ENERGY		0.*	9.3*	0.*	9.3*	0.*	0.*	0.*	23.8*	0.*	23.8*	0.*	33.1*
		*****											
NUMBER	CAPACITY	0*	3*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
ENERGY		0.*	19.*	0.*	19.*	0.*	0.*	51.*	0.*	51.*	0.*	70.*	70.*
		*****											
NUMBER	CAPACITY	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
ENERGY		0.*	0.*	0.*	0.*	0.*	0.*	0.*	12.1*	0.*	12.1*	0.*	25.*
		*****											
NUMBER	CAPACITY	1*	7*	0*	0*	3*	0*	0*	0*	0*	0*	0*	0*
ENERGY		3.4*	15.6*	0.*	15.6*	0.*	20.5*	0.*	35.9*	0.*	35.9*	0.*	72.0*
		*****											
NUMBER	CAPACITY	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
ENERGY		0.*	36.*	0.*	36.*	0.*	56.*	0.*	75.*	0.*	75.*	0.*	168.*
		*****											

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PHYSICAL POTENTIAL FOR ADDITIONAL HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF INDIANA

Table with columns for site number, capacity, energy, and various potential categories (EXIST, UNDEV, INST, INCR, CAP, POTEN). Includes sub-sections for 15 MW and 25 MW potentials, and a final 'TOTAL' row.

L E G E N D

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT
COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS
COLUMN 3 = UNDEVELOPED POTENTIAL

COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)
CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PM 2 ID NO	PM 1 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	NAME OF STREAM	DR.AREA	DR.AREA	STATUS	MY.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NON-ECONOMIC
CODE	OWNER	DR.AREA	(D M.H)	(D M.H)	AVE. Q	(FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
FILE	OWNER	(D M.H)	(D M.H)	(D M.H)	(CFS)	(AC FT)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)
STATUS	OWNER	(SQ.MI)	(SQ.MI)	(SQ.MI)	(CFS)	(AC FT)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)
IN6ORL0026	47A1A NO 2	BARTHOLOMEW SAND CK	39 4.1	85 48.9	237	74.0	0	0	2775.5	
5 DRC	BARTHOLOMEW		237	237	237.0	38.9	0	8	318449	
IN6ORL0025	CLIFTY CK	CLIFTY CK	39 14.8	85 43.1		102.0	0	0	5865.8	
5 DRC	BARTHOLOMEW		140	140	140.0	59.9	2408	3957	1482.2	
IN6ORL0028	DELPHI	WARASH RIVER	40 35.1	86 40.6		92.0	0	0	7076.7	
5 DRC	CARROLL		4100	4100	4100.0	54.9	59639	110049	64.304	
INDORL0029	OAKDALE DAM		40 38.8	86 45.0	HR	50.0	0	0	323.2	
2 DFC	CARROLL	TIPPECANOE RI	1800	1800	1800.0	13.1	1500	5000	64.604	2005
INCORL0033	PATOKA LAKE	PATOKA RIVER	38 24.0	86 37.1		84.0	0	0	302.34	
2 DRC	DUBOIS		168	168	168.0	53.9	4309	6281	48.130	2003
INGNCE0003	ELKHART		41 42.0	86 0.0	H	44.0	3440	24986	277.81	
2 DFC J	IND-HIGH ELECTRIC CO	ST JOSEPH	3370	3370	-2925.2	16.9	1600	13600	20.427	2005
IN6ORL0035	SILVERWORD	COAL CREEK	39 58.0	87 23.2		103.0	0	0	3448.3	
5 DRC	FOUNTAIN		256	256	-294.7	49.9	3489	7415	465.0	
INCORL0040	BROOKVILLE LAKE	EAST FORK OF	39 14.8	85 1.0	CR	181.0	0	0	948.37	
2 SCP	FRANKLIN		379	379	379.0	126.8	12147	24886	38.107	1001
IN6ORL0037	OLDENBURG	SALT CREEK	39 23.8	85 12.6		110.0	0	0	2345.9	
5 DRC	FRANKLIN		93	93	93.0	64.9	96	824	2846.5	

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG.	ANUL. COST	ERC-ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG.	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. G	*PWR. HD.	TOT. CAP.	TOT. ENRG.	(1000 \$)	ERC COMPOSITE
CODE CODE		(D M. N)	(CFS)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(D M. N)		(CAC FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS		(SQ. MI)		(FT)	(KW)	(MWH)		(SEQUENCE RANK)
ING6RL0041	TIPPECANOE	41 6.3		52.0	0	0	2974.2	
INU00044	FULTON	86 12.7		242000	116	1017	2922.7	
5 DRC		525		19.9	116	1017		
ING6RL0042	RICHLAND CK	39 1.1		76.0	0	0	1151.2	
INU00019	GREENE	86 54.9		139900	0	2	433083	
5 DRC		87		39.9	0	2		
ING6RL0046	BIG BLUE	39 42.4	CSP	63.0	0	0	7377.5	
INU00013	HANCOCK	85 38.6	DM	108559	137	1185	6223.4	
5 DRC	DAEN DRL	242		32.9	137	1185		
ING6RL0047	MORRESVILLE	39 36.7		64.0	0	0	2800.8	
INU00028	HENDRICKS	86 24.1		90000	11	98	28564	
5 DRC		212		34.9	11	98		
ING6RL0051	KOKOMO WATERDRAKS RESERVOIR	40 29.2	S	20.0	0	0	45.782	
ING6RL0028	HOWARD	86 3.0	DP	5630	7	67	681.89	
5 DRC	KOKOMO WATER WORKS CD	179		11.9	7	67		
ING6RL0052	HUNTINGTON LAKE	40 54.4	C R	91.0	0	0	442.34	
ING6RL0006	HUNTINGTON	85 28.0	DP	170000	7130	13983	31.633	
2 5CP	DAEN DRL	707		49.3	7130	13983		1001
ING6RL0053	MILLI PORT	38 45.7		55.0	0	0	3174.5	
ING6RL0007	JACKSON	86 8.2		236000	0	7	428395	
5 DRC		1148		18.9	0	7		
ING6RL0054	DEPITY	38 48.3		101.0	0	0	6481.1	
ING6RL0010	JEFFERSON	85 39.3		166000	5816	8039	806.12	
5 DRC		290		57.9	5816	8039		
ING6RL0057	WEIMER-BLACK LAKE	41 20.3	D	22.0	0	0	37.960	
ING6RL00240	KOSCIUSKO TR-WEBSTER LA	85 39.7	DP	338	0	6	5886.6	
5 DRC	IN DEPT NATURAL RES.	49		9.9	0	6		



FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM OWNER	LONGITUDE	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	DR.AREA	(D M.N)	AVE. S	PHR. HD.	TOT. CAP.	TOT.ENERGY	(1000 \$)	ERC COMPOSITE
CODE	(D M.N)	(M.N)	(CFS)	(AC FT)	(KM)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE	(80.MI)	(FT)	(FT)	(KM)	(MWH)	(MWH)		(SEQUENCE RANK)
STATUS	RS	DP	CR	OP	OP	OP		
INCORL0500	WILLIAMS DAM	38 47.9	RS	25.0	0	0	1188.4	1002
IN00500	LAWRENCE	86 38.7	DP	3000	6100	32100	37.21	
2 DFC I	IND. DEPT. NATURAL RESOURCES	4650		20.9	8100	32100		
INCORL0064	EAGLE CREEK RESERVOIR	39 49.5	CR	75.0	0	0	37.412	
IN00084	MARTON EAGLE CREEK	86 18.5	DP	75000	2	18	2047.6	
2 DRC	DEPT PUBLIC WORK INDPLS.	168		31.9	2	18		2010
INCORL0065	GEIST RESERVOIR	39 54.6	S	40.0	0	0	48.580	
IN00356	MARTON FALL CREEK	85 59.2	DP	27360	22	197	246.10	
5 DRC	INDPLS. WATER CO.	215		20.9	22	197		
IN6ORL0063	HIGHLAND LAKE	39 54.2		78.0	0	0	2189.6	
INU0052	MARTON FALL CREEK	85 59.9		223100	3105	5886	371.97	
5 DRC		242		48.9	3105	5886		
IN6ORL0067	LOST RIV	38 20.9		79.0	0	0	2812.9	
INU0004	MARTON LOST RIV	86 29.3		450000	4831	8583	327.70	
5 DRC		352		34.9	4831	8583		
IN6ORL0066	SHOALS	38 42.0		100.0	0	0	5425.3	
INU0003	MARTON EAST FK WHITE	86 48.0		1600000	16537	89553	60.581	
5 DRC		4930		62.9	16537	89553		
IN6ORL0069	DENVER	40 51.3		78.0	0	0	3584.3	
INU0043	MIAMI EEL RIVER	86 5.1		263000	9093	18215	196.77	
5 DRC		680		49.9	9093	18215		
INCORL0070	MISSISSINAWA LAKE	40 43.4	CR	140.0	0	0	1032.5	
IN03004	MIAMI MISSISSINAWA	85 57.5	DP	570300	13226	29777	34.676	
2 SCP	DAEN ORL	809		96.3	13226	29777		1001
INCORL0071	LAKE LEHON	39 16.5	SR	42.0	0	0	36.583	
IN00010	MONROE BEAN BLOSSOM	86 25.5	DP	16000	0	3	9649.7	
5 DRC	CITY OF BLOMINGTON	71		14.9	0	3		

FM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM NT	EXIST. CAP.	INC. CAP.	EXIST. ENERGY	INC. ENERGY	TOT. ENERGY	(MWH)	(MWH)	(MWH)	(1000 \$)	COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
IN6ORL0072				MONROE LAKE	MONROE	SALT CREEK	39 0.3	702200	C R	93.0	0	5241	0	0	0	10413	10413	362.22	34.784						2003	
2	SCP			DAEN ORL			441	441.0	OP	43.2	5241	5241	0	0	0	10413	10413	362.22	34.784						2003	
IN6ORL0074				CRAWFORDSVILLE		SUGAR CREEK	40 5.9	93.0		93.0	0	0	0	0	0	0	0	2995.1	250.89							
5	DRC			MONTGOMERY			86 48.0	161200		161200	7419	7419	11937	11937	11937	11937	11937	250.89	250.89							
IN6ORL0077				ANNAPOLIS		SUGAR CREEK	39 51.5	136.0		136.0	0	0	0	0	0	0	0	3860.1	179.3							
5	DRC			PARKE			87 17.7	283100		283100	8929	8929	21560	21560	21560	21560	21560	179.3	179.3							
IN6ORL0078				CECIL M HARDEN LAKE		RACCOON CREEK	39 43.0	119.0		119.0	0	0	0	0	0	0	0	232.91	56.185						2010	
2	SCP			DAEN ORL			87 4.3	132800		132800	1421	1421	4195	4195	4195	4195	4195	56.185	56.185						2010	
IN6ORL0082				PETERSBURG		WHITE RIVER	38 30.1	41.0		41.0	0	0	0	0	0	0	0	5204.0	75.335							
5	DRC			PIKE			87 17.3	60000		60000	12541	12541	69078	69078	69078	69078	69078	75.335	75.335							
IN6ORL0083				BIG WALNUT CR		BIG WALNUT CR	39 41.4	112.0	CSR	112.0	0	0	0	0	0	0	0	13453	17972							
5	DRC I			PUTNAM			86 48.1	218323	DM	218323	93	93	748	748	748	748	748	17972	17972							
IN6ORL0086				CAGLES MILL LAKE		MILL CREEK	39 29.2	150.0	CR	150.0	0	0	0	0	0	0	0	392.28	44.513						1001	
2	SCP			PUTNAM			86 54.9	344000	OP	344000	3597	3597	8812	8812	8812	8812	8812	44.513	44.513						1001	
IN6ORL0089				VERRILLER LAKE		LAUGHERY CREEK	39 4.5	52.0	RS	52.0	0	0	0	0	0	0	0	221.70	73.900							
2	DFC			RIRLEY			85 14.3	2970	DP	2970	1700	1700	3000	3000	3000	3000	3000	73.900	73.900						2005	
IN6ORL0090				LIT BLUE RIV NO 2		LIT BLUE RIV	39 34.9	54.0		54.0	0	0	0	0	0	0	0	1972.8	24189							
5	DRC			SHELBY			85 41.1	31770		31770	9	9	81	81	81	81	81	24189	24189							

FM 2 ID NO	PROJECT NAME	DR AREA	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	OWNER	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY	ENERGY	COST	ERC NONECONOMIC
ACTV CODE	DEP	FILE	DR AREA	(D M.M)	(AC FT)	(AC FT)	(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)
CODE	STATUS	FILE	(D M.M)	(SO.MI)	(CFS)	(FT)	(MWH)	(MWH)	(S/MWH)	(SEQUENCE RANK)
STATUS	FILE	STATUS	(SO.MI)	(CFS)	(FT)	(MWH)	(MWH)	(MWH)	(S/MWH)	(SEQUENCE RANK)
IN60RL0092	LAFAYETTE		40 26.2	86 48.4	787	332950	17176	32903	140.55	
IN60RL0093	BROUILLETTS CREEK		39 37.5	87 26.8	300	185200	3386	6497	3127.3	
IN60RL0094	LIT VERMILION RIV		39 53.2	87 27.5	231	180000	4	40	211932	
IN60RL0095	CLINTON		39 39.6	87 23.6	11500	330000	24504	102063	6177.2	
IN60RL0096	SALAMONIE LAKE		40 48.5	85 40.7	553	459000	10528	20759	899.45	1001
IN60RL0097	BIG PINE		40 24.0	87 20.4	326	177450	7065	13539	6224.2	
IN60RL0098	NORWAY DAM		40 45.7	86 45.6	25000	25000	1500	5000	364.6	
IN60RL0099	WHITE		40 45.7	86 45.6	25000	25000	1500	5000	72.812	
IN60RL0100	NORTH IN PUB SERVICE CO		1732	1732	1732.0	1732.0	1500	5000	2005	



... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF IOWA

POTENTIAL INCREMENTAL CAPACITY RANGES													
		.05 MW = 5 MW			5 MW = 10 MW			10 MW = 15 MW			.05 MW = 15 MW		
HEAD	UNIT	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
		INST	POTEN	INCR	INST	POTEN	INCR	INST	POTEN	INCR	INST	POTEN	INCR
		1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
0-19	NUMBER	2	0	0	0	0	0	0	0	0	0	0	0
	CAPCTY	5.8	0	0	0	0	0	0	0	0	0	0	0
	ENERGY	31	0	0	0	0	0	0	0	0	0	0	0
20-49	NUMBER	1	0	0	0	0	0	0	0	0	0	0	0
	CAPCTY	1.2	0	0	0	0	0	0	0	0	0	0	0
	ENERGY	5	0	0	0	0	0	0	0	0	0	0	0
50-99	NUMBER	0	1	0	0	0	0	0	0	0	0	0	0
	CAPCTY	0	3.0	0	0	0	0	0	0	0	0	0	0
	ENERGY	0	6	0	0	0	0	0	0	0	0	0	0
>100	NUMBER	0	0	0	0	0	0	0	0	0	0	0	0
	CAPCTY	0	0	0	0	0	0	0	0	0	0	0	0
	ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	NUMBER	3	1	0	0	0	0	0	0	0	0	0	0
	CAPCTY	7.0	3.0	0	0	0	0	0	0	0	0	0	0
	ENERGY	36	6	0	0	0	0	0	0	0	0	0	0

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)



FM 2 ID NO	PROJECT NAME	STATUS	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG MANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME	DR-AREA	LATITUDE	LONGITUDE	MX-STR.	INC. CAP.	INC. ENRGY ENRGY COST
ACTY DEP	OWNER	(D M.M)	(D M.M)	(D M.M)	(MX-STR.)	TOT. CAP.	(1000 \$)
CODE		(SQ.MI)	(AC FT)	(KW)	(MWH)	(MWH)	(\$/MWH)
FILE			(FT)	(KW)	(MWH)	(MWH)	
STATUS			(CFS)	(KW)	(MWH)	(MWH)	
IAANCR0022	MISS L+D13	41 53.8	192000	15580	88243	88243	2022.8
IA00005	CLINTON	90 9.4	6.5	15580	88243	88243	22.922
1	DAEN NCR	85600					1049
IAANCR0024	MISS L+D18	40 53.0		0	0	0	2396.9
IA00010	DES MINES	91 1.5	90000	18185	106254	106254	22.558
1	DAEN NCR	113600	6.4	18185	106254	106254	1046
IAANCR0026	MISS L+D11	42 32.5		0	0	0	1426.9
IA00003	DURIQUE	90 38.5	170000	10649	72523	72523	19.676
1	DAEN NCR	81600	7.9	10649	72523	72523	1032
IAGNCR0027	232 IA ND	41 41.8		0	0	0	237.79
IA00015	GUTHRIE	94 22.9	23700	2976	5625	5625	42.274
1	MTP-IOWA LAKES CORP.	434	57.9	2976	5625	5625	1912
IAANCR0035	MISS L+D12	42 15.7		0	0	0	1878.6
IA00004	JACKSON	90 25.2	92000	14181	72294	72294	25.986
1	DAEN NCR	82400	4.7	14181	72294	72294	1061
IAGNCR0037	719 IA ND	42 4.1		1200	6368	6368	0
IA01302	JACKSON	90 41.8	1206	0	0	0	0
1	IA ELEC LGTGT + POWER CO	1550	23.0	1200	6368	6368	0
IACNCR0040	CORALVILLE DAM + RESERVOIR	41 43.4		0	0	0	865.13
IA00012	JOHNSON	91 31.6	585000	11632	25734	25734	33.617
1	DAEN NCR	3084	28.3	11632	25734	25734	1951
IAANCR0045	MISS L+D19	40 23.8		128000	667806	667806	14826
IA00011	LEE	91 21.7	292000	263344	447841	447841	33.107
1	DAEN NCR, UNION ELECT CO	119000	33.2	391344	1315647	1315647	1016
IAANCR0048	MISS L+D17	41 11.4		0	0	0	1470.3
IA00009	LOUYSA	91 3.5	50000	10948	45018	45018	32.660
1	DAEN NCR	99600	3.0	10948	45018	45018	2005

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	OWNER	STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG MANUL. COST	ERC ECONOMIC
ACTV DEP	NAME OF	NAME OF	NAME OF	NAME OF	DR. AREA	DR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRGY ENERGY COST	ERC NONECONOMIC
CODE	OWNER	OWNER	OWNER	OWNER	(D M M)	(D M M)	AVE. G	(PT)	(KW)	(1000 \$)	(SEQUENCE RANK)
FILE					(M M M)	(M M M)		(AC FT)	(KW)	(\$/MWH)	(SEQUENCE RANK)
STATUS					(SQ MI)	(SQ MI)	(CFS)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
IACNCR0050	RED ROCK DAM +	LAKE RED ROCK	LAKE RED ROCK	LAKE RED ROCK	41 22.1	92 58.5	CR	118.0	57916	3682.0	1987
IACNCR0013	MARTON	DES MOINES RI	DES MOINES RI	DES MOINES RI	92 58.5	92 58.5	DP	183000	57916	31.596	1987
IACNCR0001	DAEN NCR				12323	12323		43.9	57916	116534	1987
IACNCR0051	MISS L+D16				41 25.6	91 0.6	N	34.0	0	2411.9	1062
IACNCR0008	MUSCATINE	MISSISSIPPI R	MISSISSIPPI R	MISSISSIPPI R	91 0.6	91 0.6	DP	86000	18290	91503	1062
IACNCR0100	SAYLORVILLE LAKE + DAM	DES MOINES RI	DES MOINES RI	DES MOINES RI	41 38.0	93 47.0	CR	105.0	17267	962.10	1973
IACNCR0059	MISS L+D14				41 34.3	90 23.9	N	39.0	0	2590.3	1025
IACNCR0006	SCOTT	MISSISSIPPI R	MISSISSIPPI R	MISSISSIPPI R	90 23.9	90 23.9	DP	82000	20347	17.863	1025
IACNCR0060	MISS L+D15				41 31.1	90 33.9	N	41.0	2752	12113	1055
IACNCR0007	SCOTT	MISSISSIPPI R	MISSISSIPPI R	MISSISSIPPI R	90 33.9	90 33.9	DP	30000	2752	12113	1055
IACNCR0062	733 IA NO				41 0.9	92 24.8	SH	14.0	3000	17628	
IACNCR01316	NAPFLO	DES MOINES RI	DES MOINES RI	DES MOINES RI	92 24.8	92 24.8	SI	4525	3000	17628	
IACNCR01316	CITY OF OTTUMWA				13200	13200		15.0	3000	17628	



PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF KANSAS

*C *M *H *A *D	*NUMBER	*CAPACITY	*ENERGY	*POTENTIAL INCREMENTAL CAPACITY RANGES				*EXIST	*UNDEV	*TOTAL	*EXIST	*UNDEV	*TOTAL	*EXIST	*UNDEV	*TOTAL	*EXIST	*UNDEV	*TOTAL
				*5 MW	*10 MW	*15 MW	*.05 MW												
*0-19	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
*20-49	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
*50-99	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
*100	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
*TOTAL	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

L E G E N D







FM 2 ID NO	FM 1 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	STATUS	AVE. Q	WTR. HD.	DR-AREA	(D.M.M)	(D.M.M)	(SD.MI)	(CFS)	(AC FT)	(FT)	(KW)	(MHH)	(MHH)	(MHH)	EXIST. CAP. (KW)	INC. CAP. (KW)	TOT. CAP. (KW)	EXIST. ENRGY (MWH)	INC. ENRGY (MWH)	TOT. ENRGY (MWH)	MANUL. COST (\$/MWH)	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE
KS6SMT0101	KSU0370	5	DRC I			GALENA RESERVOIR	CHEROKEE	37 2.5	94 39.7	CSRD	SI	-483.0	45.2	358500							4439	10366	10366	0	4439	4439	0	4877.7	470.53					
KS6SMT0103	KSU0463	5	DRC I			LAWTON RESERVOIR LOWER NEOSH	CHEROKEE	37 13.4	94 40.0	ISC	IS			70.0							0	0	0	0	0	0	0	7304.4	14637					
KSCSMT0113	KSU0004	2	DRC I			JOHN REDMOND RESERVOIR	COFFEY	38 14.4	95 45.3	CRD	OP	-1395.8	34.4	86.5							9003	17338	17338	0	9003	9003	0	621.2	35.816		1036	1036		
KS6SMT0110	KSU0464	5	DRC I			LEROY RESERVOIR MIDDLE NEOSH	COFFEY	38 5.9	94 43.9	ISC	IS	-98.8	57.9	79.0							0	0	0	0	0	0	0	4940.4	10995847					
KS6SMT0112	KSU0515	5	SCP I			LEROY RESERVOIR MIDDLE NEOSH	COFFEY	38 5.9	94 43.9	ISC	SI	-109.0	46.9	87.0							0	0	0	0	0	0	0	4227.8	6651010					
KS6SMT0114	KSU0045	5	SCP I			EVANSVILLE LAKE	COMANCHE	37 12.0	99 1.9	CS	SI	-46.9	89.8	140.0							0	0	0	0	0	0	0	3879.8	7727310					
KS6SMT0122	KSU0335	5	SCP I			AKRON LAKE	COMANCHE	37 19.9	97 2.0	CS	SI	-748.4	91.7	105.0							0	0	0	0	0	0	0	14224	1621.6					
KS6SMT0123	KSU0338	5	SCP I			ARKANSAS CITY LAKE	COMANCHE	37 5.7	97 1.0	SO	SP	-895.8	54.7	82.5							0	0	0	0	0	0	0	4720.4	407.76					
KS6SMT0118	KSU0034	5	SCP I			DEXTER LAKE	COMANCHE	37 14.0	96 41.9	CS	SI	-112.6	96.8	127.0							0	0	0	0	0	0	0	3704.2	4915911					





FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	ANNUAL COST	ERC ECONOMIC
ACTV DEP	OWNER	DR-AREA	DR-AREA	STATUS	AVE. Q	MPWR. MD.	INC. CAP.	INC. ENERGY	ERC NONECONOMIC
CODE		(D.M.M)	(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
FILE		(D.M.M)	(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(8/MWH)	(SEQUENCE RANK)
STATUS		(D.M.M)	(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(8/MWH)	(SEQUENCE RANK)
K86SNT0177	BARTLETT RESERVOIR OF LOWER	37	5.9	81	80.0	0	0	6260.7	
K8U0419	LARLETTE HACKBERRY CREEK	95	11.9	18	269274	0	0	10887620	
5 SCP I	BUREC	103			54.9	0	0		
K86SNT0183	CLEARCREEK	38	23.2	8	54.0	0	0	2793.0	
K8U0350	MARTON	96	59.6	81	23300	0	0	15895732	
5 DRC I	DAEN	74			19.9	0	0		
K86SNT0191	DOYLE RES.	38	12.8	C80	113.0	0	0	6574.9	
K8U1114	MARTON	96	58.0	18	193200	0	0	2249199	
5 SCP I	DAEN SMT	127			72.9	0	2		
K86SNT0184	LUTA	38	22.1	8	80.0	0	0	2330.4	
K8U0385	MARTON	97	1.6	81	30600	0	0	10573005	
5 DRC I	DAEN	93			19.9	0	0		
K86SNT0187	SEDAN RESERVOIR VERDIGRIS RIV	37	9.4	8C	160.0	0	0	7237.2	
K8U0457	MARTON	97	15.4	18	392232	0	0	29352677	
5 DRC I	BUREC	86			66.9	0	0		
K86SNT0202	ELK CITY LAKE	37	16.9	C 8 0	107.0	0	0	36.82	
K800002	MONTGOMERY	96	46.9	DP	667000	0	0	8536.3	
5 DRC I	DAEN SMT	634			34.5	0	4		
K86SNT0201	SYCAMORE RES.	37	17.9	C8	103.0	0	0	8314.7	
K8U1100	MONTGOMERY	95	40.5	18	750000	0	0	486.35	
5 DRC I	DAEN SMT	2175			39.9	0	0		
K86SNT0205	BUSHONG RESERVOIR UPPER NEOSHO	37	27.0	81C	130.0	0	0	8735.6	
K8U0421	MORRIS	96	58.9	18	712173	0	0	9094190	
5 SCP I	BUREC	188			54.9	0	0		
K86SNT0209	COUNCIL GROVE LAKE	38	41.2	C 8 R 0	96.0	0	0	35.466	
K800001	MORRIS	96	30.0	DP	329800	0	0	32499	
5 SCP I	DAEN SMT	246			44.9	0	1		







PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF KENTUCKY

Table with columns for Capacity Ranges (0.05 MW to 15 MW) and rows for various metrics (NUMBER, CAPACITY, ENERGY) across different categories (0-19, 20-49, 50-99, >100, TOTAL).

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS
COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS
COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES
COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)
COLUMN 5 = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
COLUMN 6 = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

\*\*\* PRELIMINARY ESTIMATE \*\*\*

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF KENTUCKY

POTENTIAL INCREMENTAL CAPACITY RANGES															
	.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL					
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP
0-19	0	0	15	0	16.1	0	16.1	0	18.3	0	18.3	0	9	0	9
	0.0	0.0	82.0	0.0	82.0	0.0	82.0	0.0	82.0	0.0	82.0	0.0	0.0	0.0	0.0
	0.0	0.0	303	0.0	303	0.0	303	0.0	303	0.0	303	0.0	2571	0.0	2571
20-49	0	1	2	0	2	0	2	0	2	0	2	0	0	0	0
	0.0	3.8	5.9	0.0	3.8	0.0	3.8	0.0	3.8	0.0	3.8	0.0	0.0	0.0	0.0
	0.0	5.8	10.2	0.0	5.8	0.0	5.8	0.0	5.8	0.0	5.8	0.0	888	0.0	888
50-99	0	6	7	0	7	0	7	0	7	0	7	0	1	0	1
	0.0	43.6	46.6	0.0	43.6	0.0	43.6	0.0	43.6	0.0	43.6	0.0	2	0	2
	0.0	118	125	0.0	118	0.0	118	0.0	118	0.0	118	0.0	161	0.0	161
>100	0	1	2	0	2	0	2	0	2	0	2	0	0	0	0
	0.0	0.1	0.2	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
	0.0	0.7	1.5	0.0	0.7	0.0	0.7	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.0
TOTAL	0	23	26	0	23	0	23	0	23	0	23	0	2	0	2
	0.0	130	135	0.0	130	0.0	130	0.0	130	0.0	130	0.0	331	0.0	331
	0.0	427	436	0.0	427	0.0	427	0.0	427	0.0	427	0.0	1385	0.0	1385

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL

COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	OWNER	NAME OF STREAM	LATITUDE	LONGITUDE	DR. AREA	(D M.M)	(D M.M)	(SQ.MI)	STATUS	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	(KW)	(MW)	(MWH)	TOT. ENERGY*	EXIST. ENRG ANNUL. COST	INC. ENRG ANNUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
FILE	ACTV DEP	CODE	STATUS	AVE. 0	(CFS)	(AC FT)	(FT)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)
KYADRL0101	KENTUCKY RIVER LOCK + DAM 05	ANDERSON	DAEN ORL	KENTUCKY RIVER	36 3.1	84 49.7	5225	36	485.2	7838.0	OP	N	16200	18400	18400	0	18400	18400	0	2051.6	111.50					2051.6	111.50			2003
KYADRL0102	MOUND CITY L+D	BALLARD	DAEN ORL	OHIO RIVER	37 4.7	89 9.4	203915	37	302.0	300000.0	FP	N	115481	206934	206934	0	206934	206934	0	8542.5	41.281					8542.5	41.281			1002
KYADRL0103	OHIO RIVER LOCK + DAM 53	BALLARD	DAEN ORL	OHIO RIVER	37 11.8	89 2.2	203100	37	290.0	304700.0	NP	N	70000	145000	145000	0	145000	145000	0	11111	76.628					11111	76.628			1002
KYORL0104	BARREN RIVER LAKE	BARREN	DAEN ORL	BARREN RIVER	36 53.8	86 7.5	940	36	146.0	1410.0	CR	CR	13372	48369	48369	0	48369	48369	0	1121.7	23.190					1121.7	23.190			1001
KYORL0105	CAVE RUN LAKE	BATH	DAEN ORL	LICKING RIVER	38 7.1	83 31.9	826	38	146.0	1239.0	CR	CR	18266	43244	43244	0	43244	43244	0	1457.4	33.702					1457.4	33.702			1001
KY6ORR0022	KETTLE ISLAND DAM	BELI	DAEN ORN	STRAIGHT CREEK	36 47.3	83 35.5	46	36	75.0	261.0	HR	HR	0	0	0	0	0	0	0	769.42	8803.2					769.42	8803.2			
KY6ORL0106	HINCKSTON CREEK	BOURBON	DAEN ORH	HINCKSTON CREEK	38 16.7	84 17.2	174	38	96.0	126000	IS	IS	3287	5477	5477	0	5477	5477	0	1979.5	361.41					1979.5	361.41			
KYADRH0001	CAPTAIN ANTHONY MELDAHL L+D	BRACKEN	DAEN ORH	OHIO RIVER	38 47.5	84 10.2	70808	38	75.0	91890.0	NP	NP	75000	394000	394000	0	394000	394000	0	9289.1	25.576					9289.1	25.576			1002
KY6ORL0107	TROUBLESOME CK	BREATHITT	DAEN ORH	TROUBLESOME CK	37 28.8	83 19.7	201	37	132.0	302.0	NP	NP	0	0	0	0	0	0	0	2017.6	102661					2017.6	102661			



FM 2 ID NO	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENERGY COST	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	NAME OF STREAM	DR. AREA	MX. STOR.	PHR. HD.	STATUS	AVE. Q	INC. CAP.	TOT. CAP.	INC. ENERGY COST	ERC NON-ECONOMIC	ERC COMPOSITE
ACTV DEP	DR. AREA	(D M.M)	(PT)	(AC FT)	(KW)	(KW)	(KW)	(MWH)	(1000 \$)	(S/MWH)	(SEQUENCE RANK)
CODE CODE	(D M.M)	(AC FT)	(PT)	(AC FT)	(KW)	(KW)	(KW)	(MWH)	(1000 \$)	(S/MWH)	(SEQUENCE RANK)
FILE	(SQ. MI)	(CFS)	(FT)	(FT)	(KW)	(KW)	(KW)	(MWH)	(1000 \$)	(S/MWH)	(SEQUENCE RANK)
STATUS	(SQ. MI)	(CFS)	(FT)	(FT)	(KW)	(KW)	(KW)	(MWH)	(1000 \$)	(S/MWH)	(SEQUENCE RANK)
KYADR0119	KENTUCKY RIVER LOCK + DAM 12	DAEN ORL	37 40.6	83 56.8	N	602.5	5500	16000	695.98	43.498	2003
KY03024	ESTILL KENTUCKY RIVER	DAEN ORL	37 40.6	83 56.8	DP	20	5500	16000	695.98	43.498	2003
2 DFC I	DAEN ORL	DAEN ORL	37 40.6	83 56.8	DP	20	5500	16000	695.98	43.498	2003
KY6DR0117	STATION CAMP CK	STATION CAMP CK	37 34.5	83 56.9		270.0	0	0	4189.1		
KYU0014	ESTILL	ESTILL	37 34.5	83 56.9		290000	5545	12566	333.35		
5 DRC	ESTILL	ESTILL	37 34.5	83 56.9		232.7	5545	12566	333.35		
KY6DRH003	DEWEY	DEWEY	37 44.2	82 43.8	CR0	118.0	0	0	282.13		
KYU0093	FLOYD	FLOYD	37 44.2	82 43.8	OP	93300	3824	5861	49.839		1001
2 DRC	DAEN ORH	DAEN ORH	37 44.2	82 43.8	OP	227.0	3824	5861	49.839		1001
KYADR0120	KENTUCKY RIVER LOCK + DAM 04	DAEN ORL	38 12.6	84 52.3	N	470.2	0	0	766.2		
KY03016	FRANKLIN KENTUCKY RIVER	DAEN ORL	38 12.6	84 52.3	DP	50	5400	26400	29.16		1002
2 DFC I	DAEN ORL	DAEN ORL	38 12.6	84 52.3	DP	10.2	5400	26400	29.16		1002
KY6DR0301	MARKLAND LOCKS AND DAM	DAEN ORL	38 46.6	83 17.0	NH	455.0	81000	490000	0		
KY03033	GALLATIN OHIO RIVER	DAEN ORL	38 46.6	83 17.0	DP	50	0	0	0		
6 DFC I	DAEN ORL	DAEN ORL	38 46.6	83 17.0	DP	23.6	81000	490000	0		1002
KY6DR0121	EAGLE CREEK	GRANT	38 36.5	84 40.7		130.0	0	0	2212.1		
KYU0030	GRANT	GRANT	38 36.5	84 40.7		172644	0	2	815079		
5 DRC	GRANT	GRANT	38 36.5	84 40.7		69.9	0	2	815079		
KY6DRH0005	ARGENTUM	GREENUP	38 30.0	82 58.0	C	87.0	0	0	4012.7		
KYU0091	GREENUP	GREENUP	38 30.0	82 58.0	IS	137000	1103	4784	636.64		
5 DRC I	GREENUP	GREENUP	38 30.0	82 58.0	IS	71.9	1103	4784	636.64		
KY6DRH0004	ARGILLITE	GREENUP	38 24.0	82 52.9	C	65.0	0	0	6302.1		
KYU0090	GREENUP	GREENUP	38 24.0	82 52.9	IS	226000	7549	14384	438.11		
5 DRC I	GREENUP	GREENUP	38 24.0	82 52.9	IS	49.9	7549	14384	438.11		
KYADR0006	GREENUP L+D	DAEN ORH	38 36.8	82 51.4	NR	45.0	0	0	7933.6		
KYU0096	GREENUP	DAEN ORH	38 36.8	82 51.4	DP	0	70000	368000	21.613		
2 DFC	DAEN ORH	DAEN ORH	38 36.8	82 51.4	DP	19.2	70000	368000	21.613		1002

FM 2 ID NO	PROJECT NAME	PRIMARY CD.	NAME OF STREAM	LONGITUDE	DAM HT	EXIST.CAP.	EXIST.ENERG.	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR AREA	STATUS	AVE. Q	WTR. HD.	TOT. CAP.	TOT. ENRGY	(1000 \$)	ERC NONECONOMIC
CODE		(D.M.M)	(AC FT)	(KW)	(MHH)	(MHH)	(MHH)	(S/MHH)	(SEQUENCE RANK)
FILE		(80.MI)	(CFS)	(KW)	(MHH)	(MHH)	(MHH)		(SEQUENCE RANK)
STATUS				(KW)	(MHH)	(MHH)	(MHH)		(SEQUENCE RANK)
KY60R0007	KEHCE LAKE	38 29.0	CRD	120.0	0	0	0	3214.0	
KYU0098	GREENUP	83 1.9	PA	48100	3033	4523	4523	710.45	2005
2 DRC I	TYGARTS CREEK	127		58.9	3033	4523	4523		
KYADR0303	CANNELTON LOCKS AND DAM	37 51.9	N	383.0	0	0	0	9478.9	
KY03058	HANCOCK	86 42.3	DP	10	71000	340000	340000	27.879	
2 DFC I	DAEN ORL	97690		15.4	71000	340000	340000		1002
KYCOR0030	CRANKS CK LAKE	36 44.2	R	120.0	0	0	0	42.59	
KY00046	HARLAN	83 14.2	DP	17000	94	632	632	66.453	
5 DRC I	HARLAN COUNTY	25		104.8	94	632	632		
KY6DR0028	UDPTN90000	36 53.2	HR	151.0	0	0	0	1283.4	
KYU0041	HARLAN	83 2.4	IS	0	103	780	780	1643.7	
5 DRC I	DAEN ORN	29		127.8	103	780	780		
KYADR0125	GREEN R L + D	37 51.5	N	349.1	0	0	0	687.46	
KY03002	HENDERSON	87 24.5	DP	16	4700	13500	13500	50.923	
2 DFC I	DAEN ORL	9181		6.5	4700	13500	13500		1002
KYADR0126	NEHBURG LOCK + DAM	37 54.6	N	358.0	0	0	0	8927.2	
KY03059	HENDERSON	87 21.7	DP	16	57400	214000	214000	41.715	
2 DFC I	DAEN ORL	97690		8.8	57400	214000	214000		1002
KYADR0128	KENTUCKY RIVER LOCK AND DAM	38 26.2	N	444.0	0	0	0	575.32	
KY03014	HENRY	84 57.6	DP	19	3300	10500	10500	54.793	
2 DFC I	DAEN ORL	6180		8.0	3300	10500	10500		1002
KYADR0129	KENTUCKY RIVER LOCK + DAM	38 25.0	N	457.2	0	0	0	2456.3	
KY03015	HENRY	84 52.8	DP	18	6000	28700	28700	85.568	
2 DRC I	DAEN ORL	5983		14.4	6000	28700	28700		1002
KY0R0302	MALPINE LOCKS AND DAM	38 16.3	NH	420.0	0	0	0	0	
KY03034	JEFFERSON	85 46.1	DP	50	80300	398000	398000	0	
6 DFC I	DAEN ORL	91170		23.9	80300	398000	398000	0	1002





FM 2 ID NO	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
ACTV DEP	FILE	STATUS	DR AREA	DR AREA	AVE. Q	SPMR. MD.	INC. CAP.	INC. ENRG	ENERGY COST	ERC COMPOSITE
CODE	STATUS	STATUS	(D M.M)	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE	STATUS	STATUS	(90.MI)	(90.MI)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
KY6DRN0033	WOOD CK LAKE	COMMONWEALTH OF KENTUCKY	37 12.8	84 11.8	SR	163.0	0	0	45.74	2010
KY00088	LAUREL	WOOD CK	84 11.8	84 11.8	DP	44500	117	796	56.573	
2 DRC I	COMMONWEALTH OF KENTUCKY		22	22		154.8	117	796		
KY6DRH0009	YATESVILLE		38 3.5	82 51.9	CRD	105.0	0	0	3751.9	
KYU0099	LAWRENCE	BLAINE CREEK	82 51.9	82 51.9	PA	99800	2146	4427	847.40	
2 DRC I	DAEN ORH		208	208		44.9	2146	4427		2005
KY6DRLO138	FINGCASTLE		37 38.4	83 35.9		120.0	0	0	3261.4	
KYU0019	LEE	NO FK KENTUCKY	83 35.9	83 35.9		180500	10734	38866	83.914	
5 DRC			1300	1300		66.9	10734	38866		
KY6DRLO139	KENTUCKY RIVER	LOCK + DAM 13	37 36.1	83 50.0	N	620.5	0	0	736.58	
KY03025	LEE	KENTUCKY RIVER	83 50.0	83 50.0	DP	23	6100	18800	39.180	
2 DFC I	DAEN ORL		2784	2784		15.5	6100	18800		2003
KY6DRLO140	KENTUCKY RIVER	LOCK + DAM 14	37 33.1	83 46.1	N	637.5	0	0	713.89	
KY03026	LEE	KENTUCKY RIVER	83 46.1	83 46.1	DP	23	6049	21052	33.910	
2 DRC I	DAEN ORL		2657	2657		16.2	6049	21052		2003
KY6DRLO137	WALKERS CREEK		37 35.1	83 41.4		120.0	0	0	3277.0	
KYU0012	LEE	WALKERS CREEK	83 41.4	83 41.4		180500	10883	39404	83.163	
5 DRC			1318	1318		66.9	10883	39404		
KY6DRLO141	CUTSHIN CREEK		37 13.2	83 21.6		122.0	0	0	1597.3	
KYU0008	LESLIE	CUTSHIN CREEK	83 21.6	83 21.6		40120	1	15	102826	
5 DRC			84	84		69.9	1	15		
KY6DRLO144	KINGDOM COME		37 7.6	82 57.6		205.0	0	0	2979.1	
KYU0007	LETCHER	NO FK KENTUCKY	82 57.6	82 57.6		128400	3525	12663	235.25	
5 DRC			195	195		139.8	3525	12663		
KY6DRN0035	LETCHER-HARLAN CO DAM		37 0.0	82 54.7	HR	96.0	0	0	873.67	
KYU0038	LETCHER	POOR FORK	82 54.7	82 54.7	IS	43000	86	639	1366.2	
5 DRC I	DAEN ORN		52	52		95.3	86	639		

FM 2 ID NO	PROJECT NAME	ACTV DEP	FILE STATUS	PRIMARY CD.	OWNER	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
							DR. AREA	MX. STOR.	AVE. D	PHR. HD.	TOT. CAP.	TOT. ENRGY	(MWH)	(1000 \$)	ERC COMPOSITE
							(D M. M)	(AC FT)	(CFS)	(FT)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
							(SQ. MI)	(FT)			(KW)	(MWH)	(MWH)		(SEQUENCE RANK)
KYA0RL5550	OHIO RIVER LOCK + DAM 51				DAEN ORL	OHIO RIVER	37 21.3	0	N	0	93500	417700	0	7923.7	
5	DFC I	LIVINGSTON			DAEN ORL	OHIO RIVER	88 28.7	50	OP	7.9	93500	417700	0	18.970	
KYA0RL0146	SMITHLAND L + D						37 9.2	324.0			0	0	0	8675.2	
KYU0023	LIVINGSTON					OHIO RIVER	88 24.8	50			120000	571000	0	15.193	
2	DFC	DAEN ORL					143900	11.1			120000	571000	0		1002
KYI0R0037	LAKE BARKLEY					CUMBERLAND	37 1.3	109.0	HNCR		130000	761600	0	0	
KY03001	LYON						88 13.3	2082000	OP		0	0	0	0	0.
5	DFC I	DAEN ORN					17598	55.0			130000	761600	0		0.
KY60RL0149	FORD					KENTUCKY RIV	37 52.3	105.0			13912	67405	0	3987.7	
KYU0015	MADTSON						84 15.2	840000			13912	67405	0	59.160	
5	DRC						2503	77.9			4800	20900	0	576.27	2003
KYADRL0152	KENTUCKY RIVER LOCK + DAM 10						37 53.6	567.5	N		0	0	0	1415.1	
KY03022	MADTSON					KENTUCKY RIVER	84 15.7	23	OP		4800	20900	0	27.573	
2	DFC I	DAEN ORL					3955	15.8			4800	20900	0		2003
KY60RL0153	ROYALTON					LICKING RIVER	37 40.8	64.9			0	0	0	1415.1	
KYU0004	MAGOFFIN						83 1.5	64.9			0	6	6	208273	
5	DRC						76	114.0			0	6	6		
KYI0R0038	KENTUCKY LAKE					TENNESSEE R.	37 0.7	206.0	NCHR		175000	112530	0	0	
KY03008	MARSHALL						88 16.1	6129000	OP		0	0	0	0	0.
5	DFC I	TVA					40200	56.0			175000	112530	0		0.
KYA0RL0154	OHIO RIVER LOCK + DAM 52						37 7.3	302.0	N		0	0	0	10955	
KY03041	MCCRACKEN					OHIO RIVER	88 39.3	16	OP		69100	142600	0	76.826	
2	DFC I	DAEN ORL					202830	3.2			69100	142600	0		1002
KYA0RL0155	GREEN RIVER LOCK + DAM 02						37 31.9	363.3	N		0	0	0	785.99	
KY03003	MCLEAN					GREEN RIVER	87 15.8	19	OP		5500	19800	0	39.696	
2	DFC I	DAEN ORL					7564	9.5			5500	19800	0		1002



FM 2 ID NO	ACTV DEP	FILE STATUS	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	DR. AREA	(D M.M)	(SQ.MI)	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENERGY	INC. ENERGY	TOT. ENERGY	(1000 \$)	(\$/MMH)	(SEQUENCE RANK)	(SEQUENCE RANK)
FM 1 ID NO	ACTV DEP	FILE STATUS	NAME OF STREAM	OWNER	AVE. G	PR. HD.	(FT)	(AC FT)	(FT)	(CFS)	(KW)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	(\$/MMH)	(SEQUENCE RANK)	(SEQUENCE RANK)
KY6DRN0041			ROCKCASTLE NARROWS DAM		37 2.1	84 18.2				179.0	0	0	0	0	77130	77130	77130	4715.2	61.134		
5	DRC I		PULASKI	ROCKCASTLE	IS	171200				49191	49191	49191	49191	49191	77130	77130	77130	4715.2	61.134		
KY6DRN0042			PARKER BRANCH DAM		37 17.9	84 8.7				161.0	0	0	0	0	25028	25028	25028	2629.9	105.7		
5	DRC I		ROCKCASTLE	ROCKCASTLE	IS	317200				13990	13990	13990	13990	13990	25028	25028	25028	2629.9	105.7		
KY1DRN0044			LAKE CUMBERLAND		36 52.2	85 8.6				259.0	0	0	0	0	1317900	1317900	1317900	0	0	0	0
5	DFC I		RUSSELL	CUMBERLAND	OP	6089000				270000	270000	270000	270000	270000	1317900	1317900	1317900	0	0	0	0
KYCORL0174			TAYLORSVILLE LAKE		38 0.0	85 18.1				163.0	0	0	0	0	23306	23306	23306	1139.0	48.871		2003
2	SCP		SPENCER	SALT RIVER	IS	480000				16884	16884	16884	16884	16884	23306	23306	23306	1139.0	48.871		2003
KYCORL0175			GREEN RIVER LAKE		37 20.3	85 15.2				143.0	0	0	0	0	47662	47662	47662	1516.4	31.817		1001
2	SCP I		TAYLOR	GREEN RIVER	OP	1164000				20613	20613	20613	20613	20613	47662	47662	47662	1516.4	31.817		1001
KYADR0176			UNIONTOWN LOCK + DAM		37 46.1	87 57.5				342.0	0	0	0	0	189000	189000	189000	10246	54.213		1002
2	DFC I		UNION	OHIO RIVER	OP	30				65000	65000	65000	65000	65000	189000	189000	189000	10246	54.213		1002
KYADR0178			BARREN R L & D 1		37 5.1	86 30.2				412.0	0	0	0	0	12500	12500	12500	565.45	45.236		1002
2	DFC I		WARREN	BARREN RIVER	OP	20				3800	3800	3800	3800	3800	12500	12500	12500	565.45	45.236		1002
KY6DR0177			DRAKES CREEK		36 55.2	86 22.9				82.0	0	0	0	0	17001	17001	17001	2672.6	157.19		
5	DRC		WARREN	DRAKES CREEK	IS	140000				9337	9337	9337	9337	9337	17001	17001	17001	2672.6	157.19		
KY6DRN0047			CUMBERLAND FALLS DAM		36 50.1	84 20.0				80.0	0	0	0	0	249692	249692	249692	7725.0	30.938		
5	DRC D		WHITLEY	CUMBERLAND	SI	67000				161680	161680	161680	161680	161680	249692	249692	249692	7725.0	30.938		
			DAEN-ORN		1977	3259.2				3259.2	3259.2	3259.2	3259.2	3259.2	249692	249692	249692	7725.0	30.938		

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	OWNER	DR. AREA	LONGITUDE	LATITUDE	PROJ. PURP.	STATUS	AVE. G	PHR. HD.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	TOT. ENERGY	ENERGY COST	ANNUAL COST	ERC ECONOMIC	ERC NONECONOMIC
ACTV CODE	FILE	STATUS	(SQ. MI)	(D M. M)	(D M. M)	(S. M. M)	(CFS)	(AC FT)	(FT)	(KW)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)
KY60R0046	JELLICO CREEK DAM			36 44.2	84 15.3	81	H	225.0	0	3799	0	3799	12823	12823	0	2806.1	218.63		
KYU0042	WHITLEY			126			SI	707900		3799		3799	12823	12823					
S DRC D	DAEN-ORN							221.6											
KYADRLO180	KENTUCKY RIVER LOCK + DAM			37 55.6	84 49.2	N	N	499.2		0	0	0	0	0	0	612.61	29.459		
KY03018	WOODFORD			84 49.2		DP	DP	19		4503	4503	20794	20794	20794					
2 DRC I	DAEN ORL			5102				7653.0	12.9	4503	4503	20794	20794	20794					2003

... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF LOUISIANA

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW = 5 MW			5 MW = 10 MW			10 MW = 15 MW			.05 MW = 15 MW		
	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*
NUMBER	0*	1*	1*	0*	1*	2*	0*	1*	1*	0*	1*	1*
CAPCTY*	0.0*	3.8*	3.8*	0.0*	8.0*	15.6*	0.0*	13.3*	13.3*	0.0*	8.0*	11.8*
ENERGY*	0.0*	11.0*	11.0*	0.0*	37.0*	36.0*	0.0*	85.0*	85.0*	0.0*	37.0*	48.0*
0-19	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
20-49	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
50-99	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
>100	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
TOTAL	0*	3.8*	3.8*	0*	23.6*	23.6*	0*	27.1*	27.1*	0*	50.7*	54.5*
ENERGY	0.0*	11.0*	11.0*	0.0*	73.0*	73.0*	0.0*	136.0*	136.0*	0.0*	209.0*	220.0*

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)





FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG/ANNU. COST	ERC ECONOMIC			
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	DR. AREA	(D M. M)	(D M. M)	(80. MI)	STATUS	AVE. Q	PHR. MD.	INC. CAP.	INC. ENRG/ANNU. COST	ERC NON-ECONOMIC
ACTV DEPT	OWNER	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)
CODE	FILE	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)
STATUS	STATUS	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)	(M. M)
LACLMO003	BUNDICK CREEK	30 44.0	93 54	R	45.5	0	0	0	0	52.456	
LA00006	BEAUREGARD	30 44.0	93 54	OP	9200	20	180	0	20	290.65	
0 DRC I	STATE OF LA	208	208		11.9	20	180	0	20		
LACLMO004	KEPLER CREEK DAM	32 18.9	93 9.1	R	37.0	0	0	0	0	36.503	
LA00021	BIENVILLE	32 18.9	93 9.1	OP	50000	0	0	0	0	278048	
0 DRC I	STATE OF LA	46	46		24.7	0	0	0	0		
LACLMO007	BAYOU BODCAU DAM	32 42.2	93 30.7	CR	70.0	0	0	0	0	35.547	
LA00179	BOSSIER	32 42.2	93 30.7	OP	1197700	0	0	0	0	117983	
0 DRC I	DAEN LMN	656	656		2.9	0	0	0	0		
LACLMO005	LAKE BISTINEAU	32 19.5	93 25.6	RCS	46.0	0	0	0	0	656.78	1031
LA00002	BOSSIER	32 19.5	93 25.6	OP	318000	9366	20779	0	9366	31.608	1047
2 DRC I	STATE OF LA	1423	1423		30.3	9366	20779	0	9366		2017
LACLMO008	BLACK BAYOU DAM	32 52.8	93 53.6	RCC	30.0	0	0	0	0	35.602	
LA00003	CADDO	32 52.8	93 53.6	OP	33800	0	0	0	0	87111	
0 DRC I	STATE OF LA	231	231		9.9	0	0	0	0		
LACLMO010	CADDO DAM	32 42.4	93 55.1	NRS	30.0	0	0	0	0	38.994	
LA00181	CADDO	32 42.4	93 55.1	OP	390000	0	0	0	0	3988.4	
0 DRC I	CADDO LEVEE DISTRICT	2744	2744		9.9	1	9	0	1		
LACLMO009	WALLACE LAKE DAM	32 18.9	93 40.2	CR	48.0	0	0	0	0	35.621	
LA00180	CADDO	32 18.9	93 40.2	OP	267700	0	0	0	0	50900	
0 DRC I	DAEN LMN	260	260		14.2	0	0	0	0		
LAALMK0039	COLUMBIA LOCK AND DAM	32 10.0	92 6.6	N	35.0	0	0	0	0	1813.3	1006
LA00177	CALDWELL	32 10.0	92 6.6	OP	0	18615	98760	0	18615	10.362	1006
2 DRC Y	DAEN LMK	15630	15630		15.3	18615	98760	0	18615		1008
LAALMK0040	JONESVILLE LOCK AND DAM	31 29.0	91 51.7	N	46.0	0	0	0	0	1078.9	1001
LA00175	CATAHOULA	31 29.0	91 51.7	OP	0	13313	85083	0	13313	12.681	1001
2 DRC Y	DAEN LMK	24200	24200		21.8	13313	85083	0	13313		1004

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. G	PHR. MD.	TOT. CAP.	TOT. ENERGY	ERC COMPOSITE
CODE		(D M. H)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)
FILE		(D M. M)	(FT)	(KW)	(MWH)	(MWH)	(\$/MWH)
STATUS		(SQ. MI)		(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
							(SEQUENCE RANK)
LA00001	RED RIVER WATERWAY LOCK + DA	31 15.0	N	90.0	0	0	12424
LA00001	CATAHOULA RED RIVER	91 57.5	DP	0	11192	197475	62.918
0 DRC S	DAEN LMN	67530		9.9	11192	197475	
LA000013	HOO SHOD TOO RESERVOIR	30 21.6	C	37.0	0	0	7179.6
LA00010	EAST BATON R AMITE RIVER	90 57.2	IS	107000	12468	31014	231.49
0 DRC E	UNDEVELOPED SITE	1370		30.9	12468	31014	
LA000015	FELTXVILLE RESERVOIR	30 57.3	CR	82.3	0	0	14304
LA00007	EAST FELICIA AMITE RIVER	90 50.9	IS	0	8824	17927	797.90
0 DRC D	UNDEVELOPED SITE	551		42.9	8824	17927	
LA000016	DENHAM SPRINGS RESERVOIR	30 30.5	C	38.0	0	0	2793.5
LA00011	LIVINGSTON AMITE RIVER	90 58.0	IS	0	838	6254	446.66
0 DRC E	UNDEVELOPED SITE	973		21.1	838	6254	
LA000019	ALLEN-CHIVERY	31 50.9	RO	37.0	0	0	516.58
LA00004	NATCHITOCHES BAYOU BOURBEU	92 57.5	DP	280000	6223	15247	33.879
2 DRC I	STATE OF LA	1325		24.4	6223	15247	1035 1046 2025
LA000018	KISATCHIE BAYOU RESERVOIR	31 36.0	CIS	50.0	0	0	7450.2
LA00008	NATCHITOCHES KISATCHIE BAY	93 5.9	IS	287600	0	3	2167712
0 DRC I	UNDEVELOPED SITE	277		37.9	0	3	
LA000017	RED RIVER WATERWAY LOCK + DA	31 51.0	N	41.0	0	0	1782.1
LA00003	NATCHITOCHES RED RIVER	93 5.9	DP	0	20241	92640	19.237
2 DRC S	DAEN LMN	63407		17.3	20241	92640	1007 1007 1005
LA000020	SALTINE LAKE DAM	31 51.5	RO	23.0	0	0	37.178
LA00026	NATCHITOCHES SALINE BAYOU	92 56.9	DP	122000	0	0	47142
0 DRC I	STATE OF LA	420		6.6	0	0	
LA000023	RED RIVER WATERWAY LOCK + DA	31 29.0	N	47.0	0	0	3334.3
LA00004	RAPIDES RED RIVER	92 41.0	DP	0	34000	154810	21.538
2 DFC S	DAEN LMN	66860		21.2	34000	154810	1015 1015 1007





PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF MAINE

Table with columns for capacity ranges (0.05 MW to >100 MW) and metrics (NUMBER, CAPACITY, ENERGY, EXIST, UNDEV, INST, CAP, POTEN, INCR, TOTAL). Includes a 'TOTAL' row at the bottom.

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3) COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT) COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF MAINE

POTENTIAL INCREMENTAL CAPACITY RANGES											
	.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL	
	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*
	INST*	POTEN*	INCR*	INST*	POTEN*	INCR*	INST*	POTEN*	INCR*	INST*	POTEN*
	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*
	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*
0-19	12*	27*	19*	46*	0*	1*	2*	3*	0*	4*	5*
	CAPCTY*	26.0*	49.7*	77.9*	0.0*	18.1*	40.7*	58.8*	0.0*	62.8*	107.6*
	ENERGY*	147*	136*	176*	314*	0.0*	42.4*	99.1*	142*	147*	221.5*
20-49	42*	65*	11*	76*	1*	0*	0*	0*	2*	0*	2*
	CAPCTY*	190*	137*	16.5*	154*	0.0*	0.0*	0.0*	79.9*	0.0*	79.9*
	ENERGY*	1151*	647*	72.9*	114*	0.0*	0.0*	0.0*	139*	0.0*	139*
50-99	7*	10*	6*	16*	4*	0*	2*	2*	0*	0*	0*
	CAPCTY*	45.4*	45.0*	34.2*	73.0*	0.0*	38.8*	38.8*	0.0*	0.0*	0.0*
	ENERGY*	271*	140*	122*	262*	451*	144*	144*	0.0*	0.0*	0.0*
>100	0*	2*	1*	3*	0*	0*	0*	0*	3*	1*	3*
	CAPCTY*	0.0*	14.6*	1.0*	15.7*	0.0*	0.0*	0.0*	30.7*	38.5*	41.6*
	ENERGY*	0.0*	134*	6.4*	141*	0.0*	0.0*	0.0*	608*	842*	868*
TOTAL	61*	104*	37*	141*	5*	1*	4*	5*	4*	7*	11*
	CAPCTY*	261*	102*	327*	92.2*	18.1*	79.5*	97.7*	174*	146.1*	163.5*
	ENERGY*	1569*	1057*	389*	1446*	565*	243*	285*	313*	305.6*	336.9*

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	PROJ. PURP.	DAM HT.	EXIST. CAP.	ANUL. COST	ERC ECONOMIC
ACTV	DEP	NAME OF STREAM	MX. STOR.	INC. CAP.	INC. ENERGY	EXIST. ENRGY	ANUL. COST	ERC ECONOMIC	ERC ECONOMIC	ERC ECONOMIC
CODE			AVE. G	PMR. HD.	TOT. CAP.	TOT. ENRGY	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
			(CFS)	(AC FT)	(KWH)	(MWH)	(S/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
			(90 MI)	(FT)	(KWH)	(MWH)	(S/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
MEANED031	ME 121	AUBURN DAM	70 14.8	0	4746	12714	333.57	1213	1213	1213
2	DRC I	LITTLE HYERS WATER POWER CO.	350	38.0	4746	12714	26.236	1213	1213	1213
MEANED029	ME 119	BARKER HILL LD	44 4.9	0	0	0	364.20	1169	1169	1169
2	DRC I	ANDROSCOGGIN LT ANDROSG	70 13.0	0	6370	17063	21.343	1169	1169	1169
		H+L RUSSELL CO.	350	51.0	6370	17063				
MEANED030	ME 120	BARKER HILL UP	44 4.0	0	0	0	326.10	1226	1226	1226
2	DRC I	ANDROSCOGGIN LT ANDROSG	70 14.8	0	4303	11528	28.286	1226	1226	1226
		H+L RUSSELL CO.	335	36.0	4303	11528				
MEGNE002	ME60105	DEER RIPS	44 8.4	0	6540	27000	178.52	1025	1025	1025
2	DRC	ANDROSCOGGIN ANDROSCOGGIN	70 11.9	0	1982	37636	3.6805	1025	1025	1025
		CENTRAL MAINE POWER CO.	2900	36.0	8522	64636				
MEGNE003	ME60106	GULF ISLAND	44 9.0	56.0	19200	123000	716.61	1287	1287	1287
2	DRC	ANDROSCOGGIN ANDROSCOGGIN	70 12.6	0	7904	20044	35.751	1287	1287	1287
		CENTRAL MAINE POWER CO.	2860	56.0	27104	143044				
MEGNE004	ME60104	LEWISTON CANAL	44 5.9	54.0	15088	70812	52.230	1001	1001	1001
2	DRC	ANDROSCOGGIN ANDROSCOGGIN	70 13.1	0	1876	44553	1.1723	1001	1001	1001
		7 POWER PLANTS ALONG CANAL	2900	54.0	16964	115365				
MEGNE005	ME60107	LIVERMORE	44 28.2	31.0	6300	11100	0			
2	DRC	ANDROSCOGGIN ANDROSCOGGIN	70 11.4	0	0	0	0			
		INTERNATIONAL PAPER CO.	2662	30.9	6300	11100				
MEGNE006	ME60103	MAX MILLER + CO.	43 59.4	10.0	900	4500	56.848	1078	1078	1078
2	DRC	ANDROSCOGGIN ANDROSCOGGIN	70 3.5	0	447	6816	8.3405	1078	1078	1078
		UNKNOWN	3370	10.0	1347	11316				
MEGNE009	ME60124	MECHANIC FALLS	44 6.5	12.0	1280	2845	0			
2	DRC	ANDROSCOGGIN LITTLE ANDROSG	70 23.3	0	0	0	0			
		MARCAL PAPER MILLS	251	11.9	1280	2845				

FM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO. NAME OF STREAM	LATITUDE	LONGITUDE	DR AREA	DR AREA (D M M)	DR AREA (D M M)	DR AREA (SQ MI)	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENERGY	INC. ENERGY	MANUL. COST	ERC ECONOMIC		
					OWNER							STATUS	PURP.	HT	EXIST. CAP.	INC. CAP.	EXIST. ENERGY	INC. ENERGY	MANUL. COST	ERC ECONOMIC	
ME6NE0006				OTIS	ANDROSCOGGIN	44 28.8	70 11.9				24.0	H	2730	0	0	4400	30.269	1.2597		1002	
ME60108				ANDROSCOGGIN	ANDROSCOGGIN	44 28.8	70 11.9				24.0	OP	532	0	0	24028	1.2597			1002	
2 DRC				INTERNATIONAL PAPER CO.									3262	0	0	28428				1002	
MEANED032				ROGERS FIRER C		44 5.2	70 19.9				0	H	0	0	0	0	289.78	86.896		1524	
ME 123				ANDROSCOGGIN	LT ANDROSG.	44 5.2	70 19.9				75	OP	1216	0	0	3259				1524	
2 DRC				UNKNOWN			310				11.0		1216	0	0	3259				1524	
ME6NE0702				SAN CROFT		45 40.6	68 1.4				35.0	H	0	0	0	19942	334.10	16.753		2005	
ME99176				ARROSTOCK	MATTAWANKEAG	45 40.6	68 1.4				30.0	IS	3718	0	0	19942	16.753			2005	
2 DRC I							920						3718	0	0	19942				2005	
ME6NE07003				BIG BLACK RESERVOIR		46 55.2	69 35.3				75.0	H	0	0	0	29962	1017.4	33.957		2028	
ME99007				ARROSTOCK	BIG BLACK RIV	46 55.2	69 35.3				25000	IS	10859	0	0	29962	33.957			2028	
2 DRC I							539				66.0		10859	0	0	29962				2028	
ME6NE08067				CARTBUI DAM		46 50.9	68 0.0				15.0	H	800	0	0	5000	40.560	11.655		1108	
ME62232				ARROSTOCK	ARROSTOCK RIV	46 50.9	68 0.0				0	OP	347	0	0	3480	11.655			1108	
2 DRC				MAINE PUBLIC SERVICE CO.			1931				15.0		1147	0	0	6480				1108	
ME6NE07079				DICKEY/LINCOLN SCHOOL LAKES		47 5.9	69 1.1				335.0	HC	0	0	0	1183000	53235	45.0		2046	
ME49026				ARROSTOCK	ST. JOHN RIVE	47 5.9	69 1.1				0	FP	76000	0	0	1183000	45.0			2046	
2 DFA D				DAEN NED			2725				0		76000	0	0	1183000				2046	
ME6NE07080				DICKEY/LINCOLN SCHOOL LAKES		47 10.0	68 55.0				90.0	H	0	0	0	263000	11835	45.0		2047	
ME49026				ARROSTOCK	ST. JOHN RIVE	47 10.0	68 55.0				0	FP	70000	0	0	263000	45.0			2047	
2 DFA D				DAEN NED			4086				0		70000	0	0	263000				2047	
MEANED072				LTL MADAWASK D		46 52.0	67 56.9				0	H	0	0	0	4637	168.69	36.377		1289	
ME 2245				ARROSTOCK	L MADWSK R	46 52.0	67 56.9				0	OP	1089	0	0	4637	36.377			1289	
2 DRC I				USAF			250				32.0		1089	0	0	4637				1289	
MEANED7006				MASARDIS		46 29.4	68 24.5				100.0	H	0	0	0	36145	790.73	21.876		2009	
ME99023				ARROSTOCK	ARROSTOCK RIV	46 29.4	68 24.5				50000	IS	9533	0	0	36145	21.876			2009	
2 DRC I							601				85.0		9533	0	0	36145				2009	



FM 2 ID NO	PROJECT NAME	LATITUDE	DAM HT	EXIST.CAP.	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	LONGITUDE	PROJ.PURP.	STATUS	INC. CAP.	INC. ENERGY COST
ACTV DEP	OWNER	DR-AREA	MX.SYOR.	INC. CAP.	TOT. ENERGY	ERC COMPOSITE
CODE		(D.M.M)	(AC FT)	(KW)	(MWH)	(1000 \$)
FILE		(D.M.M)	(AC FT)	(KW)	(MWH)	(\$/MWH)
STATUS		(SQ.MI)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
			(CFS)	(KW)	(MWH)	(SEQUENCE RANK)
ME69175	PLEASANT LAKE	46 1.0	30.0	0	0	107.26
2	ARDSTOCK	68 7.5	2600	346	1363	78.646
		79	26.0	346	1363	2090
						2087
MEANED5071	SHERIDAN DAM	46 39.4	0	0	0	258.55
ME 2233	ARDSTOCK	68 24.1	0	893	432	58.325
2	INTERNATIONAL PAPER	1320	6.5	893	432	1416
						1416
MEINED8033	SQUAPAN LAKE	46 33.5	30.0	1500	7000	38.535
ME2282	ARDSTOCK	68 19.7	0	542	4803	8.231
2	MAINE PUBLIC SERVICE CO.	69	30.0	2042	2196	1075
						1075
MEANED8513	WHITNEY BROOK DAM	46 30.0	27.0	0	0	115.32
ME2319	ARDSTOCK	68 7.0	0	418	1617	71.278
2	UNKNOWN	90	27.0	418	1617	1472
						1472
MEGNE8001	BRUNSWICK	43 55.2	17.0	1473	10520	86.132
ME60100	CUMBERLAND	69 58.1	0	885	9289	9.2724
2	CENTRAL MAINE POWER CO.	3470	17.0	2358	19809	1094
						1094
MEGNE8047	CAROT MANUFACTURING CO.	43 55.2	38.0	12000	90000	83.358
ME60001	CUMBERLAND	69 56.9	0	1952	5154	16.173
2	PEJEPSCOT PAPER CO.	3410	38.0	13952	95154	1140
						1140
MEGNE8034	GORHAM FIVE	43 47.9	39.0	2250	11210	0
ME1307	CUMBERLAND	70 26.9	0	0	0	0
2	CENTRAL MAINE POWER CO.	440	38.9	2250	11210	1140
						1140
MEINED8057	GORHAM FOUR	43 46.7	36.0	2400	11500	0
ME1306	CUMBERLAND	70 27.6	0	0	0	0
2	UNKNOWN	443	35.9	2400	11500	1140
						1140
MEGNE8054	GORHAM ONE	43 44.4	16.0	1050	5100	0
ME1303	CUMBERLAND	70 25.2	0	0	0	0
2	S.D. WARREN CO.	503	15.9	1050	5100	1140
						1140

PM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	AVE. G	MPR. HD.	INC. CAP.	INC. ENERGY	TOT. ENERGY	ENERGY COST	ERC NON-ECONOMIC	
CODE	(D.M.M)	(D.M.M)	(C.FS)	(FT)	(KW)	(1000 \$)	(MWH)	(S/MWH)	ERC COMPOSITE	
FILE	(S.D.)	(S.D.)	(C.FS)	(FT)	(KW)	(1000 \$)	(MWH)	(S/MWH)	(SEQUENCE RANK)	
STATUS	(S.D.)	(S.D.)	(C.FS)	(FT)	(KW)	(1000 \$)	(MWH)	(S/MWH)	(SEQUENCE RANK)	
MEGNE0556	GORHAM THREE	CUMBERLAND	PRESUMPSCOT R	43 45.0	70 26.4	H	24.0	2000	0	2071
ME61305	S.D. WARREN CO.			43 45.0	70 26.4	OP	23.9	2000	0	2068
2 DFC				503				6400	0	2071
MEGNE0855	GORHAM TWO	CUMBERLAND	PRESUMPSCOT R	43 43.8	70 25.7	H	12.0	1000	0	1183
ME61304	S.D. WARREN CO.			43 43.8	70 25.7	OP	11.9	1000	0	1183
2 DFC				503				6399	0	1183
ME6NE07066	HIGHLAND RIPS	CUMBERLAND	SAGO RIVER	43 48.7	70 46.9	H	5.0	0	229.50	2071
ME99854				43 48.7	70 46.9	IS	200	707	53.617	2068
2 DRC I				1310			4.0	707	4264	2068
MECNE05100	STANDISH DAM	CUMBERLAND	EELWEIR CA	43 49.7	70 27.4	OP	0	0	389.73	1183
ME51308	PRESUMP WATER AND POWER CO.			43 49.7	70 27.4	OP	249700	6238	23.322	1183
2 DRC I				437			40.0	6238	16710	1183
MEGNE08053	WESTBROOK DAM TWO	CUMBERLAND	PRESUMPSCOT R	43 40.8	70 22.8	H	28.0	1350	11.988	1031
ME61302	S.D. WARREN CO.			43 40.8	70 22.8	OP	28.0	1505	4.1412	1031
2 DRC				551				8500	2895	1031
ME6NE07092	ABOVE PHILLIPS	FRANKLIN	SANDY RIVER	44 50.5	70 20.9	H	30.0	0	147.12	2073
ME99350				44 50.5	70 20.9	IS	500	678	56.125	2070
2 DRC I				131			26.0	678	2621	2070
MEANE08926	CENTRAL MAINE POWER CO.	FRANKLIN	KENNEBAGO LAK	45 6.5	70 46.0	0	24.0	0	168.76	1385
ME00204	UNKNOWN			45 6.5	70 46.0	OP	24.0	850	51.283	1385
2 DRC				112				3290	3290	1385
MECNE05138	CNTL ME PWR CO	FRANKLIN	KNEBAGO R	45 6.1	70 46.6	OP	0	0	190.7	1345
ME 200	RANGELY POWER CO.			45 6.1	70 46.6	OP	315	1123	43.84	1345
2 DRC I				146			25.0	1123	4411	1345
MEGNE08004	JAY	FRANKLIN	ANDROSCOGGIN	44 30.0	70 13.8	H	14.0	2250	0	0
ME61109	INTERNATIONAL PAPER CO.			44 30.0	70 13.8	OP	13.9	2250	0	0
2 DFC				2490				2250	14150	0

PM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	DR AREA	DR M.H.	DR M.H.	DR M.H.	DR M.H.	STATUS	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENERGY	INC. ENERGY	TOT. ENERGY	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)		
ME092517	KENNEBEC R.	45 33	71 01	146	0	105	32.0	0	OP	-348.8	0	1339	1339	0	5454	5454	0	169.70	1274	1274		
ME 199	FRANKLIN	71 01	146															34.230		2071	2071	
2 DRC I	BLACKBURN AND BAIRD																				1274	1274
ME6MED7053	MAPLEWOOD	44 44	70 12	190	24.0	5000	20.0	0	H		24.0	0	732	732	0	2971	2971	167.99	56.542	2074	2074	
ME9381	FRANKLIN	70 12	190																		2074	2074
2 DRC I	SANDY RIVER																				2074	2074
MEANED3149	N RR DEAD R DM	45 13	70 28	236	16.0	540	16.0	0	OP	-478.2	16.0	0	610	610	0	2714	2714	169.91	62.588	1433	1433	
ME 561	FRANKLIN	45 13	70 28																		1433	1433
2 DRC I	EUSTIS MANUFACTURING CO.																				1433	1433
MEANED3001	OTIS	44 30	70 13	2490	24.0	39589	24.0	0	OP	-4527.5	24.0	0	39589	39589	0	68820	68820	3442.8	50.26	1372	1372	
ME00236	FRANKLIN	44 30	70 13																		1372	1372
2 DRC	UNKNOWN																				1372	1372
MEANED9075	RILEY INTER PA	44 30	70 15	2440	25.0	40410	25.0	0	OP	-4436.6	25.0	0	40410	40410	0	70248	70248	3374.9	48.43	1364	1364	
ME 110	FRANKLIN	44 30	70 15																		1364	1364
2 DRC I	INTERNATIONAL PAPER																				1364	1364
MEANED9009	BANGOR HYDRO	44 32	68 25	460	60.0	8900	60.0	0	H		60.0	0	8900	8900	0	31155	31155	0	0			
ME64400	HANCOCK	44 32	68 25																			
2 DFC	BANGOR HYDRO ELECTRIC CO.																					
MEANED5002	GRAHAM LAKE	44 35	68 26	452	23.0	1388	23.0	0	OP	-766.3	23.0	0	1388	1388	0	7717	7717	219.31	28.419	1227	1227	
ME04401	HANCOCK	44 35	68 26																		1227	1227
2 DRC	BANGOR HYDRO																				1227	1227
MEANED7009	MARTAVILLE FALLS	44 47	68 23	150	45.0	8000	30.0	0	H		45.0	0	1212	1212	0	4955	4955	166.45	33.589	2024	2024	
ME99102	HANCOCK	44 47	68 23																		2024	2024
2 DRC I	WEST BRANCH																				2024	2024
MEANED9074	AMRCNTSSUEMILL	44 13	69 46	220	28.12	4113	28.12	0	OP	-349.1	28.12	0	4113	4113	0	7884	7884	315.8	39.964	1322	1322	
ME 415	KENNEBEC	44 13	69 46																		1322	1322
2 DRC I	AMERICAN TISSUE MILLS																				1322	1322



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	MX. STOR.	PHR. HD.	PHR. HD.	AVE. Q	PHR. HD.	PHR. HD.	PHR. HD.	PHR. HD.	PHR. HD.	PHR. HD.
CODE	FILE	(D M. N)	(D M. N)	(D M. N)	(D M. N)	(CFS)	(AC FT)	(KW)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
STATUS		(SQ. MI)	(FT)	(FT)	(FT)					(MWH)	(\$/MWH)	(SEQUENCE RANK)
MEMNED5004	SNOW POND	KENNEBEC	MESSALONSKEE	44 32.3	69 43.1	0	25.0	2211	2211	4237	274.30	1444
2	DRC	CENTRAL MAINE POWER CO.				OP	25.0	1556	1556	4237	64.735	1444
MEANED505	SPEARS MILL DAM	KENNEBEC	COBBOSECONTE	44 11.7	69 54.0	0	20.0	0	0	2983	246.30	1510
2	DRC	UNKNOWN		154		OP	20.0	1556	1556	2983	82.570	1510
MEGNE0019	UNION GAS	KENNEBEC	MESSALONSKEE	44 32.3	69 39.0	H	39.0	1500	1500	3900	9.5240	1024
2	DRC	CENTRAL MAINE POWER CO.				OP	39.0	1661	1661	6492	3.6743	1024
MEMNED5003	YORKTOWN PAPER MILL	KENNEBEC	COBBOSECONTE	44 13.8	69 47.3	0	18.0	2001	2001	3835	302.86	1498
2	DRC	AMERICAN TISSUE		220		OP	18.0	2001	2001	3835	78.967	1498
MEONED538	CRAWFORD POND OUT 2	KNOX	CRAWFORD POND	44 11.2	69 16.0	0	40.0	0	0	880	76.476	1525
2	DRC	UNKNOWN		30		OP	40.0	224	224	880	86.899	1525
MEONED5211	SENEBEC PD OUT	KNOX	SENEBEC PD	44 13.9	69 16.8	0	135.0	2051	2051	3932	227.59	1413
2	DRC	DEPOSITORS TRUST CO.		116		OP	35.0	2051	2051	3932	57.881	1413
MECNED5269	AZACOHOS DAM	OXFORD	MAGALLOWAY	44 56.6	70 59.8	C	0	0	0	0	162.89	1160
2	DRC	ANDROSCOGGIN RESERVOIR CO.		215		OP	55.0	1559	1559	8167	19.943	1160
ME6NED7042	DIXFIELD	OXFORD	WEBB RIVER	44 33.0	70 27.5	H	20.0	0	0	0	135.69	2098
2	DRC			125		IS	17.0	405	405	1636	82.903	2098
MEGNE0029	HIRAM FALLS	OXFORD	SACD RIVER	43 50.9	70 46.0	H	78.0	2400	2400	22499	0	0
2	DRC	CENTRAL MAINE POWER CO.		832		OP	77.9	2400	2400	22499	0	0

PM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
1	2	3	4	5	6	7	8	9	10	11	12	13	14
DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA
(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)
(S.M)	(S.M)	(S.M)	(S.M)	(S.M)	(S.M)	(S.M)	(S.M)	(S.M)	(S.M)	(S.M)	(S.M)	(S.M)	(S.M)
AVG. Q	AVG. Q	AVG. Q	AVG. Q	AVG. Q	AVG. Q	AVG. Q	AVG. Q	AVG. Q	AVG. Q	AVG. Q	AVG. Q	AVG. Q	AVG. Q
(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)
DR. AREA	DR. AREA	DR. AREA	DR. AREA	DR. AREA	DR. AREA	DR. AREA	DR. AREA	DR. AREA	DR. AREA	DR. AREA	DR. AREA	DR. AREA	DR. AREA
(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)
(KW)	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)
TOT. CAP.	TOT. CAP.	TOT. CAP.	TOT. CAP.	TOT. CAP.	TOT. CAP.	TOT. CAP.	TOT. CAP.	TOT. CAP.	TOT. CAP.	TOT. CAP.	TOT. CAP.	TOT. CAP.	TOT. CAP.
(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)
TOT. ENRG	TOT. ENRG	TOT. ENRG	TOT. ENRG	TOT. ENRG	TOT. ENRG	TOT. ENRG	TOT. ENRG	TOT. ENRG	TOT. ENRG	TOT. ENRG	TOT. ENRG	TOT. ENRG	TOT. ENRG
(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)
(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)
INC. ENERGY COST	INC. ENERGY COST	INC. ENERGY COST	INC. ENERGY COST	INC. ENERGY COST	INC. ENERGY COST	INC. ENERGY COST	INC. ENERGY COST	INC. ENERGY COST	INC. ENERGY COST	INC. ENERGY COST	INC. ENERGY COST	INC. ENERGY COST	INC. ENERGY COST
(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)
(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)
EXIST. ENRG	EXIST. ENRG	EXIST. ENRG	EXIST. ENRG	EXIST. ENRG	EXIST. ENRG	EXIST. ENRG	EXIST. ENRG	EXIST. ENRG	EXIST. ENRG	EXIST. ENRG	EXIST. ENRG	EXIST. ENRG	EXIST. ENRG
(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)
(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)
ANUL. COST	ANUL. COST	ANUL. COST	ANUL. COST	ANUL. COST	ANUL. COST	ANUL. COST	ANUL. COST	ANUL. COST	ANUL. COST	ANUL. COST	ANUL. COST	ANUL. COST	ANUL. COST
(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)
(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)
ERC ECONOMIC	ERC ECONOMIC	ERC ECONOMIC	ERC ECONOMIC	ERC ECONOMIC	ERC ECONOMIC	ERC ECONOMIC	ERC ECONOMIC	ERC ECONOMIC	ERC ECONOMIC	ERC ECONOMIC	ERC ECONOMIC	ERC ECONOMIC	ERC ECONOMIC
(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)
(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)
ME6NE07065				HTRAM SITE NO.2	OXFORD	43 53.8	70 49.2	H	18	0	429	177.49	2080
ME99553				SACO RIVER	OXFORD	70 49.2	795	H	18	429	68.343	2080	2080
MECNE0270				M DM UN WTR PR	OXFORD	44 46.5	509	H	0	0	0	644.57	1182
ME197				RCHDSN LKS	OXFORD	70 54.7	509	OP	0	12701	23.269	1182	1182
ME6NE0007				MIDDLE	OXFORD	44 32.3	97.0	H	0	21970	1139.5	1363	1363
ME60112				ANDROSCOGGIN	OXFORD	70 33.0	0	OP	0	8013	47.755	1363	1363
ME2 DRC I				RUMFORD FALLS POWER CO	OXFORD	70 20.0	97.0	H	0	29983	176861	1363	1363
ME6NE07058				PLEASANT RIVER	OXFORD	44 24.2	1670	H	0	0	607.68	2091	2088
ME99855				ANDROSCOGGIN	OXFORD	70 52.2	405	H	18	4425	79.12	2088	2088
ME2 DRC I				ANDROSCOGGIN	OXFORD	70 52.2	1670	H	18	4425	79.12	2088	2088
MEANE0271				RICH UPPER	OXFORD	44 52.9	405	H	0	0	434.57	1350	1350
ME198				RAPID R.	OXFORD	70 51.8	405	H	0	4515	44.128	1350	1350
ME2 DRC I				UNION WATER OYER CO.	OXFORD	70 51.8	405	H	0	4515	44.128	1350	1350
ME6NE05005				SWAN FALLS	OXFORD	44 2.3	516	H	0	0	231.5	1406	1406
ME01609				SACO RIVER	OXFORD	70 58.8	516	OP	0	717	57.214	1406	1406
ME2 DRC I				SWAN FALLS CORP.	OXFORD	70 58.8	516	OP	0	717	57.214	1406	1406
ME6NE08008				THIRD FALLS	OXFORD	44 32.3	2090	H	0	12800	0	2010	2010
ME60111				ANDROSCOGGIN	OXFORD	70 33.0	2090	OP	0	1053	22.670	2010	2010
ME2 DFC				RUMFORD FALLS POWER CO.	OXFORD	70 33.0	2090	OP	0	1053	22.670	2010	2010
ME6NE07060				8RVE	OXFORD	44 37.5	120	H	0	0	145.38	1053	1053
ME99461				SWIFT RIVER	OXFORD	70 34.9	120	H	18	1053	6.498	1053	1053
ME2 DRC I				SWIFT RIVER	OXFORD	70 34.9	120	H	18	1053	6.498	1053	1053
ME6NE08035				BANGOR HYDRO	BANGOR	44 49.7	7710	H	0	2332	263.87	1053	1053
ME60702				PENNSCOT	BANGOR	68 41.9	7710	OP	0	4711	6.498	1053	1053
ME2 DRC				BANGOR HYDRO	BANGOR	68 41.9	7710	OP	0	4711	6.498	1053	1053

FM 2 ID NO	PROJECT NAME	LAITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CN.	NAME OF STREAM	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR.AREA	AVE. Q	PWR. MD.	TOT. CAP.	TOT.ENERG		ERC COMPOSITE
CODE		(D.M.M)	(CFS)	(KW)	(KW)	(MMH)	(1000 \$)	(SEQUENCE RANK)
FILE		(D.M.M)	(AC FT)	(KW)	(MMH)	(MMH)	(\$/MMH)	(SEQUENCE RANK)
STATUS		(SQ.MI)	(FT)	(KW)	(MMH)	(MMH)		(SEQUENCE RANK)
MEGNE08036	BANGOR HYDRO	STILLWATER	H	20.0	1950	13900	193.42	1058
MEG0703	PENOBSCOT	STILLWATER RIV	DP	3080	3080	30112	6.4233	1058
2	DRC	7710	-13802.8	20.0	5030	44012		1058
MEGNE08039	BANGOR HYDRO	HOWLAND	H	21.0	1875	11000	0	
MEG0773	PENOBSCOT	PISCATAQUIS R	OP	0	0	0	0	
2	DRC	1500	-3114.4	20.9	1875	11000		
MEGNE08058	BANGOR HYDRO		H	27.0	8400	64000	0	
MEG0701	PENOBSCOT	PENOBSCOT RIV	OP	0	0	0	0	
2	DRC	7730	-13893.9	26.9	8400	64000		
MEGNE08060	BANGOR HYDRO		H	25.0	6400	52000	138.13	1069
MEG0706	PENOBSCOT	PENOBSCOT RIV	OP	0	1702	18460	7.4826	1069
2	DRC	7380	-13212.1	25.0	8102	70460		1069
MEMNE0006	BANGOR HYDRO		O	5.0	0	0	2155.4	1378
MEM0704	PENOBSCOT	STILLWATER RIV	OP	0	18117	42475	50.745	1378
2	DRC	7606	-13616.7	5.0	18117	42475		1378
ME6NE07033	BASTN MILLS		H	6.0	0	0	2185.2	2062
ME99190	PENOBSCOT	PENOBSCOT RIV	IS	300	18365	43057	50.752	2060
2	DRC I	7710	-13802.8	5.0	18365	43057		2060
ME6NE07013	BEAR RAPIDS		H	30.0	0	0	348.74	2007
ME99163	PENOBSCOT	EAST BRANCH P	IS	12000	3593	18687	18.661	2007
2	DRC I	970	-1746.1	26.0	3593	18687		2007
ME6NE07032	BRADFORD		H	20.0	0	0	116.15	2100
ME99189	PENOBSCOT	PUSHAW STREAM	IS	5000	293	1310	88.635	2097
2	DRC I	94	-172.8	17.0	293	1310		2097
MEMNE0304	CITY OF BANGOR		O	0	0	0	6947.5	1361
ME 700	PENOBSCOT	CITY OF BANGOR	OP	2405	62847	147339	47.153	1361
2	DRC	7760	-13892.4	17.0	62847	147339		1361

PH 2 ID NO	PROJECT NAME	PRIMRY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG. ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	MX. STOR.	AVE. 0	PRM. HD.	INC. CAP.	INC. CAP.	TOT. CAP.	INC. ENERGY	ERC NON-ECONOMIC
CODE			(D.M.M)	(D.M.M)	(D.M.M)	(KW)	(KW)	(KW)	(MWH)	ERC COMPOSITE
FILE			(90.MI)	(AC FT)	(AC FT)	(KW)	(KW)	(KW)	(MWH)	(SEQUENCE RANK)
STATUS			(CFS)	(FT)	(FT)	(KW)	(KW)	(KW)	(MWH)	(SEQUENCE RANK)
MEGNE0059	DIAMOND INTERNATIONAL	H	44 55.2	17.0	17.0	4880	20000	20000	66.164	1011
ME60705	PENOBSCOT	OP	68 37.8	0	0	732	27271	27271	2.4262	1011
2 DRC	DIAMOND INTERNATIONAL					5432	47271	47271		1011
MEINED0042	DOLBY	H	45 37.8	54.0	54.0	14100	94500	94500	238.10	2107
ME60864	PENOBSCOT	OP	68 36.6	0	0	6704	1280	1280	186.2	2104
2 DRC	GREAT NORTHERN PAPER CO.					20804	93219	93219		2104
MEGNE0041	EAST MILLNOCKET-MILL TWO	H	45 37.1	29.0	29.0	7370	46300	46300	170.64	1389
ME60863	PENOBSCOT	OP	68 34.7	0	0	3477	3254	3254	52.440	1389
2 DRC	GREAT NORTHERN PAPER CO.					10847	49554	49554		1389
MEGNE07028	GRAND FALLS	H	45 10.1	60.0	60.0	0	0	0	162.40	2006
ME99182	PENOBSCOT	IS	68 17.4	60000	60000	1450	8801	8801	18.452	2006
2 DRC I	PASSADUNKEAG					1450	8801	8801		2006
MEANED0316	GRAND LAKE DAM	H	46 8.5	25.0	25.0	0	0	0	199.9	1217
ME 847	PENOBSCOT	OP	68 47.5	35000	35000	1235	7466	7466	26.665	1217
2 DRC I	EAST BRANCH IMPROVEMENT CO.					1235	7466	7466		1217
MEGNE08045	GREAT WORKS	H	44 54.6	17.0	17.0	5554	29695	29695	0	2031
ME60904	PENOBSCOT	OP	68 37.1	0	0	0	0	0	0	2031
2 DFC	PENOBSCOT CHEMICAL					5554	29695	29695		2031
ME6NED7015	LEDGE FALLS	H	45 37.4	20.0	20.0	0	0	0	684.30	2031
ME99166	PENOBSCOT	IS	68 32.4	8000	8000	6481	19114	19114	35.799	2031
2 DRC I	EAST BRANCH P					6481	19114	19114		2031
MEANED0312	LINCOLN PLPPR	H	45 11.8	0	0	0	0	0	175.18	1315
ME 760	PENOBSCOT	OP	68 27.7	0	0	803	4468	4468	39.201	1315
2 DRC I	LINCOLN PULP AND PAPER CO.					803	4468	4468		1315
ME6NED7031	MARSH ISLAND	H	44 53.3	15.0	15.0	0	0	0	6617.6	2074
ME99187	PENOBSCOT	IS	68 39.0	1000	1000	46325	108608	108608	60.930	2074
2 DRC I	PENOBSCOT RIV					46325	108608	108608		2074



FM 2 ID NO	PROJECT NAME	DR. AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAH HT	EXIST. CAP.	ANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMRY CO. OWNER	(D M.M)	(D M.M)	(D M.M)	STATUS	MX STOR.	INC. CAP.	ENERGY COST	ERC NON-ECONOMIC
CODE		(M.M)	(M.M)	(M.M)	AVE. G	PR. HD.	TOT. CAP.	(1000 \$)	(SEQUENCE RANK)
FILE		(M.M)	(M.M)	(M.M)	(CFB)	(AC FT)	(KW)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(M.M)	(M.M)	(M.M)	(PT)	(KW)	(KW)	(MWH)	(SEQUENCE RANK)
ME6NED038	MATTASEUNKERN	45 34.1	68 24.5	39.0	H	19200	114000	0	2033
ME60708	PENBNSCOT	45 34.1	68 24.5	39.0	OP	0	114000	0	2033
2 DFC	GREAT NORTHERN PAPER CO.	3355	3355	38.9	H	19200	114000	0	2033
ME6NED014	MEADOW BROOK	45 41.5	68 35.1	20.0	H	0	0	684.30	2033
ME69165	PENBNSCOT	45 41.5	68 35.1	20.0	IS	6481	19092	35.840	2033
2 DRC I	UNKNOWN	1100	1100	17.0	H	6481	19092	35.840	2033
ME6NED043	NORTH TWIN	45 37.8	68 46.8	37.0	H	8200	43000	160.93	1111
ME60866	PENBNSCOT	45 37.8	68 46.8	37.0	OP	4167	13495	11.925	1111
2 DRC	UNKNOWN	1864	1864	37.0	H	12367	56495	11.925	1111
ME6NED011	POND PITCH	46 4.3	68 45.9	94.0	H	0	0	1199.9	2012
ME69154	PENBNSCOT	46 4.3	68 45.9	94.0	IS	17190	50818	23.612	2012
2 DRC I	UNKNOWN	620	620	80.0	H	17190	50818	23.612	2012
ME6NED040	ROCKABEMA-MEDWAY	45 36.5	68 33.0	24.0	H	3440	34000	55.413	1132
ME60862	PENBNSCOT	45 36.5	68 33.0	24.0	OP	1346	3684	15.41	1132
2 DRC	BANGOR HYDRO	2100	2100	24.0	H	4786	30315	15.41	1132
ME6NED029	SARONAC	45 10.3	68 24.4	15.0	H	0	0	161.6	2078
ME69183	PENBNSCOT	45 10.3	68 24.4	15.0	IS	443	2605	61.827	2078
2 DRC I	UNKNOWN	272	272	13.0	H	443	2605	61.827	2078
ME6NED038	SERREIS	45 20.8	68 42.4	20.0	H	0	0	121.58	2082
ME69208	PENBNSCOT	45 20.8	68 42.4	20.0	IS	323	1796	67.664	2082
2 DRC I	UNKNOWN	138	138	17.0	H	323	1796	67.664	2082
ME6NED030	SPENCER RAPIDS	45 6.3	68 38.6	5.0	H	0	0	1662.0	2063
ME69185	PENBNSCOT	45 6.3	68 38.6	5.0	IS	13625	31949	52.20	2063
2 DRC I	UNKNOWN	7150	7150	4.0	H	13625	31949	52.20	2063
ME6NED037	STANFORD DAM	45 15.5	68 38.3	20.0	H	3600	29000	28.864	1017
ME60707	PENBNSCOT	45 15.5	68 38.3	20.0	OP	1558	9132	3.1607	1017
2 DRC	BANGOR HYDRO	6680	6680	20.0	H	4358	38132	3.1607	1017

FM 2 ID NO	PROJECT NAME	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	INC. CAP.	INC. ENRG COST	TOT. ENRG	TOT. ENRG (MWH)	TOT. CAP.	TOT. CAP. (MW)	ENERGY (1000 \$)	ENERGY (S/MWH)	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE
ACTV DEP	PRIMRY CO. NAME OF STREAM	DR. AREA (SQ. MI)	DR. AREA (SQ. MI)	STATUS	MX. STUR. (AC FT)	AVE. Q (CFS)	AVE. Q (CFS)	AVE. Q (CFS)	AVE. Q (CFS)	AVE. Q (CFS)	AVE. Q (CFS)	AVE. Q (CFS)	AVE. Q (CFS)	AVE. Q (CFS)	AVE. Q (CFS)	AVE. Q (CFS)	AVE. Q (CFS)	AVE. Q (CFS)
FILE	OWNER	(D M.M)	(D M.M)	(PT)	(AC FT)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)
STATUS	DR. AREA (SQ. MI)	(D M.M)	(D M.M)	(PT)	(AC FT)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)
ME99162	WHEYSTONE	45 51.9	68 37.4	H	190.0	1100000	1100000	1100000	1100000	1100000	1100000	1100000	1100000	1100000	1100000	2002	2002	2002
2 DRC I	PENNSBROT	957	957	H	162.0	-1722.7	162.0	162.0	162.0	162.0	162.0	162.0	162.0	162.0	162.0	2002	2002	2002
ME99200	ARNOVE FOXCROFT	45 10.7	69 15.6	H	20.0		20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	2059	2059	2059
2 DRC I	PISCATAQUIS	350	350	IS	17.0	-710.1	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	2057	2057	2057
ME99203	ABOVE MILN	45 15.7	69 0.4	H	15.0		15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	2070	2070	2070
2 DRC I	PISCATAQUIS	390	390	IS	13.0	-848.8	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	2067	2067	2067
ME99173	DEBACONEAG	45 46.9	68 56.2	H	20.0		20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	2011	2011	2011
2 DRC I	PISCATAQUIS	1580	1580	IS	17.0	-2844.1	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	2011	2011	2011
ME99068	DOVER-FOXCROFT ONE	45 10.8	69 13.8	H	22.0		22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	1106	1106	1106
2 DRC	PISCATAQUIS	352	352	DP	22.0	-714.2	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	1106	1106	1106
ME99074	AMERICAN WOOLEN CO. INC.	45 10.9	69 13.1	H	0		0	0	0	0	0	0	0	0	0	1388	1388	1388
2 DRC I	PISCATAQUIS	352	352	DP	16.0	-714.2	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	1388	1388	1388
ME99037	DVR FCFT TWO	45 10.9	69 13.1	H	0		0	0	0	0	0	0	0	0	0	1466	1466	1466
2 DRC I	PISCATAQUIS	352	352	DP	78	-714.2	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	1466	1466	1466
ME99328	DVR FCFT WT OT	45 10.9	69 13.8	H	0		0	0	0	0	0	0	0	0	0	1466	1466	1466
2 DRC I	PISCATAQUIS	352	352	DP	12.0	-714.2	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	1466	1466	1466
ME99204	EBEEMEE LAKE	45 25.3	69 1.9	H	25.0		25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	2093	2093	2093
2 DRC I	PISCATAQUIS	87	87	IS	21.0	-176.5	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	2093	2093	2093
ME99166	FOXHOLE RIPS	45 57.8	69 31.4	H	39.0		39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	2003	2003	2003
2 DRC I	PISCATAQUIS	750	750	IS	33.0	-1164.5	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	2003	2003	2003



PM 2 ID NO	PROJECT NAME	STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. ENRGY	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME	OF	DR. AREA	DR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRGY	ERC NON-ECONOMIC
ACTV CODE	OWNER		(D.M.M.)	(D.M.M.)	AVE. G	(FT)	(KW)	(\$/MWH)	ERC COMPOSITE
FILE			(S.M.MI)	(S.M.MI)	(CFS)	(AC FT)	(KW)	(\$/MWH)	(SEQUENCE RANK)
STATUS			(S.MI)	(S.MI)		(FT)	(KW)	(\$/MWH)	(SEQUENCE RANK)
MEANED5340	TWN HILO MILOD	SESEC RVR	45 15.1	68 9.3	OP	612	0	190.96	1451
ME 790	PISCATAQUIS		407	10.0			2884	66.213	1451
2 DRC I	TOWN OF MTLD								
MEANED7010	WERSTER LAKE		46 9.8	65.0	H		0	181.48	2004
ME99151	PISCATAQUIS	WERSTER BROOK	69 3.3	40000	IS		11219	16.176	2004
2 DRC I			288	55.0			11219		2004
MEGNEDE8061	CENTRAL MAINE POWER CO.		43 55.2	20.0	H		900	51.131	1098
ME60101	SAGADAHOC	ANDROSCOGGIN	69 58.1	0	OP		547	9.7466	1098
2 DRC	CENTRAL MAINE POWER CO.		3430	20.0			1447	12526	1098
MEGNEDE8048	PEJEPSCOT PAPER CO.		43 57.6	23.0	H		2500	38.780	1105
ME60102	SAGADAHOC	ANDROSCOGGIN	70 1.1	0	OP		537	10.644	1105
2 DRC	ANDROSCOGGIN WATER POWER CO.		3420	23.0			3037	25576	1105
MEGNEDE8014	ABENAKI ?LOWERS	KENNEBEC RIVER	44 47.3	48.0	H		3650	25.985	1021
ME60405	SOMERSET	KENNEBEC RIVER PULP AND PAPER	69 53.3	0	OP		724	3.53366	1021
2 DRC	KENNEBEC RIVER PULP AND PAPER		3230	48.0			4374	36211	1021
MEGNEDE5353	ANDERSON MILS D	KENNEREC R	44 45.5	25.0	H		0	3084.4	1337
ME20052	SOMERSET	OLD HILL ANTIQUE SHOP	69 42.4	0	IS		14877	42.415	1337
2 DRC I	OLD HILL ANTIQUE SHOP		3950	25.0			14877		1337
MEGNEDE8015	ANSON ZUPPER&	KENNEBEC RIVER	44 47.9	25.0	H		6000	71.949	1037
ME60406	SOMERSET	KENNEBEC RIVER PULP AND PAPER	69 53.3	0	OP		861	4.5636	1037
2 DRC	KENNEBEC RIVER PULP AND PAPER		3230	25.0			6861	54857	1037
ME6NEDE7040	ATTYAN POND	MOOSE RIVER	45 35.3	19.0	H		0	188.97	2076
ME99301	SOMERSET		70 15.6	110000	IS		726	57.532	2073
2 DRC I			278	15.0			726		2073
ME6NEDE7001	BATLEY BROOK DEADWATER		46 27.1	40.0	H		0	165.90	2025
ME99002	SOMERSET	BAKER BRANCH	69 56.1	100000	IS		1083	33.662	2025
2 DRC I			244	34.0			1083		2025



PM 2 ID NO	PM 1 ID NO	ACTV CODE	FILE STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	
						OWNER	DR. AREA	(D M.M)	MX. STOR.	(FT)	(KW)	(KW)	(KW)	(MWH)	(1000 \$)	ERC NON-ECONOMIC	
							(SQ. MI)	(AC FT)	(CFS)	(FT)	(KW)	(KW)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)	
ME6NED7041	ME6NED7041	2	DRC I	MOOSE RIVER	SOMERSET	MOOSE RIVER	45 37.0	69 58.0	H	17.0	0	950	950	0	216.26	2042	2040
ME6NED7042	ME6NED7042	2	DRC I	SOMERSET	SOMERSET	MOOSE RIVER	45 37.0	69 58.0	IS	15.0	950	950	950	5321	40.641	2042	2040
ME6NED7043	ME6NED7043	2	DRC I	MOXIE POND DAM	SOMERSET	MOXIE POND	45 21.5	69 51.8	0	21.0	0	345	345	0	115.54	1523	1523
ME6NED7044	ME6NED7044	2	DRC I	UNKNOWN	UNKNOWN	UNKNOWN	69 51.8	69 51.8	OP	21.0	0	345	345	1343	86.26	1523	1523
ME6NED7071	ME6NED7071	2	DRC I	PIERCE POND	SOMERSET	PIERCE POND	45 14.3	70 3.0	H	35.0	0	22000	22000	0	4287.2	2001	2001
ME6NED7072	ME6NED7072	2	DRC I	SOMERSET	SOMERSET	PIERCE POND	45 14.3	70 3.0	IS	10000	22000	22000	22000	459000	9.3403	2001	2001
ME6NED7051	ME6NED7051	2	DRC I	PITTSFIELD	SOMERSET	SABASTICOOK R	44 45.0	69 20.5	H	10.0	0	534	534	0	198.55	2081	2081
ME6NED7052	ME6NED7052	2	DRC I	SOMERSET	SOMERSET	SABASTICOOK R	44 45.0	69 20.5	IS	40000	534	534	534	2904	68.358	2081	2081
ME6NED8023	ME6NED8023	2	DRC I	SANDY RIVER	SOMERSET	SANDY RIVER	44 43.8	69 54.0	H	17.0	500	500	500	3000	42.176	1165	1165
ME6NED8024	ME6NED8024	2	DRC I	TOWN OF MADISON	SOMERSET	SANDY RIVER	44 43.8	69 54.0	OP	0	331	331	331	1995	21.141	1165	1165
ME6NED5395	ME6NED5395	2	DRC I	SERDHOOK L DM	SOMERSET	SERDHOOK LK	45 54.6	69 44.1	C	0	0	0	0	0	597.69	1277	1277
ME6NED7049	ME6NED7049	2	DRC I	SOUTH MADISON	SOMERSET	KENNEBEC RIVER	44 46.6	69 53.2	OP	122995	8266	8266	8266	17309	34.529	2046	2044
ME6NED7043	ME6NED7043	2	DRC I	STEPSIDE	SOMERSET	KENNEBEC RIVER	44 46.6	69 53.2	H	20.0	0	22370	22370	0	2462.9	2046	2044
ME6NED7055	ME6NED7055	2	DRC I	TAYLOR	SOMERSET	CARRABASSETT	45 21.2	69 57.4	H	160.0	0	111348	111348	0	6235.6	2016	2016
ME6NED7056	ME6NED7056	2	DRC I	SOMERSET	SOMERSET	CARRABASSETT	45 21.2	69 57.4	IS	12000	111348	111348	111348	221229	28.186	2016	2016
ME6NED7057	ME6NED7057	2	DRC I	SOMERSET	SOMERSET	CARRABASSETT	45 21.2	69 57.4	IS	136.0	111348	111348	111348	221229	28.186	2016	2016
ME6NED7058	ME6NED7058	2	DRC I	SOMERSET	SOMERSET	CARRABASSETT	44 55.4	70 7.5	H	20.0	0	601	601	0	164.85	2080	2080
ME6NED7059	ME6NED7059	2	DRC I	SOMERSET	SOMERSET	CARRABASSETT	44 55.4	70 7.5	IS	6000	601	601	601	2627	62.733	2077	2077
ME6NED7060	ME6NED7060	2	DRC I	SOMERSET	SOMERSET	CARRABASSETT	44 55.4	70 7.5	IS	17.0	601	601	601	2627	62.733	2077	2077

FM 2 ID NO	PROJECT NAME	DR AREA	LONGITUDE	LATITUDE	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
ACTV DEP	PRIMRY CO.-OWNER	(D M.M)	(D M.M)	(D M.M)	STATUS	MX-STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NON-ECONOMIC
CODE	OWNER	(M)	(M)	(M)	AVE. 0	PHR. HD.	TOT. CAP.	TOT.ENERG	(1000 \$)	ERC COMPOSITE
FILE		(M)	(M)	(M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(M)	(M)	(M)	(CFS)	(FT)	(KW)	(MWH)		(SEQUENCE RANK)
MEGNE07046	THE FORKS	45 16.8	45 16.8	45 16.8	H	20.0	0	0	2431.5	2081
ME99314	SOMERSET	69 59.6	69 59.6	69 59.6	IS	1500	6647	37208	65.348	2078
2 DRC I		2470	2470	2470	-4041.5	17.0	6647	37208		2078
ME995382	TOWN OF PITTSFIELD	44 47.7	44 47.7	44 47.7		0	0	0	196.89	1407
ME 462	SOMERSET	69 23.2	69 23.2	69 23.2	OP	3012	792	3432	57.365	1407
2 DRC I	TOWN OF PITTSFIELD	320	320	320	-649.2	15.0	792	3432		1407
ME980013	WESTON	44 46.1	44 46.1	44 46.1	H	36.0	12000	77500	0	
ME90404	SOMERSET	69 43.1	69 43.1	69 43.1	OP	0	0	0	0	
2 DFC	CENTRAL MAINE POWER CO.	3950	3950	3950	-6647.3	37.9	12000	77500		
ME980016	WILLIAMS STATION	44 57.6	44 57.6	44 57.6	H	45.0	13000	91901	153.63	1141
ME90407	SOMERSET	69 52.1	69 52.1	69 52.1	OP	0	3198	9436	16.281	1141
2 DRC	CENTRAL MAINE POWER CO.	2740	2740	2740	-8516.2	45.0	16198	101337		1141
ME980017	WYMAN	45 4.1	45 4.1	45 4.1	H	143.0	72000	321152	121.42	1047
ME90408	SOMERSET	69 54.5	69 54.5	69 54.5	OP	0	4809	21999	5.5193	1047
2 DRC	CENTRAL MAINE POWER CO.	2625	2625	2625	-8326.7	143.0	76809	343151		1047
ME9805423	BURNHAM HYDRO	44 43.3	44 43.3	44 43.3	0	0	0	0	196.79	1200
ME 460	WALDO	69 27.4	69 27.4	69 27.4	OP	3421	1293	7833	25.121	1200
2 DRC I	BURNHAM HYDRO CO.	611	611	611	-1019.9	27.0	1293	7833		1200
ME980548	JOHNSON AUTO	44 26.4	44 26.4	44 26.4	0	30.0	0	0	81.143	1535
ME93800	WALDO	69 3.5	69 3.5	69 3.5	OP	0	213	907	89.419	1535
2 DRC	JOSEPH JOHNSON	42	42	42	-69.9	30.0	213	907		1535
ME980504	TWIN FRANKFORT	44 35.8	44 35.8	44 35.8	0	19.0	0	0	143.41	1461
ME90720	WALDO	68 51.3	68 51.3	68 51.3	OP	0	501	2090	68.592	1461
2 DRC	UNKNOWN	130	130	130	-239.0	19.0	501	2090		1461
ME980708	COBSCOOK BAY TIDAL POWER PROJ	44 54.0	44 54.0	44 54.0	H	150.0	0	0	54000	2096
ME99059	WASHINGTON	67 3.0	67 3.0	67 3.0	FP	0	200000	660000	81.818	2093
2 DFA I	DAEN NED	400	400	400	486400.0	0	200000	660000		2093





FM 2 ID NO	PROJECT NAME	DR. AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	DR. AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	(D M.M)	(D M.M)	(D M.M)	STATUS	MX. STOR.	INC. CAP.	INC. ENRG ENERGY COST	ERC NON-ECONOMIC
CODE		(SQ. MI)	(30. MI)	(30. MI)	AVE. G	(FT)	TOT. CAP.	TOT. ENERGY	ERC COMPOSITE
FILE			(CFS)	(AC FT)	(KW)	(MWH)	(1000 S)	(SEQUENCE RANK)	
STATUS			(FT)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)	
ME69181	NICATOUS FALLS	45 9.2	68 14.6	70	H	45.0	0	118.92	2064
2	WASHINGTON	45 9.2	68 14.6	70	IS	6000	576	50.867	2061
MEANED8542	ORANGE RV. DAM 2	44 45.9	67 11.9	42	0	30.0	0	84.866	1464
2	WASHINGTON	44 45.9	67 11.9	42	OP	0	236	69.119	1464
MEANED8464	VANDERBILT DAM	45 34.0	67 35.6	435	0	226400	0	215.83	1353
2	WASHINGTON	45 34.0	67 35.6	435	OP	13.0	797	45.298	1353
ME1932	ST CROIX R	45 11.2	67 47.3	240	0	14.0	0	154.24	1405
2	GEORGIAN PACIFIC CORP.	45 11.2	67 47.3	240	OP	14.0	441	57.180	1405
MECNE8057	WEST GRAND LAKE OUTLET	45 9.6	67 24.0	1350	H	48.0	9000	40.356	1003
2	WASHINGTON	45 9.6	67 24.0	1350	OP	48.0	1239	1.2927	1003
ME61901	ST. CROIX RIV	43 36.5	70 33.0	1595	H	22.0	4000	0	1003
2	GEORGIA PACIFIC CORP	43 36.5	70 33.0	1595	OP	21.9	4000	0	1003
MEGNE8026	BAR MILLS	43 41.4	70 36.6	1563	H	37.0	7200	221.39	1126
2	YORK	43 41.4	70 36.6	1563	OP	37.0	4856	13.285	1126
ME61605	SACO RIVER	43 30.0	70 26.4	1700	H	40.0	6650	106.73	1080
2	CENTRAL MAINE POWER CO.	43 30.0	70 26.4	1700	OP	40.0	1354	8.4351	1080
MEGNE8028	BONNY EAGLE	43 25.2	70 40.2	106	H	36.0	746	22.586	2106
2	YORK	43 25.2	70 40.2	106	OP	36.0	288	185.13	2106
ME61607	SACO RIVER	43 25.2	70 40.2	106	H	36.0	746	22.586	2106
2	CENTRAL MAINE POWER CO.	43 25.2	70 40.2	106	OP	36.0	288	185.13	2106
MEGNE8024	CATARACT STATION	43 25.2	70 40.2	106	H	36.0	746	22.586	2106
2	YORK	43 25.2	70 40.2	106	OP	36.0	288	185.13	2106
ME61600	SACO RIVER	43 25.2	70 40.2	106	H	36.0	746	22.586	2106
2	CENTRAL MAINE POWER CO.	43 25.2	70 40.2	106	OP	36.0	288	185.13	2106
MEINED8064	ESTES LAKE DAM	43 25.2	70 40.2	106	H	36.0	746	22.586	2106
2	YORK	43 25.2	70 40.2	106	OP	36.0	288	185.13	2106
ME63605	ESTES LAKE	43 25.2	70 40.2	106	H	36.0	746	22.586	2106
2	LAWRENCE KEDDY	43 25.2	70 40.2	106	OP	36.0	288	185.13	2106



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** FM 2 ID NO *
** PM 1 ID NO * PRIMARY CO. * NAME OF STREAM *
** ACTV DEP * OWNER
** CODE CODE *
** FILE *
** STATUS *
*****
** MEGNE08027 * WEST BUXTON
** MEG1606 * YORK
** 2 DRC * CENTRAL MAINE POWER CO.
*****
** LATITUDE * PROJ. PURP. * DAM HT * EXIST. CAP. * EXIST. ENRG. * ANUL. COST * ERC ECONOMIC
** LONGITUDE * STATUS * MX. STOR. * INC. CAP. * INC. ENRGY * ENERGY COST * ERC NONECONOMIC
** DR. AREA * AVE. Q * PWR. HD. * TOT. CAP. * TOT. ENRGY * (1000 $) * ERC COMPOSITE
** (D M.M) * (D M.M) * (D M.M) * (KW) * (MWH) * ($/MWH) * (SEQUENCE RANK)
** (D M.M) * (D M.M) * (D M.M) * (KW) * (MWH) * ($/MWH) * (SEQUENCE RANK)
** (80.MI) * (CFS) * (FT) * (KW) * (MWH) *
*****
** 43 39.6 * H * 28.0 * 6625 * 2808 * 178.51 * 1118
** 70 35.9 * DP * 0 * 2827 * 1420 * 12.294 * 1118
** 1572 * -3295.5 * 28.0 * 9452 * 4328 *
*****

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... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF MARYLAND

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW = 5 MW			5 MW = 10 MW			10 MW = 15 MW			.05 MW = 15 MW		
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
	INST	POTEN	INCR	INST	POTEN	INCR	INST	POTEN	INCR	INST	POTEN	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
0-19	3	0	3	0	0	0	0	0	0	0	0	0
	3.0	0	3.0	0	0	0	0	0	0	0	0	0
	47	0	47	0	0	0	0	0	0	0	0	0
20-49	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
50-99	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
>100	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	3	0	3	0	0	0	0	0	0	0	0	0
	3.0	0	3.0	0	0	0	0	0	0	0	0	0
	21	0	21	0	0	0	0	0	0	0	0	0

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
CAPTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF MARYLAND

POTENTIAL INCREMENTAL CAPACITY RANGES													
		.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL		
NUMBER	CAPACITY	EXISTA	UNDEVA	EXISTA	UNDEVA	EXISTA	UNDEVA	EXISTA	UNDEVA	EXISTA	UNDEVA	TOTAL	
		INSTA	POTEN	INSTA	POTEN	INSTA	POTEN	INSTA	POTEN	INSTA	POTEN		
		1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	
		4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	
		INSTA	UNDEVA	EXISTA	UNDEVA	EXISTA	UNDEVA	EXISTA	UNDEVA	EXISTA	UNDEVA	EXISTA	
		TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	
0-19	3*	3*	0*	0*	0*	0*	0*	0*	0*	0*	0*	3*	
	2.9*	10.3*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	2.9*	10.3*	0.0*	
	20.8*	46.7*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	20.8*	46.7*	0.0*	
20-49	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	
	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	
	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	
50-99	0*	1*	0*	0*	0*	0*	0*	0*	0*	1*	0*	1*	
	0.0*	0.3*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.3*	0.0*	0.3*	
	1.7*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	1.7*	0.0*	1.7*	
>100	0*	3*	0*	0*	0*	0*	0*	0*	0*	3*	0*	3*	
	0.0*	12.8*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	12.8*	0.0*	12.8*	
	0.0*	50.9*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	50.9*	0.0*	50.9*	
TOTAL	3*	7*	0*	0*	0*	0*	0*	0*	0*	7*	0*	7*	
	2.9*	23.5*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	23.5*	0.0*	23.5*	
	20.8*	99.5*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	176.5*	0.0*	99.5*	

\*\*\*\*\*  
 COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)  
 \*\*\*\*\*

LEGEND



PM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	NAME OF STREAM	STATUS	AVG. Q	APWR. MD.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
ACTV CODE	OWNER	DR.AREA	(D.M.M)	(D.M.M)	(D.M.M)	TOT. CAP.	TOT.ENERG	(1000 \$)	ERC COMPOSITE
FILE CODE		(S.M.M)	(S.M.M)	(S.M.M)	(S.M.M)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ.MI)	(AC FT)	(AC FT)	(AC FT)	(KW)	(MWH)		(SEQUENCE RANK)
MD6DRP0002	SMALLOW FALLS	39 24.0	79 16.0		7500	0	0	0	
5 DRA	GARRETT	162	-339.3		0	0	0	0	
MD6DRP0001	UPPER YOUGHTEGHENY R	39 22.9	79 27.4	H	84.5	0	0	7329.2	
MDU00013	GARRETT	55	-127.7	IS	145000	98	898	8535.7	
5 DRC I					65.2	98	898		
MD6NAR0014	BEAR ISLAND	38 58.0	77 15.0	IS	60.0	0	0	39207	
MDU00002	MONTGOMERY	11460	11460.0	IS	0	128006	379906	103.80	
5 DRC I					65.4	128006	379906		
MDCNAR0016	BRIGHTON DAM	39 11.6	77 0.4	S	62.0	0	0	94.587	2016
MD00005	MONTGOMERY	79	80.0	DP	22400	379	1771	53.381	2015
2 SCP I	WASH SUB SANT CONN	79			52.7	379	1771		2016
MD6NAR0015	SENECA	39 1.9	77 20.9	FR08	87.0	0	0	47110	
MDU00003	MONTGOMERY	11400	11400.0	IS	1193000	73474	298623	157.75	
5 DRC I					57.9	73474	298623		
MDCNAR0018	ROCKY GORGE DAM	39 14.0	76 52.5	SR	125.0	0	0	184.91	
MD00020	PRINCE GEORGE	132	132.0	DP	22000	1326	1921	96.282	
5 DFC I	WASH.SUB.SANT.CONN.	132			109.9	1326	1921		
MDGNAR0023	HARPERS FERRY	39 19.9	77 45.2	H	14.0	840	6100	523.71	
MD00137	WASHINGTON	6236	6236.0	DP	50	2608	11276	46.485	
5 DFC I	POTOMAC EDISON				10.0	3448	17376		
MD4NAR0019	ORLEANS	39 34.9	78 24.9	ROS	87.0	0	0	8286.9	
MDU0004	WASHINGTON	3157	3100.0	IS	78000	19504	84369	98.245	
5 DRC I					62.9	19504	84369		
MDGNAB9999	POTOMAC DAM NO 5	39 35.9	78 0.0	H	20.0	1120	7600	511.83	
2 DFC I	WASHINGTON POTOMAC	4940	4940.0	DP	4000	2903	10900	46.920	
	U.S. DEPT OF INTERIOR	12.9			4023	18500	18500		2004









PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF MASSACHUSETTS

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL		
	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*
	INCR*	POTEN*	INST*	INCR*	POTEN*	INST*	INCR*	POTEN*	INST*	INCR*	POTEN*	INST*
	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*
0-19	2	9	0	1	0	1	0	0	0	0	0	0
	3.9	4.6	0.0	17.9	0.0	17.9	0.0	0.0	0.0	0.0	0.0	0.0
	16.0	25.8	0.0	59.6	0.0	59.6	0.0	0.0	0.0	16.0	85.5	0.0
20-49	10	22	1	1	0	1	0	0	0	33.5	0.0	33.5
	35.2	16.5	15.0	24.6	0.0	24.6	0.0	0.0	0.0	50.2	74.7	0.0
	161	112	52.0	82.0	0.0	82.0	112	0.0	112	213	306	0.0
50-99	8	9	0	0	0	0	0	0	0	9	0	9
	12.6	12.5	19.0	0.0	0.0	0.0	0.0	0.0	0.0	51.7	12.5	0.0
	169	170	53.5	0.0	0.0	0.0	0.0	0.0	0.0	223	170	0.0
>100	3	5	0	0	0	0	3	0	0	6	5	0
	14.6	1.8	0.0	0.0	0.0	0.0	1633	0.0	0.0	1648	1.8	0.0
	45.4	13.3	0.0	0.0	0.0	0.0	1684	0.0	0.0	1729	13.3	0.0
TOTAL	23	45	2	2	0	2	3	1	1	28	48	0
	36.5	35.6	34.0	42.5	0.0	42.5	1633	33.5	0.0	33.5	1754	112
	392	321	106	142	0.0	142	1684	112	112	2181	574	0.0

\*\*\*\*\*  
 COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GTGAWATT-HOUR)  
 \*\*\*\*\*

LEGEND





FM 2 ID NO	PROJECT NAME	STATUS	DR AREA	DR H.M.	DR MI	AVG. G	AC FT	AC FT	EXIST. CAP.	INC. CAP.	TOT. CAP.	TOT. ENERGY	ENERGY COST	MANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF OWNER	LATITUDE	LONGITUDE	STATION	PURP.	AVG. G	AC FT	AC FT	EXIST. CAP.	INC. CAP.	TOT. CAP.	TOT. ENERGY	ENERGY COST	MANUL. COST	ERC ECONOMIC
ACTV CODE	OWNER	DR AREA	DR H.M.	DR MI	AVG. G	AC FT	AC FT	AC FT	(KW)	(KW)	(KW)	(MWH)	(1000 \$)	(1000 \$)	(SEQUENCE RANK)
FILE	OWNER	(D.M.H.)	(D.M.H.)	(M.MI)	(CFS)	(AC FT)	(AC FT)	(AC FT)	(KW)	(KW)	(KW)	(MWH)	(1000 \$)	(1000 \$)	(SEQUENCE RANK)
STATUS	STATUS	(80.MI)	(80.MI)	(80.MI)	(CFS)	(AC FT)	(AC FT)	(AC FT)	(KW)	(KW)	(KW)	(MWH)	(1000 \$)	(1000 \$)	(SEQUENCE RANK)
MAGNED018	GARDNER FALLS STATION TWO	42 35.3	72 43.8	445	H	39.0	0	3980	0	3980	0	18725	0	0	
2 DFC	FRANKLIN DEERFIELD RIV	72 43.8	445	OP	-1125.2	38.9	0	3980	0	3980	0	18725	0	0	
2 DFC	WESTERN MA ELECTRIC	445	445	OP	-1125.2	38.9	0	3980	0	3980	0	18725	0	0	
MAGNED084	MILLER FALL ONE	42 34.7	72 28.4	390	OP	0	0	498	0	498	0	2655	199.15	1486	1486
2 DRC I	FRANKLIN MILLER RIV	72 28.4	390	OP	-651.6	10.0	0	498	0	498	0	2655	75.9	1486	1486
2 DRC I	MILLER FALL PAPER	390	390	OP	-651.6	10.0	0	498	0	498	0	2655	75.9	1486	1486
MAGNED019	NEW ENGLAND POWER CO. TWO	42 34.1	72 42.6	445	H	64.0	0	4800	0	4800	0	29000	0	0	
2 DFC	FRANKLIN DEERFIELD RIV	72 42.6	445	OP	-1125.2	63.9	0	4800	0	4800	0	29000	0	0	
2 DFC	NEW ENGLAND POWER CO.	445	445	OP	-1125.2	63.9	0	4800	0	4800	0	29000	0	0	
MALNED001	NORTHFIELD MT. PUMPED STORAGE	42 37.1	72 25.7	1	H	1005.0	0	1000000	0	1000000	0	1101880	0	0	
2 DFC	FRANKLIN NORTHFIELD BR	72 25.7	1	OP	-1.6	1003.9	0	1000000	0	1000000	0	1101880	0	0	
2 DFC	NORTHEAST UTILITIES	1	1	OP	-1.6	1003.9	0	1000000	0	1000000	0	1101880	0	0	
MAGNED012	SHERMAN	42 43.6	72 55.7	236	H	80.0	0	7200	0	7200	0	27000	265.40	2111	2108
2 DRC	FRANKLIN DEERFIELD RIV	72 55.7	236	OP	-579.1	80.0	0	7200	0	7200	0	27000	265.40	2111	2108
2 DRC	NEW ENGLAND POWER CO.	236	236	OP	-579.1	80.0	0	7200	0	7200	0	27000	265.40	2111	2108
MAGNED023	TURNER FALLS-CANAL SYSTEM	42 36.5	72 33.0	7862	H	75.0	0	19085	0	19085	0	53600	239.78	1005	1005
2 DRC	FRANKLIN CONNECTICUT R	72 33.0	7862	OP	-13862.6	75.0	0	4528	0	4528	0	137948	1.7382	1005	1005
2 DRC	3 POWER PLANTS ALONG CANAL	7862	7862	OP	-13862.6	75.0	0	23613	0	23613	0	191548	1.7382	1005	1005
MAGNED0912	CHICOPEE FALLS	42 9.6	72 34.9	714	R	0	0	0	0	0	0	0	250.77	1248	1248
2 DRC I	HAMPDEN CHICOPEE	72 34.9	714	OP	-1304.6	18.0	0	1355	0	1355	0	8084	31.20	1248	1248
2 DRC I	CITY OF CHICOPEE	714	714	OP	-1304.6	18.0	0	1355	0	1355	0	8084	31.20	1248	1248
MAGNED008	CORRLE MOUNTAIN RESERVOIR	42 7.1	72 53.3	49	H	456.0	0	33000	0	33000	0	21900	0	0	
2 DFC	HAMPDEN LITTLE RIVER	72 53.3	49	OP	-99.1	455.5	0	33000	0	33000	0	21900	0	0	
2 DFC	WESTERN MA ELECTRIC	49	49	OP	-99.1	455.5	0	33000	0	33000	0	21900	0	0	
MAGNED0906	CRESCENT HILLS	42 13.3	72 51.6	329	OP	0	0	0	0	0	0	0	196.92	1267	1267
2 DRC I	HAMPDEN WESTFIELD	72 51.6	329	OP	-601.1	25.0	0	1126	0	1126	0	5936	33.169	1267	1267
2 DRC I	TEXON	329	329	OP	-601.1	25.0	0	1126	0	1126	0	5936	33.169	1267	1267





PM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. G	WPR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
CODE	FILE	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS	(SQ. MI)	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
MAGNE08027	WESTFIELD RIVER PAPER	42 10.8	H	25.0	700	2800	12.831	1048
2	HAMPDEN WESTFIELD RIV	72 50.9	DP	0	132	2264	5.667	1048
2	WESTFIELD RIVER PAPER CO.	331		25.0	832	5064		1048
MAGNE0922	KNIGHTVILLE DM	42 17.5	C	0	0	0	165.80	1329
2	HAMPSHIRE WSTFLD R	72 54.4	DP	49000	962	4051	40.928	1329
2	DAEN NED	162		30.5	962	4051		1329
MAGNE0809	QUABBIN RESERVOIR	42 16.7	H	155.0	1200	4800	14.343	1027
2	HAMPSHIRE SWIFT RIVER	72 20.4	DP	0	165	3752	3.8227	1027
2	MDC	186		155.0	1365	8552		1027
MAGNE0853	TIGHE CARMODY RESERVOIR	42 12.7	D	125.0	0	0	62.429	1414
2	HAMPSHIRE MANHAN RIVER	72 46.5	DP	0	228	1074	58.108	1414
2	HOLYOKE WATER WORKS	14		125.0	228	1074		1414
MAGNE0986	WARE IND DAM	42 15.7	D	0	0	0	147.94	1387
2	HAMPSHIRE WARE RIVER	72 14.1	DP	58	577	2866	51.615	1387
2	WARE INDUSTRIES INC	167		23.0	577	2866		1387
MAGNE0819	NEWTON UPPER FALLS	42 18.9	D	15.0	0	0	145.18	1481
2	MIDDLESEX CHARLES RIVER	71 13.9	DP	0	395	1957	74.183	1481
2	M.D.C.	211		15.0	395	1957		1481
MAGNE0603	NORTH CANAL LOCKS + CANAL SV	42 39.6	D	30.0	0	0	2767.1	1195
2	MIDDLESEX HERRIMACK RIV	71 19.2	DP	0	33584	111880	24.732	1195
2	A RETIRED POWER PLANT ALONG	4000		30.0	33584	111880		1195
MAGNE0602	OLD GUARD LOCKS - CANAL SVST	42 39.6	D	22.0	0	0	1897.1	1179
2	MIDDLESEX HERRIMACK RIV	71 19.2	DP	0	24628	82045	23.123	1179
2	A RETIRED POWER PLANT ALONG	4000		22.0	24628	82045		1179
MAGNE0824	PAWTUCKET-CANAL SYSTEM	42 39.6	H	40.0	8745	28700	30.316	1000
2	MIDDLESEX HERRIMACK RIV	71 19.2	DP	0	904	41952	0.72263	1000
2	4 POWER PLANTS ALONG CANAL	4000		40.0	9651	70652		1000

PM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL.	COST	ERC ECONOMIC
ACTV DEP	PRIMRY CO. NAME OF STREAM	DR. AREA	DR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
CODE	OWNER	(D M.M)	(D M.M)	AVE. G	PAR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	(SEQUENCE RANK)
FILE		(SQ. MI)	(SQ. MI)	(CF9)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS									(SEQUENCE RANK)
MAINED020	PEPPEREL PAPER COMPANY	42 39.6	71 34.2	H	28.0	1280	5600	36.769	1145
MA64501	MIDDLESEX NASHUA RIVER	71 34.2	433	OP	0	468	2062	17.832	1145
2 DRC	PEPPEREL PAPER COMPANY			-556.8	28.0	1748	7662		1145
MACNED0518	RESERVOIR ONE	42 17.4		0	22.0	0	0	94.972	1494
MA04957	MIDDLESEX SUDBURY RIVER	71 26.4		OP	0	219	1224	77.551	1494
2 DRC	METROPOLITAN DISTRICT COM			-132.1	22.0	219	1224		1494
MACNED0516	SAXONVILLE DAM POND	42 19.3		0	25.0	0	0	103.25	1452
MA04964	MIDDLESEX SUDBURY	71 24.0		OP	0	289	1554	66.403	1452
2 DRC	UNKNOWN			-142.5	25.0	289	1554		1452
MANNED0601	SWAMP LOCKS - CANAL SYSTEM	42 39.6		0	16.0	0	0	1827.3	1244
MA05103	MIDDLESEX MERRIMACK RIV	71 19.2		OP	0	17911	59669	30.624	1244
2 DRC	A RETIRED POWER PLANT ALONG			-6468.7	16.0	17911	59669		1244
MANNED0505	WATERTOWN DAM	42 21.7		0	13.0	0	0	161.74	1493
MA05706	MIDDLESEX CHARLES RIVER	71 11.2		OP	0	415	2094	77.230	1493
2 DRC	TOWN OF WATERTOWN			-346.0	13.0	415	2094		1493
MANNED0524	BLACKSTONE DAM	42 0.9		0	8.0	0	0	177.59	1501
MA04766	WORCESTER BLACKSTONE RI	71 32.3		OP	0	398	2219	80.30	1501
2 DRC	UNKNOWN			-647.2	8.0	398	2219		1501
MANNED0811	COSGROVE MASSACHUSETT AQUADUCT	42 24.0		H	98.0	3200	10000	97.411	2102
MA64318	WORCESTER NASHUA RIVER	71 40.7		OP	0	1316	1027	94.851	2099
2 DRC	HDC			-187.7	98.0	4516	11027		2099
MANNED0530	FISHERVILLE POND	42 10.8		0	20.0	0	0	133.38	1435
MA04412	WORCESTER QUINSIGAMOND	71 41.4		OP	0	423	2102	63.440	1435
2 DRC	DURA LIFE COMPANY			-226.6	20.0	423	2102		1435
MANNED1080	FT DEVONS DAM	42 20.9		0	0	0	0	156.10	1456
MA 4551	WORCESTER NASHUA	71 21.7		OP	56	459	2316	67.386	1456
2 DRC I	NINA HORGAN			-331.6	15.0	459	2316		1456

FM 2 ID NO	FM 1 ID NO	ACTY DEP CODE	FILE STATUS	PROJECT NAME	DR AREA	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
				OWNER	(D M M)	(D M M)	(S M MI)	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC RANK
					(D M M)	(D M M)	(S M MI)	AVE. Q	(AC FT)	TOT. CAP.	TOT. ENRG	(1000 \$)	(SEQUENCE RANK)
					(D M M)	(D M M)	(S M MI)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
					(D M M)	(D M M)	(S M MI)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
MACHED0548	MA02754	2	DRC	LAKE ROHUNTA WILLOW BROOK WORCESTER RODNEY HUNT POWER CO	42 34.5 72 16.8 20	42 34.5 72 16.8 20		0 OP -33.6	72.0 72.0	0 262 262	0 1042 1042	85.231 81.744	1507 1507
MACHED0521	MA04303	2	DRC	LANCASTER MILL POND WORCESTER LANCASTER MILLS	42 24.6 71 40.5 109	42 24.6 71 40.5 109		0 OP -189.4	25.0 25.0	0 357 357	0 1995 1995	113.90 57.69	1404 1404
MACHED0574	MA03955	2	DRC	MACYAGGARTS POND WORCESTER CORCKER PAPER	42 35.3 71 50.9 15	42 35.3 71 50.9 15		0 OP -24.3	98.0 98.0	0 246 246	0 1058 1058	76.606 72.342	1476 1476
MACHED0536	MA03862	2	DRC	QUINERBAUG RIVER POND WORCESTER DUDLEY PAPER CO.	42 3.1 71 58.9 152	42 3.1 71 58.9 152		0 OP -243.4	17.0 17.0	0 388 388	0 1928 1928	137.45 71.285	1473 1473
MACHED0523	MA04955	2	DRC	SUDRURY RESERVOIR WORCESTER METROPOLITAN DISTRICT C.	42 18.6 71 29.6 23	42 18.6 71 29.6 23		0 OP -32.8	112.0 112.0	0 263 263	0 1470 1470	67.229 45.728	1356 1356
MAANED1093	MA 4759	2	DRC I	TUPPER DAM WORCESTER DART INDUSTRIES	42 2.8 71 33.1 261	42 2.8 71 33.1 261		0 OP -470.5	0 460 33.0	0 1278 1278	0 6897 6897	186.74 27.75	1219 1219
MAANED1074	MA 4302	2	DRC I	WACHUSETT RES WORCESTER MDC	42 24.1 71 41.2 108	42 24.1 71 41.2 108		0 OP -183.6	0 199500 114.0	0 1068 1068	0 6517 6517	150.88 23.150	1180 1180







FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRGANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRGY ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. G	*PMR. HD.	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
CODE		(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
FILE		(D M.M)	(CFS)	(PT)	(KW)	(MWH)	(SEQUENCE RANK)
STATUS		(90 MI)			(MWH)	(MWH)	(SEQUENCE RANK)
MIINCE0006	ALCONA	44 33.7	H	54.0	8206	41443	1002
MI00150	ALCONA	83 47.7	OP	6000	2800	16200	
2 DFC I	CONSUMERS POWER CO	1469	H	49.3	11006	57643	
MIINCE0008	AU TRAIN	46 19.9	H	0	1200	4509	
MI00192	ALGER	86 50.9	OP	45800	0	0	
1 DRC I	CLEVELAND CLIFFS IRON CO	80	OP	137.0	1200	4509	
MIINCE0013	FOUR MILE DAM	45 5.7	HYDROEL	35.0	2033	0	
MI00170	ALPENA	83 30.1	OP	1200	646	3097	2010
2 DRA	ALPENA POWER CO.	1285	OP	0	2671	9876	
MIINCE0021	PRICKETT DIVERSION DAM	46 43.4	H	55.0	2200	8738	2029
MI00193	BARAGA	88 40.1	OP	19400	0	0	
2 DRC I	U. P. POWER CO	340	OP	41.0	2200	8738	
MIINCE0026	BERRIEN SPRINGS	41 56.6	H	24.0	7200	40879	
MI00338	BERRIEN	86 19.7	OP	7000	7200	13500	2029
2 DFC I	IND + MICH ELECTRIC CO	4881	OP	20.9	14400	54379	1002
MIINCE0023	BUCHANAN	41 50.3	H	28.0	4104	24374	
MI00157	BERRIEN	86 21.1	OP	2400	0	0	
2 DRC I	IND + MICH ELECTRIC CO	4037	OP	13.0	4104	24374	2010
MIINCE0036	KLERER DAM	45 23.4	H	45.0	1900	10271	
MI00546	CHERDYGAN	84 19.7	OP	5680	3700	14400	
2 DFC I	NORTHERN MICH ELECTRIC C	1300	OP	26.5	4900	24671	1002
MIINCE0143	EDISON SAULT	46 49.9	H	25.0	30000	297200	
MI00336	CHIPPEWA	84 30.0	OP	17952000	3100	91200	
2 DFC I	EDISON SAULT ELECTRIC CO	80900	OP	20.9	33100	388400	2005
MIINCE0144	ST MARYS FALLS	46 49.9	H	36.0	18400	161150	
MI00446	CHIPPEWA	84 30.0	OP	17952000	273000	1217000	
2 DFC I	DAEN NCE	80000	OP	20.9	291400	1378150	2005





FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENR.	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER			DR. AREA	MX. STOR.	AVE. Q	PHR. HD.	(KW)	(KW)	ENERGY	ENERGY COST	ERC NON-ECONOMIC
FILE				(D M. M)	(AC FT)	(CFS)	(FT)	(MW)	(MW)	(1000 \$)	(\$/MWH)	ERC COMPOSITE
STATUS				(90-MI)	(PT)			(MWH)	(MWH)			(SEQUENCE RANK)
MIINCE0054	SECOND DAM	GLADWIN	TITTIBAWASSEE	44 2.5	50.0	H	50.0	1200	0	5065	0	2010
MI00547	WOLVERINE POWER CO			84 20.5	51000	OP	43.7	0	0	0	0	
2 DRC I				210				1200	0	5065		
MIINCE0022	SMALLWOOD DAM	GLADWIN	TITTIBAWASSEE	43 56.5	36.0	HYDREL	9000	1200	0	0	37.778	
MI00548	WOLVERINE POWER CO.			84 19.9	9000	OP	0	461	1107	3707	34.111	
2 DRC I				342				1661				2010
MIINCE0057	SAXON FALLS	GOGEBIC	MONTREAL RIVER	46 32.7	45.0	H	1100	1250	10198	10198	402.77	
MI00196	LAKE SUPERIOR DIST PWR C			90 22.4	130.0	OP	30.7	3997	10551	20750	38.171	
5 DRC I				272				5247				2004
MIINCE0064	WERRER	IONIA	GRAND	42 57.4	33.0	H	8900	3250	15822	15822	317.43	
MI00206	CONSUMERS PWR CO			84 54.1	30.7	OP	-1206.2	2900	10600	26422	29.947	
2 DFC I				1751				6150				2004
MIINCE0068	FOOTE	IONSCO	AU SABLE R	44 26.0	55.0	H	43500	9000	35141	35141	0	
MI00169	CONSUMERS PWR CO			83 26.4	37.0	OP	-1490.4	0	0	0	0	2010
2 DRC I				1644				9000				
MIINCE0069	LOUD	IONSCO	AU SABLE	44 29.2	55.0	H	13800	4000	22371	22371	0	
MI00178	CONSUMERS POWER CO			83 43.1	24.6	OP	-1452.4	0	0	0	0	2010
2 DRC I				1602				4000				
MIINCE0070	BRULE ISLAND	IRON	BRULE	45 56.8	70.0	H	25650	6000	33751	33751	647.23	1050
MI00156	WIS-MI PWR CO			88 13.1	58.7	OP	-1066.9	13093	5981	39733	108.20	
2 DRC I				1050				19093				1050
MIINCE0075	CRYSTAL FALLS	IRON	PAINT	46 6.5	26.0	H	1360	900	4362	4362	0	1054
MI00530	CITY OF CRYSTAL FALLS			88 20.0	14.5	OP	-611.2	0	0	0	0	
5 DRC I				616				900				1054
MIINCE0071	HEMLOCK FALLS	IRON	MICHIGAMME	46 8.6	50.0	H	1275	2600	13687	13687	0	2028
MI00172	WIS-MI PWR CO			88 14.5	33.5	OP	-699.0	0	0	0	0	
2 DRC I				665				2600				2028

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	ALONGITUDE	STATUS	HX. STOR.	INC. CAP.	INC. ENRG ENERGY COST	ERC NONECONOMIC
ACTV CODE	OWNER	DR. AREA	AVE. G	PWR. HD.	TOT. CAP.	TOT. ENERGY	ERC COMPOSITE
FILE	(D.M.N)	(D.M.N)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)
STATUS	(S.G.MI)	(S.G.MI)	(CFS)	(FT)	(KW)	(MWH)	(\$/MWH)
MIINCE0072	MICHIGAMHE FALLS	45 57.4	H	70.0	9400	28902	0
MI00184	IRON MICHIGAMHE	88 11.6	OP	20250	0	0	0
5	DRC I WIS-MI PWR CO	724		60.4	9400	28902	
MIINCE0073	PEAVY FALLS	45 59.4	H	115.0	16000	44543	0
MI00191	IRON MICHIGAMHE	88 12.6	OP	126825	0	0	0
5	DRC I WIS-MI PWR CO	715		94.0	16000	44543	
MIINCE0074	HAY	46 9.4	H	50.0	2000	12594	0
MI00205	IRON MICHIGAMHE	88 13.9	OP	141120	0	0	0
2	DRC I WIS-MI PWR CO	645		34.6	2000	12594	2019
MIINCE9019	LOWELL DAM NO. 1	42 59.7	R	44.0	0	0	345.73
MI00506	KENT FLAT RIVER	85 21.6	OP	3300	4495	10982	31.479
2	DRC I CASCADE TWP.	545		38.6	4495	10982	2004
MIINCE0095	CARP INTAKE DAM	46 29.6	H	0	0	0	531.28
MI00158	MARQUETTE CARP RIVER	88 27.5	OP	1000	6927	29451	18.39
1	DRC D CLEVELAND CLIFFS IRON CO	66		607.3	6927	29451	1027
MIINCE0097	ESCANABA	46 18.7	H	0	2000	10088	0
MI00163	MARQUETTE ESCANABA	87 30.3	OP	2900	0	0	0
1	DRC I CLEVELAND CLIFFS IRON CO	346		67.0	2000	10088	1009
MIINCE0098	HUIST DAM	46 33.9	H	85.0	4400	7154	0
MI00175	MARQUETTE DEAD	87 34.0	OP	160000	0	0	0
5	DRC I CLEVELAND CLIFFS IRON CO	137		70.1	4400	7154	
MIINCE0099	MARQUETTE NO. 2	46 34.1	H	0	3200	11224	0
MI00181	MARQUETTE DEAD	87 26.9	OP	2800	0	0	0
1	DRC I CITY OF MARQUETTE	156		132.0	3200	11224	
MIINCE0100	MC CLURE	46 35.9	H	64.0	9863	5593	0
MI00183	MARQUETTE DEAD	87 31.1	OP	3500	0	0	0
5	DRC I CLEVELAND CLIFFS IRON CO	140		49.1	9863	5593	



PM 2 ID NO	PROJECT NAME	LATITUDE	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	LONGITUDE	STATUS	MX.STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR.AREA	AVE. Q	PHR. HD.	TOT. CAP.	TOT. ENRG		ERC COMPOSITE
CODE		(D M.M)		(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE		(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ.MI)		(FT)				(SEQUENCE RANK)
M100121	HARDY MUSKOGON	43 29.2	H	100.0	3000	93732	440.25	
M100171	NEWAYGO	85 37.8	OP	183400	4500	8700	50.604	
2 DFC I	CONSUMERS PWR CO	1651	-1562.3	95.2	34500	102432		1002
M100219	VICTORIA DIVERSION	46 41.2	H	120.0	12000	23512	0	
M100203	ONTONAGON	89 13.8	OP	20200	0	0	0	
5 DRC I	U.P. PWR CO	650	-515.8	77.4	12000	23512		
M100133	PAPER MILL	45 57.2	H	31.0	4250	8222	0	
M100377	SCHOOLCRAFT	86 14.7	OP	1870	0	0	0	
5 DRC I	MANISTIQUE PULP + PAPER	1100	-1449.2	9.0	4250	8222		
M1000141	RAMONVILLE	42 12.2	H	44.0	1920	7604	0	
M100194	WASHTENAW	83 33.5	OP	22600	0	0	0	
6 DRC I	JYRD	600	-478.2	28.6	1920	7604		
M1000205	FRENCH LANDING	42 12.8	R	38.0	0	0	428.10	
M100557	WAYNE	83 26.8	OP	26400	5115	9052	47.291	
2 DRC I	VAN BUREN TWP	825	-496.7	29.3	5115	9052		1002

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF MINNESOTA

POTENTIAL INCREMENTAL CAPACITY RANGES												
	0.05 MW	5 MW	10 MW	15 MW	15 MW	0.05 MW	5 MW	10 MW	15 MW	15 MW	0.05 MW	15 MW
	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST
	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR
	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY
	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY
0-19	3	1	0	0	0	0	0	0	0	0	0	0
	5.7	4.9	0	0	0	0	0	0	0	0	0	0
	29	33	0	0	0	0	0	0	0	0	0	0
20-49	11	1	0	0	0	0	0	0	0	0	0	0
	28.2	4.8	0	0	0	0	0	0	0	0	0	0
	141	10	0	0	0	0	0	0	0	0	0	0
50-99	1	0	0	0	0	0	0	0	0	0	0	0
	1.0	0	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	0	0
>100	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	15	2	1	0	0	0	0	0	0	0	0	0
	34.9	9.7	6.9	0	0	0	0	0	0	0	0	0
	173	42	74	321	337	568	445	13	458	13	458	13

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF MINNESOTA

POTENTIAL INCREMENTAL CAPACITY RANGES													
		15 MW = 25 MW			GREATER THAN 25 MW			TOTAL					
		EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*
		INCR*	POTEN*	INCR**	INCR*	POTEN*	INCR**	INCR*	POTEN*	INCR**	INCR*	POTEN*	INCR**
		1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*
0-19	NUMBER	3*	5*	0*	0*	0*	0*	0*	0*	0*	3*	5*	0*
	CAPCTY*	5.6*	49.3*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	5.6*	49.3*	0.0*
	ENERGY*	29.1*	276*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	29.1*	276*	0.0*
20-49	NUMBER	16*	4*	0*	4*	0*	0*	2*	0*	0*	16*	4*	0*
	CAPCTY*	80.6*	43.6*	0.0*	71.1*	0.0*	113*	60.6*	220*	0.0*	80.6*	220*	0.0*
	ENERGY*	473*	149*	0.0*	190*	0.0*	320*	473*	659*	0.0*	473*	659*	0.0*
50-99	NUMBER	2*	1*	0*	1*	0*	0*	0*	0*	0*	2*	1*	0*
	CAPCTY*	13.0*	6.9*	0.0*	15.9*	0.0*	0.0*	13.0*	21.6*	0.0*	13.0*	21.6*	0.0*
	ENERGY*	65.7*	20.1*	0.0*	32.7*	0.0*	0.0*	65.7*	52.9*	0.0*	65.7*	52.9*	0.0*
>100	NUMBER	0*	0*	0*	0*	0*	0*	1*	1*	0*	1*	1*	0*
	CAPCTY*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	69.5*	30.3*	0.0*	69.5*	30.3*	0.0*
	ENERGY*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	271*	318*	0.0*	271*	318*	0.0*
TOTAL	NUMBER	21*	10*	1*	5*	0*	5*	22*	18*	1*	22*	18*	1*
	CAPCTY*	99.2*	98.8*	6.9*	87.1*	0.0*	143*	169*	329*	0.0*	169*	329*	0.0*
	ENERGY*	563*	445*	12.8*	458*	0.0*	592*	886*	1259*	0.0*	886*	1259*	0.0*

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)



FM 2 ID NO	PROJECT NAME	LONGITUDE	DR AREA	AVG G	PROJ PUMP	DAH HT	EXIST ENRG	ANUL COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	LONGITUDE	DR AREA	AVG G	PROJ PUMP	DAH HT	EXIST ENRG	ANUL COST	ERC ECONOMIC
ACTV DEP	OWNER	DR AREA	DR AREA	AVG G	PROJ PUMP	DAH HT	EXIST ENRG	ANUL COST	ERC ECONOMIC
CODE		(D M M)	(D M M)	(CFS)	(AC FT)	(FT)	(KWH)	(1000 \$)	(SEQUENCE RANK)
FILE		(90 MI)	(90 MI)	(CFS)	(AC FT)	(FT)	(KWH)	(1000 \$)	(SEQUENCE RANK)
STATUS		(90 MI)	(90 MI)	(CFS)	(AC FT)	(FT)	(KWH)	(1000 \$)	(SEQUENCE RANK)
MNANC0088	CANNON RIVER	44 30.7	44 30.7	R	62.5	0	0	381.1	1949
MN00514	FILLMORE	92 56.4	92 56.4	OP	25000	6928	12850	29.649	1949
2 DRC I	DAKOTA + GOODHUE COUNTY	1116	1116		55.7	6928	12850	29.649	1949
MNANC0050	COON RAPIDS	45 8.6	45 8.6	R	29.0	0	0	1247.4	1982
MN00507	HENNEPIN	93 18.6	93 18.6	OP	2000	16161	82663	15.91	1982
2 DRC I	HENNEPIN COUNTY PARK RESERVE	19100	19100		23.2	16161	82663	15.91	1982
MNGNCS0992	HENNEPIN IS. / ST ANTHONY FALL	44 58.8	44 58.8	H	20.0	12400	97164	3145.7	1991
MN00590	HENNEPIN	93 15.4	93 15.4	OP	4900	53677	12375	25.706	1991
2 DRC D	DAEN NCS	19660	19660		49.0	66077	219540	25.706	1991
MNGNCS0991	LOCK I MPLS-ST PAUL, MN	44 54.8	44 54.8	H	0	14400	98737	1094.7	1976
MN00593	HENNEPIN	93 12.1	93 12.1	OP	9300	19229	46206	23.692	1976
2 DRC D	DAEN NCS	19664	19664		35.9	33659	144944	23.692	1976
MNGNCS0051	LOWER DAM, ST. ANTHONY FALL	44 58.2	44 58.2	HN	24.8	8000	60386	1025.9	1963
MN00591	HENNEPIN	93 14.8	93 14.8	OP	420	14229	43650	23.503	1963
2 DRC D	NO. STATES POWER CO.	19660	19660		26.9	22229	104037	23.503	1963
MNINCS0059	BLANDIN	47 13.8	47 13.8	H	0	2100	13773	0	
MN00602	ITASCA	93 31.8	93 31.8	OP	10430	0	0	0	
2 DRC I	BLANDIN PAPER CO	3370	3370		20.0	2100	13773	0	
MNINCS0016	PRAIRIE RIVER	47 17.1	47 17.1	H	17.0	1084	4187	0	
MN00609	ITASCA	93 29.7	93 29.7	OP	15840	0	0	0	
5 DRC I	BLANDIN PWR CO	446	446		35.0	1084	4187	0	
MNINCS0074	RAINY LAKE	48 36.3	48 36.3	H	40.0	5600	49035	4292.6	1989
MN00653	KOOCHICHIING RAINY RIVER	93 24.0	93 24.0	OP	400000	59097	168020	25.548	1989
2 DRC I	BOISE-CASCADE CORPORATION	15176	15176		32.4	64697	217076	25.548	1989
MNINCS0014	WINTON LAKE	47 57.0	47 57.0	H	50.0	4000	15965	0	
MN00607	KAWISHIHI	91 45.7	91 45.7	OP	12060	0	0	0	
2 DRC I	MINN PWR + LT CO	1200	1200		35.0	4000	15965	0	





FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENERGY	COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENERGY	ERC NON-ECONOMIC	
ACTV DEP	OWNER	DR. AREA	AVE. 0	PHR. HD.	TOT. CAP.	TOT. ENERGY	(1000 \$)	(SEQUENCE RANK)
CODE		(D M. M)	(CFS)	(FT)	(KW)	(MMH)	(\$/MMH)	(SEQUENCE RANK)
FILE		(D M. M)		(AC FT)	(KW)	(MMH)		(SEQUENCE RANK)
STATUS		(80 MI)		(PT)	(KW)	(MMH)		(SEQUENCE RANK)
MNANCS0330	ST CLOUD DAM	45 32.8	S	35.5	10990	42747	1151.0	1948
MN00506	STEARNS	94 08.8	DP	700	10990	42747	26,926	1948
5	DRC I CITY OF MISSISSIPPI	13320	"5018.1"	15.9	10990	42747		1948
MNINCS9004	ZUMBRD LAKE	44 12.8	H	55.0	2300	7506		
MN00358	WABASHA	92 28.7	DP	35000	0	0	0	
2	DRC I ROCHESTER CITY	849	361.0	42.0	2300	7506		
MNCNCS9008	LOCK 5 MINNESOTA CITY, MN	44 9.6	N	30.0	0	0	794.96	1957
MN00589	WINDNA	91 48.6	DP	106600	5807	45041	17,649	1957
2	DRC D DAEN NCS	58845	25119.0	5.0	5807	45041		1957
MNANCS9006	LOCK 7 LA CRESCENT, MN	43 51.9	N	27.5	0	0	1640.0	1932
MN00587	WINDNA	91 18.5	DP	105000	12685	64668	25,361	1932
5	DRC D DAEN NCS	62340	27900.0	5.9	12685	64668		1932

... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF MISSISSIPPI

POTENTIAL INCREMENTAL CAPACITY RANGES

	0.05 MW = 5 MW	5 MW = 10 MW	10 MW = 15 MW	15 MW = 20 MW	20 MW = 25 MW	25 MW = 30 MW	30 MW = 35 MW	35 MW = 40 MW	40 MW = 45 MW	45 MW = 50 MW	50 MW = 55 MW	55 MW = 60 MW	60 MW = 65 MW	65 MW = 70 MW	70 MW = 75 MW	75 MW = 80 MW	80 MW = 85 MW	85 MW = 90 MW	90 MW = 95 MW	95 MW = 100 MW
*C M *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*U T W *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*M O *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*U T A *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*L A N *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*A L D *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*F T S *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*E I G *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*E V I W *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*T E N H *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
* I C A P *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
* N U M B E R *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*C A P C I T Y *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*E N E R G Y *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
* N U M B E R *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*C A P C I T Y *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*E N E R G Y *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
* N U M B E R *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*C A P C I T Y *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*E N E R G Y *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
* N U M B E R *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*C A P C I T Y *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*E N E R G Y *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
* T O T A L *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*C A P C I T Y *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*E N E R G Y *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPACITY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF MISSISSIPPI

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL		
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
	INST	POTEN	INCR	INST	POTEN	INCR	INST	POTEN	INCR	INST	POTEN	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
NUMBER	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
CAPCTY	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
ENERGY	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
NUMBER	0*	1*	1*	0*	2*	0*	0*	0*	0*	0*	0*	0*
CAPCTY	0.0*	11.9*	11.9*	0.0*	34.9*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
ENERGY	0.0*	39.2*	39.2*	0.0*	91.6*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
NUMBER	0*	1*	1*	0*	1*	0*	0*	0*	0*	0*	0*	0*
CAPCTY	0.0*	10.8*	10.8*	0.0*	23.7*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
ENERGY	0.0*	25.5*	25.5*	0.0*	80.8*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
NUMBER	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
CAPCTY	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
ENERGY	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
NUMBER	0*	1*	2*	0*	3*	0*	0*	0*	0*	0*	0*	0*
CAPCTY	0.0*	10.8*	22.7*	0.0*	58.6*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
ENERGY	0.0*	25.5*	64.7*	0.0*	172*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
TOTAL	0.0*	11.9*	11.9*	0.0*	58.6*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
ENERGY	0.0*	39.2*	39.2*	0.0*	172*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)





... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF MISSOURI

POTENTIAL INCREMENTAL CAPACITY RANGES												
	0.05 MW	5 MW	10 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW
	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV
	TOTAL	INCR	TOTAL	INCR	TOTAL	INCR	TOTAL	INCR	TOTAL	INCR	TOTAL	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY
0-19	0	0	0	0	0	0	0	0	0	0	0	0
20-49	1	3.0	10.0	0	0	0	0	0	0	0	0	0
50-99	0	0	0	0	0	0	0	0	0	0	0	0
>100	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	3.0	10.0	0	0	0	0	0	0	0	0	0

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
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 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)





FM 2 ID NO	PROJECT NAME	PRIMARY CD.	NAME OF STREAM	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOY. CAP.	TOY. ENERGY	(1000 \$)	ERC ECONOMIC
PH 1 ID NO	OWNER	DR. AREA	AVE. G	PHR. HD.	ST. STATUS	MX. STOR.	EX. CAP.	INC. CAP.	TOY. CAP.	TOY. ENERGY	(87MWH)	ERC COMPOSITE
CODE	FILE	(D.M.N)	(D.M.N)	(D.M.N)	(CFS)	(AC FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
STATUS		(SQ. MI)	(CFS)	(FT)		(FT)						(SEQUENCE RANK)
M06SWL0105	FLAT CREEK	36 44.5	36 44.5	120.0		120.0	0	0	0	0	4060.2	
M0U0133	BARRY	93 40.5	93 40.5	109.8	-353.5	109.8	3260	3260	11050	11050	367.41	
M01MRK0060	HARRY S. TRUMAN DAM	38 15.9	38 15.9	96.0	CHR	96.0	160000	160000	204770	204770	0	
M0U0137	BENTON	93 23.8	93 23.8	8120000	UC	8120000	0	0	0	0	0	
M05 DRC I	DAEN MRK	11500	11500	47.3	7393.0	47.3	160000	160000	204770	204770	0	
M06SWL0107	HARVIELL	36 38.0	36 38.0	75.0	C	75.0	0	0	0	0	4984.9	
M0U0198	BUTLER	90 30.0	90 30.0	111400	IS	111400	5703	5703	8984	8984	554.86	
M05 DRC I		182	182	54.9	-321.4	54.9	5703	5703	8984	8984	0	
M06SWL0106	POPLAR BLUFF	36 48.9	36 48.9	110.0		110.0	0	0	0	0	6912.9	
M0U0146	BUTLER	90 24.9	90 24.9	66.9	-1285.4	66.9	7959	7959	34706	34706	199.18	
M05 DRC I		1202	1202	27.0		27.0	3000	3000	8154	8154	0	
M06MRK0063	NTANGUA DAM	37 56.2	37 56.2	20.0	H	20.0	3000	3000	8154	8154	0	
M030205	CAMDEN	92 51.0	92 51.0	600000	DP	600000	0	0	0	0	0	
M05 DRC I	SHO ME POWER CORP	627	627	27.0		27.0	3000	3000	8154	8154	0	
M06SWL0108	CARTER CREEK	36 58.4	36 58.4	120.0		120.0	0	0	0	0	7273.0	
M0U0143	CARTER	90 59.3	90 59.3	94.9	-1942.2	94.9	24567	24567	92974	92974	78.226	
M06 DRC I		1670	1670	27.0		27.0	3000	3000	8154	8154	0	
M01MRK0067	STOCKTON LAKE	37 41.4	37 41.4	132.0	CH	132.0	45200	45200	51802	51802	0	
M030200	CEDAR	93 45.4	93 45.4	1674000	DP	1674000	0	0	0	0	0	
M05 DRC I	DAEN MRK	1160	1160	102.9	1049.0	102.9	45200	45200	51802	51802	0	
M06SWL0109	FINLEY CREEK	37 2.9	37 2.9	125.0	C R	125.0	0	0	0	0	3263.3	
M0U0197	CHRISTIAN	93 9.4	93 9.4	108500	IS	108500	122	122	944	944	3455.4	
M05 DRC I		163	163	104.8	-153.8	104.8	122	122	944	944	0	
M06SWL0111	KINSEY BRIDGE	37 58.9	37 58.9	130.0	SR	130.0	0	0	0	0	5710.8	
M0U0199	GREENE	93 19.9	93 19.9	180000	IS	180000	2437	2437	9580	9580	596.10	
M05 DRC I		245	245	109.8	-244.3	109.8	2437	2437	9580	9580	0	



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR-AREA	DR-AREA	AVE. Q	PHR. HD.	TOT. CAP.	(KW)	(MWH)	(S/HR)	ERC COMPOSITE	(1000 \$)	(SEQUENCE RANK)
CODE	FILE	(D M M)	(D M M)	(AC FT)	(FT)	(KW)	(MWH)	(S/HR)	(SEQUENCE RANK)	(MWH)	(S/HR)	(SEQUENCE RANK)
STATUS		(SQ. MI)	(SQ. MI)	(CFS)	(FT)	(KW)	(MWH)	(S/HR)	(SEQUENCE RANK)	(MWH)	(S/HR)	(SEQUENCE RANK)
M06SMT0078	MISS L+021	39 54.2	91 25.5	N	49.0	0	0	0	0	0	2493.6	1065
M010304	MARTON	91 25.5	91 25.5	OP	6200	19365	91671	27.201	1065	91671	27.201	1065
1	DAEN NCR	135000	135000	-71550.4	5.1	19365	91671	27.201	1065	91671	27.201	1065
M01MRK0094	BAGNELL DAM	38 12.6	92 37.1	HR	140.0	172000	440000	5175.0		440000	5175.0	
M030014	MILLER	92 37.1	92 37.1	OP	1927000	130000	140000	36.964		140000	36.964	
2	UNION ELECTRIC CO	140000	140000	9810.0	117.4	302000	580000			580000		
M06SMT0258	GRANBY RESERVOIR	36 56.4	94 15.0	CSRD	130.0	0	0	6633.8		0	6633.8	
M0U0116	NEWTON	94 15.0	94 15.0	SI	495000	1887	6391	790.59		6391	790.59	
5	DAEN SWT	250	250	-260.2	86.4	1887	6391	790.59		6391	790.59	
M06SMT0259	JOPLIN RESERVOIR	37 2.5	94 36.4	HRSD	84.0	0	0	3804.6		0	3804.6	
M0U0117	NEWTON	94 36.4	94 36.4	SI	75090	2575	11583	328.45		11583	328.45	
5	DAEN SWT	458	458	-876.7	65.7	2575	11583	328.45		11583	328.45	
M06SMT0262	SMACKNUT RESERVOIR	36 54.4	94 7.9	CSRD	113.0	0	0	4850.6		0	4850.6	
M0U0280	NEWTON	94 7.9	94 7.9	SI	24400	904	4019	1206.7		4019	1206.7	
5	DAEN SWT	141	141	-146.7	73.4	904	4019	1206.7		4019	1206.7	
M06SML0115	LONG HOLLOW	36 48.9	91 22.0		110.0	0	0	3214.1		0	3214.1	
M0U0141	OREGON	91 22.0	91 22.0		0	6903	27563	116.61		27563	116.61	
5	DRC I	585	585	-586.2	89.9	6903	27563	116.61		27563	116.61	
M06SML0114	RIVERTON	36 42.0	91 11.9		145.0	0	0	5431.7		0	5431.7	
M0U0140	OREGON	91 11.9	91 11.9		0	17978	54649	99.392		54649	99.392	
5	DRC I	793	793	-794.7	124.8	17978	54649	99.392		54649	99.392	
M06SML0116	WARM FORK	36 37.0	91 53.0	C	130.0	0	0	5303.5		0	5303.5	
M0U0200	OREGON	91 53.0	91 53.0	IS	137100	4686	15794	335.79		15794	335.79	
5	DRC D	273	273	-322.3	108.8	4686	15794	335.79		15794	335.79	
M06SML0117	BRYANT CREEK	36 38.8	92 39.7		185.0	0	0	5622.0		0	5622.0	
M0U0150	OZARK	92 39.7	92 39.7		0	17882	40082	140.26		40082	140.26	
5	DRC I	570	570	-546.7	144.8	17882	40082	140.26		40082	140.26	



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	STATUS	AVE. Q	PWR. HD.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG.	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	OWNER	DR. AREA	(D M.M)	(D M.M)	(AC FT)	(KW)	(KW)	(MW)	(MW)	(1000 \$)	(S/WH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
CODE	FILE	(SQ. MI)	(90 MI)	(CFS)	(FT)	(KW)	(KW)	(MW)	(MW)	(1000 \$)	(S/WH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
STATUS															
M06SWL0128	GOOSE LAKE	36 30.3	90 48.5	100.0	0	0	20264	84100	84100	7771.2	92.404	0	0	0	0
M06SWL0129	RIPLEY	36 30.3	90 48.5	100.0	0	0	20264	84100	84100	7771.2	92.404	0	0	0	0
M06SWL0133	BLAIR CREEK	37 11.0	91 12.5	213.0	0	0	120727	153030	153030	17146	112.4	0	0	0	0
M06SWL0134	JACKS FORK	37 8.4	91 31.0	190.0	0	0	4330	19387	19387	2869.1	147.98	0	0	0	0
M06SWL0132	WELLSFORD	37 21.3	90 29.2	210.0	0	0	24950	40121	40121	6603.6	164.59	0	0	0	0
M06SWL0134	GALENA	36 49.0	93 1.9	164.0	0	0	24122	63046	63046	12934	198.81	0	0	0	0
M06SWL0124	LONE PILGRIN	36 40.0	93 37.5	170.0	0	0	4408	17376	17376	5901.2	339.60	0	0	0	0
M06SWL0125	BEAVER CREEK	36 49.9	93 0.4	58.0	0	0	16000	89457	89457	761.38	37.858	0	0	0	0
M06SWL0126	WHITE RIVER	36 35.7	93 18.5	252.0	0	0	200000	444717	444717	0	0	0	0	0	0
M06SWL0127	EAGLE BLUFF	36 59.0	90 35.9	100.0	0	0	5464	27829	27829	5333.8	191.66	0	0	0	0
M06SWL0147	WAYNE	36 59.0	90 35.9	100.0	0	0	5464	27829	27829	5333.8	191.66	0	0	0	0

FM 2 ID NO	PROJECT NAME	DR. AREA	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	MANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO. OWNER	LONGITUDE	STATUS	MX. STOR.	MX. STOR.	INC. CAP.	TOT. CAP.	INC. ENRGY	ENERGY COST	ERC NONECONOMIC
CODE	FILE	(D.M.M)	(D.M.M)	AVE. 0	(KWH)	(KWH)	(KWH)	(KWH)	(1000 \$)	ERC COMPOSITE
STATUS	(90.MI)	(90.MI)	(CFS)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(\$/MWH)	(SEQUENCE RANK)
M01LMM0018	WAPPAPELLO DAM	36 55.8	90 16.6	C	109.0	22200	9	78	1131.7	1058
M030204	WAYNE	90 16.6	1134600	DP	48.9	22209	9	4988	29.156	1058
2	DRC I DAEN LHM	1310	-1545.1					45067		
M06SWL0135	COUNTY LINE	37 14.4			166.0		0	0	7932.0	
M0U0194	WERSTER	93 5.0			0	1751	1751	6290	1260.0	
5	DRC I	153	-140.0		145.8	1751	1751	6290		

PRELIMINARY ESTIMATE

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF MONTANA

POTENTIAL INCREMENTAL CAPACITY RANGES												
	0.05 MW	5 MW	10 MW	15 MW	10 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW
	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST
	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR
	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
	2	2	2	2	2	2	2	2	2	2	2	2
0-19	0	0	0	0	0	0	0	0	0	0	0	0
20-49	1	1	1	1	1	1	1	1	1	1	1	1
50-99	2	2	2	2	2	2	2	2	2	2	2	2
>100	3	3	3	3	3	3	3	3	3	3	3	3
TOTAL	13.2	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

• • • PRELIMINARY ESTIMATE • • •

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF MONTANA

POTENTIAL INCREMENTAL CAPACITY RANGES															
	0.05 MW - 15 MW				15 MW - 25 MW				GREATER THAN 25 MW				TOTAL		
	EXIST*	UNDEV*	TOTAL*	INST*	EXIST*	UNDEV*	TOTAL*	INST*	EXIST*	UNDEV*	TOTAL*	INST*	EXIST*	UNDEV*	TOTAL*
	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	2 CAP*	3 CAP*	4 CAP*
0-19	0*	2*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
20-49	3*	3*	0*	1*	0*	0*	0*	1*	0*	0*	0*	0*	0*	0*	0*
50-99	1*	4*	0*	1*	1*	1*	1*	3*	4*	4*	4*	6*	6*	6*	14*
>100	3*	6*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
TOTAL	7*	15*	0*	2*	1*	1*	1*	13*	11*	10*	10*	10*	21*	22*	27*
	32.1*	95.0*	0.0*	35.0*	18.7*	0.0*	0.0*	791*	636*	1057*	1848*	2059*	905*	1057*	1962*
	169*	416*	0.0*	416*	87.7*	0.0*	87.7*	9606*	836*	3730*	4565*	10032*	1340*	3730*	5069*

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 COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPACITY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)  
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 L E G E N D  
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FM 2 ID NO	PROJECT NAME	PRIMARY CO.	DR AREA	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	INC. ENRGY	TOT. ENRGY	COST	ERC RANK	NON-ECONOMIC
ACTV DEP	OWNER	NAME OF STREAM	(D M M)	(D M M)	(D M M)	STATUS	(FT)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)
CODE			(M)	(M)	(M)	AVE. Q	(AC FT)	TOT. CAP.	TOT. CAP.	(S/MWH)	(S/MWH)	(S/MWH)			
FILE			(M)	(M)	(M)	(CFS)	(FT)	(KW)	(KW)						
STATUS			(M)	(M)	(M)										
MTCHRD0119	CLARK CANYON RESERVOIR	BEAVERHEAD	45 0.1	112 51.3	2321	IRC	133.0	3000	3000	0	15150	15150	326.15	1956	1956
2 DFC I	USBR						83.7						21.528		
MT6MR00117	REICHLER	BEAVERHEAD	45 35.9	112 42.5		HI	165.0	0	0	0	0	0	6271.9		
6 SCP I	USBR					IS	530700	71173	71173	107069	107069	107069	58.578		
MTIMR00123	BIGHORN LAKE	BIGHORN RIVER	45 18.3	107 57.3	19667	ICHR	499.0	250000	250000	1000000	1000000	1000000	0		
5 DFC I	USBR					DP	1375000	0	0	0	0	0	0		
MTAHR00660	YELLOWTAIL AFTERBAY	BIGHORN RIVER	45 18.7	107 55.0	19667	DP	32.0	10000	10000	0	51800	51800	974.74	1958	1958
2 DFC I	WPRS						17.6						18.817		
MT6MR00126	HIGH COW	MISSOURI RIVER	47 38.6	108 46.4	40987	HI	323.0	0	0	0	0	0	41885		
6 NWR I	C OF E					IS	8750000	758939	758939	1466876	1466876	1466876	28.554		
MTAMR00127	BROADWATER DAM	MISSOURI RIVER	46 6.9	111 22.0	14669	I	56.0	0	0	0	0	0	624.38	1957	1957
2 DRC I	DEPT OF NAT RES					DP	3000	5581	5581	40201	40201	40201	15.531		
MTGMR00667	BLACK EAGLE	MISSOURI RIVER	47 24.0	111 19.2	23292	M	52.0	18000	18000	142727	142727	142727	2164.6	1975	1975
2 DRC I	MONTANA POWER CO					DP	3160	31027	31027	52028	52028	52028	41.605		
MTGMR00659	COCHRANE DAM	MISSOURI RIVER	47 34.1	111 9.8	23292	H	81.0	48000	48000	308838	308838	308838	1069.1	1988	1988
2 DRC I	MONTANA POWER CO						9900	11910	11910	16556	16556	16556	64.184		
MT6MR00128	HARDY	MISSOURI RIVER	47 5.9	111 48.0	17935	HI	91.0	0	0	0	0	0	924.0		
6 DRC I	UNKNOWN					IS	793000	68053	68053	264615	264615	264615	34.934		

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	ANNUAL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. Q	MX. STOR.	INC. CAP.	TOT. CAP.	TOT. ENERGY	ENERGY COST	ERC NON-ECONOMIC
FILE	STATUS	(D N. M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(S/MWH)	ERC COMPOSITE
MTGMR00132	MORONY	47 35.7	H	88.0	4500	313733	4675.3	19.177	(SEQUENCE RANK)
MT00563	CASCADE	111 4.6	OP	13000	52003	60392	77.420		(SEQUENCE RANK)
2 DRC I	MONTANA POWER CO	23292		75.6	97003	374146			1991 1991
MTGMR00160	RAINBOW	47 31.7	H	120.0	35600	303989	4432.6		1998
2 DRC I	CASCADE	111 11.9	OP	1064	108030	231135	19.177		1998 1998
2 DRC I	MONTANA POWER CO	23292		107.6	143630	533124			1998 1998
MTGMR00130	RYAN	47 35.1	H	94.0	60000	362919	3952.4		1989
MT00355	CASCADE	111 8.3	OP	3037	44999	41172	95.998		1989 1989
2 DRC I	MONTANA POWER CO	23292		81.6	104999	404092			1989 1989
MT6MR00135	FORT BENTON	47 47.5	HI	177.0	0	0	19091		2999
MTU0010	CHOUITEAU	110 40.6	IS	765000	362760	664580	26.727		2999 2999
2 DRC I	C OF E	24740		134.8	362760	664580			2999 2999
MTJNPS0029	GEORGETOWN LAKE DAM	46 12.8	S I R H	37.0	1100	8000	0		
MT00225	DEER LODGE FLINT CREEK	113 16.8	OP	50000	0	0	0		
5 DFC I	MONTANA POWER CO	50		717.0	1100	8000	0		
MT6HR00136	ROCKY POINT	47 24.0	HI	166.0	0	0	23339		
MTU0123	FERGUS	108 30.0	IS	1205000	431726	841145	27.747		
6 NWR I	UNKNOWN	38000		153.8	431726	841145			
MTCNPS0058	ASHLEY	48 10.8	I	10.0	0	0	39.399		
MT01163	FLATHEAD	114 37.0	OP	20000	1	12	3100.1		
5 DRC I	ASHLEY IRR DIST.	44		7.9	1	12			
MT6NPS0042	BELTON	48 29.9	HC	410.0	0	0	7873.4		
MTU0188	FLATHEAD	113 57.9	IS	0	89598	512226	15.371		
6 DFC I	M F FLATHEAD	941		330.0	89598	512226			
MTNPS0054	BIG FORK	48 3.7	HIR	14.0	4150	31000	1151.4		
MT00220	FLATHEAD	114 3.1	OP	110	13502	35863	32.653		
2 DFC I	PACIFIC POWER + LIGHT CO	735		95.0	15652	66263			

PM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	NAME OF STREAM	STATUS	PK. STOR.	INC. CAP.	INC. ENRG ENERGY COST	ERC NONECONOMIC	
ACTV DEP	OWNER	DR. AREA	AVE. G	PMR. HD.	TOT. CAP.	TOT. ENRG	ERC COMPOSITE	
CODE	FILE	(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
STATUS		(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
		(SQ. MI)		(FT)	(KW)	(MWH)		(SEQUENCE RANK)
MT4NPS0032	COLUMBIA FALLS	48 22.0	H	55.0	0	0	6944.6	
MTU0175	FLATHEAD	114 9.8	IS	0	50072	209115	33.209	
6 DFC I		4464		47.0	50072	209115		
MT4NPS0033	CORAM	48 24.4	H	135.0	0	0	8262.3	
MTU0176	FLATHEAD	114 3.0	IS	0	58586	256007	32.273	
6 DFC S		2800		97.0	58586	256007		
MT6NPS0052	GLACIER VIEW	48 37.0	HC	416.0	0	0	18914	
MTU0198	FLATHEAD	114 9.0	IS	0	129498	734448	25.753	
6 DFC D		1460		395.0	129498	734448		
MT4NPS0047	GRANITE CREEK	48 10.6	H	160.0	0	0	2048.7	
MTU0193	FLATHEAD	113 19.8	IS	0	105	864	2371.0	
5 DRC I		20		139.8	105	864		
MT4NPS0046	GRANITE DRYAD	48 8.4	H	340.0	0	0	3993.6	
MTU0192	FLATHEAD	113 22.2	IS	0	24684	124613	32.48	
6 DFC E		295		290.0	24684	124613		
MT4NPS0053	HUNGRY CREEK	47 42.7	H	120.0	0	0	3336.4	
MTU0336	FLATHEAD	113 22.6	IS	0	22653	79231	42.110	
6 DFC E		740		100.0	22653	79231		
MTINPS0055	HUNGRY HORSE DAM	48 20.4	H, I, R	509.0	285000	820000	1729.7	
MTU0565	FLATHEAD	114 0.7	D,	3675000	43000	0	0	
5 DFC I	DOI USBR	1654		472.1	328000	820000		
MT4NPS0045	LONG CREEK	48 8.9	H	225.0	0	0	1725.0	
MTU0191	FLATHEAD	113 31.5	IS	0	3900	7040	245.0	
5 DRC E		22		209.7	3900	7040		
MT5NPS0050	LOWER CANYON CREEK	48 30.4	H	150.0	0	0	6311.6	
MTU0196	FLATHEAD	114 7.6	IS	0	55675	206399	30.579	
6 DFC D		1610		154.0	55675	206399		

FM 2 ID NO	PROJECT NAME	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXST. ENRG/ANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO. NAME OF STREAM	DR. AREA	DR. AREA	STATUS	MX. STUR.	INC. CAP.	INC. ENRG/ANUL. COST	ERC NON-ECONOMIC
FILE	OWNER	(D.M.N)	(D.M.N)	AVE. Q	(FT)	(KW)	TOT. ENRG/ANUL. COST	ERC COMPOSITE
STATUS		(SQ.MI)	(SQ.MI)	(CFS)	(AC FT)	(KW)	(1000 \$)	(SEQUENCE RANK)
MT5NPS0038	MEADOW CREEK GORGE	47 49.9	47 49.9	H	170.0	34884	3799.6	(SEQUENCE RANK)
6 DFC E	FLATHEAD	113 25.0	113 25.0	IS	200.0	34884	25.728	(SEQUENCE RANK)
MT4NPS0039	MEADOW MOUNTAIN	47 47.9	47 47.9	H	235.0	53971	4763.5	(SEQUENCE RANK)
6 DFC D	FLATHEAD	113 24.9	113 24.9	IS	215.0	53971	25.258	(SEQUENCE RANK)
MT6NPS0041	MILE 77	47 41.0	47 41.0	H	350.0	70716	7661.5	(SEQUENCE RANK)
6 DFC D	FLATHEAD	113 21.1	113 21.1	IS	330.0	70716	23.702	(SEQUENCE RANK)
MT7NPS0049	MORRISON CREEK	48 7.0	48 7.0	H	175.0	103	1174.6	(SEQUENCE RANK)
5 DRC D	FLATHEAD	113 17.3	113 17.3	IS	159.8	103	1387.8	(SEQUENCE RANK)
MT4NPS0040	PICTURE CREEK	47 45.3	47 45.3	H	420.0	78798	7820.0	(SEQUENCE RANK)
6 DFC E	FLATHEAD	113 23.8	113 23.8	IS	330.0	78798	21.717	(SEQUENCE RANK)
MT6NPS0048	SCHAFFER MEADOW	48 5.3	48 5.3	H	290.0	16905	4315.8	(SEQUENCE RANK)
6 DFC I	FLATHEAD	113 17.5	113 17.5	IS	270.0	16905	44.619	(SEQUENCE RANK)
MT6NPS0051	SMOKY RANGE	48 31.9	48 31.9	MCR	370.0	118832	11747	(SEQUENCE RANK)
6 DFC E	FLATHEAD	114 6.7	114 6.7	IS	350.0	118832	17.430	(SEQUENCE RANK)
MT4NPS0034	SPOTTED BEAR	47 56.4	47 56.4	H	110.0	103384	10291	(SEQUENCE RANK)
5 DRC D	FLATHEAD	113 33.0	113 33.0	IS	94.9	103384	68.778	(SEQUENCE RANK)
MT5NPS0035	SPOTTED BEAR - ALT	47 55.4	47 55.4	H	150.0	59848	5562.5	(SEQUENCE RANK)
6 DFC E	FLATHEAD	113 31.6	113 31.6	IS	170.0	59848	26.539	(SEQUENCE RANK)





FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	LONGITUDE	STATUS	MX. STUR.	INC. CAP.	INC. ENERGY	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT. ENERGY		ERC COMPOSITE
CODE		(D M.M)	(CFS)	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE		(D M.M)	(CFS)	(CAC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ.MI)		(FT)	(KW)	(MWH)		(SEQUENCE RANK)
MT6MR00149	JEFFERSON CANYON	45 47.9	HI	190.0	0	0	10288	
MTU0132	JEFFERSON	111 48.0	IS	1205000	127981	212911	48.321	
6 SCP I	UNKNOWN	8900		2109.5	127981	212911		
MTNPS0086	BIG CREEK	47 42.4	H	15.0	360	2040	0	
MT03002	LAKE	114 1.3	DP	0	0	0	0	
5 DFC I	BUREAU OF INDIAN AFFAIR	10		565.0	360	2040		
MT4NPS0073	BUFFALO RAPIDS NO 4 LOW	47 26.2	H	109.0	0	0	12662	
MTU0169	LAKE	114 20.4	IS	0	113184	549178	23.56	
6 DFC E		8085		90.6	113184	549178		
MT4NPS0075	BUFFALO RAPIDS NO 2	47 36.4	H	105.0	0	0	11182	
MTU0171	LAKE	114 21.1	IS	0	79402	400012	27.956	
6 DFC E		7150		76.3	79402	400012		
MT6NPS0071	BUFFALO RAPIDS 4 HIGH.	47 26.2	HCR	186.0	0	0	13087	
MTU0149	LAKE	114 20.4	IS	0	186144	1015586	12.886	
6 DFC E		8085		150.4	186144	1015586		
MTJNPS0078	KERR	47 40.6	H C R	186.0	168000	1060000	1306.9	
MT00226	LAKE	114 13.9	DP	1960000	31100	53000	24.660	
2 DFC I	MONTANA POWER CO	7096		186.0	199100	1113000		
MTNPS0081	MCDONALD	47 25.4	I	52.0	0	0	37.702	
MT00590	LAKE	113 59.5	DP	8220	4	38	988.96	
5 DRC I	DDI BIA	21		46.9	4	38		
MT4NPS0072	MOIESE	47 21.4	H	70.0	0	0	7976.5	
MTU0168	LAKE	114 19.1	IS	0	56240	282172	28.268	
6 DFC E		8100		48.2	56240	282172		
MT4NPS3203	SLOAN BRIDGE LOW	47 29.6	H	110.0	0	0	10997	
2 DFC I	LAKE	114 19.2	IS	206000	96000	569400	19.314	
		8000		99.9	96000	569400		









PM 2 ID NO	PROJECT NAME	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	STATUS	MAX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER	AVE. Q	PHR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
CODE		(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(SQ. MI)	(FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS							
MT4NPS0109	FREEZEOUT GULCH	H	110.0	0	0	8351.5	
2	CLARK FORK R	IS	114 36.7	61914	271270	30.786	
	MINERAL		9650	61914	271270		
MT4NPS0105	NEMOTE	H	120.0	0	0	9134.0	
2	CLARK FORK R	IS	114 46.0	70504	308973	29.562	
	MINERAL		9890	70504	308973		
MT4NPS0110	PLATEAU	H	79.0	0	0	4237.4	
2	CLARK FORK R	IS	114 32.8	27200	119800	35.370	
	MINERAL		9590	27200	119800		
MT4NPS0106	QUARTZ CREEK	H	160.0	0	0	7363.2	
6	CLARK FORK R	IS	114 44.8	88776	387761	18.989	
	MINERAL		9710	88776	387761		
MT4NPS0099	SEVEN MILE RAPIDS	H	70.0	0	0	7107.1	
2	CLARK FORK R	IS	114 58.6	47425	207873	34.189	
	MINERAL		10730	47425	207873		
MT4NPS0103	SUPERIOR	H	55.0	0	0	4639.7	
2	CLARK FORK R	IS	114 57.4	28886	126555	36.661	
	MINERAL		10130	28886	126555		
MT4NPS0104	SUPERIOR (ALT)	H	85.0	0	0	7505.0	
2	CLARK FORK R	IS	114 51.7	46268	202713	37.22	
	MINERAL		9985	46268	202713		
MT4NPS0108	TARKIO	H	110.0	0	0	7872.6	
2	CLARK FORK R	IS	114 42.0	62171	272479	28.892	
	MINERAL		9690	62171	272479		
MT4NPS0107	WHISKEY GULCH	H	140.0	0	0	6939.1	
2	CLARK FORK R	IS	114 44.1	84520	370416	18.733	
	MINERAL		9880	84520	370416		



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	DR. AREA	LONGITUDE	MX. STOR.	MX. STOR.	INC. CAP.	INC. ENRG ENERGY COST	ERC NONECONOMIC
CODE			(D M.M)	(D M.M)	AVE. Q	(FT)	TOT. CAP.	TOT. ENERGY	ERC COMPOSITE
FILE			(D M.M)	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)
STATUS			(SQ. MI)	(SQ. MI)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)
MT6MR00171	ALLENSPUR		45 34.1	110 35.0	385.0	0	0	0	29984
MTU0013	PARK		110 35.0	IS	400000	571354	900212	900212	33.308
6 SCP I	DOI USBR		3620	IS	374.0	571354	900212	900212	
MT6MR00172	YANKEE JIM		45 12.0	110 54.0	200.0	0	0	0	10302
MTU0128	PARK		110 54.0	IS	770970	207729	332276	332276	31.6
6 NWR I	UNKNOWN		2700	IS	182.3	207729	332276	332276	
MT6MR00182	FRANCIS LAKE		48 15.7	112 12.3	51.0	0	0	0	486.91
MT01125	PONDERA		112 12.3	DP	111900	6847	16414	16414	29.664
2 NWR I	PONDERA CANAL + RES. CO.		146	IS	32.6	6847	16414	16414	
MT6MR00181	SWIFT RESERVOIR		48 10.0	112 52.3	172.0	0	0	0	402.65
MT00581	PONDERA		112 52.3	DP	34000	4302	10094	10094	40.46
2 SCP I	P		75	IS	157.2	4302	10094	10094	
MT6NPS0123	ARRASTRA CREEK		46 56.2	112 53.8	160.0	0	0	0	4080.6
MTU0214	POWELL		112 53.8	IS	0	20791	28939	28939	141.0
5 DRC E			460	IS	139.8	20791	28939	28939	
MT7NPS0115	BOX CANYON (OVANDO B)		46 59.9	113 12.7	290.0	0	0	0	10194
MTU0210	POWELL		113 12.7	IS	0	29734	191739	191739	53.168
5 DFC D			1270	IS	320.0	29734	191739	191739	
MT4NPS0121	FRAZIER CREEK		46 56.8	113 7.0	155.0	0	0	0	3749.3
MTU0212	POWELL		113 7.0	IS	0	9125	58844	58844	63.716
5 DFC E			917	IS	136.0	9125	58844	58844	
MT4NPS0128	LOST PONY CR		47 10.2	112 48.5	165.0	0	0	0	3430.5
MTU0221	POWELL		112 48.5	IS	0	96	580	580	5909.0
5 DRC I			41	IS	149.8	96	580	580	
MT6NPS0122	LOWER LINCOLN CANYON		46 56.4	112 55.1	140.0	0	0	0	4126.7
MTU0213	POWELL		112 55.1	IS	0	18967	26575	26575	155.28
5 DRC S			470	IS	124.8	18967	26575	26575	

PM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO. - OWNER	NAME OF STREAM	DR. AREA (D M. M)	STATUS	MAX. STOR. HD. (FT)	INC. CAP. TOT. CAP. (KW)	INC. ENRG	ENERGY COST	ERC NONECONOMIC
CODE			(D M. M)	AVE. Q (CFS)	(AC FT)	(KW)	TOT. ENRG	(1000 \$)	ERC COMPOSITE
FILE			(SQ. MI)		(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS							(MWH)		(SEQUENCE RANK)
MTCNPS0130	NEVADA CREEK	46 48.1	112 48.5	I	75.0	0	0	43.199	
5	POWELL	112 48.5	145	DP	14250	20	181	238.20	
5	DEPT OF NAT RES + CONS				69.9	20	181		
MTSNPS0119	SCARFACE BURNT	47 32.0		H	260.0	0	0	7721.8	
6	POWELL	113 17.9	403	IS	275.0	33927	155063	49.798	
6						33927	155063		
MT4NPS0133	BLODGETT CR	45 50.5		H	120.0	0	0	3198.9	
5	RAVALLI	114 13.6	472	IS	99.9	14308	25354	126.16	
5						14308	25354		
5	FRED BURR DAM	46 21.4		I	48.0	0	0	37.497	
5	RAVALLI	114 19.0		DP	630	3	31	1208.2	
5	MONT STATE WATER RESOURC		11		43.9	3	31		
5									
5	LAKE COMO	46 3.7		IR	64.0	0	0	45.1	
5	RAVALLI	114 13.9	53	DP	39700	48	375	119.69	
5	DOI USBR				54.9	48	375		
5	LOWER TRAPPER CR	45 53.8		H	80.0	0	0	2029.4	
5	RAVALLI	114 10.6	546	IS	59.9	10392	17766	114.22	
5						10392	17766		
5	PAINTED ROCKS DAM AND RES.	45 43.0		I	140.0	0	0	376.90	
2	RAVALLI	114 16.7	312	DP	42200	3900	15000	25.126	
2	DEPT OF NAT RES + CONS				140.0	3900	15000		
5	PICKERAL LODGE	45 48.9		H	120.0	0	0	3020.3	
5	RAVALLI	114 15.1	431	IS	99.9	13065	23184	130.27	
5						13065	23184		
5	UPPER AND LOWER SULA	45 50.1		H	220.0	0	0	2472.7	
5	RAVALLI	113 59.3	352	IS	200.0	5961	41375	59.765	
5						5961	41375		



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PH 2 ID NO	PROJECT NAME	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
PH 1 ID NO	PRIMARY CO. NAME OF STREAM	STATUS	MX. STOR.	INC. CAP.	INC. ENRG ENERGY COST	ERC NON-ECONOMIC
ACTV CODE	OWNER	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRG	ERC COMPOSITE
CODE		(D M. N)	(FT)	(KW)	(MWH)	(1000 \$)
FILE		(D M. N)	(AC FT)	(KW)	(MWH)	(\$/MWH)
STATUS		(80 MI)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
MT6NPS0147	PERMA	47 20.1	MC	0	0	30946
MTU0167	SANDERS	114 38.7	IS	336899	2159447	14.330
6 DFC E		8933	-14936.6	336899	2159447	
MT4NPS0152	PLAINS	47 30.3	H	0	0	13220
MTU3014	SANDERS	114 56.8	IS	100369	477568	27.683
6 DFC E		20160	-20523.6	100369	477568	
MT4NPS0154	QUINN SPRINGS	47 18.5	H	0	0	12879
MTU3016	SANDERS	114 49.4	IS	92561	405271	31.779
2 DFC E		10820	-7815.6	92561	405271	
MT4NPS0101	SIEGEL	47 19.2	H	0	0	5408.9
MTU3019	SANDERS	114 48.1	IS	38585	169059	31.994
2 DFC S		10825	-7819.2	38585	169059	
MT4NPS0155	SMOKY CREEK	48 2.9	H	0	0	1861.4
MTU3029	SANDERS	115 49.9	IS	2083	10752	173.11
5 DRC D		136	-394.8	2083	10752	
MT4NPS0162	THOMPSON FALLS	47 35.5	H	30000	260000	2497.6
MTU0224	SANDERS	115 21.5	DP	60000	113680	21.932
2 DFC I	MONTANA POWER CO	20968	-15145.8	90000	373880	
MT4NPS0160	THOMPSON RIVER	47 39.7	H	0	0	1051.1
MTU3035	SANDERS	115 7.9	IS	902	7130	147.41
5 DRC E		532	-419.4	902	7130	
MT4NPS0158	UPPER SCRIBNER	47 49.0	H	0	0	787.29
MTU3033	SANDERS	115 17.8	IS	114	1001	785.77
5 DRC I		50	-143.0	114	1001	
MT4NPS0145	VIEWPOINT	47 37.0	H	0	0	23862
MTU0164	SANDERS	115 11.2	IS	39814	247640	96.358
5 DFC D		632	-502.3	39814	247640	







... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF NEBRASKA

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW = 5 MW			5 MW = 10 MW			10 MW = 15 MW			.05 MW = 15 MW		
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
	INST	POTEN	INCR	INST	POTEN	INCR	INST	POTEN	INCR	INST	POTEN	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
NUMBER	0	0	0	1	0	0	0	0	0	0	0	3
CAPACITY	4.1	0	0	7.8	0	0	0	0	0	0	0	12.0
ENERGY	13	0	0	30	0	0	0	0	0	0	0	43
NUMBER	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY	0	0	0	0	0	0	0	0	0	0	0	0
ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
NUMBER	0	1	0	0	0	0	0	0	0	0	0	0
CAPACITY	0	1.7	0	0	0	0	0	0	0	0	0	0
ENERGY	0	11	0	0	0	0	0	0	0	0	0	0
NUMBER	0	1	0	0	0	0	0	0	0	0	0	0
CAPACITY	0	2.0	0	0	0	0	0	0	0	0	0	0
ENERGY	0	12	0	0	0	0	0	0	0	0	0	0
NUMBER	2	0	0	1	0	0	0	0	0	0	0	0
CAPACITY	4.1	3.7	0	7.8	0	0	0	0	0	0	0	0
ENERGY	13	23	0	30	0	0	0	0	0	0	0	0
TOTAL	4.1	3.7	0	7.8	0	0	0	0	0	0	0	0
ENERGY	13	23	0	30	0	0	0	0	0	0	0	0

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPACITY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF NEBRASKA

POTENTIAL INCREMENTAL CAPACITY RANGES

	.05 MW - 15 MW				15 MW - 25 MW				GREATER THAN 25 MW				TOTAL		
	EXIST*	UNDEV*	TOTAL**	INST*	EXIST*	UNDEV*	TOTAL**	INST*	EXIST*	UNDEV*	TOTAL**	INST*	EXIST*	UNDEV*	TOTAL**
	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*
0-19	3*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	4*	0*	0*
	11.9*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	26.1*	0.0*	0.0*	0.0*	38.0*	0.0*	0.0*
	43.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	100.0*	0.0*	0.0*	0.0*	143*	0.0*	0.0*
20-49	0*	0*	0*	0*	0*	0*	0*	0*	39.9*	0.0*	0.0*	0.0*	39.9*	0.0*	0.0*
	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	131*	0.0*	0.0*	0.0*	131*	0.0*	0.0*
50-99	0*	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
	0.0*	1.6*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
	0.0*	11.1*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
>100	0*	0*	1*	0*	0*	0*	0*	0*	2*	0*	0*	0*	3*	0*	0*
	0.0*	2.0*	18.0*	18.0*	0.0*	0.0*	0.0*	0.0*	86.0*	0.0*	0.0*	0.0*	104*	0.0*	0.0*
	0.0*	12.3*	72.0*	72.0*	0.0*	0.0*	0.0*	0.0*	244*	0.0*	0.0*	0.0*	316*	0.0*	0.0*
TOTAL	3*	0*	2*	1*	0*	0*	0*	0*	4*	0*	0*	0*	8*	0*	0*
	11.9*	0.0*	3.6*	18.0*	0.0*	0.0*	0.0*	0.0*	152*	0.0*	0.0*	0.0*	182*	0.0*	0.0*
	43.0*	0.0*	23.4*	72.0*	0.0*	0.0*	0.0*	0.0*	475*	0.0*	0.0*	0.0*	590*	0.0*	0.0*

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
COLUMN 3 = UNDEVELOPED POTENTIAL

COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
CAPTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

FM 2 ID NO	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	ANUL. COST	ERC ECONOMIC
ACTV DEP	FILE	STATUS	DR. AREA	(D M.M)	(D M.M)	(SQ. MI)	(AC FT)	(KH)	(MWH)	(1000 \$)	ERC NON-ECONOMIC
5	DRC	I	WPRS	WPRS	WPRS	WPRS	WPRS	WPRS	WPRS	WPRS	WPRS
NECMR00240	NORDEN	NIOBRARA RIVER	100 0.0	8390	IR	180.0	41100	21992	0	1091.3	2988
2	DRC	I	WPRS	WPRS	WPRS	WPRS	WPRS	WPRS	WPRS	WPRS	WPRS
NEIMR00202	KEAPNEY DIVERSION DAM RESERV	PLATE RIVER	40 41.2		I	0	0	1500	2000	0	2988
NE01398	BUFFALO	PLATE RIVER	99 20.9		OP	84	0	0	0	0	2988
5	DRA	I	NE PUBLIC POWER DISTRICT			-5.1		0			2988
NECMR00209	HERRITT RESERVOIR	SNAKE RIVER	42 38.0		IR	115.0	0	0	0	237.39	1920
NE01074	CHERRY	SNAKE RIVER	100 52.3		OP	86100	2040	2040	12381	19.173	1920
2	NWR	I	DOI USBR			106.9	2040	2040	12381		1920
NEIMR00215	LAKE MC CONAUGHY	NORTH PLATTE	41 14.2		HIC	158.0	50000	50000	100000	0	1920
NE01048	DEITH	NORTH PLATTE	101 39.9		OP	220000	0	0	0	0	1920
5	DFC	I	CEN NE PUB PWR + IR DIST			135.7	50000	50000	100000	0	1920
NECMR00247	CALAMUS	CALAMUS RIVER	41 49.9		IR	85.0	0	0	0	219.98	2936
NE01025	GOSPER	PLATTE OFFSTR	99 50.4		OP	128200	1652	1652	11114	19.793	2936
2	DRC	I	WPRS			74.9	1652	1652	11114		2936
NEIMR00225	JOHNSON RESERVOIR	PLATTE OFFSTR	40 40.4		HIC	117.0	36000	36000	144000	0	2936
NE01025	GOSPER	PLATTE OFFSTR	99 50.4		OP	44000	0	0	0	0	2936
5	DFC	I	CEN NE PUB PWR + IR DIST			106.0	36000	36000	144000	0	2936
NECMR00228	NORTHERN NEBRASKA PLANT NO 14	NIOBRARA RIVER	42 48.5		H	23.0	2640	2640	7343	0	2936
NE00628	HOLT	NIOBRARA RIVER	98 39.4		OP	5000	0	0	0	0	2936
5	DRC	I	NE PUBLIC POWER DIST			8.2	2640	2640	7343	0	2936
NEIMR00235	JEFFERY REGULATING RESERVOIR	PLATTE OFFSTR	40 57.6		HI	118.0	18000	18000	55941	0	2936
NE01036	LINCOLN	PLATTE OFFSTR	100 24.3		OP	64000	0	0	0	0	2936
5	DRC	I	CEN NE PUB PWR + IR DIST			106.1	18000	18000	55941	0	2936
NEIMR00802	NORTH PLATTE	PLATTE CANAL	41 5.9		I	0	26100	26100	100000	0	2936
NE01036	LINCOLN	PLATTE CANAL	100 48.0		OP	0	0	0	0	0	2936
5	DRA	I	NPPD			0	0	0	0	0	2936

PM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
CODE		(D M. M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(D M. M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(90. MI)	(CFS)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
NEHMR00243	LAKE BARCOCK-LAKE NORTH	41 28.0	H	32.0	39900	19540	0	
NE01053	PLATTE LOUP CANAL	97 22.0	DP	2000	0	0	0	
5 DRC I	LOUP RIVER PUB PWR DIST	57600		1636.0	39900	19540		
NEIMR00801	MONROE LOUP CANAL	41 30.0	H	0	7838	30000	0	
5 DRA I	LOUP RIVER PPD	97 35.9	DP	0	0	0	0	

• • • PRELIMINARY ESTIMATE • • •

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF NEVADA

POTENTIAL INCREMENTAL CAPACITY RANGES															
SITE	NUMBER	CAPACITY	ENERGY	15 MW - 25 MW				GREATER THAN 25 MW				TOTAL			
				EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL						
				INST	POTEN	INCR	TOTAL	INST	POTEN	INCR	TOTAL	EXIST	UNDEV	TOTAL	
				1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
0-19	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-49	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50-99	2	3.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
>100	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	3	3.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)





FM 2 ID NO	PROJECT NAME	PRIMARY CD.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	MANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	DR. AREA	DM. AREA	DM. AREA	STATUS	MX. STOR.	MX. STOR.	MX. STOR.	INC. ENRGY	ENERGY COST	ERC COMPOSITE
CODE	FILE	(D M. M)	(D M. M)	(D M. M)	(D M. M)	AVE. Q	(AC FT)	(AC FT)	(AC FT)	TOT. ENRGY	(1000 \$)	(SEQUENCE RANK)
STATUS	STATUS	(30 MI)	(30 MI)	(30 MI)	(30 MI)	(CFS)	(FT)	(FT)	(FT)	(MMH)	(\$/MMH)	(SEQUENCE RANK)
NVSPK0736	CARSON RIVER DIVERSION	US	CARSON RIVER	39 29.6	118 59.6	OP	348	22.0	750	0	35.524	
NV0120	CHURCHILL	US	CARSON RIVER	118 59.6	1800	OP	500.0	4.9	0	0	107294	
NVSPK0737	LAHONTAN RESERVOIR			39 27.8		3HR80.		0	2400	13000	241.52	
NV0123	CHURCHILL		CARSON RIVER	119 3.9		OP	426480	4240	1840	6590	36.650	
NVSPK0738	STILLWATER POINT RESERVOIR			39 31.9		R		6.0	0	0	37.349	
NV0133	CHURCHILL		STILLWATER CA	118 28.8		OP	19000	19000	1	11	3300.7	
NVSPK0740	HOYE CANYON RESERVOIR			38 42.4		IC		75.0	0	0	2039.9	
NV0020	DOUGLAS		WALKER RIVER	119 35.9		18	75000	75000	1315	7608	268.12	
NVSPK0741	TOPAZ RESERVOIR			38 41.6		I		0	0	0	51.153	
NV0093	DOUGLAS		WALKER RIVER	119 30.8		OP	59440	26.9	37	319	160.30	
NVSPK0739	WATASHEAMU RESERVOIR			38 49.9		HIC		246.0	0	0	4980.8	
NV0015	DOUGLAS		EAST FORK CAR	119 41.9		18	115000	235.7	52832	68716	72.484	
NVSPK0745	BISHOP CREEK RESERVOIR			41 15.3		I		0	0	0	53.580	
NV0050	ELKO		BISHOP CREEK	114 54.8		OP	30000	46.9	91	604	88.668	
NVSPK0748	DAKE RESERVOIR			41 21.7		I		0	0	0	59.460	
NV00109	ELKO		THOUSAND SPR	114 5.0		OP	7457	27.9	78	634	93.661	
NVSPK0744	DEVILS GATE RESERVOIR			41 11.0				124.0	0	0	1285.0	
NV00017	ELKO		NORTH FORK HU	115 30.0			80000	99.9	77	463	2774.7	



FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRG		ERC COMPOSITE
CODE		(D M. N)		(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE		(D M. N)	(CFS)	(CAC FT)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(80. MI)		(FT)	(MWH)	(MWH)		(SEQUENCE RANK)
NVSSPK0763	EUREKA RESERVOIR	39 12.0	HIC	10.0	0	0	2384.7	
NVU0018	LYON	119 37.9	IS	0	5757	45118	52.853	
5 DRC I	CARSON RIVER	876		199.8	5757	45118		
NVGSPOK0765	26 FOOT DROP POWER PLANT	39 29.0	H	26.0	800	3837	0	
NV80000	LYON	118 53.5	OP	0	0	0	0	
5 DRC	SIERRA PACIFIC POWER CO	2000		24.9	800	3837	0	08
NVCSPOK0766	WERER RESERVOIR	39 2.7	I	43.0	0	0	55.970	
NV10132	MINERAL	118 51.6	OP	14000	72	554	100.90	
5 DRC	DOT BIA	2700		32.9	72	554		
NVCSPOK0768	LOWER PITT TAYLOR RESERVOIR	40 36.3	I	27.0	0	0	35.581	
NV00063	PERSHING	118 18.0	OP	22200	0	0	62886	
5 DRC	PCWCD	15700		20.9	0	0		
NVCSPOK0769	RYE PATCH RESERVOIR	40 28.2	IRD.	78.0	0	0	207.43	
NV10124	PERSHING	118 18.0	OP	21300	1200	5430	38.201	
2 DFC	US - WPRS	15700		63.9	1200	5430		
NVASPOK0770	DERRY DAM	39 35.1	IHS	31.0	0	0	36.612	
NV10121	STONEY	119 26.8	OP	560	0	3	11504	
5 DRC	US - WPRS	1700		13.9	0	3		
NVCSPOK0771	UPPER WALL CREEK RESERVOIR	41 9.8	I	75.0	0	0	61.959	
NV00023	WASHOE	119 48.9	OP	3800	112	904	68.520	
5 DRC	LENTS COCKRELL	243		68.9	112	904		
NVCSPOK0777	KEYSTONE RESERVOIR	39 17.9	IC	50.0	0	0	477.43	
NVU0023	WHITE PINE	114 58.4	IS	1500	15	137	3479.3	
5 DRC I	GLEASON CREEK	114 55		38.9	15	137		





PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF NEW HAMPSHIRE

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL		
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	
	INCR	POTEN	INCR	INCR	POTEN	INCR	INCR	POTEN	INCR	INCR	POTEN	
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	
	4 CAP											
NUMBER	4	0	0	0	0	0	0	0	0	4	0	
CAPCTY	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	
ENERGY	46.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.7	0.0	
NUMBER	10	1	0	0	0	0	0	0	0	11	1	
CAPCTY	41.1	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.1	3.8	
ENERGY	181	177	82.6	0.0	0.0	0.0	0.0	0.0	0.0	264	176	
NUMBER	3	0	0	0	0	0	0	0	0	3	0	
CAPCTY	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0	
ENERGY	65.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.7	0.0	
NUMBER	1	0	0	0	0	0	0	0	0	1	0	
CAPCTY	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	
ENERGY	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	
NUMBER	18	1	0	0	0	0	0	0	0	19	0	
CAPCTY	70.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.3	1.1	
ENERGY	339	52	180	0.0	0.0	0.0	0.0	0.0	0.0	491	180	
TOTAL	103	339	523	180	0.0	0.0	0.0	0.0	0.0	103	339	

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 COLUMN 5 = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 COLUMN 6 = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT\*HOUR)

PM 2 ID NO	PROJECT NAME	PROJECT NO.	STATUS	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG.	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	LONGITUDE	DR. AREA	AVE. G	PHR. HD.	INC. CAP.	INC. ENRG.	ENERGY COST	ERC NONECONOMIC
ACTV CODE	OWNER	(D M.M)	(SQ. MI)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
FILE		(D M.M)	(SQ. MI)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ. MI)	(SQ. MI)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
NH005565	EVERY DAM	43 31.6	403	0	0	0	0	201.7	1434
NH 2130	BELKNAP	71 28.0	403	DP	2600	587	3204	62.754	1434
2 DRC I	N.H. WATER RESOURCES BOARD				11.0	587	3204		1434
NH008501	LAKEPORT DAM	43 33.4		0	11.0	0	0	302.14	1505
NH02129	BELKNAP	71 28.0		DP	0	1321	3711	81.401	1505
2 DRC	NH WATER RESOURCES BOARD				11.0	1321	3711		1505
NH005573	LOCKMERE	43 28.3		OR	0	0	0	203.16	1450
NH 382	BELKNAP	71 31.9		DP	33280	558	3070	66.164	1450
2 DRC I	N.H. WATER RESOURCES BOARD				10.0	558	3070		1450
NH0057072	TILTON	43 26.7		H	48.0	0	0	1370.6	2051
NH01478	BELKNAP	71 38.7		IS	4500	20000	29600	46.304	2049
2 DFC I	WINNIPESAUKEE				92.0	20000	29600		2049
NH005568	WINNIPESKE R 2	43 26.5		DP	0	0	0	212.58	1402
NH 4017	BELKNAP	71 35.6		DP	200	709	3743	56.785	1402
2 DRC D	TOWN OF TILTON				12.0	709	3743		1402
NH005583	BERRY BAY DAM	43 47.5		0	0	0	0	486.32	1468
NH 1281	CARROLL	71 3.7		DP	47200	3894	6929	70.180	1468
2 DRC I	CENTRAL MAINE POWER CO.				15.0	3894	6929		1468
NH0058020	GOODRICH FALLS	44 7.8		H	68.0	650	2000	44.838	1285
NH02097	CARROLL	71 11.4		DP	0	508	1260	35.586	1285
2 DRC	GOODRICH FALLS HYDRO ELEC. CO.				68.0	1158	3260		1285
NH005597	PEQUANKT D	43 58.6		8	0	0	0	188.79	1453
NH 943	CARROLL	71 7.3		DP	1150	484	2836	66.563	1453
2 DRC I	UNKNOWN				10.0	484	2836		1453
NH005570	WILDCAT BROOK	44 8.4		0	112.0	0	0	145.6	1428
NH02008	CARROLL	71 10.7		DP	0	1046	2348	61.775	1428
2 DRC	UNKNOWN				112.0	1046	2348		1428





PM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER		LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
CODE			DR. AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT. ENRG		ERC COMPOSITE
FILE			(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
STATUS			(80.MI)	(FT)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
NHGNED8003	CASCADES		44 27.0	H	46.0	7200	5400	0	
NH61604	CONR	ANDROSCOGGIN	71 11.4	OP	0	0	0	0	
2 DFC	BROWN, NH INC.		1380		45.9	7200	5400		
NHGNED8001	CROSS POWER		44 27.6	H	21.0	3200	18000	0	
NH60826	CONR	ANDROSCOGGIN	71 11.4	OP	0	0	0	0	
2 DFC	BROWN, NH INC.		1380		20.9	3200	18000		
NHGNED5716	ERRAL DAM		44 47.2	0	0	0	0	945.67	1369
NH 1351	CONR	ANDROSCOGN	71 7.5	OP	10000	8720	19018	49.724	1369
2 DRC I	UNION WATER POWER CO.		1095		15.0	8720	19018		
NHGNED5718	GROVETON PAPER		44 33.4	0	0	0	0	809.94	1401
NH 3102	CONR	CONN R	71 33.1	OP	1700	6549	14286	56.692	1401
2 DRC I	GROVETON PAPERS CO.		1028		12.0	6549	14286		
NHGNED8006	J. BORDIE SMITH		44 24.0	H	87.0	15000	97608	124.30	1050
NH60429	CONR	ANDROSCOGGIN	71 7.1	OP	0	2490	20935	5.9379	1050
2 DRC	PURIC SERVICE CO.		1372		87.0	17490	118543		
NHGNED5724	LAKF FRANCIS		45 2.7	0	0	0	0	246.67	1162
NH 3312	CONR	CONN R	71 22.9	OP	96000	2235	11999	20.556	1162
2 DRC I	N.H. WATER RESOURCES BOARD		165		100.0	2235	11999		
NHGNED8005	LEAD MINE BRIDGE		44 24.0	H	18.0	3720	14000	0	
NH63696	CONR	ANDROSCOGGIN	71 7.1	OP	0	0	0	0	
2 DFC	BROWN, NH INC.		1494		17.9	3720	14000		
NHGNED8528	NEW ENGLAND ELECTRIC SYSTEM		45 4.9	0	27.0	0	0	147.35	1393
NH03302	CONR	CONNECTICUT R	71 17.4	OP	0	706	2733	53.902	1393
2 DRC	NEW ENGLAND POWER CO.		82		27.0	706	2733		
NHGNED5715	PONTOK DAM		44 37.1	R	0	0	0	1012.9	1373
NH 1202	CONR	ANDROSCOGN	71 15.0	OP	0	9254	20182	50.192	1373
2 DRC I	DIRECTOR, DIVISION OF PARK		1245		14.0	9254	20182		



FM 2 ID NO	PROJECT NAME	LONGITUDE	DAM HT	EXIST. CAP.	EXIST. ENRG. ANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO. NAME OF STREAM	DR AREA	MX. STOR.	INC. CAP.	INC. ENRG. ENERGY COST	ERC NON-ECONOMIC
CODE	OWNER	(D M.M)	(FT)	(KW)	(MWH)	(1000 \$)
FILE		(D M.M)	(AC FT)	(KW)	(MWH)	(\$/MWH)
STATUS		(SQ.MI)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
NHGNED009	FIFTEEN MILE FALLS	44 20.3	159.0	140400	251000	1530.3
NH62309	GRAFTON CONNECTICUT R	71 52.8	0	74677	60651	25.231
2 DRC	NEW ENGLAND POWER CO.	1600	159.0	215077	311651	1202
NHNNED820	LITTLETON 1	44 17.9	0	0	0	150.34
NH2293	GRAFTON AMMONOSUC	71 42.8	0	457	2099	71.611
2 DRC	LITTLETON WATER AND LIGHT DE	230	15.0	457	2099	1474
NHANNED856	MAD RIVER ONE	43 52.3	36.0	0	0	96.233
NH00599	GRAFTON MAD RIVER	71 38.2	0	342	1376	69.901
2 DRC	USDA FOREST SERVICE	57	36.0	342	1376	1467
NHNNED853	MASCOMA RIVER THREE	43 39.2	0	0	0	163.69
NH02198	GRAFTON MASCOMA RIVER	72 13.4	0	567	1825	89.685
2 DRC	TOWN OF LEBANON	150	16.0	567	1825	1527
NHNNED854	MASCOMA RIVER TEN	43 38.8	15.0	0	0	184.22
NH02205	GRAFTON MASCOMA RIVER	72 17.3	0	687	2213	83.240
2 DRC	TOWN OF LEBANON	194	15.0	687	2213	1513
NHNNED857	MASCOMA RIVER SEVEN	43 39.1	19.0	0	0	184.30
NH22202	GRAFTON MASCOMA RIVER	72 15.0	0	844	2716	67.844
2 DRC	SM DEVELOPMENT CORP.	188	19.0	844	2716	1458
NHNNED8521	MASCOMA RIVER EIGHT	43 39.1	15.0	0	0	178.4
NH02203	GRAFTON MASCOMA RIVER	72 15.0	0	641	2064	86.227
2 DRC	DANTELS TRANSPORTATION CO.	181	15.0	641	2064	1524
NHGNED8017	N E POWER 2	44 15.5	30.0	10560	44000	64.485
NH62793	GRAFTON CONN. RIVER	72 3.5	0	1261	14463	4.4586
2 DRC	N E POWER CO.	2200	30.0	11821	58463	1035
NHNNED8558	NEWFOUND RIVER ELEVEN	43 36.1	30.0	0	0	116.22
NH20560	GRAFTON PEMISEWASSET	71 44.2	0	475	1888	61.538
2 DRC	HENRY HARRIS	94	30.0	475	1888	1426





FM 2 ID NO	PROJECT NAME	PRIMRY CO.	NAME OF STREAM	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR.AREA	MY.STOR.	STATUS	AVE. G	PRM. HD.	TOT. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
CODE	FILE	(D M.H)	(CFT)	(CFS)	(KW)	(MWH)	(MWH)	(1000 \$)	(\$/MWH)	ERC COMPOSITE
STATUS	(80.MT)	(AC FT)	(KW)	(MWH)	(MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
NHMNED0518	CONTOCOOK RIVER	CONTOCOOK RIVER	CONTOCOOK RIVER	43 16.1	0	0	0	0	231.52	1425
2 DRC	MERRIMACK	MERRIMACK	MERRIMACK	71 36.6	DP	720	720	3767	61.451	1425
	NH WATER RES. BOARD			765	-1259.2			3767		1425
NHMNED0519	CONTOCOOK RIVER	CONTOCOOK RIVER	CONTOCOOK RIVER	43 16.1	0	0	0	0	212.88	1447
2 DRC	MERRIMACK	MERRIMACK	MERRIMACK	71 35.4	DP	610	610	3250	65.486	1447
	NH WATER RES. BOARD			769	-1265.8			3250		1447
NHMNED0520	CONTOCOOK RIVER	CONTOCOOK RIVER	CONTOCOOK RIVER	43 16.1	0	0	0	0	240.0	1266
2 DRC	MERRIMACK	MERRIMACK	MERRIMACK	71 35.9	DP	1277	1277	7256	33.73	1266
	UNKNOWN			765	-1259.2			7256		1266
NHMNED0521	CONTOCOOK RIVER	CONTOCOOK RIVER	CONTOCOOK RIVER	43 9.0	0	0	0	0	194.28	1445
2 DRC	MERRIMACK	MERRIMACK	MERRIMACK	71 49.2	OP	592	592	2997	64.824	1445
	UNKNOWN			380	-656.6			2997		1445
NHMNED0522	CONTOCOOK RIVER 2	CONTOCOOK RIVER 2	CONTOCOOK RIVER 2	43 13.2	0	0	0	0	183.12	1492
2 DRC	MERRIMACK	MERRIMACK	MERRIMACK	71 43.1	DP	456	456	2388	76.666	1492
	UNKNOWN			388	-638.6			2388		1492
NHGNED8014	EASTMAN FALLS	EASTMAN FALLS	EASTMAN FALLS	43 29.4	H	3000	3000	17247	74.864	1103
2 DRC	MERRIMACK	MERRIMACK	MERRIMACK	71 39.0	DP	1892	1892	7147	10.474	1103
	PUBLIC SERVICE CO.	PUBLIC SERVICE CO.	PUBLIC SERVICE CO.	1013	-1876.6			24394		1103
NHGNED8008	GARVIN FALLS	GARVIN FALLS	GARVIN FALLS	44 29.4	H	5600	5600	40000	0	
2 DFC	MERRIMACK	MERRIMACK	MERRIMACK	71 10.2	DP	0	0	0	0	
	PUBLIC SERVICE CO.	PUBLIC SERVICE CO.	PUBLIC SERVICE CO.	2340	-4359.3			40000		
NHONED0506	GILES POND	GILES POND	GILES POND	43 27.0	0	0	0	0	100.20	1394
2 DRC	MERRIMACK	MERRIMACK	MERRIMACK	71 39.5	DP	462	462	1811	55.308	1394
	MARTIN A. CRAWLEY	SALMON BROOK	SALMON BROOK	25	-45.3			1811		1394
NHGNED8012	HOKSETT	HOKSETT	HOKSETT	43 5.9	H	1600	1600	10800	97.721	1114
2 DRC	MERRIMACK	MERRIMACK	MERRIMACK	71 26.9	DP	939	939	8126	12.25	1114
	PUBLIC SERVICE CO.	PUBLIC SERVICE CO.	PUBLIC SERVICE CO.	2807	-4794.8			18926		1114



FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	INC. ENRGY	TOT. ENRGY	ANNUAL COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM OWNER	DR AREA (D M, M)	(D M, M)	STATUS	MX STOR	(KN)	(KN)	(MWH)	(MWH)	(MWH)	(\$/MWH)	ERC COMPOSITE
ACTV DEP		(80 MI)	(FT)	(CFS)	(FT)	(KN)	(KN)	(MWH)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
CODE												(SEQUENCE RANK)
FILE												(SEQUENCE RANK)
STATUS												(SEQUENCE RANK)
NHNNED0511	WINNIPESAUKE 1	43 27.0	71 38.3	0	17.0	0	1166	0	6093	6093	228.61	1302
NH01453	HERRIMACK	71 38.3	475	DP	0	1166	1166	0	6093	6093	37.518	1302
2 DRC	UNKNOWN	475		-1035.8	17.0	1166	1166	0	6093	6093	37.518	1302
NHNNED0512	WINNIPESAUKE 2	43 27.0	71 38.3	0	17.0	0	1166	0	6093	6093	228.61	1303
NH01454	HERRIMACK	71 38.3	475	DP	0	1166	1166	0	6093	6093	37.518	1303
2 DRC	UNKNOWN	475		-1035.8	17.0	1166	1166	0	6093	6093	37.518	1303
NHNNED0513	WINNIPESAUKE 3	43 27.0	71 38.3	0	25.0	0	1295	0	7714	7714	203.90	1215
NH01455	HERRIMACK	71 38.3	475	DP	0	1295	1295	0	7714	7714	26.429	1215
2 DRC	UNKNOWN	475		-1035.8	25.0	1295	1295	0	7714	7714	26.429	1215
NHNNED0514	WINNIPESAUKE 4	43 27.0	71 38.3	0	16.0	0	1121	0	5799	5799	229.74	1319
NH01456	HERRIMACK	71 38.3	475	DP	0	1121	1121	0	5799	5799	39.616	1319
2 DRC	UNKNOWN	475		-1035.8	16.0	1121	1121	0	5799	5799	39.616	1319
NHNNED0515	WINNIPESAUKE 5	43 27.0	71 38.3	0	17.0	0	1166	0	6093	6093	228.61	1304
NH01457	HERRIMACK	71 38.3	475	DP	0	1166	1166	0	6093	6093	37.518	1304
2 DRC	UNKNOWN	475		-1035.8	17.0	1166	1166	0	6093	6093	37.518	1304
NHNNED0516	WINNIPESAUKE 6	43 27.0	71 38.3	0	17.0	0	1180	0	6170	6170	230.12	1299
NH01458	HERRIMACK	71 38.3	481	DP	0	1180	1180	0	6170	6170	37.293	1299
2 DRC	PUBLIC SERVICE CO.	481		-1048.9	17.0	1180	1180	0	6170	6170	37.293	1299
NHNNED0517	WINNIPESAUKE 8	43 27.0	71 38.3	0	18.0	0	1164	0	6341	6341	222.57	1281
NH01460	HERRIMACK	71 38.3	487	DP	0	1164	1164	0	6341	6341	35.100	1281
2 DRC	UNKNOWN	487		-1063.9	18.0	1164	1164	0	6341	6341	35.100	1281
NHNNED0528	LAMPREY RIVER	43 4.9	70 56.0	0	0	0	1253	0	5236	5236	173.80	1268
NH 3020	ROCKINGHAM	70 56.0	208	DP	185	1253	1253	0	5236	5236	33.191	1268
2 DRC I	ESSAY INTERNATIONAL INC.	208		-315.9	36.0	1253	1253	0	5236	5236	33.191	1268
NHNNED0542	HERRIMACK	42 51.4	71 29.8	0	18.0	0	502	0	2164	2164	147.5	1459
NH02661	ROCKINGHAM	71 29.8	172	DP	0	502	502	0	2164	2164	67.936	1459
2 DRC	PENNICHUCK WATER WORKS	172		-286.8	18.0	502	502	0	2164	2164	67.936	1459



FM 2 ID NO	PROJECT NAME	PRIMARY CO. NAME	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAN HT	EXIST. CAP.	INC. CAP.	INC. ENERGY	ENERGY COST	ERC ECONOMIC
FM 1 ID NO	ACTV DEP	CODE	FILE	DR. AREA	(D M.M)	(D M.M)	(90 MI)	AVE. 0	(AC FT)	(MHH)	(MHH)	(MHH)
				(90 MI)	(CFS)	(FT)	(KW)	(KW)	(KW)	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)
												(SEQUENCE RANK)
NHANED8550	SPICKET RIVER WHEELERS	ROCKINGHAM	SPICKETT RIVER	42 48.9	71 12.1	0	80.0	0	0	81.59	82.548	1509
NH03593	ROCKINGHAM	SPICKETT RIVER	71 12.1	23	0	0	80.0	257	981	82.548	1509	1509
2 DRC	SPICKET RIVER CORP.		23		-26.1	0	80.0	257	981			1509
NHMHED8510	COCHECO RIVER ONE	STAFFORD	COCHECO RIVER	43 16.7	70 58.8	0	25.0	0	0	97.114	82.639	1511
NH03515	STAFFORD	COCHECO RIVER	70 58.8	0	0	0	25.0	269	1175			1511
2 DRC	RINDGE INDUSTRIES		77		-116.6	0	25.0	269	1175			1511
NHMHED6059	COCHECO RV FOU	STAFFORD	COCHECO RV	43 12.0	70 52.5	0	0	0	0	163.2	37.468	1301
NH 1151	STAFFORD	COCHECO RV	70 52.5	183		0	0	1041	4351			1301
2 DRC I	CITY OF DOVER		183		-277.9	0	34.0	1041	4351			1301
NHMHED8509	ISINGLASS RIVER THREE	STAFFORD	ISINGLASS RIV	43 14.5	70 58.9	0	30.0	0	0	94.899	74.387	1483
NH20272	STAFFORD	ISINGLASS RIV	70 58.9	68		0	0	303	1275			1483
2 DRC	TOWN OF BARRINGTON		68		-102.5	0	30.0	303	1275			1483
NHMHED6080	SALMONFALL RTV2	STAFFORD	SALMONFLLR	43 14.2	70 44.1	0	800	0	0	171.21	25.514	1205
NH 3541	STAFFORD	SALMONFLLR	70 44.1	230		0	800	1469	6710			1205
2 DRC I	TOWN OF ROLLINSFORD		230		-349.3	0	45.0	1469	6710			1205
NHMHED6081	SALMON FALLS R	STAFFORD	SALMONFALLR	43 15.3	70 50.6	0	600	0	0	178.17	33.239	1269
NH 3707	STAFFORD	SALMONFALLR	70 50.6	219		0	600	1283	5360			1269
2 DRC D	CITY OF SOMERSWORTH		219		-332.6	0	35.0	1283	5360			1269
NHMHED6082	SALMON FALLS	STAFFORD	SALMONFALLR	43 15.9	70 51.7	0	550	0	0	156.83	63.981	1441
NH 3708	STAFFORD	SALMONFALLR	70 51.7	219		0	550	545	2451			1441
2 DRC D	PUBLIC SERVICE CO. OF N.H.		219		-332.6	0	17.0	545	2451			1441
NHMHED0525	SALMON FALLS RIVER	STAFFORD	SALMON FALLS	43 13.6	70 50.4	0	20.0	0	0	167.7	53.35	1390
NH03540	STAFFORD	SALMON FALLS	70 50.4	232		0	0	723	3150			1390
2 DRC	SO. BERNICK MANU. CO.		232		-352.8	0	20.0	723	3150			1390
NHMHED8505	SALMON FALLS FLEVEN	STAFFORD	SALMON FALLS	43 24.7	70 59.5	0	20.0	0	0	113.37	81.535	1506
NH02767	STAFFORD	SALMON FALLS	70 59.5	114		0	0	322	1390			1506
2 DRC	NH WATER RESOURCES BOARD		114		-171.1	0	20.0	322	1390			1506

FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. OWNER	DR. AREA	DR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	FILE	(D.M.M)	(D.M.M)	AVE. Q	(FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
CODE	STATUS	(SO.MI)	(AC FT)	(CFS)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
NHMNE0506	SALMON FALLS RIVER	43 20.8	17.0	0	17.0	0	0	123.87	1520
NH03520	STAFFORD SALMON FALLS	70 56.4	17.0	DP	336	1951	85.346	1520	1520
2 DRC	BOSTON FELT CO.	140	-210.2		336	1951			1520
NHMNE0512	SALMON FALLS FOUR	43 24.4	28.0	0	28.0	0	0	122.13	1422
NH02765	STAFFORD SALMON FALLS	70 58.9	28.0	DP	491	2010	60.757	1422	1422
2 DRC	MILTON LAND CORP.	113	-169.6		491	2010			1422
NHMNE0567	SALMON FALLS 1	43 24.0	26.0	0	26.0	0	0	123.94	1443
NH02762	STAFFORD SALMON FALLS	70 59.3	26.0	DP	472	1932	64.129	1443	1443
2 DRC	S. BERWICK MANU.	117	-175.6		472	1932			1443
NH0NE00524	SALMON FALLS 2	43 24.0	99.0	0	99.0	0	0	136.26	1204
NH02763	STAFFORD SALMON FALLS	70 59.3	99.0	DP	973	5345	25.489	1204	1204
2 DRC	UNKNOWN	116	-174.1		973	5345			1204
NHANE0515	SUGAR RIVER EIGHT	43 22.9	12.0	0	12.0	0	0	143.63	1530
NH00803	SULLIVAN SUGAR RIVER	72 20.6	12.0	DP	326	1625	88.366	1530	1530
2 DRC	DARYHOOTH WOOLEN MILLS	251	-375.4		326	1625			1530
NHGNED0018	SUGAR RIVER THREE	43 22.8	26.0	H	26.0	0	0	15.132	1065
NH00798	SULLIVAN SUGAR RIVER	72 20.9	26.0	OP	800	2000	7.3639	1065	1065
2 DRC	CLAREMONT PAPER MILL	250	-373.9		160	2055			1065
NHGNED0019	SUGAR RIVER TEN	43 23.4	33.0	H	33.0	0	0	11.637	1032
NH00805	SULLIVAN SUGAR RIVER	72 22.8	33.0	OP	500	1000	4.2010	1032	1032
2 DRC	CAY PAPER CO.	270	-403.8		111	2770			1032
NHMNE0501	SUGAR RIVER 1	43 23.4	30.0	0	30.0	0	0	93.235	1497
NH03037	SULLIVAN SUGAR RIVER	72 5.9	30.0	DP	292	1186	78.594	1497	1497
2 DRC	UNKNOWN	60	-100.1		292	1186			1497
NHMNE0519	SUGAR RIVER THREE	43 23.8	74.0	0	74.0	0	0	119.24	1383
NH23883	SULLIVAN SUGAR RIVER	72 5.4	74.0	OP	603	2329	51.187	1383	1383
2 DRC	PUBLIC SERVICE CO	46	-76.7		603	2329			1383

FM 2 ID NO	PROJECT NAME	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF OWNER	STATUS	MX STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON ECONOMIC
ACTV CODE	DR. AREA	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
FILE	(D M. M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS	(SQ. MI)	(FT)	(KW)	(MWH)	(MWH)	(MWH)	(SEQUENCE RANK)
NH6NED6118	SUGAR RV ONE	0	0	0	0	164.37	1318
NH 796	SULLIVAN	DP	52	928	4163	39.478	1318
2 DRC I	N.H. PUBLIC WORKS AND HIGHWAY		28.0	928	4163		1318
NH6NED7018	THATCHER						
NH93074	SOUTH BRANCH	H	55.0	0	0	80.289	2067
2 DRC I	SULLIVAN	IS	11990	277	1135	70.718	2084
			47.0	277	1135		2084



... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF NEW JERSEY

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW = 5 MW			5 MW = 10 MW			10 MW = 15 MW			.05 MW = 15 MW		
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
	INST	POTEN	INCR	INST	POTEN	INCR	INST	POTEN	INCR	INST	POTEN	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
0-19	0	0	0	0	0	0	0	0	0	0	0	0
20-49	1	9	2.4	1	9	2.4	1	9	2.4	1	9	2.4
50-99	0	4.3	0	0	4.3	0	0	4.3	0	0	4.3	0
>100	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	13.2	2.4	1	13.2	2.4	1	13.2	2.4	1	13.2	2.4

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 COLUMN 5 = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 COLUMN 6 = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PRELIMINARY ESTIMATE . . .

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF NEW JERSEY

POTENTIAL INCREMENTAL CAPACITY RANGES											
											TOTAL
		0.05 MW	15 MW	25 MW		GREATER THAN 25 MW					
NUMBER	CAPACITY	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST
		UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV
		TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
		INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR
		POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN
		1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP
		3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
		INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR
		POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN	POTEN
0-19	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-49	1	2	6.0	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50-99	2	19.1	55.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
>100	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	3	21.1	61.7	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPACITY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

FM 2 ID NO	PROJECT NAME	PRIMRY CO. NAME OF STREAM	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG. ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	DR. AREA	*MK. STOR.	AVE. Q	INC. CAP.	INC. ENRG. ENERGY COST	ERC NONECONOMIC
CODE	(D M.M)	(FT)	(D M.M)	(FT)	(KW)	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
FILE	(D M.M)	(AC FT)	(D M.M)	(AC FT)	(KW)	(MHH)	(1000 \$)	(SEQUENCE RANK)
STATUS	(SQ. MI)	(FT)	(SQ. MI)	(FT)	(KW)	(MHH)	(\$/MHH)	(SEQUENCE RANK)
NJCNAP0032	UNION LAKE DAM	MAURICE RIVER	39 24.1	IS	35.0	888	0	180.7
NJ0044R	CUMBERLAND		15000	IS	15000	888	5017	1013
2 DRC I	WAMA MFG. CO.		26.9			888	5017	1017
NJ4NAP0007	LUMBERVILLE	DELAWARE	40 24.7	H	35.0	0	0	6111.7
NJU0021	HUNTERDON		75 2.6	IS	13040	18648	116682	52.379
5 DRC I			6655		25.8	18648	116682	
NJ4NAP0006	RYEGELVILLE	DELAWARE	40 36.8	H	40.0	0	0	5742.7
NJU0020	HUNTERDON		75 12.0	IS	10900	20174	129818	45.643
5 DRC D			6328		29.8	20174	129818	
NJAN00400	LAKE PICATINNY	GREEN POND BR	40 57.0	S	15.0	0	0	0
NJ00002	MORRIS		74 33.4	DP	0	0	0	0
3 NWR	DA		10		0	0	0	0
NJAN00001	LAKE PICATINNY	GREEN POND BR	40 57.0	S	15.0	0	0	0
NJ00002	MORRIS		74 33.4	DP	0	0	0	0
3 NWR	DA		10		0	0	0	0
NJCN00009	OAK RIDGE RESERVOIR DAM		41 2.3	S	60.0	0	0	306.39
NJ00014	MORRIS	PEGUANKOCK RI	74 30.0	DP	13220	4255	10398	29.464
2 DRC D	NEWMARK MUNICIPAL UTILITY		180		55.9	4255	10398	1014
NJBN00028	LITTLE FALLS	PASSAIC	40 53.0	S	52.0	2400	13369	405.77
NJ00600	PASSAIC		74 13.4	DP	0	5157	9750	41.614
2 DRC			750		36.0	7537	23120	1008
NJHN00029	SUM HYDRO	PASSAIC	40 55.0	S	15.0	0	0	1414.8
NJ00602	PASSAIC		74 11.9	DP	0	14942	45314	31.223
2 DRC			785		67.9	14942	45314	1005
NJ4NAP0009	TUCKS ISLAND	DELAWARE	41 1.4	CSRH	160.0	0	0	35362
NJU0019	SUSSEX		75 3.6	SI	90000	46000	281500	125.62
6 DRC I	DAEN NAP		3827		113.7	46000	281500	1005

FM 2 ID NO	ACTV DEP	FILE STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	DR. AREA	DR. AREA (D.M.M)	DR. AREA (D.M.M)	DR. AREA (SQ.MI)	AVE. G	PROJ. PURP.	STATUS	MAX. STOR.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	INC. ENRG	TOT. ENRG	MANUL. COST	ERC ECONOMIC	ERC NONECONOMIC	
			OWNER			(D M M)	(D M M)	(D M M)	(D M M)	(D M M)	(SQ MI)	(CFS)	(FT)	(AC FT)	(FT)	(KW)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	(1000 \$)	(1000 \$)	(SEQUENCE RANK)
NJ4NAP0012			BELVIDERE	WARREN	DELAWARE	40 50.2	75 5.7	4365	7579.0	7579.0	42.8	72300	65.0	0	0	0	0	0	0	185075	185075	0	9989.3	53.974	53.974	
NJ4NAP0011			CHESTNUT HILL	WARREN	DELAWARE	40 43.3	75 11.2	4625	6240.0	6240.0	42.7	30800	63.0	0	0	0	0	0	0	167100	167100	0	5739.3	34.346	34.346	
NJ6NAP0004			HACKETTSTOWN	WARREN	MUSCONETCONG	40 53.1	74 48.2	70	-114.8	59.4	85.0	30000	85.0	0	0	0	0	0	0	4171	4171	0	3782.1	906.71	906.71	
PA6NAP0020			MERRILL CREEK	WARREN	MERRILL CREEK	40 43.5	75 6.1	3	-6.2	168.9	180.0	28000	180.0	0	0	0	0	0	0	647	647	0	2549.5	3936.8	3936.8	
NJ6NAP0006			NEW HAMPTON	WARREN	MUSCONETCONG	40 43.0	74 57.8	123	-201.8	86.2	108.0	77000	108.0	0	0	0	0	0	0	9528	9528	0	5924.7	621.81	621.81	
NJ6NAP0007			PAULINA	WARREN	PAULINS KILL	40 58.7	74 35.8	122	-189.6	114.3	137.0	100000	137.0	0	0	0	0	0	0	10950	10950	0	5246.1	479.9	479.9	
NJ6NAP0001			PEQUEST	WARREN	PEQUEST RIVER	40 49.9	74 57.6	100	-144.3	88.1	112.0	66000	112.0	0	0	0	0	0	0	6705	6705	0	6278.8	936.37	936.37	



PM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME	DR. AREA	MX. STOR.	STATUS	MX. STOR. HD.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER	(D.M.M)	(AC FT)	AVE. Q	(PHR. HD.)	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
CODE		(D.M.M)	(FT)	(CFS)	(AC FT)	(KW)	(MHH)	(\$/MHH)	(SEQUENCE RANK)
FILE		(SQ.MI)	(FT)	(CFS)	(FT)	(KW)	(MHH)	(\$/MHH)	(SEQUENCE RANK)
STATUS									
NMCSWA0058	EAGLE NEST LAKE	36 31.9	105 13.9	IR	142.0	0	0	144.84	
NM00351	COLFAX	36 31.9	105 13.9	OP	78600	965	2704	53.561	
2 SCP I	C S RANCH CO	167			87.5	965	2704		
NMCSWA0060	LAKE SUMNER	34 36.5		IC	101.0	0	0	143.3	1044
NM00130	DEBACA	104 23.1		OP	24000	856	3092	46.247	1041
2 SCP I	DOI USBR	4390			73.6	856	3092		
NMCSWA0062	AVALON	32 29.4		I	59.0	0	0	45.574	
NM00132	EDDY	104 15.2		OP	36600	11	104	436.89	
5 DRC I	DOI USBR	18070			15.9	11	104		
NM68WA0061	BRANTLEY	32 30.9		CI	106.0	0	0	1911.7	2036
NM00243	EDDY	104 24.0		PA	836450	1395	4394	435.2	2035
2 DRC D	DOI USBR	16090			59.9	1395	4394		2048
NMCSWA0063	MCMTILLAN	32 35.7		I	57.0	0	0	37.827	
NM00133	EDDY	104 20.8		OP	66600	2	20	1889.9	
5 DRC E	DOI USBR	16990			25.9	2	20		
NMCSWA0065	LOS ESTEROS DAM	35 1.7		CIR	210.0	0	0	41.171	2030
NM00192	GUADALUPE	104 41.4		OP	696800	93	250	164.31	2006
2 SCP I	DAEN SWA	2430			159.0	93	250		2047
NMCSWA0063	ABIRUJU DAM	36 14.4		C D R	325.0	0	0	556.82	
NM00001	RIO ARRIBA	106 25.7		OP	1374000	6107	19565	28.459	
2 DRC I	DAEN SWA	2146			117.8	6107	19565		
NMCSWA0085	EL VADO	36 35.5		ICR	175.0	0	0	559.29	
NM00127	RIO ARRIBA	106 43.9		OP	226000	6168	19592	28.546	
2 DRC I	DOI USBR	873			121.8	6168	19592		
NMCSWA0084	HERON RESERVOIR	36 40.0		ISR0	275.0	0	0	46.685	
NM00122	RIO ARRIBA	106 42.6		OP	430000	132	335	139.24	
2 SCP I	DOI USBR	193			204.0	132	335		



PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF NEW MEXICO

Table with columns: C M, U T W, M O, U T A, L A N, A L D, S, I F T S, E I G, E V I W, T W E N H, 0-19, 20-49, 50-99, >100, TOTAL. Rows represent different dam categories and their potential capacity and energy across various head ranges (0.05 MW to 15 MW).

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS
COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS
COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES
COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)
CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAKWATT-HOUR)

... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF NEW MEXICO

POTENTIAL INCREMENTAL CAPACITY RANGES													
		15 MW - 25 MW				GREATER THAN 25 MW				TOTAL			
		EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*
		INST*	POTEN*	INCR*	INST*	POTEN*	INCR*	INST*	POTEN*	INCR*	INST*	POTEN*	INCR*
		1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*
0-19	NUMBER	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
	CAPCTY	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
	ENERGY	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
20-49	NUMBER	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
	CAPCTY	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
	ENERGY	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
50-99	NUMBER	0*	2*	5*	0*	1*	0*	0*	0*	0*	0*	0*	0*
	CAPCTY	0.0*	15.4*	16.9*	0.0*	22.9*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
	ENERGY	0.0*	51.0*	56.1*	0.0*	69.7*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
>100	NUMBER	0*	6*	6*	1*	0*	0*	1*	0*	0*	1*	0*	0*
	CAPCTY	0.0*	18.0*	24.2*	0.0*	0.0*	0.0*	32.5*	0.0*	32.5*	24.2*	0.0*	34.3*
	ENERGY	0.0*	45.7*	45.7*	96.0*	0.0*	0.0*	366*	0.0*	366*	96.0*	0.0*	411*
TOTAL	NUMBER	0*	9*	11*	1*	0*	1*	1*	0*	1*	1*	0*	2*
	CAPCTY	0.0*	33.4*	34.9*	24.2*	22.9*	0.0*	32.5*	0.0*	32.5*	24.2*	0.0*	38.3*
	ENERGY	0.0*	96.8*	102*	96.0*	69.7*	0.0*	366*	0.0*	366*	96.0*	0.0*	53.1*

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)



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** FM 2 ID NO ** PROJECT NAME ** LATITUDE *PROJ. PURP.* DAM HT * EXIST. CAP. *EXIST. ENRG*ANUL. COST *ERC ECONOMIC *
** FM 1 ID NO ** PRIMARY CO. *NAME OF STREAM *LONGITUDE * STATUS *MX. STOR. * INC. CAP. *INC. ENRG*ENERGY COST* ERC NONECONOMIC*
** ACTV DEP ** OWNER ** DR. AREA ** AVE. Q *PWR. HD. * TOT. CAP. *TOT. ENRG** (1000 $) *(S/MNH) * (SEQUENCE RANK) *
** CODE CODE ** * (D.M.M) * * (FT) * * (KW) * * (MWH) * * (MWH) * * (MWH) * * (MWH) * * (SEQUENCE RANK) *
** FILE ** * (D.M.M) * * (AC FT) * * (KW) * * (MWH) * * (MWH) * * (MWH) * * (SEQUENCE RANK) *
** STATUS ** * (SQ.MI) * * (CFB) * * (FT) * * (KW) * * (MWH) * * (MWH) * * (MWH) * * (SEQUENCE RANK) *
*****
** NM68WA0111 * AMALIA ** 36 55.8 * IS ** 125.0 * 0 * 0 * 626.62 *
** NMU0246 * TADS ** COSTILLA CREEK* 105 30.0 * SI ** 11810 * 86 * 708 * 884.63 *
** 2 DRC I * DOI USRR ** * 163 * * -61.14 * 71.9 * 86 * 708 *
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... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF NEW YORK

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW = 5 MW			5 MW = 10 MW			10 MW = 15 MW			.05 MW = 15 MW		
	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*
NUMBER	16	22	4	3	0	3	0	3	0	3	0	3
CAPACITY	26.6	31.1	0.	17.2	0.	35.1	0.	35.1	0.	35.1	0.	83.4
ENERGY	165.	222.	0.	114.	0.	138.	0.	138.	0.	138.	0.	475.
	INST*	INCR*	POTEN*	INST*	INCR*	POTEN*	INST*	INCR*	POTEN*	INST*	INCR*	POTEN*
0-19	16	22	4	3	0	3	0	3	0	3	0	3
20-49	33	42	10	8	2	10	1	6	0	6	4	56
50-99	60	67	68	51	12	63	10	73	0	73	145	192
>100	376	303	403	163	38	201	72	195	0	195	851	660
TOTAL	79	97	23	22	11	24	7	11	1	12	109	130
ENERGY	171.1	155.2	157.6	142.7	12.2	154.9	85.4	132.9	12.0	144.9	414.1	430.8
	1061.	845.	841.	574.	38.	612.	341.	385.	60.	445.	2243.	1803.

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPACITY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF NEW YORK

POTENTIAL INCREMENTAL CAPACITY RANGES

	0.05 MW - 15 MW	15 MW - 25 MW	GREATER THAN 25 MW	TOTAL	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*
NUMBER	20	0	1	21	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY	54.7	0.0	18.0	72.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENERGY	309	0.0	475	784	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0-19																
NUMBER	44	3	0	47	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY	145	17.0	0.0	162	0.0	35.1	0.0	122	0.0	122	0.0	0.0	0.0	17.0	0.0	366
ENERGY	851	660	0.0	1511	0.0	155	0.0	272	0.0	272	0.0	0.0	0.0	47.8	0.0	1135
20-49																
NUMBER	28	1	0	29	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY	112	60.4	0.0	172.4	0.0	36.1	0.0	216	0.0	216	0.0	0.0	0.0	31	0.0	33
ENERGY	609	337	0.0	946	0.0	119	0.0	398	0.0	398	0.0	0.0	0.0	313	0.0	733
50-99																
NUMBER	17	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY	102	94.4	0.0	196.4	0.0	78.7	0.0	275.1	0.0	275.1	0.0	0.0	0.0	854	0.0	1135
ENERGY	474	332	0.0	806	0.0	400	0.0	1200	0.0	1200	0.0	0.0	0.0	3635	0.0	4089
>100																
NUMBER	109	4	10	123	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY	414	29.0	196	639	0	0	0	0	0	0	0	0	0	0	0	0
ENERGY	2243	1803	829	3975	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL																
NUMBER	109	4	10	123	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY	414	29.0	196	639	0	0	0	0	0	0	0	0	0	0	0	0
ENERGY	2243	1803	829	3975	0	0	0	0	0	0	0	0	0	0	0	0

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)





FM 2 ID NO	PROJECT NAME	LONGITUDE	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	ANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMRY CN. NAME OF STREAM	OR. AREA	MX. STOR.	STATUS	AVE. G	PRM. MD.	TOT. CAP.	INC. ENRGY
CODE	OWNER	(D M.M)	(AC FT)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)
FILE		(D M.M)	(FT)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)
STATUS		(90.MI)	(CFS)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)
NYGNAN0049	KENT FALLS	44 42.6	46.0	5600	37500	1055.5	1216	1216
NY00826	CLINTON SARANAC	73 37.5	50	33431	39788	26.530	1193	1193
2 DRC P	NEW YORK ST EL G CORP	576	152.0	39031	77288		1216	1216
NYGNAN0048	MILL C	44 42.0	35.0	2250	12000	431.54	1193	1193
NY00825	CLINTON SARANAC	73 36.6	20	4763	17497	24.663	1193	1193
2 DRC	NEW YORK ST EL G CORP	575	65.0	7013	29497		1193	1193
NYGNAN0042	PLATTSBURG NO 1	44 40.9	44.0	2400	10000	450.18	1198	1198
NY00235	CLINTON SARANAC	73 28.0	0	8930	17954	25.74	1198	1198
2 DRC	GEORGIA PACIFIC CORP	597	43.0	11330	27954		1198	1198
NYGNAN0046	PLATTSBURG	44 40.8	20.0	600	2600	61.480	1123	1123
NY00262	CLINTON SARANAC	73 28.1	50	524	4709	13.55	1123	1123
2 DRC	IMPERIAL PAPER CO	576	20.0	1124	7309		1123	1123
NYGNAN0050	PLATTSBURG NO 2	44 40.2	26.0	450	5000	250.21	1230	1230
NY00827	CLINTON SARANAC	73 29.7	0	3662	4661	28.889	1230	1230
2 DRC D	GEORGIA PACIFIC CORP	596	27.0	4512	13661		1230	1230
NYGNAN0054	TREDFWELLS MILL DAM	44 40.0	30.0	0	0	431.44	1251	1251
NY00837	CLINTON SARANAC RIVER	73 30.0	0	4512	13661	31.581	1251	1251
2 DRC	GEORGIA PACIFIC CORP	596	27.0	4512	13661		1251	1251
NYGNAN0172	STUVESANT FALLS	42 22.0	13.5	2600	11700	446.70	1288	1288
NY00284	COLUMBIA KINDERHOOK CR	73 43.9	114	5102	12406	36.7	1288	1288
2 DRC	NIAGARA MOHAWK CORP.	325	103.0	7902	24106		1288	1288
NYCNAP0017	CANNONVILLE DAM	42 3.7	175.0	0	0	1156.7	1163	1163
NY00542	DELAWARE W BR DELAWARE	75 22.5	45000	19009	56071	20.630	1163	1163
2 DRC I	CITY OF NEW YORK	453	148.1	19009	56071		1163	1163
NYCNAP0016	PERACTON (DOWNSVILLE)	42 4.6	204.0	0	0	1174.3	1238	1238
NY00343	DELAWARE E BR DELAWARE	74 58.0	609740	21870	39529	29.708	1238	1238
2 DRC I	N Y CITY	371	170.5	21870	39529		1238	1238

FM 2 ID NO	PROJECT NAME	PRIMARY CO. NAME	OWNER	FILE STATUS	LATITUDE	LONGITUDE	DAM HT	PROJ. PURP.	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRGY	INC. ENRGY	TOT. ENRGY	ANNUAL COST	ERC ECONOMIC	ERC NON-ECONOMIC
ACTV DEP	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA	DR AREA
CODE	(D M M)	(D M M)	(D M M)	(D M M)	(D M M)	(D M M)	(D M M)	(D M M)	(D M M)	(D M M)	(D M M)	(D M M)	(D M M)	(D M M)	(D M M)	(D M M)	(D M M)
FILE	(80 MI)	(80 MI)	(80 MI)	(80 MI)	(80 MI)	(80 MI)	(80 MI)	(80 MI)	(80 MI)	(80 MI)	(80 MI)	(80 MI)	(80 MI)	(80 MI)	(80 MI)	(80 MI)	(80 MI)
STATUS	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR
NYANAN0058	GROVEVILLE MILLS	FISHKILL CREEK	DYER	H	41 30.7	74 56.7	30.0	H	2255	6696	6696	0	276.11	41.233	1333	1333	1333
NY00036	DUTCHESS	FISHKILL CREEK	DYER	OP	41 30.7	74 56.7	14	OP	2255	6696	6696	0	276.11	41.233	1333	1333	1333
2 DRC	BEACON PIECE + DYE	FISHKILL CREEK	DYER	OP	41 30.7	74 56.7	32.0	OP	2255	6696	6696	0	276.11	41.233	1333	1333	1333
NYGNAN0056	WAPPINGERS FALLS	WAPPINGER CREEK	BN+A REALTY CORP.	H,R	41 34.9	73 56.0	24.0	H,R	1300	7500	7500	0	277.45	50.649	1377	1377	1377
NY00003	DUTCHESS	WAPPINGER CREEK	BN+A REALTY CORP.	OP	41 34.9	73 56.0	123	OP	3071	5478	5478	0	277.45	50.649	1377	1377	1377
2 DRC	BN+A REALTY CORP.	WAPPINGER CREEK	BN+A REALTY CORP.	OP	41 34.9	73 56.0	85.0	OP	4371	12978	12978	0	277.45	50.649	1377	1377	1377
NYGNCB0016	SPRINGVILLE	CATTARAUGUS CREEK	VILLAGE OF SPRINGVILLE	H	42 28.8	78 42.1	32.0	H	500	2000	2000	0	10.259	6.8628	1059	1059	1059
NY00846	ERIE	CATTARAUGUS CREEK	VILLAGE OF SPRINGVILLE	OP	42 28.8	78 42.1	0	OP	63	1495	1495	0	10.259	6.8628	1059	1059	1059
2 DRC	VILLAGE OF SPRINGVILLE	CATTARAUGUS CREEK	VILLAGE OF SPRINGVILLE	OP	42 28.8	78 42.1	30.0	OP	583	3495	3495	0	10.259	6.8628	1059	1059	1059
NYCNAN0070	CHAIN LAKES	CEDAR RIVER	ESSEX	8,R	43 36.9	74 32.7	90.0	8,R	0	20545	20545	0	611.73	29.774	1240	1240	1240
NY00823	ESSEX	CEDAR RIVER	ESSEX	OP	43 36.9	74 32.7	0	OP	6815	20545	20545	0	611.73	29.774	1240	1240	1240
2 DRC	CHERRY PATCH	WEST BR. AUSABLE RIVER	ESSEX	OP	44 17.9	73 54.3	70.0	OP	1029	5906	5906	0	171.13	28.973	1231	1231	1231
NYCNAN0068	CHERRY PATCH	WEST BR. AUSABLE RIVER	ESSEX	OP	44 17.9	73 54.3	0	OP	1029	5906	5906	0	171.13	28.973	1231	1231	1231
NY00811	ESSEX	WEST BR. AUSABLE RIVER	ESSEX	OP	44 17.9	73 54.3	0	OP	1029	5906	5906	0	171.13	28.973	1231	1231	1231
2 DRC	CLINTONVILLE	AUSABLE RIVER	ESSEX	OP	44 27.0	73 35.0	40.0	OP	5013	15179	15179	0	372.6	24.511	1191	1191	1191
NYANAN0067	CLINTONVILLE	AUSABLE RIVER	ESSEX	OP	44 27.0	73 35.0	0	OP	5013	15179	15179	0	372.6	24.511	1191	1191	1191
NY00810	ESSEX	AUSABLE RIVER	ESSEX	OP	44 27.0	73 35.0	0	OP	5013	15179	15179	0	372.6	24.511	1191	1191	1191
2 DRC	J J ROGERS DAM	AUSABLE RIVER	J J ROGERS + CO	FC	44 26.6	73 41.9	37.0	FC	0	33296	33296	0	1245.9	37.420	1300	1300	1300
NYDNAN0071	J J ROGERS DAM	AUSABLE RIVER	J J ROGERS + CO	OP	44 26.6	73 41.9	56	OP	15867	33296	33296	0	1245.9	37.420	1300	1300	1300
NY00829	ESSEX	AUSABLE RIVER	J J ROGERS + CO	OP	44 26.6	73 41.9	92.0	OP	15867	33296	33296	0	1245.9	37.420	1300	1300	1300
2 DRC	KETTLE MOUNTAIN	HUDSON	ESSEX	R,S,H	43 47.9	74 5.9	36.0	R,S,H	0	21257	21257	0	521.72	24.542	1192	1192	1192
NYANAN0069	KETTLE MOUNTAIN	HUDSON	ESSEX	OP	43 47.9	74 5.9	0	OP	6390	21257	21257	0	521.72	24.542	1192	1192	1192
NY00821	ESSEX	HUDSON	ESSEX	OP	43 47.9	74 5.9	0	OP	6390	21257	21257	0	521.72	24.542	1192	1192	1192
2 DRC	ROME DAM	WEST BRANCH	J+J ROGERS CO.	OP	44 26.6	73 41.9	37.0	OP	1250	4700	4700	0	76.989	51.88	1375	1375	1375
NYGNAN0063	ROME DAM	WEST BRANCH	J+J ROGERS CO.	OP	44 26.6	73 41.9	0	OP	968	1507	1507	0	76.989	51.88	1375	1375	1375
NY00243	ESSEX	WEST BRANCH	J+J ROGERS CO.	OP	44 26.6	73 41.9	32.0	OP	2218	6207	6207	0	76.989	51.88	1375	1375	1375
2 DRC	J+J ROGERS CO.	WEST BRANCH	J+J ROGERS CO.	OP	44 26.6	73 41.9	0	OP	2218	6207	6207	0	76.989	51.88	1375	1375	1375

PM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	DR. AREA	(D M.M)	(80 MI)	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMRY CN. -NAME OF OWNER	STREAM	ST. STATUS	AVE. G	(AC FT)	(FT)	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC COMPOSITE	
CODE	OWNER			(CF9)	(KW)	(KW)	(TOT. ENRG)	(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)	
FILE											(SEQUENCE RANK)	
STATUS											(SEQUENCE RANK)	
NYDNAN0072	TICONDEROGA NO 3	43 50.9	73 25.9	183	28.0	0	OP	6827	20406	32.244	1256	1256
2 DRC D	INTERNATIONAL PAPER CO			-313.6	134.0	0		6827	20406			
NYANAN0066	UNDERWOOD	44 4.9	73 39.9		22.0	0	OP	0	12718	479.79	1305	1305
2 DRC D	SARANAC IMPERIAL PAPER			-943.7	22.0	0		4571	12718	37.724		
NYDNAN0073	WADHAM NO 1	44 22.0	73 15.0	134	48.0	0	OP	0	5394	219.88	1328	1328
2 DRC	ESSEX BOUQUET RIVER			-213.6	48.0	0		2043	5394	40.759		
NYHNCB0021	CHASH FALLS POWER DAM	44 44.8	74 13.4		23.0	30	H	3350	25567	0		
6 DFC I	FRANKLIN SALMON RIVER			160.0	266.0	0	OP	0	25567	0		
NYCNCB0022	CHASH POWER CO DAM	44 55.8	74 6.7	118	38.0	0	H	0	17408	240.52	1128	1128
2 DRC I	FRANKLIN CHATEAUGAY RIV			150.0	280.0	69	IS	2159	17408	13.816		
NYBNCB0029	CHATEAUGAY MILL	44 54.4	74 11.4		0	0	H	0	0	231.77	1187	1187
2 DRC I	FRANKLIN CHATEAUGAY RI			150.0	150.0	0	IS	1227	9752	23.765		
NYGNAN0075	FRANKLIN FALLS DAM	44 25.9	73 59.1		35.0	0	H	2265	62000	0		
6 DFC	FRANKLIN SARANAC			-471.1	53.9	0		0	62000	0		
NYGNCB0026	HOGANSBURG	44 58.4	74 39.6		10.0	0	H	700	3743	25.403	1133	1133
2 DRC I	FRANKLIN ST REGIS RIVE			1090.0	10.2	0	OP	142	1681	15.112		
NYJNCB0019	MACOMB	44 52.6	74 18.2		32.0	0	H	1000	7390	0		
6 DFC I	FRANKLIN SALMON RIVER			240.0	52.9	0	OP	1000	7390	0		

PM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG.	ANUL. COST	ERC ECONOMIC
					OWNER		DR. AREA	PR. HO.	AVE. G	PR. HO.	MY. ST.	TOT. CAP.	TOT. ENRGY	ENERGY COST	ERC NON-ECONOMIC
							(D.M.H)	(AC FT)	(CFS)	(FT)	(KW)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
							(D.M.H)	(AC FT)	(CFS)	(FT)	(KW)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
NYH00082				INGHAMS	EAST CANADA C	74 41.9	43 5.9	122.0	H	6400	28000	24603	26000	790.66	1255
NY00725				FULTON	EAST CANADA C	74 41.9	43 5.9	122.0	OP	20970	24603	26000	32.137	1255	
2 DRC				NIAGARA MOHAWK POWER CORP		276		125.0		26970	52603			1255	
NYD00078				IRVING POND DAM	TR TO CANADA	74 28.7	43 9.8	30.0	S	0	0	4800	0	444.47	1330
NY00174				FULTON	TR TO CANADA	74 28.7	43 9.8	30.0	OP	4800	10831	4800	10831	41.35	1330
2 DRC				NEW YORK POWER AND LIGHT		23		27.0		4800	10831			1330	
NYD00077				PECKS LAKE DAM	PECK CREEK	74 26.0	43 6.1	45.0	H	0	0	5794	0	417.11	1265
NY00166				FULTON	PECK CREEK	74 26.0	43 6.1	45.0	OP	5794	12641	5794	12641	32.995	1265
2 DRC				MOHAWK HYDRO-ELECTRIC CO		18		40.0		5794	12641			1265	
NYD00086				CAIRO	CATSKILL CREEK	74 1.0	42 17.7	16.0	H	0	0	4812	0	368.39	1298
NY00835				GREENE	CATSKILL CREEK	74 1.0	42 17.7	16.0	OP	4812	9902	4812	9902	37.201	1298
2 DRC C				CHG + E		227		40.0		4812	9902			1298	
NYD00088				INDIAN LAKE STONE DAM	INDIAN RIVER	74 16.5	43 45.3	47.0	R	0	0	1890	0	223.32	1335
NY00155				HAMILTON	INDIAN RIVER	74 16.5	43 45.3	47.0	OP	1890	5335	1890	5335	41.778	1335
2 DRC				INDIAN RIVER CO		8		41.0		1890	5335			1335	
NYAN0092				PISECO LAKE	WEST BR SACAN	74 31.0	43 31.9	32.7	S	0	0	2129	0	263.95	1296
NY00818				HAMILTON	WEST BR SACAN	74 31.0	43 31.9	32.7	OP	2129	7113	2129	7113	37.107	1296
2 DRC						149		32.8		2129	7113			1296	
NYGN0102				DOLGEVILLE	EAST CANADA C	74 46.3	43 5.9	51.0	H	320	1200	6419	18399	331.79	1147
NY00802				HERKIMER	EAST CANADA C	74 46.3	43 5.9	51.0	OP	320	1200	6419	18399	18.33	1147
2 DRC				VILLAGE OF DOLGEVILLE		261		50.9		6739	19399			1147	
NYAN0096				KYSER LAKE DAM	EAST CANADA C	74 46.1	43 3.7	125.0	H,R	0	0	15599	0	1119.9	1185
NY00183				HERKIMER	EAST CANADA C	74 46.1	43 3.7	125.0	OP	15599	47227	15599	47227	23.714	1185
2 DRC				NIAGARA MOHAWK		278		116.0		15599	47227			1185	
NYGN0101				LITTLE FALLS	W. CANADA CRE	74 52.0	43 0.0	52.0	H	150	1300	1035	6327	158.32	1197
NY00711				HERKIMER	W. CANADA CRE	74 52.0	43 0.0	52.0	OP	1035	6327	1035	6327	25.24	1197
2 DRC						375		19.0		1185	7627			1197	

FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. -NAME OF STREAM	DR AREA	OR AREA	STATUS	MX STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	(D M.M)	(M.M.M)	AVE. Q	(FT)	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
CODE		(D M.M)	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)
FILE		(SQ.MI)	(SQ.MI)		(FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS									
NYJNCB0039	MOSHIER	43 53.2	75 5.9	HS	95.0	8000	40940	102.69	1112
NY00715	HERKIMER	75 5.9	7339	OP	7339	1197	8534	12.34	1112
2 DRC I	NIAGARA MOHAWK POWER CO	182	230.0		213.0	9197	49874		1112
NY4NAN0095	PROSPECT	43 16.9	75 9.0		52.0	0	0	2430.5	1283
NYU0107	HERKIMER	75 9.0	375		0	21459	69129	35.159	1283
2 DRC					138.0	21459	69129		1283
NYINAN0100	PROSPECT DAM	43 16.9	75 9.4	H	52.0	17325	74700	532.56	2108
NY00661	HERKIMER	75 9.4	375	OP	3214	21636	2562	207.86	2108
2 DRC	NIAGARA MOHAWK POWER CORP	375			137.5	38961	77262		2108
NYNCB0036	STILLWATER RESERVOIR DAM	43 53.8	75 3.1	S	0	0	0	181.24	1235
NY00316	HERKIMER	75 3.1	178	IS	0	1013	6162	29.410	1235
2 DRC I	STATE OF NEW YORK	178			30.0	1013	6162		1235
NYGNAN0099	TRENTON FALLS	43 17.9	75 11.9	H	60.0	23600	132700	1183.5	1437
NY00196	HERKIMER	75 11.9	376	OP	165	71248	18638	63.499	1437
2 DRC	NIAGARA MOHAWK CORP	376			266.0	94848	151338		1437
NYDNAN0104	WILMURY	43 21.9	74 54.3		100.0	0	0	1102.9	1272
NY00814	HERKIMER	74 54.3	226	OP	0	14129	32788	33.639	1272
2 DRC					100.0	14129	32788		1272
NYGNCB0062	BEEREE ISLAND	43 58.6	75 54.4	H	18.0	8000	53911	0	
NY00733	JEFFERSON	75 54.4	1876	OP	122	0	0	0	
6 DRC I	BEEREE ISLAND CORP	1876			33.9	8000	53911		
NYGNCB0055	BLACK RIVER POWER DAM	44 0.1	75 48.4	H	20.0	6000	44800	181.15	1173
NY00635	JEFFERSON	75 48.4	1856	OP	128	2049	8268	21.910	1173
2 DRC I	NIAGARA MOHAWK POWER CORP	1856			34.0	8049	53068		1173
NYNVCB0044	BROWNVILLE DAM	44 0.0	75 58.9	H	30.0	0	0	3276.2	1371
NY00286	JEFFERSON	75 58.9	30	IS	30	16116	65785	49.801	1371
2 DRC I	PREMID CORP.	1913			29.0	16116	65785		1371



FM 2 ID NO	PROJECT NAME	LONGITUDE	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME	DR-AREA	(D M.M)	STATUS	MX.STOR.	INC. CAP.	INC.ENERG
ACTY DEP	OWNER	(D M.M)	(D M.M)	AVE. Q	*PWR. HD.	TOT. CAP.	TOT.ENERG
CODE	FILE	(SQ.MI)	(AC FT)	(KW)	(MHH)	(MHH)	(MHH)
STATUS		(SQ.MI)	(FT)	(KW)	(MHH)	(MHH)	(MHH)
NYMNCB0048	GREAT BEND DAM	44 2.1	23.0	0	0	515.25	1168
NY00293	BLACK RIVER	75 43.1	255	3607	24200	21.290	1168
2 DRC I	SHERMAN PAPER CO	1836	16.0	3607	24200		1168
NYMNCB0058	HERRINGS	44 1.3	25.0	5400	25840	275.96	1175
NY00700	BLACK RIVER	75 39.0	670	2294	12187	22.644	1175
2 DRC I	NIAGARA MOHAWK POWER COR	1810	19.5	7694	38027		1175
NYMNCB0060	KAMARGO	44 0.7	17.0	5400	29150	88.409	1060
NY00729	BLACK RIVER	75 47.7	360	1048	13183	6.7062	1060
2 DRC I	NIAGARA MOHAWK POWER CORP	1855	27.0	6448	42333		1060
NYMNCB0047	NYMNAME 23	43 59.0	10.0	0	0	423.79	1263
NY00292	BLACK RIVER	75 51.7	1308	1837	12964	32.687	1263
2 DRC I	CITY OF WATERTOWN	1876	9.0	1837	12964		1263
NYMNCB0068	PHILADELPHIA 72	44 9.4	20.0	0	0	391.12	1178
NY00858	INDIAN RIVER	75 42.6	0	5397	13489	28.995	1178
2 DRC I	VILLAGE OF PHILADELPHIA	229	49.9	5397	13489		1178
NYMNCB0061	SEWALLS ISLAND	43 58.6	13.0	2000	14989	81.472	1120
NY00731	BLACK RIVER	75 53.6	50	723	6451	12.629	1120
2 DRC I	NIAGARA MOHAWK POWER COR	1875	17.0	2723	20940		1120
NYMNCB0051	TANNERY ISLAND DAM	43 58.6	15.0	0	0	418.55	1210
NY00298	BLACK RIVER	75 37.0	50	2141	16096	26.3	1210
2 DRC I	ISLAND PAPER CO	1797	12.9	2141	16096		1210
NYMNCB0053	THERESA 71	44 13.0	34.5	1615	6523	63.861	1087
NY00407	INDIAN RIVER	75 47.7	145	552	7308	8.7385	1087
2 DRC I	NIAGARA MOHAWK POWER COR	323	66.4	2167	13831		1087
NYMNCB0057	WATERTOWN MUN MAIN DIVER DAM	43 58.6	14.0	5400	33000	86.657	1091
NY00684	BLACK RIVER	75 52.5	50	1054	9551	9.750	1091
2 DRC I	WATERTOWN MUNICIPAL ELEC	1874	27.0	6454	42551		1091



FM 2 ID NO	PROJECT NAME	PRIMRY CO.	NAME OF STREAM	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG.	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	MX. STOR.	AVE. G	PR. HO.	MX. STOR.	TOT. CAP.	TOT. ENRGY	INC. ENRGY	ENERGY COST	ERC NONECONOMIC
CODE				(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(1000 \$)	ERC COMPOSITE
FILE				(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS				(SQ.MI)	(FT)	(FT)	(KW)	(MWH)	(MWH)		(SEQUENCE RANK)
NYNCB0050	WEST END DAM	JEFFERSON	BLACK RIVER	43 58.8	H	0	0	0	0	443.82	1190
2	DRC I	WEST END PAPER CO	BLACK RIVER	75 37.4	IS	0	2474	18155	18155	24.445	1190
				1800		14.0	2474				
NYNCB0075	BEAVER FALLS DS		BEAVER RIVER	43 53.0	H	17.0	0	0	0	223.20	1250
2	DRC I	LEWIS BEAVER FALLS POWER CO.	BEAVER RIVER	75 25.7	OP	50	1057	7069	7069	31.574	1250
				324		20.0	1057				
NYHNCB0078	BEAVER FALLS US		BEAVER RIVER	43 53.0	H	25.0	1500	10450	10450	0	
6	DFC I	LEWIS BEAVER FALLS POWER CO.	BEAVER RIVER	75 25.6	OP	50	1500	10450	10450	0	
				323		29.9	1500				
NYJNCB0038	BELFORT		BEAVER RIVER	43 55.6	H	17.0	1800	12964	12964	0	
6	DFC I	LEWIS BEAVER RIVER POWER COR	BEAVER RIVER	75 19.7	OP	120	1800	12964	12964	0	
				252		47.9	1800				
NYGNCB0076	DENIEY DAM		BLACK RIVER	43 32.7	H	33.0	600	3300	3300	23.827	1093
2	DRC I	LEWIS CATALDD ELECTRIC SERVICE	BLACK RIVER	75 19.3	OP	50	201	2597	2597	9.1752	1093
				398		22.0	801	5897	5897		
NYJNCB0041	EAGLE FALLS		BEAVER RIVER	43 54.2	H	21.0	6050	31770	31770	109.73	1134
2	DRC I	LEWIS BEAVER RIVER POWER COR	BEAVER RIVER	75 11.6	OP	668	1820	7186	7186	15.271	1134
				224		136.0	7270	38956	38956		
NYJNCB0043	EFFLEY FALLS		BEAVER RIVER	43 55.4	H	35.0	2960	16438	16438	0	
6	DFC I	LEWIS BEAVER RIVER POWER COR	BEAVER RIVER	75 16.5	OP	310	2960	16438	16438	0	
				249		53.9	2960				
NYJNCB0040	ELMER		BEAVER RIVER	43 55.6	H	20.0	1500	9707	9707	19.684	1149
2	DRC I	LEWIS BEAVER RIVER POWER COR	BEAVER RIVER	75 17.3	OP	305	283	1081	1081	18.209	1149
				250		37.0	1783	10768	10768		
NY7NCB0084	FOWLERSVILLE		MOOSE RIVER	43 37.3	H	60.0	0	0	0	3266.3	2040
2	DRC E	LEWIS MOOSE RIVER	MOOSE RIVER	75 16.4	IS	0	18157	81186	81186	40.232	2114
				422		195.0	18157	81186	81186		

FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	DR AREA	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	INC. ENRG	TOT. ENRG	ANUL. COST	ENERGY COST	ERC ECONOMIC	ERC NON-ECONOMIC
								(D M M)	(D M M)	(AC FT)	(KW)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	(S/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
								(SQ MI)	(CFS)	(FT)											
NYGNCB0074	2	DRC I	HARRISVILLE	H	W BR OSWEGATC	HARRISVILLE PAPER CORP	44 8.8	75 18.9	189	500.0	34.0	520	205	725	1700	2747	4447	21.687	7.8951	1071	1071
NYJNCB0077			HIGH FALLS	H			43 55.6	75 22.5			40.0	4800	0		29782	0		0			
NYO0693	6	DFC I	LEWIS	OP	BEAVER RIVER	NIAGARA MOHAWK POWER COR	75 22.5	75 267	267	340.0	1058	0	0	4800	29782	0		0			
NYMNCB0069	2	DRC I	LYONS DALE DAM	H	MOOSE RIVER	BURROWS PAPER CO	43 36.9	75 18.2	426	590.0	37.0	1933	1933	0	11821	11821	0	235.60	19.929	1159	1159
NYGNCB0082	2	DRC I	MILL B	H	MOOSE RIVER	MOOSE RIVER	43 36.7	75 19.8	431	560.0	40.0	1100	403	1503	5300	4111	9411	34.288	8.3405	1079	1079
NYGNCB0079	2	DRC I	MILL NO 3	H	BLACK RIVER	BLACK RIVER	43 36.5	75 21.4	871	960.0	70.0	4400	741	5141	21100	17810	38910	64.793	3.6380	1022	1022
NYGNCB0081	2	DRC I	MILL NO 5	H	MOOSE RIVER	MOOSE RIVER	43 36.9	75 19.6	426	550.0	52.0	2000	477	2477	9600	5903	15503	27.350	4.6332	1039	1039
NY4NCR0073	2	DRC I	MOOSE RIVER	H	MOOSE RIVER	MOOSE RIVER	43 36.1	75 9.4	368	470.0	50.0	0	20010	20010	0	67734	67734	2451.1	36.186	2034	2113
NYGNCB0080	2	DRC I	PORY LEYDEN	H	BLACK RIVER	BLACK RIVER	43 34.9	75 20.4	407	525.0	0	625	157	782	3000	2756	5756	18.927	6.8679	1061	1061
NYO0860	6	DFC I	LEWIS	OP	BEAVER RIVER	NIAGARA MOHAWK POWER COR	75 14.2	75 240	240	310.0	115.0	15000	0	15000	35246	0		0			
NYJNCB0042	6	DFC I	SOFT MAPLE	H	BEAVER RIVER	NIAGARA MOHAWK POWER COR	43 55.0	75 14.2	240	310.0	2678	0	0	15000	35246	0		0			

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANNU. COST	INC. CAP.	INC. ENRG ENERGY COST	ERC NON-ECONOMIC
ACTV DEP CODE	OWNER	DR. AREA	DR. AREA	DR. AREA	DR. AREA	STATUS	AVE. G	AVE. G	AVE. G	AVE. G	AVE. G	AVE. G
FILE CODE		(D.M.M)	(D.M.M)	(D.M.M)	(D.M.M)		(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)
STATUS		(SQ.MI)	(SQ.MI)	(SQ.MI)	(SQ.MI)		(KW)	(KW)	(KW)	(KW)	(KW)	(KW)
NYJNC80037	TAYLORVILLE DAM	LEWIS	BEAVER RIVER	43 55.6	75 18.1	H	21.0	4900	25275	50.978	1099	1099
NY00713	LEWIS	2	BEAVER RIVER	43 55.6	75 18.1	DP	1091	532	5171	9.8584	1099	1099
DRC I	NIAGARA MOHAWK POWER COR			251	320.0		104.0	5032	30446			1099
NYNC80068	MOUNT MORRIS	NY00761	GENESEE RIVER	42 44.0	77 54.4	C	215.0	0	0	312.13	1137	1137
DRC S	LIVINGSTON			77 54.4	435000	IS	435000	2668	19825	15.744	1137	1137
	DAEN NCB			1070	1200.0		101.8	2668	19825			1137
NY6NC80067	STATION 160	NY00686	GENESEE R	42 44.2	77 52.8	H	30.0	340	2900	42.115	1233	1233
DRC I	LIVINGSTON			77 52.8	1520.0	DP	50	266	1438	29.287	1233	1233
	ROCHESTER GAS + EL CORP			1071	1520.0		20.0	606	4338			1233
NYANC80090	NEW YORK STATE BARGE CANAL	NY00481	GENESEE RIVER	43 9.2	77 36.6	NH	15.0	0	0	483.64	1249	1249
DRC I	MONROE			77 36.6	2730.0	IS	50	2813	15562	31.77	1249	1249
	NEW YORK STATE			2460	2730.0		14.0	2813	15562			1249
NYHNC80092	STATION 726	NY00683	GENESEE RIVER	44 35.9	77 36.7	NH	6.0	3000	16000	34.935	1034	1034
DRC I	MONROE			77 36.7	2730.0	DP	761	779	7978	4.3790	1034	1034
	ROCHESTER GAS + ELEC CORP			2460	2730.0		25.0	3779	23978			1034
NYHNC80093	STATION 72	NY00690	GENESEE RIVER	43 9.8	77 37.0	H	6.0	6500	51000	114.82	1086	1086
DRC I	MONROE			77 37.0	2730.0	DP	107	1888	13178	8.7130	1086	1086
	ROCHESTER GAS + ELEC CORP			2460	2730.0		91.0	8388	64178			1086
NYHNC80091	STATION 75	NY00682	GENESEE RIVER	43 10.8	77 37.7	H	22.0	38250	179176	0	0	0
DRC I	MONROE			77 37.7	2730.0	DP	325	0	0	0	0	0
	ROCHESTER GAS + ELEC CORP			2460	2730.0		136.8	38250	179176			0
NYHNC80173	BEARDSLEE FALLS	NY00716	EAST CANADA C	43 1.0	74 44.7	H	63.0	20000	49600	368.62	2101	2101
DRC	MONTGOMERY			74 44.7	-535.7	DP	0	16953	4005	92.42	2101	2101
	NIAGARA MOHAWK POWER CORP.			288	158.5		158.5	36933	53605			2101
NY4NC80096	LOWER NIAGARA RIVER DEVELOPM	NY00207	NIAGARA RIVER	43 8.0	79 3.0	H	110.0	0	0	33787	2000	2000
DRC I	NIAGARA			79 3.0	204000.0	IS	20000	40831	3575235	9.4505	2000	2000
	NIAGARA			263460	204000.0		80.0	40831	3575235			2000



PM 2 ID NO	PROJECT NAME	PRIMRY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	DR. AREA	AVE. G	PR. HD.	TOT. CAP.	EXIST. CAP.	INC. CAP.	STATUS	PROJ. PURP.	DAM HT	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	
ACTV DEP	OWNER			(D M.M)	(S.M)	(D M.M)	(CFS)	(AC FT)	(KW)	(KW)	(KW)			(FT)	(MWH)	(1000 \$)	ERC NON-ECONOMIC	
CODE				(M)	(MI)	(M)		(FT)									ERC COMPOSITE	
FILE																	(SEQUENCE RANK)	
STATUS																	(SEQUENCE RANK)	
NYHNA0018	RIO RESERVOIR DAM	ORANGE	MANGAUP RIVER	41 28.7	74 45.3	41	364.0	105.0	10000	10000	6759	H		17650	36567	874.34	874.34	
5 DRC I	ORANGE + ROCKLAND UTILITIES			195				183.2	16759	16759	37656	OP			803.41	803.41	1131	
NYINC0014	GLENWOOD			43 14.2	78 23.3	43		60.0	1500	1500	6870	H			23.285	23.285	1131	
2 DRC I	ORLEANS OAK ORCHARD			78 23.3	143		200.0	1675	433	433	1629	OP			14.294	14.294	1131	
NYINC0015	WATERPORT			43 19.5	78 14.3	43		90.0	4650	4650	11490	H			0	0		
6 DFC I	ORLEANS OAK ORCHARD			78 14.3	216		310.0	890	0	0	0	OP			0	0		
NYJNC0017	BENNETT BRIDGE			43 32.7	75 55.2	43		45.0	26750	26750	82391	SH			0	0		
6 DFC I	OSWEGO NIAGARA			75 55.2	191		250.0	56116	0	0	0	OP			0	0		
NYHNC00124	GRANBY			43 19.1	76 25.2	43		17.0	3052	3052	18660	NH			45.500	45.500	1016	
2 DRC I	OSWEGO NIAGARA			76 25.2	5018		5870.0	283.7	26750	26750	82391	OP			3.1256	3.1256	1016	
NYGNC00119	HIGH DAM			43 26.6	76 29.7	43		29.0	7600	7600	50000	NH			141.89	141.89	1113	
2 DRC I	OSWEGO NIAGARA			76 29.7	5097		5960.0	314	2562	2562	11857	OP			11.967	11.967	1113	
NYGNC00120	LOWER FULTON DAM			43 19.3	76 25.2	43		17.0	1250	1250	7200	NH			42.276	42.276	1055	
2 DRC I	OSWEGO NIAGARA			76 25.2	5018		5870.0	16	374	374	6886	OP			6.1394	6.1394	1055	
NYGNC00123	MINETTO			43 24.0	76 26.4	43		34.0	8000	8000	50908	NH			0	0		
6 DFC I	OSWEGO NIAGARA			76 26.4	5092		5960.0	17.2	0	0	0	OP			0	0		
NYGNC00121	OSWEGO FALLS			43 18.9	76 24.8	43		10.0	8756	8756	39000	NH			411.13	411.13	1156	
2 DRC I	OSWEGO NIAGARA			76 24.8	5018		5870.0	870	3672	3672	21383	OP			19.227	19.227	1156	
								16.5	12628	12628	60383						60383	1156

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENERGY	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	MX. STOR.	AVE. G	PHR. HD.	STATUS	(FT)	(KW)	(KW)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
CODE		(D M.M)	(AC FT)	(CFS)	(FT)						(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(90 MI)											(SEQUENCE RANK)
STATUS													(SEQUENCE RANK)
NYINCBO116	SALMON R LOWER RES DAM AT AL	75	31.3	H	51.0	7500	20312	0	0	0	0	0	2110
NYO0367	OSWEGO SALMON RIVER	75	58.3	OP	1825	7500	20312	0	0	0	0	0	2110
2 DRC I	NIAGARA MOHAWK POWER COR	198			65.0	7500							2110
NYGNCB0118	VARTCK OSWEGO RIVER	43	26.8	HN	12.0	8800	44190	48.410	1019	1019	48.410	1019	1019
NYO0398	OSWEGO	76	30.0	OP	50	879	14721	3.2884	1019	1019	3.2884	1019	1019
2 DRC I	NIAGARA MOHAWK POWER COR	507			20.0	9679	58911						1019
NYCNA0031	EAST SIDNEY OULCOUT CR	42	19.5	CR	128.5	0	0	193.32	1344	1344	193.32	1344	1344
NYO0773	OTSEGO	75	13.4	CP	58300	1698	4491	43.45	1344	1344	43.45	1344	1344
2 DRC I	DAENNAB	102			49.5	1698	4491						1344
NYDNA0119	CROTON FALLS DAM WEST CROTON R	41	21.5	S	112.0	0	0	477.90	1264	1264	477.90	1264	1264
NYO0039	PUTNAM	73	39.8	OP	43000	4555	14552	32.839	1264	1264	32.839	1264	1264
2 DRC	CITY OF NEW YORK	168			112.0	4565	14552						1264
NYDNA0126	HOOSIC FALLS HOOSIC	42	54.0		30.0	0	0	409.93	1292	1292	409.93	1292	1292
NYO0705	RENSSELAER	73	22.0		32	4393	11139	36.800	1292	1292	36.800	1292	1292
2 DRC		339			30.0	4393	11139						1292
NYGNA0128	JOHNSONVILLE HOOSIC	42	55.0	H	38.0	4800	12000	331.62	1176	1176	331.62	1176	1176
NYO0724	RENSSELAER	73	30.0	OP	0	6059	14620	22.682	1176	1176	22.682	1176	1176
2 DRC	NIAGARA MOHAWK CORP.	604			40.0	10859	26620						1176
NYGNA0127	SCHAGHTICOKE HOOSIC	42	54.0	H	25.0	14000	74087	0	1009	1009	0	1009	1009
NYO0723	RENSSELAER	73	35.0	OP	0	0	0	0	1009	1009	0	1009	1009
6 DFC		635			147.9	14000	74087						1009
NYGNA0176	BAKERS FALLS HUDSON	43	17.9	H	23.0	2250	9000	35.880	1009	1009	35.880	1009	1009
NYO0144	SARATOGA	73	35.0	OP	0	708	16901	2.1229	1009	1009	2.1229	1009	1009
2 DRC D	NIAGARA MOHAWK CORP.	2810			58.0	2358	25901						1009
NYANA0139	CONKLINGVILLE DAM 7EJ WEST	43	19.1	CNSHO	95.0	0	0	931.96	1212	1212	931.96	1212	1212
NYO0750	SARATOGA SACANDAGA	73	55.2	OP	69000	14097	35655	26.138	1212	1212	26.138	1212	1212
2 DRC	HUDSON RV BLK RV REG DIS	1044			35.0	14097	35655						1212

PM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	INC. ENERGY	ANNUAL COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	DR. AREA	(D M.M)	(D M.M)	AVE. Q	WNR. HD.	TOT. CAP.	TOT. ENERGY	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE		(SQ.MI)	(AC FT)	(KW)	(KW)	(CFS)	(FT)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS												
NY8NANO136	CONKLINGVILLE DAM			43 19.1	73 55.2	0, H, R	96.0	33731	103664	0	2601.0	1199
2 DRC	SARATOGA SACANDAGA RIV			73 55.2	1055	OP	181000	33731	103664	0	25.90	1199
	HUDSON RIVER REG DIST.			1055		-2077.8	80.0	33731	103664			1199
NYGNANO179	CURTIS			43 15.0		H	24.0	4700	22000		1097.4	1207
2 DRC	SARATOGA HUDSON			73 50.0		OP	0	14570	42740		25.676	1207
	INTERNATIONAL PAPER CO.			2755		-4881.3	24.0	19270	64740			1207
NYGNANO184	FEEDER DAM			43 21.9			17.0	6000	28000		973.52	1237
2 DRC	SARATOGA HUDSON			73 39.9			0	12099	32804		29.677	1237
	NYS DOT + NIAGARA MOHAWK			2700		-4783.9	23.0	18099	60804			1237
NYNANO181	FORT EDWARD			43 15.9			38.0	0	89709		1145.7	1122
2 DRC	SARATOGA HUDSON			73 33.0			0	19072	89709		12.771	1122
	NIAGARA MOHAWK			2815		-4987.6	38.0	19072	89709			1122
NYGNANO140	GRAHAMSVILLE			41 50.0			17.0	18000	90000		0	
6 DFC	SARATOGA RONDOUT AQUED			74 32.0		DP	0	0	0		0	
				239		-574.4	16.9	18000	90000			
NYGNANO178	MECHANICVILLE			42 53.0		S	18.0	4500	31000		1331.8	1248
2 DRC	SARATOGA HUDSON			73 41.0			0	13582	45053		30.933	1248
	SARATOGA BOARD MILL CORP.			4500		-7498.5	18.0	18082	74053			1248
NYGNANO183	MECHANICVILLE			42 55.0		H	17.5	4500	35513		1079.5	1343
2 DRC	SARATOGA HUDSON			73 39.9			0	10051	32932		32.781	1343
	NY STATE-NIAGARA MOHAWK			4572		-7618.5	17.5	14551	68445			1343
NYGNANO182	MOREAU			43 16.0		H	23.0	4800	42000		115.32	1096
2 DRC	SARATOGA HUDSON			73 35.9		OP	0	1500	12096		9.5337	1096
	NIAGARA MOHAWK CORP.			2812		-1274.1	66.5	6300	54096			1096
NYVDNANO137	NO NAME #15			43 14.8		H	50.0	0	0		2561.5	1188
2 DRC	SARATOGA UPPER HUDSON			73 49.2		OP	15	43672	106193		24.121	1188
	WARREN CURTIC MFG CO			2760		-4890.2	36.0	43672	106193			1188





FM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO. OWNER	STATUS	MX STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
CODE	DR. AREA	AVE. G	PHR. MD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
FILE	(D M.M)	(FT)	(AC FT)	(KWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS	(SQ. MI)	(FT)	(KWH)	(MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
NYHNA0191	CRESCENT	N,H	39.0	5600	39000	1771.1	1273
2 DRC	MOHAWK RIVER	OP	2100	25998	52370	33.820	1273
			28.0	31598	91370		1273
NYGNAN0055	VISCHER FERRY	N,H	38.0	5600	35000	752.49	1150
2 DRC	MOHAWK RIVER	DP	2600	11222	41017	18.345	1150
			29.2	16822	76017		1150
NYHNA0144	BLENHEIM GILBOA LOWER	H	100.0	10000	30000	0	
6 DFC	SCHOHARIE	DP	18500	0	0	0	
	POWER AUTH STATE OF NY		94.9	10000	30000		
NYINC0125	SENECA FALLS	H	68.0	8000	14800	41.770	1020
2 DRC	SENECA RIVER	DP	*****	1143	12567	3.3238	1020
	NY STATE ELEC + GAS CORP		50.0	9143	27367		1020
NYINC0126	WATERLOO	H	33.0	1920	4120	28.561	1064
2 DRC	SENECA RIVER	DP	107456	257	3957	7.2178	1064
	NY STATE ELEC + GAS CORP		17.0	2177	8077		1064
NYJNC0128	ALLEN FALLS DEVEL DAM	H	40.0	4400	26290	0	
6 DFC	ST LAWRENCE WEST BRANCH	DP	661	0	0	0	
	NIAGARA MOHAWK POWER COR		220.7	4400	26290		
NYJNC0153	BLAKE FALLS	H	80.0	14400	60579	110.69	1121
2 DRC	ST LAWRENCE RAGUETTE RIVER	DP	3900	1816	8712	12.705	1121
	NIAGARA MOHAWK POWER COR		68.0	16216	69291		1121
NYJNC0156	BROWNS FALLS	H	65.0	15000	53030	48.957	1056
2 DRC	ST LAWRENCE OSWEGATCHIE RIVER	DP	2215	1861	7752	6.3154	1056
	NIAGARA MOHAWK POWER COR		270.0	16861	60782		1056
NYJNC0155	CARRY FALLS DEVELOPMENT	H	76.0	0	0	742.7	1124
2 DRC	ST LAWRENCE RAGUETTE RIVER	IS	114400	8029	56573	13.117	1124
	NIAGARA MOHAWK POWER COR		75.0	8029	56573		1124



FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. -NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV CODE	OWNER	DR. AREA	AVE. G	PMR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
FILE CODE		(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SO.MI)	(FT)	(KW)	(MWH)	(MWH)		(SEQUENCE RANK)
NYHNCB0174	HAILESBORO	44 18.7	H	20.0	1490	9500	43.329	1066
NY00875	ST LAWRENCE	75 26.5	OP	0	515	5834	7.4271	1066
2 DRC I	DEXTER HYDRO ELECTRIC	660		30.0	2005	15334		1066
NYJNCB0148	HANNAWA	44 36.7	H	40.0	7200	49440	75.737	1049
NY00748	ST LAWRENCE	74 58.4	DP	690	1210	12954	5.8466	1049
2 DRC S	NIAGARA MOHAWK POWER COR	993		81.0	8410	62394		1049
NYGNCB0132	HEUVELTON DAM	44 36.9	H	16.5	1040	5891	65.199	1139
NY00411	ST LAWRENCE	75 24.3	DP	405	532	4098	15.910	1139
2 DRC I	NIAGARA MOHAWK POWER COR	995		15.5	1572	9989		1139
NYGNCB0142	HEWITTVILLE	44 42.2	H	20.0	1340	10807	0	
NY00734	ST LAWRENCE	75 0.3	DP	315	0	0	0	
6 DFC I	POTSDAM PAPER CO	1036		17.9	1340	10807		
NYJNCB0141	HIGLEY	44 31.7	H	34.0	4480	34934	0	
NY00707	ST LAWRENCE	74 55.9	DP	446	0	0	0	
6 DFC S	NIAGARA MOHAWK POWER COR	979		45.9	4480	34934		
NYCNCB0161	JACKSON FALLS	44 30.1	H	35.0	0	0	207.28	1225
NY00316	ST LAWRENCE	75 10.1	IS	103305	1319	7453	27.809	1225
2 DRC I	GRASS RIVER	329		30.0	1319	7453		1225
NYCNCB0165	MORSEHEAD RAPIDS	44 18.7	H	35.0	0	0	3033.1	2115
NY00322	ST LAWRENCE	74 41.9	IS	0	11998	59627	50.868	2059
2 DRC I	RAQUETTE RIVE	784		85.0	11998	59627		2059
NYINC0139	MOSES SAUNDERS	45 4.9	H	136.0	912000	6500000	0	
NY00678	ST LAWRENCE	74 47.7	OP	80000	0	0	0	
6 DFC I	POWER AUTH-STATE OF NY	300000		82.9	912000	6500000		
NYHNCB0176	NATURAL DAM	44 20.1	H	12.0	1200	6000	33.664	1051
NY00877	ST LAWRENCE	75 30.3	DP	0	315	5586	6.266	1051
2 DRC I	GROVETON PAPERS CO	748		20.0	1515	11586		1051



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	ST. STATUS	MX. STOR.	AV. G	PRM. MD.	TOT. CAP.	TOT. ENERGY	(1000 S)	ANUL. COST	ERC ECONOMIC	ERC NOM ECONOMIC	
ACTV DEP	OWNER		DR. AREA	(D M. N)	(D M. N)		(FT)	(KW)	(KW)		(PT)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)				
CODE				(80 MI)	(80 MI)		(FT)	(KW)	(KW)		(MWH)	(MWH)	(MWH)	(MWH)	(MWH)					
FILE																				
STATUS																				
NHNCB0169	POTSDAM	ST LAWRENCE	RAGUETTE RIVER	44 40.0	75 59.2	RSH	0	0	0	0	0	0	0	0	0	309.99				
6	DFC I	VILLAGE OF POTSDAM				IS	0	1000	1000		8.9	1950.0	8.9	11493	11493	26.971				
NHNCB0152	RAINBOW FALLS	ST LAWRENCE	RAGUETTE RIVER	44 30.9	74 49.2	H	82.0	22500	22500		9438	1690.0	101.8	106105	106105	0				
6	DFC I	NIAGARA MOHAWK POWER COR				OP	101.8	22500	22500		101.8	1690.0	101.8	106105	106105	0				
NHNCB0146	RAYMONDVILLE	ST LAWRENCE	RAGUETTE RIVER	44 50.1	74 58.8	H	17.0	2000	2000		264	1060.0	22.0	12725	4210	23.509	1045	1045		
2	DRC S	NIAGARA MOHAWK POWER COR				OP	22.0	2239	2239		22.0	1060.0	22.0	16935	16935	5.5843	1045	1045		
NHNCB0150	SOUTH COLTON DEVELOPMENT	ST LAWRENCE	RAGUETTE RIVER	44 31.1	74 52.8	H	42.0	19350	19350		1375	1700.0	84.9	89658	89658	0				
6	DFC I	NIAGARA MOHAWK POWER COR				OP	84.9	19350	19350		84.9	1700.0	84.9	89658	89658	0				
NHNCB0158	SOUTH EDWARDS	ST LAWRENCE	OSWEGATCHE	44 15.9	75 11.4	H	47.0	2680	2680		851	600.0	85.0	19570	2097	43.262	1164	1164		
2	DRC I	NIAGARA MOHAWK POWER COR				OP	85.0	3169	3169		85.0	600.0	85.0	21667	21667	20.630	1164	1164		
NHNCB0154	STARK DEVELOPMENT	ST LAWRENCE	RAGUETTE RIVER	44 27.2	74 45.7	H	35.0	22500	22500		11430	1500.0	104.8	103455	103455	0				
6	DFC I	NIAGARA MOHAWK POWER COR				OP	104.8	22500	22500		104.8	1500.0	104.8	103455	103455	0				
NHNCB0147	SUGAR ISLAND	ST LAWRENCE	RAGUETTE RIVER	44 37.8	74 58.4	H	37.0	4800	4800		55	1850.0	63.0	32765	15573	154.31	1100	1100		
2	DRC S	NIAGARA MOHAWK POWER COR				OP	63.0	6503	6503		63.0	1850.0	63.0	48338	48338	9.9094	1100	1100		
NHNCB0140	UNIONVILLE	ST LAWRENCE	RAGUETTE RIVER	44 42.8	74 59.8	H	17.0	1380	1380		400	1950.0	16.0	10900	958	22.466	1184	1184		
2	DRC I	POTSDAM PAPER CO				OP	16.0	1568	1568		16.0	1950.0	16.0	11858	11858	23.450	1184	1184		
NHNCB0177	VALEVILLE	ST LAWRENCE	RAGUETTE RIVER	44 45.9	75 0.0	H	0	735	735		0	1950.0	10.0	3582	3582	44.548	1109	1109		
2	DRC I	NIAGARA MOHAWK POWER COR				OP	10.0	250	250		10.0	1950.0	10.0	3811	3811	11.689	1109	1109		

FM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO. -NAME OF STREAM OWNER	LATITUDE	LONGITUDE	DR. AREA	(D M. M.)	(D M. M.)	(80. MI)	PROJ. PURP.	STATUS	AVE. G	(CFS)	(AC FT)	(AC FT)	(KW)	(KW)	(KW)	(KW)	TOT. ENERGY	(1000 \$)	(\$/MWH)	ANUL. COST	EXIST. ENRG. ANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC		
NYHNCB0160	2	DRC I		KEUKA HYDRO	STEUBEN ELECTRIC	42 29.6	77 7.1	45	86.0	OP	7.0	1892	0	1892	0	22000	0	22000	0	22000	0	0	0	0	0	1376	1376	1376	1376	
NY6NAP0030	6	DRC I		BARRYVILLE	SULLIVAN DELAWARE	41 28.1	74 54.5	2707		IS	90.0	0	52605	52605	163856	163856	0	0	0	0	0	0	8482.0	51.765	0	0	0	0	0	
NYHNAPO029	5	DRC I		MONGAUP FALLS	SULLIVAN MONGAUP	41 32.2	74 46.3	3000	301.0	OP	60.0	4000	0	4000	0	16844	0	16844	0	16844	0	0	0	0	0	0	0	0	0	0
NY6NAP0027	5	DRC I		NARROWSBURG	SULLIVAN DELAWARE	41 36.5	75 3.7	1925		IS	60.0	0	19323	19323	62835	62835	0	0	0	0	0	0	3623.2	57.663	0	0	0	0	0	
NYCNAPO031	2	DRC I		NEVERBINK RESERVOIR DAM	SULLIVAN NEVERSINK	41 49.5	74 36.3	93	266.0	SO	195.0	0	3311	3311	9394	9394	0	0	0	0	0	0	347.95	37.37	0	0	1293	1293	1293	
NYVINAP0033	5	DRC I		SWINGING BRIDGE RESERVIOR	SULLIVAN MONGAUP	41 34.3	74 46.9	147	250.0	HR	135.0	11750	0	11750	0	28000	0	28000	0	28000	0	0	0	0	0	0	0	0	0	0
NYPNCB0182	2	DRC I		BEERE LAKE DAM	TOMPKINS FALL CREEK	42 27.0	76 28.8	120	180.0	IS	26.0	0	982	982	6324	6324	0	0	0	0	0	0	166.27	26.289	0	0	1214	1214	1214	
NYANANO145	2	DRC		ASHOKON DAM	ULSTER NEW YORK CITY	41 54.0	74 11.9	257	-425.4	S	252.0	0	19663	19663	56620	56620	0	0	0	0	0	0	1047.8	18.506	0	0	1151	1151	1151	
NYCNAPO154	2	DRC		CANTINE	ULSTER ESOPUS CREEK	42 4.3	74 56.9	175	-407.0	S	38.0	0	3763	3763	8934	8934	0	0	0	0	0	0	331.17	37.68	0	0	1294	1294	1294	

FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO. -NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	STATUS	AVE. 0	PWR. HD.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENERGY	INC. ENERGY	TOT. ENERGY	ANNUAL COST	ERC ECONOMIC	
						OWNER	(D M.M)	(D M.M)				(FT)	(AC FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	ERC COMPOSITE	
							(90.MI)	(FT)	(CFS)			(FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	
	NYGNANO149				DASHVILLE	WALLKILL	41 47.9	74 5.9	OP	-1179.7		34.0	40.0	4800	0	4800	18518	0	0	0	1429	1429
	NY00076				ULSTER	WALLKILL	74 5.9	74 5.9	OP	-1179.7		34.0	50	0	0	4800	18518	0	0	0	1429	1429
	NY00076				CENTRAL HUDSON GAS + ELEC. C																	
	NYDNANO151				GARDINER		41 41.0	74 10.2	S			38.0	38.0	0	0	0	0	0	0	740.70	1241	1429
	NY00083				ULSTER	WALL KILL RIV	74 10.2	74 10.2	OP			38.0	38.0	11245	11245	11245	24669	24669	24669	30.25	1241	1241
	NY00083																					
	NYANANO147				MERRIMAM DAM	RONDDUT CREEK	41 47.9	74 25.5	S			195.0	195.0	0	0	0	0	0	0	670.94	1228	1228
	NY00074				ULSTER	RONDDUT CREEK	74 25.5	74 25.5	OP			175.0	175.0	7294	7294	7294	23357	23357	23357	28.725	1228	1228
	NY00074				CITY OF NEW YORK																	
	NYGNANO148				STURGEON POOL		41 47.9	74 5.9	H			115.0	115.0	14400	14400	14400	52000	52000	52000	306.29	1142	1142
	NY00075				ULSTER	WALLKILL	74 5.9	74 5.9	OP			200.0	200.0	10179	10179	10179	18740	18740	18740	16.344	1142	1142
	NY00075				CENTRAL HUDSON GAS AND ELECT							108.0	108.0	24579	24579	24579	70740	70740	70740			
	NYGNANO159				GLEN FALLS		43 18.9	73 41.9	OP			48.0	48.0	9840	9840	9840	46000	46000	46000	775.70	1339	1339
	NY00807				WARREN	HUDSON	73 41.9	73 41.9	OP			23.0	23.0	10216	10216	10216	18209	18209	18209	42.600	1339	1339
	NY00807																					
	NYGNANO155				SCHROON RIVER PULP + PAPER D		43 28.0	73 48.0	H			31.0	31.0	0	0	0	0	0	0	454.9	1247	1247
	NY00010				WARREN	SCHROON RIVER	73 48.0	73 48.0	OP			52	52	4599	4599	4599	14691	14691	14691	30.908	1247	1247
	NY00010				WARRENSBURG 80 + PAPER C							24.0	24.0	4599	4599	4599	14691	14691	14691			
	NY00010																					
	NYINANO156				SHERMAN ISLAND DAM		43 16.1	73 43.1	H			60.0	60.0	28800	28800	28800	150000	150000	150000	2767.1	2103	2103
	NY00141				WARREN	HUDSON RIVER	73 43.1	73 43.1	OP			930.0	930.0	42447	42447	42447	28934	28934	28934	95.638	2103	2103
	NY00141				NIAGARA MOHAWK POWER CO.							60.0	60.0	71247	71247	71247	178934	178934	178934			
	NYGNANO158				SPIER FALLS		43 14.0	73 45.3	H			150.0	150.0	44400	44400	44400	214000	214000	214000	2016.5	1500	1500
	NY00703				WARREN	HUDSON RIVER	73 45.3	73 45.3	OP			84.0	84.0	41307	41307	41307	25361	25361	25361	79.515	1500	1500
	NY00703				NIAGARA MOHAWK POWER CORP.									85707	85707	85707	259361	259361	259361			
	NYGNANO160				TROUT BROOK		43 45.0	73 54.0	S,R			85.0	85.0	0	0	0	0	0	0	342.44	1270	1270
	NY00822				WARREN	TROUT BROOK	73 54.0	73 54.0	OP			83.0	83.0	2847	2847	2847	10198	10198	10198	33.577	1270	1270
	NY00822													2847	2847	2847	10198	10198	10198			









FM 2 ID NO	PROJECT NAME	PROJECT PURPOSE	DAM HT	EXIST. CAP.	EXIST. ENRG. MANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	STATUS	MX. STOR.	INC. CAP.	INC. ENRG. ENERGY COST	ERC NON-ECONOMIC
ACTV CODE	OWNER	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
CODE		(PT)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
FILE	DR-AREA	(CFS)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
STATUS	(SQ. MI)					
NCMSAW0011	SAXAPAHAN	R	29.0	0	366.99	0
NC00747	ALAMANCE	OP	420	5089	29.542	0
2 DRC I	SELLARS MFG CO		1024	5089	13032	13032
NC6SAC0003	HILLERSVILLE	H	40.0	320	0	0
NC03212	ALEXANDER	OP	335	0	0	0
5 DRC	RHODES WHITNER MILLS		34.3	320	0	0
NC4DRH0011	UDP	CH	220.0	0	5463.4	0
NCU0149	ALLEGHANY	IS	0	79818	40.582	0
5 DRC I			204.7	79818	134626	134626
NC4DRH0012	UDP	CH	250.0	0	4790.6	0
NCU0150	ALLEGHANY	IS	0	30991	77.129	0
5 DRC I			224.7	30991	62111	62111
NC4DRH0013	UDP	CH	170.0	0	3342.1	0
NCU0151	ALLEGHANY	IS	0	20023	83.284	0
5 DRC I			156.8	20023	40129	40129
NC4DRH0014	UDP	CH	170.0	0	2975.9	0
NCU0152	ALLEGHANY	IS	0	8929	103.91	0
5 DRC I			154.8	8929	28638	28638
NC4DRH0015	UDP	CH	320.0	0	6289.1	0
NCU0153	ALLEGHANY	IS	0	34594	90.710	0
5 DRC I			309.6	34594	69332	69332
NC4DRH0016	UDP	CH	250.0	0	5054.9	0
NCU0154	ALLEGHANY	IS	0	42708	59.56	0
5 DRC I			234.7	42708	85595	85595
NCISAC0002	BLEWETT FALLS	HR	51.0	24600	2094.2	0
NC00494	ANSON	OP	10000	34344	71.215	0
2 DRC	CAROLINA POWER AND LIGHT		40.0	58944	173366	173366

FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	ANNUAL COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. OWNER	DR AREA	DR AREA	STATUS	AVG. Q	INC. CAP.	ENERGY COST	ERC NONECONOMIC
ACTY DEP	FILE	(D M.M)	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)
CODE CODE	STATUS	(90.MI)	(90.MI)	(FT)	(KW)	(MWH)	(MWH)	(\$/MWH)
								(SEQUENCE RANK)
								(SEQUENCE RANK)
NC6SAC0001	CRUMPS FORD	35 10.4	80 8.9	H	151.0	73506	0	0
S	NCU0013	ANSON	ROCKY RIVER	IS	69000	73506	85150	12105
	5CP		1375		132.4		85150	142.16
NCASAM0013	LOCK AND DAM NO 1	34 24.2	78 17.6	N	23.0	0	0	0
NC00182	BLADEN	CAPE FEAR RIV	2000	OP	800	0	5785	233.44
2	DPC I	DAEN-SAM	5220		6.5	800	5785	40.352
NCASAM0014	LOCK AND DAM NO 2	34 37.6	78 34.6	N	24.5	0	0	0
NC00205	BLADEN	CAPE FEAR RIV	1500	OP	450	0	2568	174.43
2	DPC I	DAEN-SAM	4980		2.8	450	2568	67.926
NCASAM0015	WILLIAM O HUSKE LOCK AND DAM	34 50.1	78 49.3	N	30.2	0	0	0
NC00206	BLADEN	CAPE FEAR RIV	1300	OP	640	0	3885	209.3
2	DPC I	DAEN SAW	4810		4.2	640	3885	54.365
NC40RN0049	NEWFOUND CREEK	35 39.6	82 37.4	H	170.0	0	0	0
NCU0078	BUNCOMBE	FRENCH BROAD	1054	IS	1980.0	124973	229254	6066.2
2	DRC I	TVA			156.8	124973	229254	26.460
NCCOR0051	NORTH FORK RESERVOIR	35 39.6	82 20.6	S	140.0	0	0	0
NC00288	BUNCOMBE	NORTH FORK RIV	1560	OP	816	0	2690	119.69
5	DRC I	CITY OF ASHEVILLE	22		119.8	816	2690	44.483
NCISAC0007	BRIDGEWATER-LAKE JAMES	35 45.0	81 50.0	H	157.0	20000	39922	0
NC00141	BURKE	CATAMBA RIVER	28800	OP	0	0	0	0
5	SCP	DUKE POWER COMPANY	380		133.7	20000	39922	0
NCGSAC0008	HENRY RIVER	35 42.0	81 25.5	HS	36.0	90	807	0
NC00373	BURKE	HENRY FORK	77	OP	0	0	0	0
5	DRC	HENRY RIVER HILLS CO.	80		35.0	90	807	0
NC6SAC0004	MORGANTON	35 47.1	81 37.8	H	65.0	0	0	0
NCU0003	BURKE	CATAMBA RIVER	17871	IS	12423	12423	46089	5308.4
5	DRC		593		69.8	12423	46089	115.17

FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	INC.CAP.	TOT.CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
					NAME OF STREAM			DR. AREA	DR. AREA	AVE. Q	MPHR.	(KW)	(KW)	(KW)	(MWH)	(1000 \$)	ERC NONECONOMIC
								(D M.M)	(D M.M)		(FT)	(AC FT)	(MWH)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
								(SQ.MI)	(SQ.MI)	(CFS)	(AC FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
NCISAC0006	NCISAC0006				RHOONISS	CATAMBA RIVER	DUKE POWER COMPANY	35 46.5	81 26.0	H	79.0	25500	0	25500	67176	0	0.
5	NCISAC00104				BURME	CATAMBA RIVER	DUKE POWER COMPANY	1088	1700.0	DP	113866	0	25500	67176	0	0.	
NCISAC0015	NCISAC0015				OXFORD LAKE HICKORY	CATAMBA RIVER	DUKE POWER CO.	35 49.3	81 11.5	H	105.0	36000	0	36000	107484	0	0.
5	NCISAC00329				CHATHAM	CATAMBA RIVER	DUKE POWER CO.	1310	2025.0	DP	366840	0	36000	107484	0	0.	
NCCSAW0026	NCCSAW0026				B EVERETT JORDAN LAKE	HAW RIVER	DAEN=SAW	35 31.3	79 4.2	CR80	116.5	0	16843	46364	723.46	0.	
2	NCCSAW00173				CHATHAM	HAW RIVER	DAEN=SAW	1690	1690.0	DP	1562500	16843	16843	46364	15.603	0.	
NC6SAW0024	NC6SAW0024				BYNUM	HAW RIVER	DAEN=SAW	35 46.5	79 8.7	HCR	90.0	0	17312	50318	4355.0	0.	
2	NC6SAW00044				CHATHAM	HAW RIVER	DAEN=SAW	1290	1290.0	I8	237000	17312	17312	50318	86.549	2000	
NCASAW0022	NCASAW0022				BYNUM 5/	HAW RIVER	DAEN=SAW	35 46.5	79 8.9	0	14.0	0	1508	6300	273.82	0.	
2	NCASAW00040				CHATHAM	HAW RIVER	DAEN=SAW	1290	1290.0	DP	0	1508	1508	6300	43.463	0.	
NCMSAW0019	NCMSAW0019				LOCKVILLE	DEEP RIVER	DAEN=SAW	35 37.4	79 5.9	H	49.0	0	23545	37847	1030.1	0.	
2	NCMSAW00030				CHATHAM	DEEP RIVER	DAEN=SAW	1420	1420.0	I8	0	23545	23545	37847	27.218	1000	
NC6SAW0021	NC6SAW0021				MANDALE	HAW RIVER	DAEN=SAW	35 51.5	79 15.0	H	80.0	0	23424	46473	7045.7	0.	
2	NC6SAW00039				CHATHAM	HAW RIVER	DAEN=SAW	1170	1170.0	I8	237000	23424	23424	46473	151.60	2000	
NC6SAW0020	NC6SAW0020				HODRES MILL	HAW RIVER	DAEN=SAW	35 44.2	79 6.6	HCR	70.0	0	15734	42134	2797.2	0.	
2	NC6SAW00038				CHATHAM	HAW RIVER	DAEN=SAW	1350	1350.0	I8	8700	15734	15734	42134	66.389	2000	
NCIDRN0059	NCIDRN0059				APALACHIA LAKE	HINASSEE R.	DAEN=SAW	35 10.0	84 17.7	H	150.0	78900	0	59900	59900	0	0.
5	NCIDRN00181				CHEROKEE	HINASSEE R.	DAEN=SAW	1018	2410.2	DP	69360	0	78900	59900	0	0.	
					TVA	HINASSEE R.	DAEN=SAW				430.0	78900	78900	59900	0	0.	



FM 2 ID NO	PROJECT NAME	PRIMARY CO. NAME	OWNER	DR. AREA	LONGITUDE	LATITUDE	PROJ. PURP.	STATUS	AVE. G	PHR. HD.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	INC. ENRGY	TOT. ENRGY	ANNUAL ENERGY	COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE
ACTV DEP	FILE	STATUS	(D M M)	(D M M)	(PT)	(AC FT)	(CFS)	(PT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
NCISAC0421	HIGH ROCK	DAVIDSON	YADKIN RIVER	35 35.9	80 14.1	74.0	HR	386179	7741	7741	0	0	0	138895	14550	153446	986.71	0.	0.	0.	1000
NC0388	YADKIN INC			3980		58.9	DP	4667.0	57922	57922				153446			67.813				
NC6SAC0024	COOLEEMEE	DAVIE	SOUTH YADKIN	35 49.3	80 35.5	105.0	H		7741	7741	0	0	23094	23094			10564	0.	0.	0.	
5 SCP I				534		83.3	IS	596.0						23094			457.42				
NC6SAC0023	JUNCTION	DAVIE	YADKIN RIVER	35 45.5	80 27.2	89.0	H		0	0	0	0	43038	121868	121868		14138	0.	0.	0.	
5 SCP				2430		67.8	IS	2887.0	43038	43038				121868			116.1				
NC6SAC0022	STYERS	DAVIE	YADKIN RIVER	36 2.9	80 27.5	84.0	H		0	0	0	0	18966	84990	84990		9530.5	0.	0.	0.	
5 SCP				1870		66.1	IS	2654.0	18966	18966				84990			112.13				
NCOSAN0030	LAKE MICHIE DAM	DURHAM	FLAT RIVER	36 9.0	78 49.6	2100	H SR		0	0	0	0	2199	3753	3753		192.92	0.	0.	0.	
2 DRC I	CITY OF DURHAM			167		52.6	DP	157.0	2199	2199				3753			51.289				1000
NCGSAC0027	IDOLS	FORBYTH	YADKIN RIVER	35 58.4	80 23.9	151.0	H S		1811	1811	0	0	10351	10351			0	0.	0.	0.	
5 DRC	DUKE POWER COMPANY			1876		10.0	DP	2383.0	1811	1811				10351			0				
NCMSAC0031	CAROLINIAN HIGHCOALS DAM	GASTON	SOUTH FORK CA	35 23.8	81 12.3	30.0	H		0	0	0	0	10939	10939			333.11	0.	0.	0.	
2 DRC	MCNEIL INDUSTRIES			509		29.9	DP	670.0	4021	4021				10939			30.450				1000
NCMSAC0030	DALLAS	GASTON	SOUTH FORK CA	35 22.8	81 11.4	20.0	S		0	0	0	0	7304	7304			319.13	0.	0.	0.	
5 DRC	HARDINS MANUFACTURING CO			513		19.9	DP	675.0	2564	2564				7304			43.689				
NCMSAC0029	MCADENVILLE DAM	GASTON	SOUTH FORK CA	35 15.7	81 4.6	19.0	S		0	0	0	0	9013	9013			360.51	0.	0.	0.	
2 DRC	PHARR YARNS INC			633		19.9	DP	796.0	3164	3164				9013			39.998				1000

PM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	NAME OF STREAM	DR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER		(D.M.A)	AVE. G	(FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
CODE			(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE			(SQ.MI)		(FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS									(SEQUENCE RANK)
NCISAC0028	MOUNTAIN ISLAND	35 20.1	80 59.1	H	91.0	60000	129775	0	0.
NC00787	GASTON	80 59.1	1860	OP	116460	0	0	0	0.
5	DUKE POWER CO	1860			75.9	60000	129775		0.
NCJSAC0032	SPENCER MOUNTAIN	35 18.5	81 6.7	HS	12.6	640	5091	0	0.
NC04000	GASTON	81 6.7	3000	OP	3000	0	0	0	0.
5	DUKE POWER COMPANY	3000			23.2	640	5091		0.
NCIDRN0065	CHEOAH LAKE	35 26.8	83 56.1	H	230.0	110000	678900	0	0.
NC00393	GRAHAM	83 56.1	42000	OP	42000	0	0	0	0.
5	DFC I	1608			190.0	110000	678900		0.
NCIDRN0067	FONTANA LAKE	35 27.0	83 48.2	H	480.0	225000	1229300	0	0.
NC00298	GRAHAM	83 48.2	58732	OP	58732	0	0	0	0.
5	DFC I	1571			303.0	225000	1229300		0.
NCIDRN0066	SANTEETLAH LAKE	35 22.6	83 52.5	H	200.0	45000	219800	0	0.
NC00392	GRAHAM	83 52.5	271320	OP	271320	0	0	0	0.
5	DFC I	176			664.0	45000	219800		0.
NCISAW0041	GASTON DAM	36 30.1	77 48.6	H	105.0	177920	359898	0	0.
NC00826	HALTFAX	77 48.6	536000	OP	536000	0	0	0	0.
5	DRC D	8340			71.9	177920	359898		0.
NCISAW0042	ROANOKE RAPIDS DAM	36 29.0	77 40.2	H	72.0	100080	18	0	0.
NC00827	HALTFAX	77 40.2	216384	OP	216384	0	0	0	0.
5	DRC D	8400			21.2	100080	18		0.
NCMSAW0043	BUCKHORN FALLS	35 31.9	78 58.9	HO	14.0	0	0	788.56	0.
NCU0035	HARNETT	78 58.9	1600	OP	1600	6698	17696	44.561	0.
2	DRC I	3196			11.9	6698	17696		1000
NC68AW0044	LITLINGTON	35 26.0	78 52.0	H	45.0	0	0	4998.4	0.
NCU0036	HARNETT	78 52.0	142000	SI	142000	26986	68849	72.599	0.
2	DRC E	3410			43.2	26986	68849		2000



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT.	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	ANNUAL COST	ERC ECONOMIC
ACTV DEP	OWNER			DR. AREA	MX. STOR.	STATUS	MX. STOR.	INC. CAP.	INC. CAP.	INC. ENRGY	ENERGY COST	ERC NONECONOMIC
CODE				(D M M)	(AC FT)	AVE. Q	(KWH)	TOT. CAP.	TOT. CAP.	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE				(D M M)	(AC FT)	(CFS)	(KWH)	(KWH)	(KWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS				(SQ MI)	(PT)		(KWH)	(MWH)	(MWH)	(MWH)		(SEQUENCE RANK)
NC48A0045	SATLEY FALLS	CAPE FEAR RIV	78 41.0	35 16.9	7900	H	50.0	0	0	91238	4631.9	0.
NCU0037	HARNETT	CAPE FEAR RIV	78 41.0	35 16.9	7900	H	50.0	0	0	91238	50.767	0.
2 DRC S	SITE EVALUATED BY FERC AND C		3700	3700.0	47.8		48953	48953				2000
NC60RN0068	JONATHANS CREEK	PIGSEON RIVER	35 37.5	82 59.8	190.0	H	190.0	0	0	55155	4328.3	0.
NCU0092	HAYWOOD	PIGSEON RIVER	35 37.5	82 59.8	134300	I8	134300	21628	21628	55155	78.476	0.
6 DRC I	TVA		282	282	164.8							0.
NCI0RN0071	WATERVILLE LAKE	PIGSEON RIVER	35 41.6	83 3.0	185.0	H	185.0	108000	108000	467000	0	0.
NC00318	HAYWOOD	PIGSEON RIVER	35 41.6	83 3.0	30000	OP	30000	0	0	467000	0	0.
5 DFC I	CAROLINA LIGHT + POWER		455	455	858.0			108000	108000		0	0.
NC79AC0033	SALUDA	GREEN RIVER	35 16.9	82 21.3	210.0	HR	210.0	0	0	49590	2169.9	0.
NCU0001	HENDERSON	GREEN RIVER	35 16.9	82 21.3	17200	I8	17200	8034	8034	49590	43.757	0.
5 DRC			78	78	686.3							0.
NCISAC0034	TUXEDO DAM (LAKE SUMMIT)	GREEN RIVER	35 14.0	82 23.9	130.0	HR	130.0	5000	5000	15659	0	0.
NC00311	HENDERSON	GREEN RIVER	35 14.0	82 23.9	14520	OP	14520	0	0	15659	0	0.
5 DRC	DUKE POWER COMPANY		42	42	285.5			5000	5000		0	0.
NCMSA00048	MT. PLEASANT	LOWER LITTLE	35 10.4	79 6.3	15.0	H	15.0	0	0	2850	233.44	0.
NCU0049	HOKK-MOORE	LOWER LITTLE	35 10.4	79 6.3	0	OP	0	1000	1000	2850	81.910	0.
2 DFC I	WILLIAM DALTON FLOWERS JR.		299	299	12.9			1000	1000			1000
NCI0RN0074	WOLF CK LAKE	WOLF CK.	35 13.2	83 0.0	180.0	H	180.0	0	0	5731	203.99	0.
NC00789	HYDE	NANTHALA POWER + LIGHT	35 13.2	83 0.0	14561	OP	14561	1918	1918	5731	35.588	0.
5 DRC D	NANTHALA POWER + LIGHT		15	15	164.8							0.
NCISAC0037	LOOKOUT SHOALS	CATAWBA	35 45.1	81 5.1	96.5	H	96.5	18720	18720	92319	643.80	0.
NC00394	IREDELL	CATAWBA	35 45.1	81 5.1	37440	OP	37440	8646	8646	7393	87.77	0.
2 DRC	DUKE POWER CO.		1449	1449	76.8			27366	27366	99713		1000
NCI0RN0077	BEAR CK RESERVOIR	TUCKASEGEE R	35 14.4	83 4.3	215.0	H	215.0	9000	9000	28800	0	0.
NC00336	JACKSON	TUCKASEGEE R	35 14.4	83 4.3	34711	OP	34711	0	0	28800	0	0.
5 DFC I	NANTHALA POWER + LIGHT		75	75	190.0			9000	9000	28800	0	0.
			-192.5	-192.5	190.0							0.



PM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENERGY	INC. ENERGY	TOT. ENERGY	ANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE
								(D M M)	(D M M)	(S)	(FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)
								(S)	(S)	(S)	(FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)
NCIOR0079				NANTAHALA RESERVOIR	MACON	NANTAHALA RIV	35 11.8	83 39.3	H	250.0	43800	0	0	0	298000	0	0	0	0	0	0
5 DFC I				NANTAHALA POWER + LIGHT			91		DP	138730	43800	0	0	0	298000	0	0	0	0	0	0
NC5OR0078				WESSER	MACON	NANTAHALA RIV	35 16.5	83 40.7	H	40.0	0	0	0	0	0	0	0	1912.4	0	0	0
5 DRC I							133		IS	460.0	6109	6109	6109	37853	37853	37853	51.613	0	0	0	0
NC5OR0083				BRUSH CREEK	MADISON	FRENCH BROAD	35 50.7	82 45.4	H	15.0	0	0	0	0	0	0	0	6681.9	0	0	0
2 DRC I							1405		IS	2400.0	159163	159163	159163	291974	291974	291974	22.085	0	0	0	2000
NCIOR0084				MARSHALL RESERVOIR	MADISON	FRENCH BROAD	35 47.5	82 42.6	H	39.0	3000	3000	3000	0	0	0	0	0	0	0	0
5 DFC I							1343		DP	-2985.0	3000	3000	3000	20000	20000	20000	0	0	0	0	0
NC5OR0082				PINE CREEK	MADISON	FRENCH BROAD	35 47.7	82 43.8	H	30.0	0	0	0	0	0	0	0	9646.0	0	0	0
2 DRC I							1391		IS	2570.0	208002	208002	208002	381566	381566	381566	25.280	0	0	0	2000
NC5OR0085				POPLAR	MITCHELL	NOLICHUCKY RI	36 4.7	82 21.4	H	65.0	0	0	0	0	0	0	0	4649.8	0	0	0
2 DRC I							619		IS	1080.0	104731	104731	104731	174733	174733	174733	26.611	0	0	0	2000
NCOSAC0042				EURY DAM	MONTGOMERY	LITTLE RIVER	35 15.1	79 54.5	R	45.0	0	0	0	0	0	0	0	1106.7	0	0	0
5 DRC							243		DP	254.0	2876	2876	2876	5402	5402	5402	204.84	0	0	0	0
NC6SAC0733				MARTINS BRIDGE	MONTGOMERY	LITTLE RIVER	35 14.0	79 54.5	HC	167.0	0	0	0	0	0	0	0	3901.2	0	0	0
5 5CP							272		IS	284.0	11200	11200	11200	20210	20210	20210	193.3	0	0	0	0
NC6SAC0734				UHARRIE	MONTGOMERY	UHARRIE RIVE	35 23.1	80 2.5	HC	85.0	0	0	0	0	0	0	0	3190.1	0	0	0
5 5CP							355		IS	332.0	4320	4320	4320	9966	9966	9966	320.10	0	0	0	0

FM 2 ID NO	FM 1 ID NO	ACTV CODE	FILE STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	DR. AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
NC68AC0735	NC68AC0735	5	5	FOSTER POLK	GREEN RIVER	GREEN RIVER	35 19.5	82 14.3	35 19.5	H	120.0	3975	3975	12609	12609	2174.6	172.45
NC68AC0735	NC68AC0735	5	5	TURNER SHOALS DAM (LAKE ADGE)	GREEN RIVER	GREEN RIVER	35 20.1	82 11.1	35 20.1	HR	90.0	5500	0	13693	13693	0	0
NC68AC0735	NC68AC0735	5	5	DROWNING CREEK DAM NO. 1	RICHMOND	DROWNING CREEK	35 8.9	79 36.4	35 8.9	CHSR	83.0	0	0	0	0	3354.8	917.98
NC68AC0735	NC68AC0735	5	5	GREATER BLEWETT FALLS	RICHMOND	REE DEE RIVER	34 59.2	79 52.8	34 59.2	H	94.0	150874	0	350358	350358	21525	61.439
NC68AC0735	NC68AC0735	2	2	MORVEN RICHMOND	RICHMOND	REE DEE RIVER	34 49.9	79 54.9	34 49.9	H	51.0	47085	0	126785	126785	7750.7	61.132
NC68AC0735	NC68AC0735	2	2	STUDIED BY DAEN-SAW	STUDIED BY DAEN-SAW	DEEP RIVER	79 34.8	79 34.8	79 34.8	PA	34100	7133	7133	13194	13194	6108.3	462.95
NC68AC0735	NC68AC0735	2	2	TAR RIVER DAM	NASH CITY OF ROCKY MOUNT	TAR RIVER	35 52.8	77 55.3	35 52.8	SR	27.0	0	0	0	0	449.51	35.798
NC68AC0735	NC68AC0735	2	2	LAKE HYCO DAM	PERSON CAROLINA POWER AND LIGHT	HYCO RIVER	36 30.5	79 2.4	36 30.5	HSR	55.0	1265	1265	2010	2010	192.79	95.915
NC68AC0735	NC68AC0735	2	2	HIGH FALLS	MOORE JOHN M. CURRIE, CARTHAGE NC	DEEP RIVER	35 28.2	79 31.5	35 28.2	OP	13.5	1090	1090	3093	3093	266.13	86.44
NC68AC0735	NC68AC0735	2	2	HOWARDS MILL LAKE	HOWARDS MILL LAKE	DEEP RIVER	35 29.0	79 34.8	35 29.0	CSRD	115.0	0	0	0	0	6108.3	462.95
NC68AC0735	NC68AC0735	5	5	TURNER SHOALS DAM (LAKE ADGE)	GREEN RIVER	GREEN RIVER	35 20.1	82 11.1	35 20.1	HR	90.0	5500	0	13693	13693	0	0
NC68AC0735	NC68AC0735	5	5	DROWNING CREEK DAM NO. 1	RICHMOND	DROWNING CREEK	35 8.9	79 36.4	35 8.9	CHSR	83.0	0	0	0	0	3354.8	917.98
NC68AC0735	NC68AC0735	2	2	GREATER BLEWETT FALLS	RICHMOND	REE DEE RIVER	34 59.2	79 52.8	34 59.2	H	94.0	150874	0	350358	350358	21525	61.439
NC68AC0735	NC68AC0735	2	2	MORVEN RICHMOND	RICHMOND	REE DEE RIVER	34 49.9	79 54.9	34 49.9	H	51.0	47085	0	126785	126785	7750.7	61.132
NC68AC0735	NC68AC0735	2	2	STUDIED BY DAEN-SAW	STUDIED BY DAEN-SAW	DEEP RIVER	79 34.8	79 34.8	79 34.8	PA	34100	7133	7133	13194	13194	6108.3	462.95
NC68AC0735	NC68AC0735	2	2	TAR RIVER DAM	NASH CITY OF ROCKY MOUNT	TAR RIVER	35 52.8	77 55.3	35 52.8	SR	27.0	0	0	0	0	449.51	35.798
NC68AC0735	NC68AC0735	2	2	LAKE HYCO DAM	PERSON CAROLINA POWER AND LIGHT	HYCO RIVER	36 30.5	79 2.4	36 30.5	HSR	55.0	1265	1265	2010	2010	192.79	95.915
NC68AC0735	NC68AC0735	2	2	HIGH FALLS	MOORE JOHN M. CURRIE, CARTHAGE NC	DEEP RIVER	35 28.2	79 31.5	35 28.2	OP	13.5	1090	1090	3093	3093	266.13	86.44
NC68AC0735	NC68AC0735	2	2	HOWARDS MILL LAKE	HOWARDS MILL LAKE	DEEP RIVER	35 29.0	79 34.8	35 29.0	CSRD	115.0	0	0	0	0	6108.3	462.95

FM 2 ID NO	PROJECT NAME	PRJ. PURP.	DAH HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	MX-STUR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
CODE	AVE. Q	PHR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	(S/MWH)	ERC COMPOSITE
FILE	(D.M.M)	(AC FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
STATUS	(80.M)	(FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
NCMSAW993	AVALON DAM	H	22.0	0	0	218.47	0.
2 DRC I	ROCKINGHAM	DP	1586	1428	4661	46.869	0.
	WASHINGTON MILLS		21.9	1428	4661		1000
NCCSAM0073	BELENS LAKE	0	35.0	0	0	238.79	0.
NCU0088	ROCKINGHAM	OP	226544	2346	8188	29.160	0.
2 DRC I	DUKE POWER CO		139.8	2346	8188		1000
NC9SAM0075	MAYO	CHRO	237.0	0	0	0	0.
NCU0091	ROCKINGHAM	FP	1432669	600000	841000	0	0.
2 DRA I	STUDIED BY DAEN-SAW		212.0	600000	841000		2000
NC08AH0077	SPRAY	HO	15.0	1000	7505	311.43	0.
NC15530	ROCKINGHAM	OP	0	3711	4361	71.742	0.
2 DRC I	SPRAY WATER POWER AND LAND C		32.0	4711	11846		1000
NC48AH0074	STONEVILLE	HO	94.0	0	0	2144.7	0.
NCU0090	ROCKINGHAM	FP	51900	3993	13159	162.98	0.
2 DRC S	STUDIED BY DAEN-SAW		65.2	3993	13159		2000
NCPSAC0047	COOLEEHEE DAM	HS	24.0	0	0	334.48	0.
NC00186	ROWAN	DP	172	3249	8735	38.289	0.
2 DRC	DAVIE COUNTY		23.9	3249	8735		1000
NCGSAC0051	CLIFFSIDE	H	32.0	1625	4977	0	0.
NC00134	RUTHERFORD	DP	77	0	0	0	0.
5 DRC	CONE MILL CORP		27.8	1625	4977		0.
NC6SAC0049	CLINCHFIELD DAM	HCSR	150.0	0	0	15143	0.
NCU0004	RUTHERFORD	81	1156000	46849	72762	208.11	0.
5 SCP	BROAD RIVER		130.0	46849	72762		0.
NCISAC0050	LAKE LURE	HR	120.0	3600	10350	0	0.
NC00100	RUTHERFORD	DP	77040	0	0	0	0.
5 SCP	TOWN OF LAKE LURE		111.1	3600	10350		0.

FM 2 ID NO	FM 1 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. ENRG	COST	ERC ECONOMIC	ERC NONECONOMIC	
										(D M.M)	(D M.M)	(D M.M)	(FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)
										(90 MI)	(90 MI)	(CFS)	(AC FT)	(AC FT)	(AC FT)	(MWH)	(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)	
NC68AC0740						DROWNING CREEK DAM NO.2	SCOTLAND	DROWNING CREEK		35 0.0	79 24.5	I8	147000	1224	1224	2892	0	0	4173.7	0.	0.	
5	DRC									302	445.0		10.5			2892			1443.0		0.	
NCISAC0056						NARROWS DAM		LAKES		35 25.2		H	207.0	96300	284076	421456	0	0	6650.2	0.	0.	
NC00549						STANLY YADKIN RIVER				80 5.6		OP	142000	284076	87987	6650.2	0	0	75.581	0.	0.	
2	DRC					YADKIN INC				4180	4911.0		169.8	380376	509483	509483					1000	
NCISAC0054						YILLERY				35 12.4		H	89.0	84000	222280	222280	0	0	0	0.	0.	
NC00547						STANLY		REE DEE RIVER		80 3.9		OP	168000	0	0	0	0	0	0	0.	0.	
5	DRC					CAROLINA POWER AND LIGHT				4600	5390.0		72.9	84000	222280	222280					0.	
NCISAC0057						TUCKERTOWN				35 29.2		H	82.0	42000	135946	135946	0	0	0	0.	0.	
NC00550						STANLY YADKIN RIVER				80 10.6		OP	51600	0	0	0	0	0	0	0.	0.	
5	DRC					YADKIN INC				4080	4785.0		54.7	42000	135946	135946					0.	
NCISAC0055						YADKIN FALLS DAM (FALLS RESE				35 23.6		H	64.0	29500	121245	121245	0	0	783.47	0.	0.	
NC00548						STANLY YADKIN RIVER				80 4.4		OP	6171	16906	9885	79.256	0	0	79.256	0.	0.	
2	DRC					YADKIN INC				4190	4923.0		48.2	46406	131131	131131					1000	
NC98AM0079						DANBURY				36 26.0		CHR0	207.0	0	0	0	0	0	0	0.	0.	
NCU0093						STOKES		DAN RIVER		80 13.9		FP	566130	523000	735000	735000					0.	
2	DRA	I				STUDIED BY DAEN-SAN				261	313.0		169.0	523000	735000	735000					2000	
NC48AM0078						WALNUT COVE				36 20.9		HO	128.0	0	0	0	0	0	3914.2	0.	0.	
NCU0092						STOKES		DAN RIVER		80 7.9		FP	128256	10524	26249	26249			149.11	0.	0.	
2	DRC	S				STUDIED BY DAEN-SAN				382	411.0		109.9	10524	26249	26249					2000	
NC68AC0062						FISHER RIVER RESERVOIR				36 19.3		CRSD	175.0	0	0	0	0	0	4524.6	0.	0.	
NCU0171						SURRY		FISHER RIVER		80 41.5		SI	224000	4802	16588	16588			272.75	0.	0.	
5	DRC									135	202.0		126.7	4802	16588	16588					0.	
NC68AC0061						MITCHELL RIVER RESERVOIR				36 19.0		CRSD	190.0	0	0	0	0	0	2751.0	0.	0.	
NCU0170						SURRY		MITCHELL RIVER		80 48.5		SI	73500	2426	9385	9385			293.10	0.	0.	
5	SCP									77	123.0		132.4	2426	9385	9385					0.	







... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF NORTH DAKOTA

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW = 5 MW			5 MW = 10 MW			10 MW = 15 MW			.05 MW = 15 MW		
	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY
0-19	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
20-49	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
50-99	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
>100	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
TOTAL	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

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PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF NORTH DAKOTA

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL		
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
0-19	0	0	0	0	0	0	0	0	0	0	0	0
20-49	0	0	0	0	0	0	0	0	0	0	0	0
50-99	0	0	0	0	0	0	0	0	0	0	0	0
>100	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

FM 2 ID NO	PROJECT NAME	STATUS	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	OWNER	DR.AREA	LONGITUDE	INC. CAP.	INC.ENERG	ENERGY COST	ERC NDNONECONOMIC
ACTV CODE	DR.AREA	AVE. 0	PMR. MD.	TOT. CAP.	TOT.ENERG	(1000 \$)	(S/MWH)	ERC COMPOSITE
CODE	(D M.M)	(CFS)	(FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)	ERC COMPOSITE
FILE	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)	ERC COMPOSITE
STATUS	(80.MI)	(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)	ERC COMPOSITE
NDINR00258	LAKE SAKAKAWEA	MISSOURI RIVE	47 30.1	CHINR	198.0	2270000	6704.4	1998
ND00145	MCLEAN	MISSOURI RIVE	101 25.9	OP	2440000	66300	101.12	1998
2 DFC I	DAEN MRO		181400		173.2	2203700		1998
NDCNCS0177	DRAYTON DAM		48 35.7	80	20.0	0	483.23	1906
ND00021	PEMUNA	RED RIVER	97 8.5	DR	3400	15619	30.937	1906
2 DRC I	CITY OF DRAYTON		34800		14.3	15619		1906



... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF OHIO

POTENTIAL INCREMENTAL CAPACITY RANGES															
	.05 MW = 5 MW			5 MW = 10 MW			10 MW = 15 MW			.05 MW = 15 MW					
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
	INST	INCR	POTEN	INST	INCR	POTEN	INST	INCR	POTEN	INST	INCR	POTEN	INST	INCR	POTEN
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP
	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY
0=19	0*	17.2*	0*	8*	0*	17.2*	0*	13.4*	0*	2*	0*	13.4*	0*	0*	0*
20=49	0*	23.2*	0*	8*	0*	23.2*	0*	20.3*	0*	3*	0*	20.3*	0*	0*	0*
50=99	0*	7.6*	4.1*	1*	4*	11.9*	0*	5.3*	0*	1*	0*	5.3*	0*	11.2*	0*
>100	0*	0*	0*	0*	0*	0*	0*	6.1*	0*	1*	0*	6.1*	0*	14.5*	0*
TOTAL	0*	48.1*	156*	19*	1*	20*	0*	45.1*	0*	7*	0*	45.1*	0*	25.6*	0*

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PHYSICAL POTENTIAL FOR ADDITIONAL HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF OHIO

POTENTIAL INCREMENTAL CAPACITY RANGES													
	0-5 MW	5-15 MW	15 MW - 25 MW	GREATER THAN 25 MW	TOTAL								
EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	EXISTING HYDROPOWER DEVELOPMENT	
NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	
CAPACITY	CAPACITY	CAPACITY	CAPACITY	CAPACITY	CAPACITY	CAPACITY	CAPACITY	CAPACITY	CAPACITY	CAPACITY	CAPACITY	CAPACITY	
ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	
UNDEVELOPED POTENTIAL	UNDEVELOPED POTENTIAL	UNDEVELOPED POTENTIAL	UNDEVELOPED POTENTIAL	UNDEVELOPED POTENTIAL	UNDEVELOPED POTENTIAL	UNDEVELOPED POTENTIAL	UNDEVELOPED POTENTIAL	UNDEVELOPED POTENTIAL	UNDEVELOPED POTENTIAL	UNDEVELOPED POTENTIAL	UNDEVELOPED POTENTIAL	UNDEVELOPED POTENTIAL	
0-5	0	10	0	0	0	0	0	0	0	0	0	0	
5-15	0	30.6	0	0	0	0	0	0	0	0	0	0	
15-25	0	152	0	0	0	0	0	0	0	0	0	0	
25-35	0	11	0	0	0	0	0	0	0	0	0	0	
35-45	0	43.5	0	0	0	0	0	0	0	0	0	0	
45-55	0	95.4	0	0	0	0	0	0	0	0	0	0	
55-65	0	5	0	0	0	0	0	0	0	0	0	0	
65-75	0	24.0	0	0	0	0	0	0	0	0	0	0	
75-85	0	51.1	0	0	0	0	0	0	0	0	0	0	
85-95	0	2	0	0	0	0	0	0	0	0	0	0	
95-100	0	20.5	0	0	0	0	0	0	0	0	0	0	
TOTAL	0	28	0	0	0	0	0	0	0	0	0	0	
	0	119	0	0	0	0	0	0	0	0	0	0	
	0	345	0	0	0	0	0	0	0	0	0	0	

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

FM 2 ID NO	FM 1 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMP	ERC (SEQUENCE RANK)	ERC (SEQUENCE RANK)	ERC (SEQUENCE RANK)
										(D.M.M)	(D.M.M)	STATUS	HT	EXIST.CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMP	ERC (SEQUENCE RANK)	ERC (SEQUENCE RANK)	ERC (SEQUENCE RANK)
										(D.M.M)	(D.M.M)	STATUS	HT	EXIST.CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMP	ERC (SEQUENCE RANK)	ERC (SEQUENCE RANK)	ERC (SEQUENCE RANK)
						BUZZARD ROOST	ADAMS	BRUSH CREEK	38 35.9	83 35.9	18	462.0	93.0	0	1101	4995	0	6305.2	1262.1				
						PLEASANT HILL		CLEAR FORK	40 36.1	82 19.6	CRD		113.0	0	3179	0	263.56	42.570					1001
						WHITE OAK LAKE		WHITE OAK CREEK	38 47.9	83 54.9	PA	248.0	200.0	0	106	720	0	5005.7	6944.2				
						ACTON LAKE		FOUR MILE CREEK	39 33.3	84 44.1	R	102.0	45.0	0	7	67	0	40.335	600.10				
						BROWN RESERVOIR		BUCK CREEK	40 0.0	83 25.2	DP	82.0	72.0	0	99	825	0	55.431	67.117				2010
						EAST FORK LAKE		EAST FORK OF	38 57.2	84 5.1	CR	342.0	200.0	0	15000	25000	0	1039.7	41.590				1001
						COWAN LAKE		COWAN CREEK	39 23.2	83 55.5	R	51.0	61.0	0	0	0	0	35.826	13186				
						DEFANCE POWER DAM		AUGLAIZE RIVE	41 14.2	84 24.0	R	1690.0	40.0	0	4103	12545	0	431.18	34.368				2004
						ALUM CREEK		ALUM CREEK	40 10.6	82 57.3	CR	120.0	93.0	0	0	0	0	37.119	3697.3				2010









FM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.CAP.	ANUL.COST	ERC ECONOMIC
ACTV DEP	STATUS	MX.STOR.	INC.CAP.	INC.ENERGY	ENERGY COST	ERC NON-ECONOMIC
FILE	DR.AREA	AVE.G	TOT.CAP.	TOT.ENERGY	(1000 \$)	ERC COMPOSITE
STATUS	(D M.M)	(CFS)	(KW)	(MWH)	(9/HWH)	(SEQUENCE RANK)
*****	(D M.M)	(FT)	(KW)	(MWH)		(SEQUENCE RANK)
*****	(SQ.M)	(FT)	(KW)	(MWH)		(SEQUENCE RANK)
*****						
0HADRH0043	MUSKINGHAM RIVER	LOCK + DAM NO.6	39 42.7	R	0	445.49
2 DFC	OHIO		7611	OP	2000	37.124
0HADRH0044	MUSKINGHAM RIVER	LOCK + DAM NO.7	39 38.6	R	0	364.99
2 DFC	OHIO		7411	OP	1400	38.420
0HADRH0045	MUSKINGHAM RIVER	LOCK + DAM NO.8	39 44.0	R	0	458.64
2 DFC	OHIO		7248	OP	2100	41.695
0HCDRH0046	LICKING RIVER	WAKATONIKA CR	40 5.9	C	0	4571.3
2 DRC	OHIO		742	PA	61	74485
0HADRH0048	MUSKINGHAM RIVER	LOCK + DAM NO.9	39 52.2	R	0	625.50
2 DFC	OHIO		7019	OP	20495	30.519
0HADRH0049	MUSKINGHAM RIVER	LOCK + DAM NO.10	39 56.4	R	0	886.65
2 DRA	OHIO		6880	OP	34781	25.491
0HCDRH0050	DEER CREEK	DEER CREEK	39 37.3	CRD	0	40.512
2 DRC	OHIO		277	OP	81	496.27
0HCDRH0034	BERLIN LAKE	BERLIN LAKE	41 2.7	CRSD	0	373.34
2 DFC I	OHIO		249	OP	7400	50.451



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	OWNER	DR. AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	STATUS	MX. STOR.	AVE. Q	PHR. HD.	TOT. ENERGY	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	FILE	STATUS	(D M.M)	(D M.M)	(S0.MI)	(AC FT)	(CFS)	(FT)	(KW)	(KW)	(KW)	(AC FT)	(CFS)	(FT)	(MWH)	(MWH)	(1000 \$)	ERC COMPOSITE
																		(SEQUENCE RANK)
0H6ORH0055	SALT CREEK	SALT CREEK	VTNTO	39 30.0	82 37.0	39 30.0	C	96.0	0	0	0	0	0	0	0	0	5820.1	1001
0HU0087	SALT CREEK	SALT CREEK	VTNTO	39 30.0	82 37.0	39 30.0	PA	130000	966	966	0	0	0	0	0	0	1158.1	1001
5 DRC I				270	270	270		67.9	966	966	0	0	0	0	0	0	5025	1001
0HCORL0202	CAESAR CREEK LAKE	CAESAR CREEK LAKE	WARREN	39 27.4	83 58.4	39 27.4	CR	165.0	0	0	0	0	0	0	0	0	596.32	1001
0HU0927	WARREN	CAESAR CREEK	WARREN	39 27.4	83 58.4	39 27.4	OP	370000	6142	6142	0	0	0	0	0	0	39.491	1001
2 DFC	DAEN DRL	CAESAR CREEK	WARREN	237	237	237		135.9	6142	6142	0	0	0	0	0	0	15100	1001
0H6ORL0199	MORROW	LIT MIAMI RIV	MORROW	39 21.5	84 7.0	39 21.5		130.0	0	0	0	0	0	0	0	0	3495.6	1001
0HU0003	WARREN	LIT MIAMI RIV	WARREN	39 21.5	84 7.0	39 21.5		24000	8433	8433	0	0	0	0	0	0	117.53	1001
5 DRC				685	685	685		74.9	8433	8433	0	0	0	0	0	0	29741	1001
0H6ORL0198	TODD FORK	TODD FK LIT M	WARREN	39 20.7	84 4.7	39 20.7		128.0	0	0	0	0	0	0	0	0	4037.8	1001
0HU0002	WARREN	TODD FK LIT M	WARREN	39 20.7	84 4.7	39 20.7		95000	97	97	0	0	0	0	0	0	5421.9	1001
5 DRC				245	245	245		78.9	97	97	0	0	0	0	0	0	755	1001
0HADRH0056	LOCK + DAM NO.2	MUSKINGHAM RI	OHIO	39 28.2	81 29.5	39 28.2	R	19.0	0	0	0	0	0	0	0	0	445.49	1002
0HU0092	WASHINGTON	MUSKINGHAM RI	OHIO	39 28.2	81 29.5	39 28.2	OP	0	2000	2000	0	0	0	0	0	0	40.499	1002
2 DFC				8018	8018	8018		7.4	2000	2000	0	0	0	0	0	0	11000	1002
0HADRH0057	LOCK + DAM NO.3	MUSKINGHAM RI	OHIO	39 31.7	81 31.0	39 31.7	R	20.0	0	0	0	0	0	0	0	0	944.73	1002
0HU0093	WASHINGTON	MUSKINGHAM RI	OHIO	39 31.7	81 31.0	39 31.7	OP	0	6746	6746	0	0	0	0	0	0	29.329	1002
2 DRC				7985	7985	7985		12.4	6746	6746	0	0	0	0	0	0	32210	1002
0HADRH0058	LOCK + DAM NO.4	MUSKINGHAM RI	OHIO	39 33.1	81 38.7	39 33.1	R	16.0	0	0	0	0	0	0	0	0	658.60	1002
0HU0094	WASHINGTON	MUSKINGHAM RI	OHIO	39 33.1	81 38.7	39 33.1	OP	0	4000	4000	0	0	0	0	0	0	73.178	1002
2 DFC				7940	7940	7940		5.8	4000	4000	0	0	0	0	0	0	9000	1002
0HADRH0059	LOCK + DAM NO.5	MUSKINGHAM RI	OHIO	39 32.1	81 43.3	39 32.1	R	20.0	0	0	0	0	0	0	0	0	445.49	1002
0HU0095	WASHINGTON	MUSKINGHAM RI	OHIO	39 32.1	81 43.3	39 32.1	OP	0	2000	2000	0	0	0	0	0	0	40.499	1002
2 DFC				7744	7744	7744		7.5	2000	2000	0	0	0	0	0	0	11000	1002



PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF OKLAHOMA

POTENTIAL INCREMENTAL CAPACITY RANGES												
	0.05 MW	5 MW	10 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW
	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV
	TOTAL	INCR	TOTAL	INCR	TOTAL	INCR	TOTAL	INCR	TOTAL	INCR	TOTAL	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
0-19	0	0	0	0	0	0	0	0	0	0	0	0
20-49	0	7.3	0	5.5	0	12.9	0	12.9	0	25.7	0	25.7
50-99	0	17	0	16	0	23	0	23	0	56	0	56
>100	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	24.6	0	24.4	0	44.2	0	44.2	0	92.3	0	92.3

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPACITY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF OKLAHOMA

POTENTIAL INCREMENTAL CAPACITY RANGES															
	15 MW = 15 MW			15 MW = 25 MW			GREATER THAN 25 MW			TOTAL					
	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*
	INST*	POTEN*	INCR*	INST*	POTEN*	INCR*	INST*	POTEN*	INCR*	INST*	POTEN*	INCR*	INST*	POTEN*	INCR*
	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*
	NUMER*	CAPCTY*	ENERGY*	NUMER*	CAPCTY*	ENERGY*	NUMER*	CAPCTY*	ENERGY*	NUMER*	CAPCTY*	ENERGY*	NUMER*	CAPCTY*	ENERGY*
0-19	0*	0.0*	0.0*	0*	0.0*	0.0*	1*	0*	0*	0*	0.0*	0.0*	0*	0*	0*
20-49	4*	25.6*	55.9*	0*	0.0*	0.0*	2*	1*	0*	1*	0.0*	0.0*	2*	5*	0*
50-99	3*	18.4*	36.1*	0*	0.0*	0.0*	4*	2*	0*	4*	0*	0*	4*	5*	1*
>100	0*	0.0*	0.0*	0*	0.0*	0.0*	305*	31.3*	99.6*	0*	0.0*	0.0*	305*	49.6*	5.7*
TOTAL	7*	44.1*	92.1*	0*	0.0*	0.0*	769*	73.3*	235.0*	1*	0.0*	0.0*	769*	136*	12.4*

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)



PM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	ANUL. COST	ERC ECONOMIC	
PM 1 ID NO	PRIMARY CD.	NAME OF STREAM	DR. AREA	STATUS	MXSTOR.	PHR. HD.	AVE. G	PHR. HD.	EXIST. ENRG	
ACTV DEP	OWNER	(D M.W)	(C M.W)	(AC FT)	(AC FT)	(KWH)	(KWH)	(KWH)	INC. ENRG	
CODE		(SQ.MI)	(CFS)	(FT)	(KWH)	(KWH)	(KWH)	(KWH)	TOT. ENRG	
FILE									(1000 \$)	
STATUS									(\$/MWH)	
									(SEQUENCE RANK)	
									(SEQUENCE RANK)	
DK6SMT0264	CHEWEY LAKE	34 6.9	177.0	CHSR	177.0	0	0	0	8624.7	
DKU0051	ADATR	94 46.0	1083000	IS	1083000	4627	11433	754.35		
5 SCP I	DAEN SHT	816	34.9	-829.5	34.9	4627	11433			
DK0SMT0267	LAKE FRANCES	36 7.6	46.0	S	46.0	0	0	359.7	1039	
DK00073	ADATR	94 33.8	32150	DP	32150	4669	9671	37.126		1037
2 DRC I	CITY OF SILDAM SPRINGS	635	34.5	-643.3	34.5	4669	9671			
DK6SMT0270	GREAT SALT PLAINS LAKE	36 45.0	68.0	CO	68.0	0	0	36.300		
DK10319	ALFALFA	98 8.6	998400	DP	998400	0	3	11256		
5 SCP I	DAEN SHT	3200	22.4	-362.5	22.4	0	3			
DKCSMT0275	ATOKA	34 25.2	103.0	SR	103.0	0	0	36.58		
DK00112	ATOKA	96 3.0	430700	DP	430700	0	1	19194		
5 SCP I	OKLAHOMA CITY	176	70.4	-184.0	70.4	0	1			
DK6SMT0273	MCGEE CREEK	34 19.9	151.0	S	151.0	0	0	3344.4		
DKU0729	ATOKA	95 52.7	277200	PA	277200	0	0	4614161		
5 DRC I	BUREC	178	94.9	-155.6	94.9	0	0			
DK6SMT0272	PARKER LAKE	34 45.0	99.0	C80	99.0	0	0	4427.3		
DKU0155	ATOKA	96 16.9	1968000	IS	1968000	0	0	12338623		
5 SCP I	DAEN SHT	172	56.9	-150.3	56.9	0	0			
DK6SMT0277	ENGLEWOOD RESERVOIR	36 56.4	160.0	ICR	160.0	0	0	12650		
DKU0797	BEAVER	100 2.4	160000	IS	160000	783	2036	6210.8		
5 SCP I	BUREC	10044	80.9	-135.2	80.9	783	2036			
DK6SMT0278	BRIDGEPORT RESERVOIR	35 32.9	200.0	SIC	200.0	0	0	49757		
DKU0030	BLATNE	98 22.9	2175000	IS	2175000	3315	7699	6462.3		
5 SCP D	DAEN SET	17268	167.6	415.0	167.6	3315	7699			
DKCSMT0279	CANTON LAKE	36 5.1	68.0	C81	68.0	0	0	35.543		
DK10316	BLATNE	98 35.9	445100	CP	445100	0	0	78492		
5 DRC I	DAEN SHT	7600	21.1	-120.8	21.1	0	0			

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER			DR AREA	MX. STOR.	MX. STOR.	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
CODE				(D M.M)	(D M.M)	AVE. Q	(FT)	(KW)	(MHH)	(1000 \$)	ERC COMPOSITE
FILE				(90. MI)	(AC FT)	(CFS)	(AC FT)	(KW)	(MHH)	(\$/MHH)	(SEQUENCE RANK)
STATUS				(90. MI)	(FT)	(CFS)	(FT)	(KW)	(MHH)		(SEQUENCE RANK)
OK6SMT4473	HYDRD	BLAYNE	CANADLAN R	35 34.1	98 30.0	S	107.0	0	0	7603.3	
DKU0707	BLAYNE			98 30.0	SA	783429	107.0	1	6	1169081	
5 DRC D	BUREC			24187		-435.8	79.9	1	6		
OK6SMT4454	ALRANY			33 51.1			75.0	0	0	6553.0	
DKU0688	BRYAN		ISLAND BAYDU	96 9.8		SA	212000	4	14	452347	
5 DRC D	BUREC			132		-90.2	51.9	4	14		
OKISMT0281	DENTSON DAM			33 49.9			165.0	70000	203341	1214.1	0.
DK10317	BRYAN		RED RIVER	96 33.9		CSHND	930000	21809	9760	124.39	0.
2 SCP I	DAEN SWT			39719		NP	108.8	91809	213101		0.
OK6SMT4464	DURANT			33 54.8			105.0	0	0	12459	
DKU0698	BRYAN		BLUE RIVER	96 3.4		SA	904000	108	484	25712	
5 DRC D	BUREC			649		-443.9	72.9	108	484		
OK6SMT0280	SANDY CREEK LAKE			34 8.0			79.0	0	0	3689.8	
DKU0179	BRYAN		BLUE RIVER	96 24.0		SI	93000	507	1904	1937.2	
5 SCP I	DAEN			318		-217.3	43.9	507	1904		
OK6SMT4488	UNION			35 21.7			104.0	0	0	13422	
DKU0722	CANADIAN		CANADIAN RIVER	97 59.6		SA	1232000	1	4	2888973	
5 DRC D	BUREC			24837		-447.3	70.9	1	4		
OK6SMT0289	UNION-ALTERNATE			35 23.4			123.0	0	0	25821	
DKU0213	CANADIAN		S. CANADIAN	98 1.9		SA	2570000	1	2	9288839	
5 SCP D	BUR REC			17909		415.0	97.6	1	2		
OK6SMT0292	DRUGHTERY LAKE			34 21.9			125.0	0	0	8501.6	
DKU0073	CARTER		WASHITA RIVER	97 7.5		SI	0	20545	48430	175.54	
5 SCP I	DAEN			6615		-1330.8	99.9	20545	48430		
OK6SMT0401	CHELSEA			36 29.4			68.0	0	0	2932.1	
DKU0050	CHELDKEE		PRYOR CREEK	95 24.0		IS	62500	0	0	29363144	
5 SCP I	DAEN SWT			98		-64.6	21.9	0	0		

FM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	OWNER	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENERGY	INC. ENERGY	TOT. ENERGY	ENERGY COST	MANUL. COST	ERC ECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)	(SEQUENCE RANK)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
DK6SMT4465				ELDON	BAR FORK CR	BAR FORK CR	ELDON	35 55.0	S	120.0	0	2114	4975	0	4975	5465.6	1098.4				
5	DRC	D		BUREC			BUREC	307	SA	285000	2114	4975	0	4975	1098.4						
DK6SMT4974				TAHLEQUAH LAKE				35 59.4	C	206.0	0	46887	0	0	4797.8	0	0				
2	DRC	I		CHEROKEE	ILLINOIS RIVER	ILLINOIS RIVER	CHEROKEE	94 53.7	SI	180000	46887	0	81814	0	81814	58.643	0				0.
2	SCP	I		TENKILLER FERRY LAKE				35 35.9	CH	197.0	34000	0	101039	0	101039	0	0				0.
2	SCP	I		CHEROKEE	ILLINOIS RIVER	ILLINOIS RIVER	CHEROKEE	95 1.9	DP	1342660	0	0	0	0	0	0	0				0.
2	SCP	I		DAEN SWT				1610		145.7	34000	0	101039	0	101039	0	0				0.
DK6SMT0303				BOSWELL RESERVOIR				34 1.9	CRD	95.0	0	0	0	0	0	17591					
5	DRC	I		CHOCTAW	MUDDY BOGGY C	MUDDY BOGGY C	CHOCTAW	95 45.0	SI	1285000	10098	0	16619	0	16619	1056.4					
5	DRC	I		DAEN SWT				2273		30.9	10098	0	16619	0	16619	1056.4					
DK6SMT0305				HUGO LAKE				34 0.9	CRD	101.0	0	0	0	0	0	428.56					1021
2	SCP	I		CHOCTAW	KIAMICHI RIVER	KIAMICHI RIVER	CHOCTAW	95 23.6	DP	1249800	5531	0	15895	0	15895	26.962					1021
2	SCP	I		DAEN SWT				1709		30.6	5531	0	15895	0	15895	26.962					1027
DK6SMT0311				TUPELO LAKE				34 30.0	CRD	93.0	0	0	0	0	0	7266.6					
5	SCP	I		COAL	CLEAR BOGGY C	CLEAR BOGGY C	COAL	96 21.4	IS	805000	13	0	71	0	71	101383					
5	SCP	I		DAEN SWT				380		60.9	13	0	71	0	71	101383					
DK6SMT0319				ELLSWORTH				34 47.7	S	96.0	0	0	0	0	0	38.333					
5	SCP	I		COMANCHE	CACHE CREEK	CACHE CREEK	COMANCHE	98 22.0	DP	211900	4	0	9	0	9	4068.7					
5	SCP	I		CITY OF LAWTON				249		68.9	4	0	9	0	9	4068.7					
DK6SMT4460				COOKIETOWN				34 16.7	IS	91.0	0	0	0	0	0	7509.9					
5	DRC	D		COTTON	DEEP RED RUN	DEEP RED RUN	COTTON	98 32.3	SA	448940	0	0	0	0	0	1652325					
5	DRC	D		BUREC				544		60.9	0	0	0	0	0	1652325					
DK6SMT4487				TEMPLE				34 12.2	S	89.0	0	0	0	0	0	14154					
5	DRC	D		COTTON	CACHE CREEK	CACHE CREEK	COTTON	98 18.2	SA	1008700	0	0	0	0	0	21097983					
5	DRC	D		BUREC				1876		65.9	0	0	0	0	0	21097983					







FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANNU.	COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	MX. STOR.	STATUS	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRGY	ENERGY COST	ERC NON-ECONOMIC	
FILE	DR. AREA	(D M.M)	(AC FT)	(KW)	(CFS)	(FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE	
STATUS	(SQ.MI)	(80.MI)	(AC FT)	(KW)	(CFS)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)	
OKCSWT0417	PINE CREEK LAKE	MCCURTAIN	LITTLE RIVER	34 26.4	95 4.8	OP	988210	11248	0	592.45	1027
2	DRC I	DAEN SMT		635			52.9	11248	20408	29.29	1027
OK6SMT0412	SHERWOOD LAKE	MCCURTAIN	MOUNTAIN FORK	34 23.0	94 42.5	IS	1933400	15782	0	12275	
5	SCP I	DAEN		192			155.8	15782	19853	618.30	
OKTSWT0419	EUFULA LAKE	MCINTOSH	CANADIAN RIVE	35 18.5	95 21.7	OP	500000	90000	0	0	
5	SCP I	DAEN SMT		47522			82.9	90000	194630	0	
OK6SMT0425	ARRICKLE 108	MURRAY	ROCK CREEK	34 25.6	97 1.5	OP	232000	0	0	3308.2	
5	DRC I	USA		126			80.9	2	15	218499	
OK6SMT4325	TAFT RESERVOIR	MUSKOGEE	ARKANSAS RIVE	35 46.9	95 33.9	SI	112500	41019	0	10089	
5	DRC D	DAEN SMT		75810			36.6	41019	174645	57.773	
OK6SMT4283	WERRERS FALLS LOCK + DAM	MUSKOGEE	ARKANSAS RIVE	35 34.9	95 9.9	OP	760000	60000	0	0	
5	DRC D	DAEN SMT		97033			28.4	60000	209890	0	
OK6SMT0427	BLACK BEAR LAKE	NOBIE	BLACK BEAR CR	36 20.9	97 22.0	IS	264993	0	0	4309.3	
5	DRC I	DAEN SMT		237			54.9	0	1	3765356	
OK6SMT4326	WELFETKA RESERVOIR	OKFUSKEE	N. CANADIAN R	35 39.0	96 11.0	SI	410000	2428	0	7201.3	
5	SCP D	DAEN=SMT		7180			84.5	2428	6106	1179.3	
OK6SMT0430	WELTY RESERVOIR	OKFUSKEE	DEEP FORK CAN	35 38.0	96 23.5	IS	670000	0	0	7227.9	
5	SCP D	DAEN=SMT		1485			33.3	2156	5156	1401.6	

FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	DR AREA	LATITUDE	LONGITUDE	PROJ. PURP.	STATUS	AVE. Q	PR. HD.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	INC. ENRGY	ANNUAL COST	ERC ECONOMIC	
					OWNER		(D.M.M)	(D.M.M)	(S.M.I)	(CFS)	(FT)	(AC FT)	(KW)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(\$/MWH)	(1000 \$)	(SEQUENCE RANK)
OKDSMT0436					LAMP OVERHOLSER	OKLAHOMA	35 29.0	97 39.9	8338	SR	61.7	25000	0	0	0	0	0	0	0	0	0
OK02537					NORTH CANADIA	OKLAHOMA CITY				OP	25000	0	0	0	0	0	0	0	0	0	0
S DRA I											-142.5	-36.9									
OK6SMT0438					NIYAKA RESERVOIR		35 42.0			S		77.0			0	0	0	0	0	0	0
OKU0146					DEEP FK. CANA		96 7.0			SI	1067000				0	0	0	0	0	0	0
S DRA D											-772.0	-56.9									
OK6SMT0439					DKMULGEE RESERVOIR		35 39.0			CSRDH	83.0				0	0	0	0	14820		
OKU0149					DEEP FK RIVER		96 1.9			SI	1868000				9581	13390	13390		1106.8		
S SCP D											-921.1	51.5			9581	13390	13390				
OK6SMT0443					AVANT RESERVOIR		36 29.4			CSI	69.0				0	0	0	0	2976.9		
OKU0009					OSAGE		96 5.5			SI	188200				0	0	0	0	6923179		
S SCP I											-203.8	25.1			0	0	0	0			
OK6SMT0445					CANDY RESERVOIR		36 30.0			CSR	103.0				0	0	0	0	3208.7		
OKU0040					OSAGE		96 1.9			DM	133200				0	0	0	0	6674609		
S SCP I											-47.9	64.4			0	0	0	0			
OKCSMT0458					HULAH LAKE		35 55.6			CSN	94.0				0	0	0	0	36.135		
OKI0312					OSAGE		96 22.9			DP	383700				0	0	3	3	11039		
S SCP I											-392.3	29.2			0	0	3	3			
OKCSMT0460					KAN RESERVOIR		36 42.0			CSRD	125.0				0	0	0	0	1247.5		
OK20509					OSAGE		96 55.5			DP	1638000				15227	53553	53553		23.295		1018
S SCP I											-2019.6	71.9			15227	53553	53553				1024
OKISMT0457					KEYSTONE LAKE		36 9.0			CSNRD	121.0				70000	194677	194677		0		
OKI0309					OSAGE		96 14.6			DP	2593000				0	0	0	0	0		
S SCP I											-6869.5	67.6			70000	194677	194677		0		
OK6SMT0448					SAND RESERVOIR		36 44.0			CSRD	114.0				0	0	0	0	3224.9		
OKU0178					OSAGE		96 9.0			SI	165000				0	0	0	0	4142888		
S DRC I											-81.7	57.9			0	0	0	0			



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	OWNER	DR. AREA	DR. AREA	MX. STOR.	INC. CAP.	INC. ENRGY	ENERGY COST	ERC COMPOSITE		
ACTV DEP	FILE CODE	(D M.M)	(D M.M)	(AC FT)	(KW)	(MMH)	(1000 \$)	(SEQUENCE RANK)		
STATUS		(SQ MI)	(FT)	(MW)	(MMH)	(MMH)	(\$/MMH)	(SEQUENCE RANK)		
OKCSWT0451	SKIATOOK RESERVOIR	36 20.9	89.0	143.0	0	0	0	0		
OSAGE	HOMINY CREEK	96 5.9	UC	893000	0	1	0	0		
DAEN SMT		354	-204.0	103.0	0	1	0	0		
OKCSWT4492	LELA	36 20.5	S	81.0	0	0	4475.5	0		
PAWNEE	BLACK BEAR CR	96 50.5	8A	181000	0	0	6178516	0		
UNKNOWN		545	-185.2	57.9	0	0	0	0		
OKCSWT0475	ANTLERS LAKE	34 18.9	HC	95.0	0	0	5138.3	0		
PUSHMATAHA	KIAMICHI RIVE	95 29.5	18	14906	14906	30693	167.40	30693		
DAEN		1418	-1741.3	53.9	14906	30693	0	0		
OKCSWT0482	CLAYTON LAKE	34 37.8	CSR	101.0	0	0	36.138	0		
PUSHMATAHA	JACKFORK CREEK	95 20.4	UC	792100	0	2	12381	2		
DAEN SMT		275	-335.0	65.9	0	2	0	0		
OKCSWT0478	FINLEY LAKE	34 15.0	HC	101.0	0	0	2956.2	0		
PUSHMATAHA	CEDAR CREEK	95 33.9	SI	99000	0	1	1936107	1		
DAEN		172	-209.3	33.4	0	1	0	0		
OKCSWT0479	KELIMOND LAKE	34 18.5	CSR	91.0	0	0	2882.2	0		
PUSHMATAHA	TENNILE CREEK	95 38.5	SI	59000	0	0	3281984	0		
DAEN		103	-115.9	27.9	0	0	0	0		
OKCSWT0480	TUSKADOMA RESERVOIR	34 38.0	CSR	96.0	0	0	7188.2	0		
PUSHMATAHA	KIAMICHI RIVE	95 7.0	SI	800000	5742	12464	576.70	12464	2038	2037
DAEN SMT		347	-751.8	51.9	5742	12464	0	0	2038	2037
OKCSWT0481	UPPER ANTLERS LAKE	34 18.5	CSR	175.0	0	0	26118	0		
PUSHMATAHA	KIAMICHI RIVE	95 37.9	SI	5095000	92	127	204183	127		
DAEN		152	-185.2	150.2	92	127	0	0		
OKCSWT0486	ONLOGAH LAKE	36 25.6	CSNRO	137.0	0	0	1220.7	0		
ROGERS	VERDIGRIS RIV	95 41.0	OP	2842500	16158	46138	26.459	46138	1023	1023
DAEN SMT		439	-2809.4	78.9	16158	46138	0	0	1023	1023

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANNUAL	COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	DR. AREA	DR. AREA	DR. AREA	STATUS	AVG. G	AVG. G	AVG. G	AVG. G	AVG. G
CODE	FILE	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(CFS)	(AC FT)	(AC FT)	(AC FT)	(AC FT)	(AC FT)
STATUS		(SQ.MI)	(SQ.MI)	(SQ.MI)	(SQ.MI)		(FT)	(FT)	(FT)	(FT)	(FT)
OKGSM74280	ROBERT S KERR LOCK AND DAM	35 20.8	94 46.2	35 20.8	94 46.2	NHRD	83.0	110000	396647	1940.0	0.
2	OK10301	SEQUOYAH	ARKANSAS RIVER	94 46.2	1735000	OP	1735000	25842	32673	59.378	0.
2	DRC D	DAEN SWT		147756	40.9		40.9	138642	429321		
OKCSWT0510	OPTIMA RESERVOIR	36 40.0	101 7.0	36 40.0	101 7.0	CSRD	120.0	0	0	35.401	
OK20510	TEXAS	101 7.0	5029	101 7.0	5029	OP	618500	0	0	187212	
5	5CP I	DAEN SWT		5029			63.1	0	0		
OKASWT4282	CHOUTEAU LOCK + DAM	35 51.9	95 21.7	35 51.9	95 21.7	NRO	50.5	0	0	36.993	
OK10303	WAGNER	95 21.7	8270	95 21.7	8270	OP	1000	1	0	0	
5	DRC D	DAEN SWT		8270			17.6	1	0		
OKISWT0513	FORT GIBSON LAKE	35 51.9	12492	35 51.9	12492	CH	110.0	45000	187774	597.57	0.
OK10314	WAGNER	95 13.9	8030	95 13.9	8030	OP	1284000	5232	10471	57.64	0.
2	DRC I	DAEN SWT		8030			61.5	50232	198245		
OKASWT4281	NRWT GRAHAM LOCK + DAM	36 3.9	95 32.7	36 3.9	95 32.7	NRO	47.0	0	0	37.77	
OK10302	WAGNER	95 32.7	8030	95 32.7	8030	OP	1000	1	0	0	
5	DRC D	DAEN SWT		8030			16.7	1	0		
OKCSWT0514	COPAN RESERVOIR	36 53.0	95 56.9	36 53.0	95 56.9	CSRD	70.0	0	0	35.594	
OKU0062	WASHINGTON	95 56.9	505	95 56.9	505	UC	338500	0	0	42539	
5	5CP I	DAEN SWT		505			24.8	0	0		
OK6SMT4477	MOUNTAIN VIEW	35 7.3	98 45.0	35 7.3	98 45.0	SI	84.0	0	0	6462.1	
OKU0711	WASHITA	98 45.0	2635	98 45.0	2635	SA	34000	1754	3304	1955.3	
5	DRC D	BUREC		2635			56.9	1754	3304		
OK6SMT4455	ALVA	36 55.6	98 41.8	36 55.6	98 41.8	IS	114.0	0	0	8582.4	
OKU0689	WOODS	98 41.8	957	98 41.8	957	SA	595700	0	1	8195409	
5	DRC D	BUREC		957			80.9	0	1		

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF OREGON

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW - 5 MW			5 MW - 10 MW			10 MW - 15 MW			.05 MW - 15 MW		
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
	INST	POTEN	INCR	INST	POTEN	INCR	INST	POTEN	INCR	INST	POTEN	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY	NUMBER	CAPCTY	ENERGY
0-19	5	0	0	0	0	0	1	0	0	0	0	0
	2.9	0	0	7.1	0	0	0	0	0	0	0	0
	15	0	0	31	0	0	0	0	0	0	0	0
20-49	4	2	1	3	0	0	1	1	1	1	5	4
	7.6	5.6	4.6	10.2	0	0	5.3	13.9	11.3	0	21.5	22.2
	36	13	21	35	0	0	23	30	50	0	66	87
50-99	4	6	1	7	1	0	1	2	0	1	7	7
	1.6	14.5	2.2	16.7	8.0	0	5.9	23.5	0	10.0	33.1	20.4
	11	68	9	77	70	0	26	155	0	46	236	94
>100	6	1	7	8	2	3	11	2	6	4	10	10
	9.8	4.0	23.2	27.2	13.2	22.9	82.4	22.0	71.3	49.0	120.3	45.0
	60	26	104	130	98	146	488	134	193	215	408	292
TOTAL	19	9	9	18	3	6	14	5	7	5	12	27
	21.9	24.1	30.0	54.1	21.2	41.2	59.4	59.4	82.6	59.0	141.6	102.5
	122	108	134	242	168	226	567	319	244	261	504	609

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 COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)  
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L E G E N D

... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF OREGON

POTENTIAL INCREMENTAL CAPACITY RANGES

SITE	POTENTIAL INCREMENTAL CAPACITY RANGES										
	0-5 MW	5-10 MW	10-15 MW	15-20 MW	20-25 MW	25-30 MW	30-35 MW	35-40 MW	40-45 MW	45-50 MW	TOTAL
0-19	5	1	0	0	0	0	0	0	0	0	6
*NUMBER*	5	1	0	0	0	0	0	0	0	0	6
*CAPACITY*	2.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.3
*ENERGY*	15.4	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95.4
20-49	5	4	1	2	1	3	0	0	0	0	6
*NUMBER*	5	4	1	2	1	3	0	0	0	0	6
*CAPACITY*	21.5	22.2	4.5	30.0	22.8	52.8	0.0	0.0	0.0	0.0	36.5
*ENERGY*	65.5	67.0	21.2	98.6	165	263	0.0	0.0	0.0	0.0	146
50-99	7	7	2	2	3	3	2	0	2	12	11
*NUMBER*	7	7	2	2	3	3	2	0	2	12	11
*CAPACITY*	33.0	20.3	12.1	38.0	19.2	57.2	1639	0.0	1639	3375	1697
*ENERGY*	236	93.6	55.4	121	79.9	201	19459	0.0	2168	19899	2383
>100	10	10	19	5	7	15	19	8	24	34	25
*NUMBER*	10	10	19	5	7	15	19	8	24	34	25
*CAPACITY*	44.9	98.2	132	90.0	134	293	3367	1043	1533	2577	3502
*ENERGY*	292	365	660	477	364	1336	16425	766	3757	4523	17194
TOTAL	27	22	22	9	11	21	22	10	16	26	58
*NUMBER*	27	22	22	9	11	21	22	10	16	26	58
*CAPACITY*	103	148	148	157	202	403	6673	2682	1533	4236	58
*ENERGY*	609	577	737	1314	841	1600	35884	2934	3757	6691	43

\*\*\*\*\*  
 COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)  
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L E G E N D



FM 2 ID NO	PROJECT NAME	PRJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG MANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	STATUS	MX. STDR.	INC. CAP.	INC. ENRGY ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	AVE. Q	*PWR. MD.	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
CODE	DR. AREA	(CFS)	(FT)	(KW)	(MWH)	(1000 \$)
FILE	(D.M.M)	(AC FT)	(KW)	(MWH)	(MWH)	(\$/MWH)
STATUS	(SQ.MI)	(FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
ORCNPW0406	MASON DAM	ICRD	185.0	0	0	58.876
OR00577	BAKER	NP	10000	671	2991	19.681
5 DRC I	POWDER RIVER	NP	104.8	671	2991	
ORSNPW0389	NEW BRIDGE	H	10.0	0	0	728.71
ORU0041	BAKER	IS	90	2111	8494	85.783
5 DRC I			519.4	2111	8494	
ORSNPW0391	RICHLAND	H	10.0	0	0	747.30
ORU0043	BAKER	IS	90	997	5728	130.46
5 DRC E			222.7	997	5728	
ORHNPW0388	ROCK CREEK	H	10.0	900	4900	0
ORU0023	BAKER	DP	5	0	0	0
5 DFC I	CAL PAC UTIL CC		936.0	900	4900	
OR7NPW0393	SALT CREEK	H	300.0	0	0	4668.5
ORU0045	BAKER	IS	46300	784	2585	1809.5
5 DRC I			339.6	784	2585	
ORCNPW0408	THIEF VALLEY DAM	I	73.0	0	0	99.559
OR00592	BAKER	DP	2600	1397	3353	29.690
2 DRC I	POWDER RIVER		55.9	1397	3353	
ORCNPW0407	UNITY DAM	IR	83.0	0	0	5.5658
OR00593	BAKER	DP	29300	0	4	1279.8
5 DRC I	BURNT RIVER		60.9	0	4	
ORSNPW0399	WILD HORSE RAPIDS	H	10.0	0	0	1362.3
ORU0051	BAKER	IS	90	5398	2854	47.542
2 DRC I	PINE CREEK		834.1	5398	2854	
OR6NPP0005	NOON	H	195.0	0	0	2716.6
ORU00677	BENTON	IS	10200	3377	13936	194.92
5 DRC I	MARYS RIVER		199.8	3377	13936	

FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	
					NAME OF STREAM	DR. AREA	(D.M.M.)	(D.M.M.)	(S.D.M.)	(CFS)	(AC FT)	(KW)	(KW)	(MWH)	(MWH)	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)				
DR7NPP2785	DRU0885	5	DFC D		PEAK CREEK	SOUTH FORK AL	44 20.9	123 34.6	30	IS	225.0	7900	34500	0	3460.3	100.29							
DR7NPP0006	DRU0706	5	DFC D		TUM TUM RIVER	TUM TUM	44 35.1	123 31.1	35	IS	96.0	0	9600	0	1564.0	162.92							
DR4NPP0003	DRU0412	5	DFC I		CROOKED CREEK	UDP DRU0412	44 26.0	123 33.0	14	IR	112.0	0	5804	0	1449.2	249.70							
DR6NPP2766	DRU0919	5	DFC I		MARYS RIVER		44 34.7	123 26.4	78	IS	50000	4937	19732	0	2104.6	106.65							
DR4NPP0042	DRU0518	5	DFC I		MOLALLA RIVER	BEE RANCH	44 46.9	122 26.0	72	IS	106.0	0	26100	0	2353.0	90.155							
DR6NPP0012	DRU0147	5	DFC I		BLAZED ALDER CREEK	BLAZED ALDER	45 27.0	122 54.0	8	S	160.0	0	6400	0	1831.7	286.21							
DR6NPP0057	DR00317	2	DFC I		BULL RUN DAM NUMBER 2	BULL RUN RIVE	45 26.8	122 8.7	102	S DP	135.0	0	46000	0	1005.8	21.865							
DR6NPP0013	DRU0156	6	DFC D		CLACKAMAS	CLACKAMAS RIV	45 23.4	122 28.9	906	IS	230.0	0	503300	0	11879	23.602							
DR7NPP0049	DRU0639	6	DFC D		CLIFF	CLACKAMAS RIV	45 12.0	122 13.4	625	H	360.0	0	435920	0	7743.6	17.783							





FM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	STATUS	MX. STOR.	INC. CAP.	INC. ENERGY	ERC NONECONOMIC
ACTV DEP	OWNER	AVE. Q	PRR. HD.	TOT. ENERGY	(1000 B)	(SEQUENCE RANK)
CODE	DR. AREA	(CFS)	(AC FT)	(MWH)	(9/HWH)	(SEQUENCE RANK)
FILE	(D M.M)	(FT)	(KW)	(MWH)		
STATUS	(D M.M)	(FT)	(KW)	(MWH)		
DR6NPP0021	GLEN AVON	H	205.0	0	5764.6	
DRU0192	CLACKAMAS	IS	77000	21937	56.249	
5 DRC D	MOLALLA RIVER	IS	1040.0	21357	102484	
			188		102484	
DR5NPP0050	HENRY CREEK	H	20.0	0	945.27	
ORU0657	CLACKAMAS	IS	100	4066	36.423	
5 DRC D	ZIGZAG RIVER	IS	80.0	4066	25952	
			14		25952	
DRGNPP0056	LAKE OSWEGO CORP HYDRO	H	26.0	400	382.15	
OR00237	CLACKAMAS	OP	7000	5850	14.927	
6 DFC I	LAKE OSWEGO CORPORATION	IS	1480.0	6250	27300	
			11200			
DRJNPP0059	LAKE ROSLYN DAM (BULL RUN)	H	45.0	21000	0	
OR00543	CLACKAMAS	OP	2011	0	0	
5 DFC D	PORTLAND GENERAL ELECTRIC	IS	1490.0	21000	141000	
			285		141000	
DR7NPP0024	LITNEY	H	160.0	0	2659.4	
ORU0202	CLACKAMAS	IS	20000	18600	21.457	
6 DFC I	SALMON RIVER	IS	819.1	18600	124000	
			53		124000	
DR6NPP2742	LOWER AUSTIN POINT	C	460.0	0	12697	
ORU0862	CLACKAMAS	IS	55000	103400	28.14	
2 DFC E	CLACKAMAS RIV	IS	1479.0	103400	452900	
			314		452900	
DR4NPP0010	LOWER CLACKAMAS	H	26.0	0	9371.9	
ORU0114	CLACKAMAS	IS	180	72000	26.399	
6 DFC D	CLACKAMAS RIV	IS	3200.0	72000	330000	
			842		330000	
DR7NPP0009	LOWER CLACKAMAS/CLEAR CREEK	H	115.0	0	8055.7	
ORU0109	CLACKAMAS	IS	60000	95000	16.392	
6 DFC I	CLACKAMAS RIV	IS	2000.0	95000	436000	
			671		436000	
DR5NPP0025	MARMOT	H	40.0	0	4378.2	
ORU0207	CLACKAMAS	IS	680	34981	17.15	
6 DRC I	SANDY RIVER	IS	1092.0	34981	257303	
			262		257303	

FM 2 ID NO	PROJECT NAME	STATUS	DAM HT	EXIST.CAP.	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	NAME OF STREAM	LATITUDE	PROJ.PURP.	EXIST.ENERG	INC.ENERG
ACTV DEP	OWNER	DR AREA	LONGITUDE	MX.STOR.	INC.CAP.	ERC NONECONOMIC
CODE	FILE	(D M.M)	(FT)	AVE. Q	TOT.CAP.	ERC COMPOSITE
STATUS	(80.MI)	(AC FT)	(CFS)	(KW)	(MWH)	(SEQUENCE RANK)
ORINP0062	NORTH FORK DAM	45 14.4	150.0	38400	199452	907.83
OR00550	CLACKAMAS	122 16.9	21000	13916	19608	46.299
5 DRC I	PORTLAND GENERAL ELECT	665	2675.0	52316	219060	
OR6NPP0027	NORTH FORK	45 4.9	380.0	0	0	11017
ORU0217	CLACKAMAS	122 28.9	338000	48000	167000	65.974
2 DFC E		191	289.7	48000	167000	
OR5NPP0052	NOWHERE MEADOWS (DIVERSION)	45 6.5	40.0	0	0	3449.7
ORU0681	CLACKAMAS	122 3.9	1000	21776	162426	21.238
6 DRC E		306	359.6	21776	162426	
OR6NPP0051	NOWHERE MEADOWS (RESERVOIR)	45 4.9	245.0	0	0	7681.9
ORU0680	CLACKAMAS	122 4.0	171500	109400	479300	16.27
6 DFC D		466	219.7	109400	479300	
OR5NPP0053	OLD MAID FLAT	45 22.4	50.0	0	0	1251.9
ORU0683	CLACKAMAS	122 53.5	270	3060	19533	64.89
5 DRC D		14	699.3	3060	19533	
OR6NPP0011	PELKEY	45 0.0	375.0	0	0	7883.1
ORU0134	CLACKAMAS	122 28.9	245000	81751	98039	80.408
2 DRC E		93	299.7	81751	98039	
OR6NPP0040	PINE CREEK	45 0.5	295.0	0	0	6606.2
ORU0438	CLACKAMAS	122 28.9	132000	21101	67452	97.939
5 DRC D		97	229.7	21101	67452	
ORINP0064	RIVER HILL DAM	45 17.9	85.0	19050	104500	467.23
OR00552	CLACKAMAS	122 21.2	12200	4000	21600	21.631
2 DFC I	PORTLAND GENERAL ELECT	671	73.2	23050	126100	
OR5NPP0037	SHELLROCK (HIGH ROCK)	45 4.9	25.0	0	0	1700.3
ORU0389	CLACKAMAS	121 51.3	200	6756	59123	28.759
2 DRC E	OAK GROVE FOR	69	165.0	6756	59123	

FM 2 ID NO	FM 1 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	EXIST. ENRG	ANUL. COST	ERC NONECONOMIC	TOT. ENRG	(1000 \$)	(S/HHH)	(SEQUENCE RANK)	TOT. ENRG	(MMH)	(1000 \$)	(S/HHH)	(SEQUENCE RANK)
OR6NPP0041	ORU0443	6	DRC	E		CLACKAMAS RIV	CLACKAMAS		122 12.5	581	H	10.0	25581	25581	0	3793.5		177189	177189	0	21.409				177189	0	3793.5		177189
OR6NPP0007	ORP0007	5	DRC	I		WILLAMETTE RIV	SULLIVAN		45 21.9		H	30.0	15400	15400	0	68389	0	68389	0	0	0				68389	0	68389	0	68389
OR6NPP2793	ORU0902	6	DRC	D		SWIMMING HOLE-SANDY BRANCH	CLACKAMAS		45 27.0		H	90.0	17554	17554	0	3225.2		82406	82406	0	39.138				82406	0	3225.2		82406
OR6NPP0055	ORU0702	5	DRC	D		MOLALLA RIVER	CLACKAMAS		45 0.9	93	H	450.0	121263	121263	0	11168		145940	145940	0	76.527				145940	0	11168		145940
OR6NPP0061	ORU0545	2	DRC	I		TIMOTHY LAKE DAM	CLACKAMAS		45 6.5		HR	110.0	0	0	282.2		0	0	0	0	22.130				0	0	282.2		0
OR6NPP0043	ORU0534	5	DRC	I		EAGLE CREEK	CLACKAMAS		45 16.9	28	H	235.0	4800	4800	0	2397.5		21000	21000	0	114.16				21000	0	2397.5		21000
OR6NPP0038	ORU0413	2	DRC	D		UPPER AUSTIN POINT	CLACKAMAS		45 1.1	152	HCSR	405.0	0	0	4717.4		0	0	0	0	56.782				0	0	4717.4		0
OR6NPP2715	ORU0911	2	DRC	D		UPPER PELKEY	CLACKAMAS		45 0.0	93	IH	365.0	0	0	6699.5		0	0	0	0	56.992				0	0	6699.5		0
OR6NPP0028	ORU0253	5	DRC	D		WELCHES	CLACKAMAS		45 15.0	76	H	200.0	9800	9800	0	3677.9		64000	64000	0	57.468				64000	0	3677.9		64000



PM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. Q	PHR. MD.	STOR. MD.	INC. CAP.	INC. ENRG	ENERGY COST	(1000 \$)	(S/MWH)	ERC NON-ECONOMIC
FILE	(D M.M)	(D M.M)	(CFS)	(AC FT)	(FT)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
STATUS	(SQ.MI)	(SQ.MI)	(H)	(IS)	(H)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
0R6NPP0072	SALMONBERRY	CLATSOP	NEHALEM RIVER	123 36.5	573	IS	1600	84900	3600.4	42.408	
5 DFC D				45 45.5	573	IS	2018.0	20000	0	0	
0R6NPP0073	SPRICE RUN	CLATSOP	NEHALEM RIVER	123 37.9	549	IS	2500	73000	3329.5	45.610	
5 DFC D				45 47.9	549	IS	1877.0	17000	0	0	
0R6NPP0074	SQUAW CREEK	CLATSOP	NEHALEM RIVER	123 26.0	398	IS	70000	110000	6535.6	59.416	
5 DFC I				45 56.0	398	IS	1098.0	23000	0	0	
0R6NPP0077	ROCKY POINT CLEAR CREEK	COLUMBIA	NEHALEM RIVER	123 13.9	70	IS	133.0	19800	2351.5	118.76	
6 DFC I				45 47.9	70	IS	236.0	4500	0	0	
0R6NPP0083	ALLEGANY	CONS	MILLICOMA RIV	124 2.4	138	IS	50000	93637	8779.6	93.562	
6 DFC I				43 25.0	138	IS	248.7	74232	0	0	
0R6NPP0079	ASH SWAMP	CONS	SOUTH FORK CO	124 3.0	29	IS	160.0	11500	1520.0	132.17	
5 DFC I				42 46.9	29	IS	62000	2600	0	0	
0R6NPP0092	BALD HILL	CONS	NORTH FORK CO	124 4.5	284	IS	145.0	71062	5749.0	80.901	
5 DFC I				43 4.5	284	IS	61000	21359	0	0	
0R6NPP0094	BREWSTER VALLEY-SITKUM LOWER	CONS	EAST FORK CO	123 55.5	85	IS	139.8	18600	3599.4	193.51	
5 DFC D				43 9.0	85	CH	10000	4200	0	0	
0R7NPP0093	BREWSTER VALLEY (DIVERSION)	CONS	EAST FORK CO	123 55.5	83	IS	140.0	17500	2355.2	30.706	
2 DFC I				43 9.0	83	IS	235.0	17500	0	0	

FM 2 ID NO	PROJECT NAME	PRIMARY CQ.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTY DEP	OWNER	DR. AREA	DR. AREA	AVG. Q	AVG. Q	STATUS	MX. STOP.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
CODE	FILE	(D M.M)	(D M.M)	(CFS)	(FT)	(AC FT)	(KW)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
STATUS	(SQ.MI)	(SQ.MI)	(SQ.MI)	(CFS)	(FT)	(AC FT)	(KW)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
OR6NPP2699	CEDAR CREEK	CDNR	WILLIAMS RIVER	43 19.1	123 46.5	H	100.0	8400	36800	2239.5	
5 DFC I				98	552.0	IS	22800	8400	36800	60.856	
OR6NPP2700	COAL CREEK	CDNR	SOUTH FORK CO	42 47.3		H	215.0	0	0	3397.1	
5 DFC I				124 1.5	514.0	IS	48000	17234	42681	79.593	
OR7NPP2629	DELLWOOD	CDNR	SOUTH FORK CO	43 21.9		H	292.0	0	0	5217.9	
5 DFC I				123 56.9	1210.0	IS	180000	12848	67892	76.855	
OR6NPP0082	FAIRVIEW	CDNR	NORTH FORK CO	43 8.0		H	250.0	0	0	6948.5	
5 DFC D				124 7.0	483.0	IS	150000	14700	64300	108.6	
OR6NPP2798	GLENN CREEK	CDNR	EAST FORK MIL	43 26.4		CH	200.0	5000	22100	3476.7	
5 DFC D				123 58.0	166.0	IS	60000	5000	22100	157.32	
OR6NPP2717	IVERS PEAK	CDNR	EAST FORK MIL	43 26.4		H	195.0	0	0	3954.0	
5 DFC D				123 58.0	166.0	IS	368000	9800	43100	91.740	
OR6NPP2737	LAVERNE, LOWER	CDNR	NORTH FORK CO	43 15.0		H	125.0	0	0	1446.5	
5 DFC I				124 1.9	130.0	IS	32000	2500	10800	133.94	
OR6NPP2738	LAVERNE, UPPER	CDNR	NORTH FORK CO	43 18.5		H	160.0	0	0	2364.1	
5 DFC I				124 4.9	77.0	IS	22000	1900	8200	288.31	
OR6NPP2740	LOCKHART	CDNR	SOUTH FORK CO	42 44.4		H	125.0	0	0	1548.3	
5 DFC I				124 1.0	165.0	IS	7500	3100	13700	113.1	

FM 2 ID NO	PROJECT NAME	PRIMRY CN.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	HY. STOR.	AVE. Q	HPWR. HD.	TOT. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)
FILE	DR. AREA	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(MWH)	(\$/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
STATUS	(D M.H)	(SQ.MI)	(FT)	(KW)	(MWH)	(1000 \$)	(MWH)	(\$/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
OR6NPP2744	LOWER FLASH DAM	H	100.0	16000	69900	2696.9	0	38.582			
ORU0864	SOUTH FORK COO	IS	16000	16000	69900	38.582	0				
2 DFC E			99.9	16000	69900		0				
OR4NPP2728	MYRTLE CREEK, UPPER	H	115.0	2300	10000	1384.1	0				
ORU0873	ROCK CREEK	IS	8500	2300	10000	138.41	0				
5 DFC I			114.8	2300	10000		0				
OR6NPP0088	MYRTLE CREEK LOWER	IR	50.0	1400	6200	1025.4	0				
ORU0336	MYRTLE CREEK	IS	4500	1400	6200	165.40	0				
5 DFC D			29.9	1400	6200		0				
OR5NPP0080	PANTHER CREEK	H	20.0	10800	47500	1307.0	0				
ORU0220	MIDDLE FORK C	IS	370	10800	47500	27.516	0				
2 DFC I			619.3	10800	47500		0				
OR7NPP0115	POWERS	H	245.0	4664	26127	3987.6	0				
ORU0686	SOUTH FORK COO	IS	34900	4664	26127	152.62	0				
5 DFC D			319.6	4664	26127		0				
OR6NPP0078	ROCK CREEK	CIR	82.0	1814	7950	1061.9	0				
ORU0068	ROCK CREEK	IS	8050	1814	7950	133.57	0				
5 DFC I			60.9	1814	7950		0				
OR6NPP2774	SITCUM, UPPER	H	182.0	5000	22100	3150.9	0				
ORU0896	EAST FORK COO	IS	42000	5000	22100	142.57	0				
5 DFC I			181.8	5000	22100		0				
OR6NPP0095	SUGARLOAF MOUNTAIN	H	165.0	70903	122786	5785.3	0				
ORU0444	MIDDLE FORK C	IS	150000	70903	122786	47.118	0				
2 DFC I			159.8	70903	122786		0				
OR4NPP2759	TIDEWATER	H	50.0	8100	35600	1772.2	0				
ORU0906	SOUTH FORK COO	IS	2000	8100	35600	49.782	0				
5 DFC I			49.9	8100	35600		0				
			1070.0	8100	35600		0				





FM 2 ID NO *	FM 1 ID NO *	ACTV DEP *	FILE *	STATUS *	PROJECT NAME *	PRIMARY CO. OWNER *	LATITUDE *	LONGITUDE *	PROJ. PURP. *	DAM HT *	EXIST. CAP. *	INC. CAP. *	TOT. CAP. *	(MWH) *	(1000 \$) *	EXIST. ENRG. MANUL. COST *	ERC ECONOMIC *	INC. ENRG. COST *	ERC NON-ECONOMIC *	TOT. ENRGY *	(MWH) *	(\$/MWH) *	(SEQUENCE RANK) *	
DR6NPP0122	DRU0076	5	DFC I		AVERY RANCH	SIXES RIVER	42 47.9	124 14.5	CIR	110.0	0	2710	11900	0	1202.9	0	ERC	101.8	0	11900	0	11900	0	11900
DR6NPP0139	DRU0428	5	DRC I		BEAVER CREEK	SIXES RIVER	42 48.5	124 28.0	H	145.0	0	22371	40416	0	3329.4	0	ERC	82.377	0	40416	0	40416	0	40416
DR6NPP0125	DRU0148	6	DFC D		BOULDER CREEK	CHETCO RIVER	42 16.9	124 3.0	H	405.0	0	52300	229000	0	6975.1	0	ERC	30.459	0	229000	0	229000	0	229000
DR6NPP0308	DRU0085	6	DFC D		BUZZARDS ROOST	ILLINDIS RIVER	42 34.5	124 3.0	MCIRO	560.0	0	250000	767000	0	13698	0	ERC	17.859	0	767000	0	767000	0	767000
DR5NPP0148	DRU0633	6	DFC D		CHETCO RIVER INTERMEDIATE (P)	CHETCO RIVER	42 14.8	124 7.5	H	60.0	0	43000	70000	0	3051.5	0	ERC	43.593	0	70000	0	70000	0	70000
DR5NPP0150	DRU0635	5	DFC D		CHETCO RIVER UPPER (CHETO R)	CHETCO RIVER	42 17.9	124 5.9		85.0	0	42000	78800	0	4613.3	0	ERC	58.570	0	78800	0	78800	0	78800
DR6NPP2668	DRU0634	5	DRC D		CHETCO RIVER LOWER (CHETO R)	CHETCO RIVER	42 3.9	124 13.0	H	255.0	0	102933	187821	0	10863	0	ERC	57.841	0	187821	0	187821	0	187821
DR6NPP0128	DRU0266	6	DFC I		COPPER CANYON	ROGUE RIVER	42 32.9	124 6.4	H	455.0	0	718000	3140000	0	27934	0	ERC	6.8962	0	3140000	0	3140000	0	3140000
DR4NPP0129	DRU0268	5	DFC I		CREW CANYON	EUCRE CREEK	42 33.9	124 21.4	CIR	86.0	0	1100	4800	0	916.10	0	ERC	190.85	0	4800	0	4800	0	4800



FM 2 ID NO	PROJECT NAME	DR AREA	LONGITUDE	LATITUDE	PROJ.PURP.	DAM AT	EXIST.CAP.	EXIST.ENERG	ANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO. OWNER	DR AREA	LONGITUDE	LATITUDE	PROJ.PURP.	DAM AT	EXIST.CAP.	EXIST.ENERG	ANUL. COST	ERC ECONOMIC
CODE	FILE	(D M M)	(D M M)	(D M M)	AVE. Q	PHR. HD.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
STATUS		(90.MI)	(90.MI)	(90.MI)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
							(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
OR6NPP0126	PISTOL	42 16.5	124 20.0	42 16.5	H	205.0	0	0	3528.4	
ORU0223	CURRY	42 10.0	124 7.9	42 10.0	H	332.0	0	0	9144.5	
5 DFC I		42 10.0	124 7.9	42 10.0	H	332.0	0	0	9144.5	
OR6NPP0127	REDWOOD	42 10.0	124 7.9	42 10.0	H	332.0	0	0	9144.5	
ORU0227	CURRY	42 10.0	124 7.9	42 10.0	H	332.0	0	0	9144.5	
2 DFC I		42 10.0	124 7.9	42 10.0	H	332.0	0	0	9144.5	
OR6NPP2765	WINCHUCK	42 1.9	124 26.9	42 1.9	H	175.0	0	0	2565.5	
ORU091A	CURRY	42 1.9	124 26.9	42 1.9	H	175.0	0	0	2565.5	
5 DFC I		42 1.9	124 26.9	42 1.9	H	175.0	0	0	2565.5	
OR4NPP0138	WINCHUCK RIVER	42 0.9	124 7.0	42 0.9	R	84.0	0	0	933.97	
ORU0422	CURRY	42 0.9	124 7.0	42 0.9	R	84.0	0	0	933.97	
5 DFC I		42 0.9	124 7.0	42 0.9	R	84.0	0	0	933.97	
OR6NPP2674	AUBREY FALLS	44 10.8	121 18.4	44 10.8	I	65.0	0	0	1536.6	
ORU0802	DESCHUTES	44 10.8	121 18.4	44 10.8	I	65.0	0	0	1536.6	
5 DRC D		44 10.8	121 18.4	44 10.8	I	65.0	0	0	1536.6	
OR6NPP0162	BEND POWER DAM	44 3.7	121 18.8	44 3.7	H	14.0	0	0	0	
OR00594	DESCHUTES	44 3.7	121 18.8	44 3.7	H	14.0	0	0	0	
5 DRC I	PACIFIC POWER + LIGHT	44 3.7	121 18.8	44 3.7	H	14.0	0	0	0	
OR7NPP0155	BENHAM FALLS	43 56.0	121 24.0	43 56.0	I	50.0	0	0	5851.1	
ORU0081	DESCHUTES	43 56.0	121 24.0	43 56.0	I	50.0	0	0	5851.1	
5 DRC D		43 56.0	121 24.0	43 56.0	I	50.0	0	0	5851.1	
OR5NPP0157	CENTRAL CANAL	44 2.5	121 20.0	44 2.5	H	25.0	0	0	1630.5	
ORU0264	DESCHUTES	44 2.5	121 20.0	44 2.5	H	25.0	0	0	1630.5	
5 DRC D		44 2.5	121 20.0	44 2.5	H	25.0	0	0	1630.5	
OR6NPP0154	CLINE FALLS	44 15.0	121 14.5	44 15.0	I	35.0	0	0	1675.2	
OR00013	DESCHUTES	44 15.0	121 14.5	44 15.0	I	35.0	0	0	1675.2	
2 DFC I	PACIFIC POWER AND LIGHT	44 15.0	121 14.5	44 15.0	I	35.0	0	0	1675.2	

FM 2 ID NO	PROJECT NAME	LONGITUDE	DR AREA	STATUS	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRGY	INC. ENRGY	TOT. ENRGY	MANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. OWNER	(D M.M)	(D M.M)	(S.MI)	AVE. Q	(AC FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(\$/MWH)	ERC COMPOSITE
ACTY DEP	FILE	(S.MI)	(S.MI)	(CFS)	(FT)	(FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
CODE	STATUS	(S.MI)	(S.MI)	(CFS)	(FT)	(FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
ORC00161	CRANE PRAIRIE DAM	43 45.3	43 45.3	IR	36.0	36.0	0	0	0	0	0	0	623.2	
OR00279	DESCHUTES	121 47.0	121 47.0	OP	57500	57500	5300	5300	5300	23290	23290	23290	26.750	
2 DFC I	DOI USBR	254	254		330.0	22.4	5300	5300	5300	23290	23290	23290	26.750	
ORANPP0158	DILLON FALLS	43 58.2	43 58.2	H	65.0	65.0	0	0	0	0	0	0	1450.1	
ORU0645	DESCHUTES	121 24.8	121 24.8	IS	8200	8200	1511	1511	1511	9169	9169	9169	158.15	
5 DRC D		1759	1759		1290.0	64.9	1511	1511	1511	9169	9169	9169	158.15	
ORSNPP0156	LAVA ISLAND	43 59.4	43 59.4	H	10.0	10.0	0	0	0	0	0	0	2775.8	
ORU0110	DESCHUTES	121 22.5	121 22.5	IS	1	1	17482	17482	17482	65644	65644	65644	42.285	
5 DRC D		1759	1759		1290.0	224.7	17482	17482	17482	65644	65644	65644	42.285	
ORCNPP0160	WICKIUP DAM	43 41.0	43 41.0	IR	100.0	100.0	0	0	0	0	0	0	435.46	
OR00276	DESCHUTES	121 41.3	121 41.3	OP	216500	216500	3948	3948	3948	18370	18370	18370	23.704	
2 DRC I	DOI USBR	482	482		675.0	82.1	3948	3948	3948	18370	18370	18370	23.704	
ORSNPP0173	BRUIER CREEK	43 2.9	43 2.9	H	10.0	10.0	0	0	0	0	0	0	1194.8	
ORU0150	DOUGLAS	122 46.0	122 46.0	IS	1	1	3300	3300	3300	14400	14400	14400	82.977	
5 DFC D		90	90		240.0	199.8	3300	3300	3300	14400	14400	14400	82.977	
ORANPP0191	BOUNDARY	43 18.5	43 18.5	HCIR	235.0	235.0	0	0	0	0	0	0	5986.7	
ORU0256	DOUGLAS	122 50.5	122 50.5	IS	112000	112000	44000	44000	44000	216000	216000	216000	27.716	
6 DFC I		859	859		2210.0	186.8	44000	44000	44000	216000	216000	216000	27.716	
OR7NPP0194	BRADLEY CREEK	43 18.5	43 18.5	H	200.0	200.0	0	0	0	0	0	0	3011.3	
ORU0627	DOUGLAS	122 5.9	122 5.9	IS	79200	79200	4400	4400	4400	19100	19100	19100	157.66	
5 DFC D		41	41		90.0	317.6	4400	4400	4400	19100	19100	19100	157.66	
ORANPP0182	CANAS VALLEY	43 2.9	43 2.9	ICPH	335.0	335.0	0	0	0	0	0	0	11913	
ORU0261	DOUGLAS	123 43.0	123 43.0	IS	1750000	1750000	8000	8000	8000	43800	43800	43800	271.99	
5 DFC D		47	47		115.0	329.6	8000	8000	8000	43800	43800	43800	271.99	
ORJNPP0202	CLEARWATER NUMBER 1 FOREBAY	43 15.3	43 15.3	H	20.0	20.0	15000	15000	15000	68172	68172	68172	0	
OR00582	DOUGLAS	122 19.2	122 19.2	OP	154	154	0	0	0	0	0	0	0	
5 DRC D	PACIFIC POWER AND LIGHT	42	42		173.0	650.9	15000	15000	15000	68172	68172	68172	0	



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
ACTY DEP	OWNER	DR. AREA	DR. AREA	DR. AREA	DR. AREA	STATUS	AVG. Q	INC. CAP.	INC. ENRG ENERGY COST	ERC NONECONOMIC
CODE	FILE	(D M M)	(D M M)	(D M M)	(D M M)	(CFS)	(FT)	(KW)	(\$/MWH)	ERC COMPOSITE
STATUS	(80.MI)	(80.MI)	(80.MI)	(80.MI)	(80.MI)	(CFS)	(FT)	(KW)	(\$/MWH)	(SEQUENCE RANK)
ORHNPP0207	FISH CREEK DAM	DOUGLAS	FISH CREEK, OR	43 13.8	122 26.7	H	18.0	11000	0	0
5	DRC 0		PACIFIC POWER + LIGHT	65		OP	40	0	0	0
ORSNPP2678	FISH LAKE	DOUGLAS	FISH LAKE CREEK	43 5.9	122 34.4	H	40.0	0	0	644.72
2	DRC I			7		IS	4500	3800	16800	38.352
OR6NPP2794	GALESVILLE	DOUGLAS	COW CREEK	42 50.9	123 10.5	CIR80	130.0	0	0	1614.4
2	DRC I			78		IS	55000	4200	18500	87.269
OR6NPP0174	GLINE	DOUGLAS	NORTH UMPQUA	43 19.5	123 1.0	H	65.0	0	0	3322.5
5	DRC D			1200		IS	24200	22966	58788	56.516
OR6NPP2812	GOLD MOUNTAIN	DOUGLAS	WEST FORK COW	42 50.5	123 47.5	SI	270.0	0	0	2925.5
2	DRC			21		IS	55600	2600	11600	217.72
OR6NPP0197	HAMAKER	DOUGLAS	ROGUE RIVER	43 1.5	122 22.0	H	165.0	0	0	1761.9
5	DRC D			62		IS	21000	4188	25615	68.786
OR6NPP2686	HINKLE	DOUGLAS	CALAPOOYA CREEK	43 26.4	123 4.6	H	255.0	0	0	3321.5
5	DRC I			48		IS	102000	2753	12113	274.19
OR6NPP2688	HONEYBUCKLE	DOUGLAS	WEST FORK COW	42 48.5	123 39.4	CIR80H	305.0	0	0	3429.1
2	DRC I			71		IS	78000	10900	47900	71.590
OR7NPP0167	HORSESHOE BEND	DOUGLAS	NORTH UMPQUA	43 17.7	123 12.7	HCIR0	60.0	0	0	2738.0
6	DRC I			1230		IS	23500	14000	98000	27.939

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANNUL.COST	ERC ECONOMIC
ACTV DEP	OWNER	DR.AREA	AVE. G	MPHR.	HD.	TOT. CAP.	TOT.ENERG	(MWH)	(1000 \$)	(\$/MWH)	ERC COMPOSITE
CODE	FILE	(D M.M)	(CFS)	(AC FT)	(K)	(K)	(K)	(MWH)	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(S.M.I)		(FT)	(K)	(K)	(K)	(MWH)	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)
DR6NPP0190	IRON MOUNTAIN	DOUGLAS	COW CREEK	42 54.0	123 31.9	H	155.0	0	0	3013.9	0
5	DRU0433	DOUGLAS		426	426	IS	6000	15706	61373	49.108	61373
DR6NPP0169	KELIEYS-SMITH FERRY	DOUGLAS	UMPQUA RIVER	43 35.5	123 33.0	H	305.0	0	0	18682	0
6	DRU0106	DOUGLAS		3683	3683	IS	347000	160000	963600	19.388	963600
DR6NPP0168	KELIOGG	DOUGLAS	UMPQUA RIVER	43 31.5	123 32.6	H	70.0	0	0	4192.0	0
6	DRU0105	DOUGLAS		3650	3650	IS	35000	23500	196000	21.388	196000
DR6NPP2735	LAKE CREEK NUMBER 1	DOUGLAS	LAKE CREEK	43 11.4	122 10.0	H	5.0	0	0	1667.6	0
5	DRU0855	DOUGLAS		57	57	IS	30000	1574	13661	122.6	13661
DR6NPP2736	LAKE CREEK NUMBER 3	DOUGLAS	LAKE CREEK	43 15.0	122 9.0	H	5.0	0	0	618.84	0
5	DRU0856	DOUGLAS		76	76	IS	324.6	1421	5693	108.70	5693
DR7NPP2734	LAKE CREEK DS	DOUGLAS	LAKE CREEK	43 30.0	123 48.0	H	185.0	0	0	2659.9	0
5	DRU0854	DOUGLAS		55	55	IS	140000	5900	26000	102.30	26000
DR7NPP0205	LEMNLO NUMBER 1	DOUGLAS	NORTH UMPQUA	43 19.1	122 11.3	HR	120.0	29000	181000	0	0
5	DRU0556	PACIFIC POWER + LIGHT		179	179	DP	14650	5900	26000	0	0
DR7NPP0209	LEMNLO NUMBER 2 FOREBAY	DOUGLAS	NORTH UMPQUA	43 19.1	122 11.3	H	13.0	33000	99089	0	0
5	DRU0564	PACIFIC POWER + LIGHT		258	258	DP	728.9	33000	99089	0	0
DR7NPP0170	LOON LAKE DIVERSION	DOUGLAS	MILL CREEK/LA	43 36.9	123 50.0	H	80.0	6500	59900	2144.3	0
5	DRU0113	DOUGLAS		89	89	IS	100000	6500	59900	38.359	59900

FM 2 ID NO	PROJECT NAME	STREAM	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	MANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMRY CT. OWNER	NAME OF STREAM	DR. AREA	LONGITUDE	STATUS	MX. STOR.	AVG. Q	PHR. HD.	STOT. ENRGY	(MHH)	(1000 \$)
CODE	FILE	STATUS	(D M M)	(S M MI)	(CFS)	(AC FT)	(KW)	(MHH)	(MHH)	(MHH)	(\$/MHH)
OR5NPP0178	MILL CREEK	MILL CREEK	43 37.1	123 50.9	H	5.0	0	0	0	0	1556.6
5	DFC D	DOUGLAS	128	128	IS	74.9	5000	22300	22300	22300	69.806
OR6NPP0171	DAK CREEK	NORTH UMPQUA	43 18.9	123 18.0	H	220.0	0	0	0	0	12014
5	DRC I	DOUGLAS	1295	1295	IS	149.8	106540	184342	184342	184342	65.172
OR6NPP2752	OLLALA CREEK	OLLALA CREEK	43 1.7	123 32.5	D	165.0	0	0	0	0	3211.1
5	DFC I	DOUGLAS	60	60	IS	179.8	2800	12200	12200	12200	253.20
OR6NPP2787	PERDUE	SOUTH UMPQUA	43 13.0	123 18.0	H	105.0	0	0	0	0	4113.3
5	DRC I	DOUGLAS	1031	1031	IS	99.9	13933	57395	57395	57395	71.666
OR6NPP0172	PERDUE RESERVOIR	SOUTH UMPQUA	42 55.4	123 5.0	H	155.0	0	0	0	0	5620.4
2	DRC E	DOUGLAS	639	639	IS	149.8	60283	123868	123868	123868	45.374
OR6NPP0164	RIDDLE	SOUTH UMPQUA	42 57.0	123 20.0	H	65.0	0	0	0	0	4178.2
5	DFC D	DOUGLAS	1331	1331	IS	64.9	22700	99500	99500	99500	41.992
OR7NPP0165	ROCK CREEK	NORTH UMPQUA	43 18.9	123 1.5	H	180.0	0	0	0	0	5848.5
6	DFC I	DOUGLAS	886	886	IS	220.7	51000	263000	263000	263000	22.237
OR4NPP2769	ROSEBURG	SOUTH UMPQUA	43 12.6	123 22.5	H	50.0	0	0	0	0	2205.4
5	DFC I	DOUGLAS	1500	1500	IS	49.9	3000	22000	22000	22000	100.24
OR5NPP0166	RUCKLES	SOUTH UMPQUA	43 4.5	123 21.4	H	60.0	0	0	0	0	4551.0
2	DFC I	DOUGLAS	1495	1495	IS	129.8	51000	221000	221000	221000	20.593



PM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXST. ENRG ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER					STATUS	MX. STOR.	INC. CAP.	INC. ENRG ENERGY COST	ERC NONECONOMIC
CODE				DR. AREA	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
FILE				(D M. N)	(AC FT)	(KWH)	(KWH)	(\$/MWH)	(SEQUENCE RANK)	
STATUS				(SQ. MI)	(FT)	(KWH)	(KWH)	(\$/MWH)	(SEQUENCE RANK)	
DR6NPP0180	SALMONBERRY	DOUGLAS	SMITH RIVER	43 47.9	123 37.0	H	165.0	0	0	3203.8
DRU0232	DOUGLAS			123 37.0	18	IS	15000	2000	9100	352.7
5 DFC D				36	85.0		159.8	2000	9100	
DR6NPP0186	SAMMILL	DOUGLAS	SMITH RIVER	43 46.5	123 58.0	H	255.0	0	0	6979.9
DRU0385	DOUGLAS			123 58.0	IS	IS	100000	28500	125000	55.839
5 DFC I				330	750.0		249.7	28500	125000	
DR6NPP0187	SCOTTSBURG	DOUGLAS	UMPOUA RIVER	43 39.4	123 48.5	H	100.0	0	0	12126
DRU0388	DOUGLAS			123 48.5	IS	IS	190000	92565	361824	33.514
6 DRC I				4100	8530.0		94.9	92565	361824	
DR6NPP0206	SLIDE CREEK DAM	DOUGLAS	NORTH UMPQUA	43 16.5	123 26.8	H	30.0	18000	103700	0
DRU0561	DOUGLAS			123 26.8	OP	OP	50	0	0	0
5 DFC D	PACIFIC POWER AND LIGHT			337	1130.0		166.0	18000	103700	
DR6NPP0204	SODA SPRINGS DAM	DOUGLAS	NORTH UMPQUA	43 18.1	122 29.6	H	48.0	11000	60938	0
DRU0555	DOUGLAS			122 29.6	OP	OP	710	0	0	0
5 DRC I	PACIFIC POWER AND LIGHT			420	1140.0		107.0	11000	60938	
DR6NPP0193	SOUTH UMPQUA FALLS	DOUGLAS	SOUTH UMPQUA	43 2.5	122 41.9	H	245.0	0	0	4802.4
DRU0540	DOUGLAS			122 41.9	IS	IS	85000	4132	16105	298.17
5 DRC D				85	200.0		399.6	4132	16105	
DR6NPP0188	STEAMBOAT	DOUGLAS	NORTH UMPQUA	43 19.9	122 41.9	H	190.0	0	0	3344.1
DRU0395	DOUGLAS			122 41.9	IS	IS	25800	16300	113000	29.594
6 DFC E				585	2000.0		189.8	16300	113000	
DR6NPP0189	TILLIER	DOUGLAS	SOUTH UMPQUA	42 56.0	122 56.0	H	385.0	0	0	7300.2
DRU0406	DOUGLAS			122 56.0	IS	IS	60000	44600	195400	37.360
2 DFC I				446	1030.0		284.7	44600	195400	
DR6NPP0198	TILLIER DIVERSION	DOUGLAS	SOUTH UMPQUA	42 59.8	122 50.5	H	40.0	0	0	3300.8
DRU0703	DOUGLAS			122 50.5	IS	IS	850	11974	83159	39.692
5 DRC D				430	1030.0		159.8	11974	83159	

FM 2 ID NO	PROJECT NAME	PROJECT NO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRGY	(MWH)	(1000 \$)	(S/MWH)	ERC COMPOSITE	(SEQUENCE RANK)	(SEQUENCE RANK)
FILE	(D.M.W)	(AC FT)	(FT)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)
STATUS	(S.M.H)	(CFS)	(FT)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)
ORJNPP0203	TOKETE DAM	43 15.7	HR	60.0	42500	261000	0	0	0	0	0	0
OR00554	DOUGLAS	122 25.1	DP	1420	0	0	0	0	0	0	0	0
5 OFC D	PACIFIC POWER + LIGHT	337		447.9	42500	261000	0	0	0	0	0	0
OR6NPP0199	TWIN SISTERS	43 46.9	H	220.0	0	0	0	0	0	0	0	0
ORU0707	DOUGLAS	123 41.4	IS	268000	23507	42990	0	0	0	0	0	0
5 DRC I		135		214.7	23507	42990	0	0	0	0	0	0
ORMNPP0163	WINCHESTER (EXIST)	43 17.0	H	14.0	0	0	0	0	0	0	0	0
ORP0001	DOUGLAS	123 21.1	IS	1	7100	31000	0	0	0	0	0	0
2 DFC I	WINCHESTER WATER CONTROL DIS	1290		13.9	7100	31000	0	0	0	0	0	0
OR5NPP2808	WINCHESTER DIVERSION	43 17.3	H	60.0	0	0	0	0	0	0	0	0
ORU0926	DOUGLAS	123 19.5	IS	17400	17939	108576	0	0	0	0	0	0
6 DRC I		1290		79.9	17939	108576	0	0	0	0	0	0
OR6NPP0313	WOLF CREEK	43 25.9	CIRD	150.0	0	0	0	0	0	0	0	0
ORU0421	DOUGLAS	123 33.9	IS	840600	37000	300000	0	0	0	0	0	0
6 DFC I		3600		144.8	37000	300000	0	0	0	0	0	0
OR7NPP0175	12 RB NUMBER 1	43 46.9	H	55.0	0	0	0	0	0	0	0	0
ORU016A	DOUGLAS	123 27.5	IS	40000	5400	24000	0	0	0	0	0	0
5 DFC D		35		319.6	5400	24000	0	0	0	0	0	0
OR6NPP2693	BLACK CANYON	44 19.7	H	250.0	0	0	0	0	0	0	0	0
ORU0806	GRANT	119 33.4	IS	50000	6800	30000	0	0	0	0	0	0
5 DFC D		569		249.7	6800	30000	0	0	0	0	0	0
OR4NPP0221	CAMP CREEK	44 59.0	H	10.0	0	0	0	0	0	0	0	0
ORU0154	GRANT	118 46.9	IS	0	26000	113000	0	0	0	0	0	0
2 DFC I		249		99.0	26000	113000	0	0	0	0	0	0
OR7NPP2698	CANYON CREEK	44 15.5	CI	155.0	0	0	0	0	0	0	0	0
ORU0811	GRANT	118 56.5	IS	28000	1700	7300	0	0	0	0	0	0
5 DFC D		68		50.0	1700	7300	0	0	0	0	0	0

FM 2 ID NO	ACTV DEP	CODE	FILE	STATUS	ORSNPP0215	DRU0086	2	DFC	I	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	DR AREA	(D M M)	(D M M)	(SQ MI)	(CFS)	(AC FT)	(FT)	(KW)	(KW)	(KW)	(KW)	TOT. CAP.	INC. ENERGY	EXIST. ENRG ANUL.	COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
OR6NPP0216	ORU0847	5	DRC	I	SOUTH FORK JO	119 31.5	180.0	349.6	1	FOURMILE GRANT			44 25.0	119 31.5	590	180.0	349.6	1	9600	41900	0	41900	0	41900	0	41900	0	1561.4	37.267							
OR6NPP2708	ORU0833	5	DRC	I	MIDDLE FORK J	118 49.0	140.0	219.7	IS	GALENA GRANT			44 42.0	118 49.0	312	140.0	219.7	IS	1789	8392	0	8392	0	8392	0	8392	0	3282.3	391.11							
OR6NPP0216	ORU0097	5	DFC	I	HALL HILL GRANT	118 37.9	114.0	76.0	IS	HALL HILL GRANT			44 21.9	118 37.9	250	114.0	76.0	IS	1780	7810	0	7810	0	7810	0	7810	0	2496.1	319.61							
OR6NPP0217	ORU0100	5	DRC	I	HUMPHREY RANCH GRANT	119 37.9	520.0	109.8	IS	HUMPHREY RANCH GRANT			44 34.5	119 37.9	1991	520.0	109.8	IS	4787	22738	0	22738	0	22738	0	22738	0	1820.6	60.68							
OR6NPP2689	ORU0846	5	DFC	I	HUNT GULCH GRANT	118 37.5	70.0	239.7	IS	HUNT GULCH GRANT			44 38.4	118 37.5	156	70.0	239.7	IS	2600	11200	0	11200	0	11200	0	11200	0	3137.7	280.15							
OR6NPP2716	ORU0847	5	DRC	D	INDIAN CREEK GRANT	118 52.8	170.0	169.8	IS	INDIAN CREEK GRANT			44 46.3	118 52.8	378	170.0	169.8	IS	1555	7788	0	7788	0	7788	0	7788	0	1869.2	239.99							
OR6NPP0218	ORU0101	5	DFC	D	JOHNSON GRANT	118 58.9	200.0	162.4	IS	JOHNSON GRANT			44 47.9	118 58.9	449	200.0	162.4	IS	6700	29000	0	29000	0	29000	0	29000	0	3831.0	132.10							
OR6NPP2741	ORU0861	5	DRC	I	LONG CREEK GRANT	119 13.0	238.0	59.9	IS	LONG CREEK GRANT			44 52.8	119 13.0	515	238.0	59.9	IS	2254	7037	0	7037	0	7037	0	7037	0	928.98	132.0							
OR6NPP0219	ORU0122	2	DRC	I	MONUMENT GRANT	119 25.9	914.0	169.8	IS	MONUMENT GRANT			44 48.7	119 25.9	2520	914.0	169.8	IS	23569	62422	0	62422	0	62422	0	62422	0	4148.73	66.455							

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAN HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGANUL. COST	INC. ENRGANUL. COST	ERC ECONOMIC
FM 1 ID NO	OWNER	DR. AREA	STATUS	AVE. G	PHR. HD.	TOT. CAP.	(KWH)	(KWH)	(KWH)	(S/MWH)	(S/MWH)	ERC NON-ECONOMIC
CODE	FILE	(D M.M)	(CFS)	(AC FT)	(FT)	(KWH)	(KWH)	(KWH)	(KWH)	(S/MWH)	(S/MWH)	(SEQUENCE RANK)
STATUS		(S/M.M)		(AC FT)	(FT)	(KWH)	(KWH)	(KWH)	(KWH)	(S/MWH)	(S/MWH)	(SEQUENCE RANK)
OR6NPP0220	OLIVER RANCH	GRANT	JOHN DAY RIVE	44 25.0	118 52.0	H	180.0	0	0	0	3544.9	
5 DRC I				392		IS	99000	1788	8622	0	411.11	
OR6NPP0214	PICTURE GORGE (DAYVILLE)	GRANT	JOHN DAY RIVE	44 30.9	119 37.0	H	275.0	0	0	0	5303.4	
5 DRC D				1680		IS	840000	22658	62834	62834	84.404	
OR4NPP2788	PORTER	GRANT	MIDDLE FORK J	44 50.9	119 3.0	H	90.0	0	0	0	1329.4	
5 DRC I				575		IS	6400	1283	6506	6506	204.33	
OR6NPP0222	TWOMILE CANYON	GRANT	NORTH FORK JO	44 55.0	119 19.4	H	585.0	0	0	0	18515	
5 DFC D				1983		IS	2800000	46300	202700	202700	91.343	
OR6NPP0233	ADEI	HARNEY	DEEP CREEK	42 10.4	119 54.9	H	400.0	0	0	0	5480.4	
5 DRC I				267		IS	63000	18330	31467	31467	174.16	
OR6NPP0410	BLACK BUTTE	HARNEY	MALHEUR RIVER	43 40.0	118 15.0	H	204.0	0	0	0	5870.0	
5 DRC I				950		IS	1450000	3532	12023	12023	488.820	
OR6NPP0230	BURNT CAR	HARNEY	DONNER AND BL	42 44.0	118 50.5	H	315.0	0	0	0	2617.6	
5 DRC I				157		IS	37000	1982	10494	10494	249.43	
OR6NPP0232	FRENCH GLEN	HARNEY	DONNER AND BL	42 46.9	118 52.0	H	275.0	0	0	0	2851.1	
5 DRC I				200		IS	66000	2140	11407	11407	249.93	
OR6NPP0231	SILVIES CANYON	HARNEY	SILVIES RIVER	43 45.9	119 11.0	H	147.0	0	0	0	3878.7	
5 DFC I				921		IS	215000	3100	13500	13500	287.31	

FM 2 ID NO	PROJECT NAME	LONGITUDE	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL. COST	ERC ECONOMIC
ACTY DEP	PRIMARY CO. OWNER	DR.AREA	AVG. S	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
CODE	DR.AREA	(D M.M)	(FT)	TOT. CAP.	TOT.ENERG	(1000 \$)	ERC COMPOSITE
FILE	(D M.M)	(AC FT)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS	(SQ.MI)	(FT)	(KW)	(MWH)	(MWH)		(SEQUENCE RANK)
OR6NPP2682	EAST FORK HOOD RIVER	45 19.7	I	220.0	0	9541.2	
ORU0823	EAST FORK HOOD RIVER	121 34.0	IS	5000	12600	757.24	
5 DFC I		26		2900	12600		
OR4NPP2800	GREEN POINT CREEK	45 35.3	RI	100.0	0	1173.3	
ORU0841	HOOD RIVER	121 39.0	IS	1700	7400	158.95	
5 DFC I		20		1700	7400		
OR4NPP2731	LAKE BRANCH 1	45 32.3	RI	186.0	0	1384.7	
ORU0851	HOOD RIVER	121 43.9	IS	7890	16800	82.426	
2 DFC I		25		3800	16800		
OR4NPP2732	LAKE BRANCH 2	45 37.6	RI	200.0	0	1465.8	
ORU0852	HOOD RIVER	121 48.0	IS	8960	9600	152.68	
5 DFC I		11		2200	9600		
OR6NPP0248	LAKE LAURANCE DAM	45 27.6	IRC	111.0	0	166.23	
ORU0451	HOOD RIVER	121 35.4	DP	3550	4940	33.651	
5 DFC I	MIDDLE FORK IRR. DIST.			1130	4940		
OR6NPP2745	NEAL CREEK	45 34.7	I	94.0	0	2487.0	
ORU0475	HOOD RIVER	121 31.9	IS	5900	14000	177.64	
5 DFC D	WEST FORK NEAL	76		3200	14000		
OR6NPP0244	POWERDALE	45 40.4	H	11.0	6000	0	
ORP0005	HOOD RIVER	121 31.0	DP	1	0	0	
5 DFC I	PACIFIC POWER AND LIGHT	300		6000	47500		
OR6NPP2709	UNP ORU0907	45 34.1	H	10.0	0	917.74	
ORU0907	HOOD RIVER	121 37.0	IS	30	26600	34.501	
2 DFC I	E FORK HOOD R	3		6100	26600		
OR6NPP0256	APPIEGATE CORPS OF ENGINEERS	42 2.9	R80IC	232.0	0	831.93	
ORU0072	JACKSON APLEGATE RIV	123 7.0	DP	82000	41610	19.993	
2 DFC I	CORPS ENGR PORTLAND DIST	223		9000	41610		

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	OWNER	DR. AREA	DR. AREA	AVG. Q	AVG. Q	AVG. Q	AVG. Q	AVG. Q	AVG. Q
ACTV DEP	FILE	(D M.M)	(D M.M)	(CFS)	(AC FT)	(FT)	(KW)	(MWH)	(1000 \$)
CODE	STATUS	(SQ.MI)	(SQ.MI)	(CFS)	(AC FT)	(FT)	(KW)	(MWH)	(\$/MWH)
DR6NPP0259	BIG BUTTE CREEK (MCNEIL)	JACKSON	BIG BUTTE CREEK	42 39.0	H	190.0	15193	65216	4638.3
DRU0145	BIG BUTTE CREEK	JACKSON	BIG BUTTE CREEK	42 41.0	H	115000	15193	65216	71.122
5 DRC I				253		164.8			
DR5NPP0273	CASYLE CREEK	JACKSON	ROGUE RIVER	42 54.0	H	55.0	0	0	1898.2
DRU0632	CASYLE CREEK	JACKSON	ROGUE RIVER	42 28.0	H	1200	8500	52000	36.504
2 DFC E				187		199.8	8500	52000	
DR7NPP0261	CASTLE CREEK (MT STELLA)	JACKSON	ROGUE RIVER	42 55.0	H	80.0	0	0	2002.5
DRU0157	CASTLE CREEK	JACKSON	ROGUE RIVER	42 25.5	H	13400	13300	57900	34.586
2 DFC D				122		239.7	13300	57900	
DRKNPP0250	EAGLE POINT	JACKSON	LITTLE BUTTE	42 26.4	H	1.0	2813	20000	0
DRP0014	EAGLE POINT	JACKSON	LITTLE BUTTE	42 45.0	DP	1	0	0	0
5 DFC I	PACIFIC POWER AND LIGHT			135		409.0	2813	20000	
DR4NPP0274	ELK CREEK	JACKSON	ROGUE RIVER	42 39.0	H	30.0	0	0	1880.4
DRU0649	ELK CREEK	JACKSON	ROGUE RIVER	42 44.5	H	1800	5783	26012	72.289
5 DRC I				1082		29.9	5783	26012	
DR6NPP0264	ELK CREEK (CORPS OF ENGINEER)	JACKSON	ELK CREEK	42 41.6	OSTCRH	233.0	0	0	3307.8
DRU0190	ELK CREEK	JACKSON	ELK CREEK	42 43.7	SI	101000	3663	18330	180.45
5 DRC D	CORPS (NPP)			132		223.3	3663	18330	
DRCNPP0291	EMIGRANT DAM	JACKSON	EMIGRANT CREEK	42 9.6	ICRO	196.0	0	0	183.92
DRU0581	EMIGRANT DAM	JACKSON	EMIGRANT CREEK	42 36.2	OP	45700	1400	6000	30.654
5 DFC I	DOI USBR			100		180.8	1400	6000	
DR5NPP0262	FOSTER CREEK	JACKSON	ROGUE RIVER	42 59.4	H	10.0	0	0	1533.9
DRU0163	FOSTER CREEK	JACKSON	ROGUE RIVER	42 23.5	IS	1	6200	27100	56.604
5 DFC D				62		219.7	6200	27100	
DRANPP0275	GOLD HILL	JACKSON	ROGUE RIVER	42 24.0	H	65.0	0	0	6166.3
DRU0654	GOLD HILL	JACKSON	ROGUE RIVER	42 4.9	IS	26000	27116	123152	50.70
5 DFC D				2050		3600.0	27116	123152	

FM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.CAP.	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME	STATUS	MX.STOR.	INC. CAP.	INC.ENERGY	ERC NON-ECONOMIC
ACTV DEP	OWNER	AVE. G	PHR. HD.	TOT. CAP.	TOT.ENERGY	ERC COMPOSITE
CODE		(KWH)	(KWH)	(KWH)	(KWH)	(SEQUENCE RANK)
FILE		(KWH)	(KWH)	(KWH)	(KWH)	(SEQUENCE RANK)
STATUS		(KWH)	(KWH)	(KWH)	(KWH)	(SEQUENCE RANK)
DRNPP0255	GOLD HILL-IDEAL CEMENT	HCRIO	90.0	0	0	4858.6
DRP0089	JACKSON ROGUE RIVER	DP	68000	19947	107232	45.309
6 DRC I	IDEAL CEMENT COMPANY		69.9	19947	107232	
DRNPP0292	GOLD RAY	R	35.0	0	0	603.64
DR00595	JACKSON ROGUE RIVER	IS	100	5627	30254	19.952
6 DRC I	JACKSON COUNTY		19.9	5627	30254	
DRJNPP0249	GREEN SPRINGS	H	78.0	16000	43429	0
DRP0002	JACKSON EMIGRANT CREEK	DP	400	0	0	0
5 DRC D	BUREAU OF RECLAMATION		1768.0	16000	43429	
DRNPP2687	HOMESTEAD GULCH	CI	140.0	0	0	2383.6
DR00844	JACKSON EVANS CREEK	IS	53200	2100	9000	264.84
5 DFC I			134.8	2100	9000	
DRSNPP0257	KITER CREEK	HCRIO	40.0	0	0	2229.1
DRU0108	JACKSON ROGUE RIVER	IS	1150	8337	66466	33.538
2 DRC D			219.7	8337	66466	
DRNPP0276	LEWIS CREEK	DRICH	150.0	0	0	4607.0
DRU0668	JACKSON ROGUE RIVER	IS	98000	23809	117660	39.155
6 DRC I			140.8	23809	117660	
DRSNPP2669	LITTLE BUTTE CREEK	H	10.0	0	0	2514.6
DRU0669	JACKSON ROGUE RIVER	IS	1	5178	38103	65.994
5 DRC D			34.9	5178	38103	
DRNPP0258	LONG CREEK	HCRIO	65.0	0	0	2699.3
DRU0111	JACKSON ROGUE RIVER	IS	29000	7133	47290	57.79
6 DRC I			64.9	7133	47290	
DRINPP0293	LOST CREEK	CHSR	327.0	49000	303000	0
DR00612	JACKSON ROGUE RIVER	DP	50000	0	0	0
5 DFC D	DAEN NPP		315.9	49000	303000	





FM 2 ID NO	FM 1 ID NO	ACTV CODE	FILE STATUS	PROJECT NAME	OWNER	PRIMARY CO.	LATITUDE	LONGITUDE	PROJ.PURP.	DAM NY	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
				NAME OF STREAM					STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY.COST	ERC NONECONOMIC
							DR.AREA		AVE. Q	HD.	TOT. CAP.	TOT.ENERG	(1000 \$)	(SEQUENCE RANK)
							(D.M.M)	(AC FT)			(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
							(80.MI)	(CFS)			(MWH)	(MWH)		(SEQUENCE RANK)
ORGNP0287	OR00290	6	DRC I	SAVAGE RAPIDS DIVERSION	JACKSON	JACKSON	42 25.2	IR	39.0	1340	11738	0	923.90	
				ROGUE RIVER		OP	123 13.7	OP	1500	11281	40611	0	22.749	
					DNI USBR		2432		26.0	12621	52350	0		
OR5NPP0283	OR00705	5	DRC D	TOP CREEK	JACKSON		42 49.9	H	60.0	0	0	0	2082.7	
				ROGUE RIVER		IS	122 29.5	IS	18400	4999	39987	0	52.84	
							291		139.8	4999	39987	0		
OR6NPP0268	OR00446	5	DRC I	TRAIL CREEK	JACKSON		42 37.5	H	80.0	0	0	0	3504.3	
				ROGUE RIVER		IS	122 48.0	IS	18500	17126	70525	0	49.689	
							1144		74.9	17126	70525	0		
OR5NPP2714	OR00709	2	DRC I	UNION CREEK	JACKSON		42 52.0	H	10.0	0	0	0	1934.3	
				ROGUE RIVER		IS	122 28.4	IS	50	7958	57219	0	33.806	
							157		279.7	7958	57219	0		
OR4NPP2695	OR00408	5	DRC I	BOX CANYON UPPER	JEFFERSON		44 29.4	H	100.0	0	0	0	2769.7	
				CROOKED RIVER		IS	121 17.5	IS	3800	14883	65563	0	42.244	
							4300		99.9	14883	65563	0		
OR6NPP2694	OR00407	2	DRC E	BOX CANYON LOWER	JEFFERSON		44 30.0	H	155.0	0	0	0	2927.8	
				CROOKED RIVER		IS	121 16.9	IS	8200	20273	86920	0	33.684	
							4300		129.8	20273	86920	0		
OR6NPP2702	OR00415	6	DRC D	COLFMAN	JEFFERSON		44 47.9	H	78.0	0	0	0	3514.5	
				DESCHUTES RIV		IS	121 7.5	IS	20500	22397	152425	0	23.57	
							7925		57.9	22397	152425	0		
OR5NPP0299	OR00262	2	DRC D	CROOKED RIVER GORGE	JEFFERSON		44 29.7	H	50.0	0	0	0	4642.0	
				CROOKED RIVER		IS	121 17.7	IS	1750	23321	161649	0	28.716	
							4300		799.2	23321	161649	0		
OR6NPP0295	OR00091	6	DRC I	GENEVA	JEFFERSON		44 30.0	H	325.0	0	0	0	5123.7	
				DESCHUTES RIV		IS	121 18.5	IS	60000	45471	129913	0	39.439	
							2313		324.6	45471	129913	0		

FM 2 ID NO	PROJECT NAME	DR AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. OWNER	DR AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV CODE	FILE	DR AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
STATUS	FILE	DR AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ORHNP0294	JACK CREEK 5/CIRCLE M RANCH	44 29.4	121 39.0	44 29.4	OP	0	0	0	0	0
ORP0617	JEFFERSON JACK CREEK	121 39.0	10	15.0	OP	0	0	0	0	0
4 DFA I	LUNDRGREN LEONARD	10	15.0	51.0	OP	90	400	0	0	0
OR7NPP0298	JACKS CREEK	44 33.5	172.0	0	H	0	0	0	4213.0	0
ORU0199	JEFFERSON METOLIUS RIVE	121 36.4	37000	299.7	IS	11900	88500	0	47.605	0
5 DFC D		117	299.7	11900	IS	11900	88500	0	47.605	0
OR7NPP0296	JEFFERSON CREEK	44 39.4	50.0	0	H	0	0	0	4487.4	0
ORU0102	JEFFERSON METOLIUS RIVE	121 35.5	800	399.6	IS	25265	218522	0	20.535	0
6 DRC I		219	399.6	25265	IS	25265	218522	0	20.535	0
OR6NPP0297	METOLIUS BENCH	44 36.9	380.0	0	H	0	0	0	8258.2	0
ORU0119	JEFFERSON METOLIUS RIVE	121 27.5	28200	349.6	IS	62036	339685	0	24.311	0
6 DRC E		318	349.6	62036	IS	62036	339685	0	24.311	0
OR7NPP0305	PELTON DAM	44 41.6	205.0	0	H	108000	400000	0	954.84	0
ORU0548	JEFFERSON DESCHUTES RIV	121 13.8	37300	152.8	OP	12000	3000	0	318.28	0
5 DFC D	PORTLAND GENERAL ELECT	7800	152.8	120000	OP	120000	403000	0	318.28	0
ORCNPP0304	PELTON REGULATING DAM	44 43.4	85.0	0	H	0	0	0	827.41	0
ORU0547	JEFFERSON DESCHUTES RIV	121 14.7	3500	36.3	FP	15000	81135	0	10.198	0
2 DFC I	PORTLAND GENERAL ELECT	7820	36.3	15000	FP	15000	81135	0	10.198	0
ORINPP0306	ROUND BUTTE DAM	44 36.3	440.0	0	HR	247050	215042	0	0	0
ORU0549	JEFFERSON DESCHUTES RIV	121 16.6	550000	339.9	OP	0	0	0	0	0
5 DRC D	PORTLAND GENERAL ELECT	7600	339.9	247050	OP	247050	215042	0	0	0
OR5NPP0300	STEELHEAD FALLS	44 25.0	15.0	0	H	0	0	0	2599.4	0
ORU0396	JEFFERSON DESCHUTES RIV	121 16.9	160	284.7	IS	10904	61664	0	42.154	0
5 DRC D		2157	284.7	10904	IS	10904	61664	0	42.154	0
OR7NPP0301	WHITEWATER CREEK	44 40.4	78.0	0	H	0	0	0	3603.4	0
ORU0423	JEFFERSON METOLIUS RIVE	121 33.5	10200	259.7	IS	24116	205252	0	17.556	0
6 DRC D		300	259.7	24116	IS	24116	205252	0	17.556	0

PM 2 ID NO	PROJECT NAME	PRIMRY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. ENRG. ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	MY. STOR.	AVE. Q	PRM. HD.	TOT. CAP.	INC. ENRG.	ANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC
CODE	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
FILE	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
STATUS	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
OR6NPP0309	AMENT	JOSEPHINE	ROGUE RIVER	42 24.0	123 13.9	H	30.0	0	2847.2	(1000 \$)
5	DRC	I		2459	4000.0	IS	1150	12003	49,400	(\$/MWH)
OR7NPP0307	BALD MOUNTAIN	JOSEPHINE	ILLINOIS RIVER	42 24.0	123 57.5	H	125.0	0	4085.6	(1000 \$)
6	DRC	D		711	2500.0	IS	7000	37261	20,515	(\$/MWH)
OR6NPP0315	CLEAR CREEK	JOSEPHINE	ILLINOIS RIVER	42 23.2	123 50.1	HCIRD	500.0	0	10851	(1000 \$)
6	DRC	I		665	2000.0	IS	62000	152000	16,299	(\$/MWH)
OR6NPP0312	FALLS CREEK	JOSEPHINE	ILLINOIS RIVER	42 17.9	123 46.0	HCIRD	365.0	0	10041	(1000 \$)
6	DRC	D		567	1935.0	IS	2304000	106000	21,641	(\$/MWH)
OR6NPP2627	KERRY	JOSEPHINE	ILLINOIS RIVER	42 12.4	123 40.5	H	185.0	0	6138.6	(1000 \$)
5	DRC	D		380	1312.0	IS	100000	17707	94,735	(\$/MWH)
OR6NPP0314	MURPHY	JOSEPHINE	APLEGATE RIV	42 20.9	123 23.5	H	150.0	0	4060.1	(1000 \$)
5	DRC	I		698	725.0	IS	195000	18661	73,466	(\$/MWH)
OR6NPP2786	PEASE BRIDGE	JOSEPHINE	GRAVE CREEK	42 38.4	123 13.9	CI	150.0	0	2358.4	(1000 \$)
5	DRC	D		27	60.0	IS	35000	1300	406.62	(\$/MWH)
OR6NPP0316	RAMEY FALLS	JOSEPHINE	ROGUE RIVER	42 38.4	123 41.4	OH	345.0	0	8872.2	(1000 \$)
6	DRC	I		3719	5700.0	IS	750000	100000	20,633	(\$/MWH)
OR6NPP2773	SEXTON	JOSEPHINE	JUMPOFF JOE C	42 33.5	123 20.9	CI	185.0	0	1836.1	(1000 \$)
5	DRC	D		33	50.0	IS	43700	1400	306.3	(\$/MWH)

FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
ACTV DEP	PRIMRY CO. OWNER	DR.AREA	DR.AREA	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
CODE	FILE	(D M.M)	(D M.M)	AVE. G	(FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
STATUS	(SQ.MI)	(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
DR6NP0311	SUCKER CREEK	42 9.0	123 28.0	I9	230.0	5385	22906	3154.3	
5 DRC I	JOSEPHINE	76	210.0	203.7	40000	5385	22906	137.70	
DR6SPN0049	BEAR SPRINGS	42 5.9	122 4.2	HC	30.0	0	0	3574.1	
2 DRC I	KLAMATH RIVER AND LT.	4080	1688.0	SP	280000	31910	133675	26.737	
DR6NPP2782	CRESCENT CREEK	43 30.5	121 40.9	I8	75.0	1051	5740	2327.8	
5 DRC I	KLAMATH	185	108.0	74.9	32000	1051	5740	405.32	
DRGSPN0056	EAST AND WEST SIDES ON LINK	42 13.9	121 47.5	HC	60.0	4000	23000	0	
5 DFC I	KLAMATH	3610	1599.0	DP	462400	4000	23000	0	
DRGSPN0060	GERBER RESERVOIR	42 12.0	121 9.0	I8	86.0	0	0	0	
5 DRC I	KLAMATH MILLER CREEK	52000.0	63.0	SI	94000	0	0	0	
DRGSPN0055	J.C. BOYLE	42 0.0	122 0.0	HC	0	82000	442614	0	
5 DRC I	KLAMATH	3920	1876.0	OP	1900	82000	442614	0	
DRASPN0057	KEND	42 0.0	121 57.6	HC	300.0	0	0	3635.0	
2 DRC I	KLAMATH	3920	1688.0	SI	18500	126248	284482	12.777	
DR5NPP0317	ODELL LAKE	43 35.5	121 54.0	ISH	13.0	0	0	1947.1	
5 DRC D	KLAMATH	39	85.0	I9	20000	2168	14746	132.4	
DR6SPN0050	SALT CAVES	42 4.7	122 4.7	HC	120.0	0	0		
5 DRC I	KLAMATH	424.5	56.9	SP	120000	3077	14006	77752848	
	KLAMATH RIVER AND LT	120			424.5	3077	14006		



FM 2 ID NO	PROJECT NAME	PRIMRY CN.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG MANUL. COST	INC. ENRG ENERGY COST	ERC ECONOMIC	ERC NONECONOMIC
ACTV DEP	OWNER	DR. AREA	DR. AREA	MX. STOR.	MX. STOR.	AVE. Q	AVE. Q	TOT. CAP.	TOT. CAP.	TOT. ENRGY	TOT. ENRGY	(1000 \$)	(SEQUENCE RANK)
CODE	FILE	(D M.M)	(D M.M)	(AC FT)	(AC FT)	(CFS)	(FT)	(KW)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ. MI)	(SQ. MI)	(FT)	(FT)			(KW)	(KW)				(SEQUENCE RANK)
DR7NPP0334	BELKNAP (FERC)	LANE	MCKENZIE RIVE	44 13.6	122 3.5	H	270.0	0	42369	0	348818	15727	
5	DRC D			400	1690.0	IS	384.6	42369	42369	348818	348818	45.88	
DR7NPP0335	BELKNAP (USGS)	LANE	MCKENZIE RIVE	44 11.0	122 5.9	H	165.0	0	27778	0	218328	5619.6	
6	DRC D			232	1110.0	IS	65000	27778	27778	218328	218328	25.739	
DR4NPP2692	BLACK CANYON	LANE	MIDDLE FORK W	43 48.5	122 34.9	H	52.0	0	19234	0	79906	2896.2	
2	DRC I			928	2750.0	IS	4580	19234	19234	79906	79906	36.245	
DR0NPP0411	BLUE RIVER	LANE	BLUE RIVER	44 10.2	122 19.7	CR	270.0	0	8700	0	66000	634.81	
2	DRC I			88	476.0	OP	89000	8700	8700	66000	66000	9.6183	
DR7NPP0336	SQUILDER CREEK	LANE	MIDDLE FORK W	43 31.5	122 26.9	H	260.0	0	7000	0	48000	8814.3	
5	DRC D			223	800.0	IS	15000	7000	7000	48000	48000	183.463	
DR6NPP0340	CAMPERS FLAT	LANE	MIDDLE FORK W	43 30.0	122 24.0	H	485.0	0	92371	0	148501	13164	
5	DRC I			192	600.0	IS	474000	92371	92371	148501	148501	88.651	
DR5NPP0371	CHRISTY CREEK	LANE	N FK MID FK W	43 53.0	122 23.5	H	10.0	0	10066	0	64680	2024.9	
6	DRC I			187	600.0	IS	324.6	10066	10066	64680	64680	31.306	
DR5NPP0337	CORURG	LANE	MCKENZIE RIVE	44 6.5	122 2.4	H	11.0	0	17491	0	126685	4730.9	
5	DRC D			1337	5970.0	IS	510	17491	17491	126685	126685	37.343	
DR5NPP2779	COMBINATION (BLUE RIVER)	LANE	MCKENZIE RIVE	44 9.6	122 14.5	H	5.0	0	21733	0	176280	4054.3	
6	DRC E			544	2130.0	IS	139.8	21733	21733	176280	176280	22.999	

FM 2 ID NO	PROJECT NAME	LONGITUDE	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. OWNER	DR AREA	PHR. NO.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	FILE	(D M M)	(AC FT)	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITER
CODE	STATUS	(D M M)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
		(SD MI)	(CFS)	(KW)	(MWH)		(SEQUENCE RANK)
OR4NPP0394	COOK CREEK	44 14.4	105.0	0	0	1314.5	
5	ORU0640	122 13.9	3100	2600	11300	116.33	
	LANE	33	99.9	2600	11300		
ORCAPP0406	COTTAGE GROVE	43 42.8	95.0	0	0	126.39	
5	OR00005	123 3.1	48000	1264	6502	19.439	
	LANE	105	76.0	1264	6502		
ORINPP0413	COUGAR	44 7.3	473.0	25000	150000	1747.5	
2	OR00015	122 14.5	219278	35000	24500	71.327	
	LANE	208	440.0	60000	174500		
2	DFC I						
ORSNPP0341	DEERHORN	44 3.9	5.0	0	0	3801.8	
5	ORU0172	122 45.0	1	10378	77405	49.115	
	LANE	1057	39.9	10378	77405		
2	DFC D						
ORINPP0407	DEXTER REGULATOR DAM	43 50.3	72.5	15000	80000	858.57	
2	OR00006	122 48.8	27500	15000	17520	49.5	
	LANE	996	48.1	30000	97520		
2	DFC D						
OR6NPP2681	DISSTON	43 42.0	150.0	0	0	2782.0	
5	ORU0822	122 46.5	47000	7815	39878	69.762	
	LANE	138	149.8	7815	39878		
2	DFC I						
ORCAPP0409	DORENA	43 46.7	145.0	0	0	443.53	
2	OR00008	122 57.2	131000	5200	38000	11.671	
	LANE	265	105.8	5200	38000		
2	DFC I						
ORSNPP0395	EUGENE CREEK	44 3.5	80.0	0	0	1282.6	
6	ORU0650	122 0.4	2800	6063	32035	40.37	
	LANE	18	1278.7	6063	32035		
2	DFC D						
OR6NPP2778	EUGENE MUNICIPAL POWER SITE	44 7.8	153.0	0	0	6939.5	
6	ORU0827	122 28.4	109000	74161	324678	21.373	
	LANE	917	137.8	74161	324678		
2	DFC D						

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. Q	PWR. MD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
CODE	FILE	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS	(90.MI)	(PT)	(PT)	(MWH)	(MWH)	(MWH)		(SEQUENCE RANK)
ORCNP0008	FALL CREEK	43 56.8	CHINRSO	180.0	0	0	917.15	
ORCNP0007	LANE	122 45.3	OP	134000	15443	47939	19.131	
2 DRC I	DAEN NPP	180		169.0	15443	47939		
ORCNP0014	FERN RIDGE	44 6.9	CR	46.0	0	0	270.38	
ORCNP0016	LANE	123 17.4	OP	116900	4335	10059	26.878	
2 DRC I	DAEN NPP	275		37.8	4335	10059		
ORCNP00343	FOLLY RIDGE	44 10.0	H	295.0	0	0	18041	
ORCNP00182	LANE	122 7.0	IS	220000	68800	315121	57.253	
5 DRC D		356		289.7	68800	315121		
ORCNP00373	FOLLY SPRINGS	44 9.0	H	10.0	0	0	1937.8	
ORCNP00525	LANE	122 5.5	IS	1	8366	71941	26.936	
6 DRC I		135		279.7	8366	71941		
ORCNP002706	FRENCH PETE CREEK	44 2.3	H	167.0	0	0	2589.1	
ORCNP00267	LANE	122 12.4	IS	19000	7142	61197	42.307	
5 DRC D	SOUTH FORK MC	158		199.8	7142	61197		
ORCNP002707	FRISSEL CREEK	44 12.0	H	170.0	0	0	4272.7	
ORCNP00924	LANE	122 2.5	IS	28000	21906	122401	34.907	
6 DRC E		248		165.8	21906	122401		
ORCNP002705	FRYING PAN CREEK	43 50.9	H	80.0	0	0	1711.9	
ORCNP00832	LANE	123 25.5	IS	46000	3100	13500	126.80	
5 DFC I		100		65.9	3100	13500		
ORCNP002796	GATE CREEK	44 7.8	H	40.0	0	0	3505.6	
ORCNP00637	LANE	122 33.0	IS	4300	21530	96634	36.277	
6 DRC E		947		39.9	21530	96634		
ORCNP00338	GATE CREEK (CORPS OF ENGINEERS)	44 9.0	C	270.0	0	0	3112.2	
ORCNP00160	LANE	122 33.9	SI	60000	4769	20888	148.99	
5 DRC D	CORPS OF ENGINEERS-NPP	48		252.7	4769	20888		



PM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG.	ANUL. COST	ERC ECONOMIC
				NAME OF STREAM	DR. AREA	DR. AREA	(D M.H)	(D M.H)	AVG. Q	(CFS)	(KWH)	(KWH)	(KWH)	(1000 \$)	ERC NON-ECONOMIC
					(SQ.MI)	(SQ.MI)	(FT)	(FT)	(KWH)	(KWH)	(KWH)	(KWH)	(1000 \$)	(SEQUENCE RANK)	
0RSNPP0375				HALO CREEK	43.47.5	122 15.4	85	10.0	210.0	699.3	0	3060	26734	0	1218.8
5	DRC D			SALMON CREEK				1			3060	26734	0	45.590	
0RSNPP0396				HARVEY CREEK	44 5.9	121 58.4	17	10.0			0	7000	61000	0	1324.7
0RU0656				SEPERATION CR				1	200.0	849.1	7000	61000	0	21.717	
6	DRC D										7000	61000	0		
0RSNPP0330				HAYDEN BRIDGE	44 3.9	122 58.0		6.0			23941	178380	0	5621.3	
0RU0093				MCKENZIE RIVE				2	4640.0	89.9	23941	178380	0	31.478	
6	DRC D										23941	178380	0		
0RINPP0412				HILLS CREEK	43 42.6	122 26.0		304.0	CHYSRND		30000	170000	0	937.13	
0RU0014				MIDDLE FORK W				35600	FP		15000	15000	0	62.475	
2	DRC I			DAEN NPP				284.0	1138.0		45000	189000	0		
0R6NPP0397				HORSE CREEK (STORAGE)	44 8.2	122 3.5		375.0	HC		0	0	0	6290.1	
0RU0658				HORSE CREEK				85000	IS		33987	153715	0	40.395	
6	DRC D							374.6	490.0		33987	153715	0		
0RSNPP0345				HORSE CREEK DIVERSION	44 9.0	122 9.0		5.0	HC		0	0	0	2186.8	
0RU0196				HORSE CREEK				1	IS		9401	80686	0	27.102	
6	DRC I							299.7	490.0		9401	80686	0		
0R7NPP0374				HUCKLEBERRY CREEK (MILE 6.7)	43 46.9	122 24.4		340.0	H		0	0	0	4474.0	
0RU0526				N FK OF MID F				116000	IS		13325	83630	0	52.126	
5	DRC D							376.6	690.0		13325	83630	0		
0RSNPP0399				LAKES AREA DIVERSION	43 57.0	122 2.4		40.0	H		0	0	0	881.30	
0RU0667				SOUTH FORK MC				17	IS		3644	30013	0	29.363	
6	DRC I							999.0	65.0		3644	30013	0		
0RHNPP0416				LEASBURG DAM	44 8.2	122 36.4		25.0	H		13500	108900	0	3459.2	
0RU0553				MCKENZIE RIVE				345	IS		20000	105000	0	52.945	
2	DRC I			CITY OF EUGENE-WEW				89.5	4400.0		33500	213900	0		

PM 2 ID NO	PROJECT NAME	PRJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL.	COST	ERC ECONOMIC
PM 1 ID NO	PRIMARY CO. NAME OF STREAM	STATUS	MX. STOR.	INC. CAP.	INC. ENRGY	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRGY	(1000 \$)	ERC COMPOSITE
CODE		(FT)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(D M.M)	(AC FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS		(SQ. MI)	(FT)	(KW)	(MWH)		(SEQUENCE RANK)
OR6NPP0400	LOOKOUT CREEK	H	315.0	0	0	9139.6	
ORU0571	LANE	IS	173000	3008	14566	627.45	
5 DRC I	BLUE RIVER	IS	190.0	3008	14566		
ORINPP0410	LOOKOUT POINT	CINRRD	253.0	120000	330000	1993.4	
OR0009	LANE	FP	477900	40000	701	2843.6	
5 DFC I	DAEN NPP		232.9	160000	330701		
OR6NPP0344	LOOKOUT POINT 2 (UPPER LOOKO	CH	258.0	0	0	7404.1	
ORU0191	LANE	IS	582000	54000	100000	74.41	
6 DFC D	MIDDLE FK. WI	IS	2750.0	54000	100000		
OR5NPP0401	LOST CREEK	H	10.0	0	0	1767.0	
ORU0672	LANE	IS	1	12900	56600	31.219	
6 DFC I	LOST CREEK	IS	249.7	12900	56600		
OR6NPP0346	LOW MAPLETON	H	95.0	0	0	2625.3	
ORU0205	LANE	IS	35000	3256	16098	163.7	
5 DRC D	SIUSLAW RIVER	IS	74.9	3256	16098		
OR5NPP0347	MCKENZIE BRIDGE (DOWNSTREAM)	H	10.0	0	0	4058.3	
ORU0208	LANE	IS	0	31156	216499	18.745	
6 DRC E	MCKENZIE RIVER	IS	224.7	31156	216499		
OR5NPP2719	MCKENZIE BRIDGE (UPSTREAM)	H	50.0	0	0	4609.0	
ORU0865	LANE	IS	5500	35718	268994	17.134	
6 DRC D	MCKENZIE RIVER	IS	289.7	35718	268994		
OR5NPP0348	MESA CREEK	H	10.0	0	0	2114.7	
ORU0212	LANE	IS	1	36400	159300	13.275	
6 DFC D	MESA CREEK	IS	1448.5	36400	159300		
OR6NPP0349	MILE 56	H	315.0	0	0	8856.1	
ORU0213	LANE	IS	260000	23147	84989	104.20	
5 DRC I	MIDDLE FORK W	IS	181.8	23147	84989		





PM 2 ID NO	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO. OWNER	LONGITUDE	STATUS	MX. STUR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
FILE	DR. AREA	(D M. M)	AVE. Q	(FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
STATUS	(D M. M)	(SQ. MI)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
OR6NPP0353	SAND PRAIRIE	43 36.5	HC	460.0	118320	190229	25561	(SEQUENCE RANK)
5 DRC D	MIDDLE FORK	122 26.9	IS	836800	118320	190229	134.37	(SEQUENCE RANK)
OR4NPP2772	SCOTT CREEK DAM	44 11.4	H	40.0	0	0	5361.6	(SEQUENCE RANK)
ORU0925	MCKENZIE RIVE	122 2.5	IS	1800	37963	168572	31.806	(SEQUENCE RANK)
6 DRC E	MIDDLE FORK	1690	IS	38.9	37963	168572	5361.6	(SEQUENCE RANK)
OR5NPP0404	SEPARATION CREEK	44 7.5	H	20.0	0	0	1561.7	(SEQUENCE RANK)
ORU0697	HORSE CREEK	122 1.9	IS	53	8359	36888	42.337	(SEQUENCE RANK)
6 DRC D	HORSE CREEK	45	IS	739.2	8359	36888	1561.7	(SEQUENCE RANK)
OR5NPP0354	SOUTH FORK	44 9.0	H	15.0	0	0	5735.7	(SEQUENCE RANK)
ORU0235	MCKENZIE RIVE	122 18.9	IS	1	65400	286600	20.13	(SEQUENCE RANK)
6 DFC D	MCKENZIE RIVE	701	IS	139.8	65400	286600	5735.7	(SEQUENCE RANK)
OR5NPP0405	STALEY CREEK	43 30.3	H	25.0	0	0	1847.8	(SEQUENCE RANK)
ORU0699	MIDDLE FORK	122 18.0	IS	270	6500	46000	40.170	(SEQUENCE RANK)
5 DFC D	MIDDLE FORK	108	IS	389.6	6500	46000	1847.8	(SEQUENCE RANK)
OR6NPP0339	STRUBE REREGULATING DAM	44 8.6	H	55.0	0	0	2203.1	(SEQUENCE RANK)
ORU0166	S FORK MCKENZ	122 14.3	DM	3500	4600	21300	103.43	(SEQUENCE RANK)
2 DFC S	DAEN NPP	210	DM	25.9	4600	21300	2203.1	(SEQUENCE RANK)
OR5NPP0355	SWIFT CREEK	43 28.4	H	45.0	0	0	1661.6	(SEQUENCE RANK)
ORU0238	MIDDLE FORK	122 14.5	IS	240	7000	42000	39.863	(SEQUENCE RANK)
2 DFC I	MIDDLE FORK	41	IS	799.2	7000	42000	1661.6	(SEQUENCE RANK)
OR7NPP0366	SWISSHOME	44 3.5	RCIH	285.0	0	0	5677.9	(SEQUENCE RANK)
ORU0401	SIU SLAW RIVER	123 48.0	IS	56200	8199	34107	166.46	(SEQUENCE RANK)
5 DRC I	SIU SLAW RIVER	224	IS	299.7	8199	34107	5677.9	(SEQUENCE RANK)
OR7NPP0356	THREE SISTERS	44 5.9	H	100.0	0	0	1370.0	(SEQUENCE RANK)
ORU0241	SEPARATION CR	121 52.5	IS	5300	9100	79700	17.190	(SEQUENCE RANK)
6 DFC D	SEPARATION CR	5	IS	1298.7	9100	79700	1370.0	(SEQUENCE RANK)

PM 2 ID NO	PROJECT NAME	ACTV DEP	FILE	STATUS	OR6NPP2758	ORU0205	2 DRC E	OR7NPP0326	ORP0008	5 DRC D	OR7NPP2671	ORP0020	5 DRC D	OR6NPP0357	ORU0246	6 DFC E	OR6NPP0361	ORU0537	5 DFC I	OR7NPP0367	ORU0414	5 DRC D	OR7NPP0368	ORU0415	5 DRC D	OR5NPP2716	ORU0912	6 DFC E	OR5NPP0358	ORU0252	6 DFC D
PM 1 ID NO	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	HYD. STOR.	PR. HD.	TOT. CAP.	(KW)	(MWH)	(1000 \$)	ANUL. COST	ERC ECONOMIC															
ACTV DEP	OWNER	DR. AREA	(D M.M)	(D M.M)	(SQ. MI)	(CFS)	(AC FT)	(AC FT)	(FT)	(FT)	(KW)	(MWH)	(1000 \$)	ANUL. COST	ERC ECONOMIC																
CODE	FILE	STATUS	OR6NPP2758	ORU0205	2 DRC E	OR7NPP0326	ORP0008	5 DRC D	OR7NPP2671	ORP0020	5 DRC D	OR6NPP0357	ORU0246	6 DFC E	OR6NPP0361	ORU0537	5 DFC I	OR7NPP0367	ORU0414	5 DRC D	OR7NPP0368	ORU0415	5 DRC D	OR5NPP2716	ORU0912	6 DFC E	OR5NPP0358	ORU0252	6 DFC D		
	THURSTON RESERVOIR	MCKENZIE RIVER	44 3.5	122 53.5	C	160.0	640000	102645	102645	0	0	449396	15181	33.781																	
	LANE		1130		IS	154.8		102645			449396	33.781																			
	TRIANGLE LAKE (HIGH)	LAKE CREEK	44 10.0		H	75.0		4272	4272	0	0	16751	2833.4	169.14																	
	LANE		52		IS	334.6		4272			16751	169.14																			
	TRIANGLE LAKE (LOW)	LAKE CREEK	44 9.6		H	46.0		3571	3571	0	0	13754	2156.9	156.81																	
	LANE		50		IS	279.7		3571			13754	156.81																			
	TWISTY CREEK	MCKENZIE RIVER	44 12.4		H	332.0		46000	46000	0	0	160000	6477.3	40.483																	
	LANE		248		IS	326.6		46000			160000	40.483																			
	UPPER NORTH FORK	N FK MID FK	43 53.4		H	560.0		20000	20000	0	0	69000	11100	160.87																	
	LANE		115		IS	313.6		20000			69000	160.87																			
	UPPER SIUSLAW-HIGH	SIUSLAW RIVER	44 3.5		H	175.0		5531	5531	0	0	27813	3445.3	123.87																	
	LANE		353		IS	229.7		5531			27813	123.87																			
	UPPER SIUSLAW-LOW	SIUSLAW RIVER	44 3.5		H	175.0		4329	4329	0	0	21767	2897.1	133.9																	
	LANE		353		IS	179.6		4329			21767	133.9																			
	VIDA	MCKENZIE RIVER	44 7.8		H	5.0		30000	30000	0	0	240000	6587.8	27.449																	
	LANE		89		IS	199.6		30000			240000	27.449																			
	VIDA DIVERSION	MCKENZIE RIVER	44 8.4		H	5.0		63800	63800	0	0	279600	6147.1	21.985																	
	LANE		931		IS	104.8		63800			279600	21.985																			



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	AVE. Q	PHR. MD.	TOT. CAP.	TOT. ENRG	INC. CAP.	INC. ENRG	ENERGY COST	(1000 \$)	(SEQUENCE RANK)
CODE	DR AREA	(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(KW)	(MWH)	(\$/MWH)		(SEQUENCE RANK)
FILE	(D M.M)	(SQ.MI)	(FT)	(KW)	(MWH)	(MWH)	(KW)	(MWH)			(SEQUENCE RANK)
STATUS	(D M.M)	(SQ.MI)	(FT)	(KW)	(MWH)	(MWH)	(KW)	(MWH)			(SEQUENCE RANK)
0R6NPP2676	FALLS NUMBER 1	H	44 51.5	123 43.9	IS	18719	0	0	3926.1		
5	ORU0A28	LINCOLN	83	676.0	18719	47170	47170	47170	83.231		
0R6NPP0420	HOLMAN CREEK	H	44 50.9	123 45.0	IS	19900	0	0	3005.2		
6	ORU0195	LINCOLN	87	770.0	19900	87100	87100	87100	34.503		
0R7NPP2670	SALMON	H	45 0.0	123 52.9	IS	5800	0	0	2947.1		
5	ORU0695	LINCOLN	24	120.0	5800	25600	25600	25600	115.12		
0R6NPP0432	SAM CREEK	H	44 43.4	123 50.0	IS	20911	0	0	5408.8		
5	ORU0696	LINCOLN	195	1480.0	20911	80514	80514	80514	67.179		
0R6NPP0424	SCOTT MOUNTAIN	H	44 26.0	123 32.1	IS	130379	0	0	11304		
6	ORU0387	LINCOLN	321	1475.0	130379	257950	257950	257950	43.822		
0R6NPP2775	SLICK ROCK CREEK	H	44 27.6	123 54.1	IS	4772	0	0	2669.3		
5	ORU0697	LINCOLN	42	220.0	4772	20431	20431	20431	130.64		
0R6NPP2792	SUNSHINE CREEK (RESERVOIR)	H	44 47.3	123 46.9	IS	15100	0	0	4664.3		
5	ORU0901	LINCOLN	119	996.0	15100	66300	66300	66300	70.351		
0R7NPP0425	SUNSHINE CREEK (DIVERSION)	H	44 46.9	123 46.9	IS	13847	0	0	3114.2		
5	ORU0399	LINCOLN	109	900.0	13847	85244	85244	85244	36.532		
0R7NPP0426	THE FALLS	H	44 51.5	123 43.9	IS	13774	0	0	3555.5		
6	ORU0404	LINCOLN	75	700.0	13774	43280	43280	43280	82.152		





FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
PM 1 ID NO	PRIMARY CO. - NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. G	PRR. NO.	TOT. CAP.	TOT. ENRG	ERC COMPOSITE
CODE		(D M.M)	(CFS)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
FILE		(D M.M)	(CFS)	(CAC FT)	(KW)	(MWH)	(SEQUENCE RANK)
STATUS		(SQ.MI)	(FT)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
OR7NPP0453	CASCADIA (DIVERSION)	44 24.0	H	235.0	0	0	4161.7
DRU0630	LINN	122 33.9	IS	166200	12360	74306	56.
5 DRC D	SOUTH SANTIAM	181		319.6	12360	74306	
OR5NPP0455	CHIMNEY PEAK	44 30.0	H	15.0	0	0	1831.8
DRU0637	LINN	122 16.0	IS	280	6734	44860	40.835
5 DRC D	MIDDLE SANTIAM	52		439.5	6734	44860	
OR4NPP2781	CRABTREE CREEK	43 35.9	RI	67.0	0	0	1428.5
DRU0618	LINN	122 42.4	IS	4020	2600	11200	127.54
5 DFC I	CRABTREE CREEK	65		251.0	2600	11200	
OR1NPP0465	DETROIT	44 43.0	HNCI	383.0	100000	367745	2071.8
OR00004	LINN	122 15.0	OP	472800	50000	123000	16.844
2 DFC I	NORTH SANTIAM	438		361.4	150000	490745	
OR5NPP0456	FISH LAKE	44 23.0	H	10.0	0	0	973.71
DRU0651	LINN	121 58.9	IS	1	3300	14600	66.692
5 DFC D	MCKENZIE RIVE	55		87.9	3300	14600	
OR1NPP0467	FOSTER REREGULATION DAM	44 24.8	HCRIND	126.0	20000	110000	932.80
OR00012	LINN	122 39.8	OP	60700	10000	27200	34.294
2 DFC I	SOUTH SANTIAM	494		114.4	30000	137200	
OR1NPP0466	GREEN PETER	44 27.4	CHRIND	327.0	80000	230000	1743.6
DR00010	LINN	122 31.5	OP	450000	40000	114000	15.295
2 DFC I	MIDDLE SANTIAM	277		317.8	120000	344000	
OR6NPP0443	HOLLEY (CORPS OF ENGINEERS)	44 20.9	C	160.0	0	0	3801.9
DRU0162	LINN	122 46.9	SI	131000	5360	23620	160.95
5 DRC D	CALAPOOYA RIVA	105		129.8	5360	23620	
OR6NPP2784	JORDAN	44 43.2	IC	130.0	0	0	2882.3
DRU0450	LINN	122 42.4	IS	55000	5547	25579	112.68
5 DRC I	THOMAS CREEK	70		126.8	5547	25579	

FM 2 ID NO	PROJECT NAME	PRIMRY CO.	NAME OF STREAM	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	INC. ENRGY	ANUL. COST	ERC ECONOMIC
ACTV DEP	FILE	STATUS	DR. AREA	(D M.M)	(D M.M)	(SQ. MI)	(CFS)	(AC FT)	(FT)	(KW)	(KW)	(1000 \$)	ERC NONECONOMIC
ORGNPPO435	ORP0015	DFC D	SOUTH SANTIAM	123 0.0	CP	0	0	0	0	0	0	0	ERC COMPOSITE
5	DFC D	PACIFIC POWER AND LIGHT	123 0.0	CP	0	10.0	0	0	0	0	0	0	ERC COMPOSITE
OR5NPP0458	ORU0570	5	LOG POND	WILEY CREEK	44 23.4	122 39.0	IS	10.0	0	0	0	867.68	(SEQUENCE RANK)
5	DFC D	5	122 39.0	IS	52	154.8	230.0	1	1581	9017	9017	96.227	(SEQUENCE RANK)
OR5NPP2743	ORU0863	6	LOWER FALLS	MCKENZIE RIVER	44 19.1	122 1.0	IS	45.0	0	0	0	2222.4	(SEQUENCE RANK)
6	DFC I	6	122 1.0	IS	146	269.7	500.0	113	9838	82972	82972	26.785	(SEQUENCE RANK)
OR6NPP0444	ORU0206	5	LYONS	LITTLE NORTH	44 46.9	122 25.5	IS	290.0	0	0	0	6955.0	(SEQUENCE RANK)
5	DFC I	5	122 25.5	IS	93	284.7	660.0	290000	96537	113938	113938	61.41	(SEQUENCE RANK)
OR5NPP0445	ORU0211	6	MEHAMA NUMBER 2	NORTH SANTIAM	44 48.5	122 43.9	IS	20.0	0	0	0	4747.2	(SEQUENCE RANK)
6	DFC D	6	122 43.9	IS	655	149.8	3330.0	800	26237	180078	180078	26.362	(SEQUENCE RANK)
OR5NPP0459	ORU0675	5	MIDDLE FALLS(KOOSAH)	MCKENZIE RIVER	44 19.5	122 0.4	IS	25.0	0	0	0	909.56	(SEQUENCE RANK)
5	DFC D	5	122 0.4	IS	95	134.8	900.0	136	2204	12644	12644	71.934	(SEQUENCE RANK)
OR6NPP0446	ORU0215	5	MINTO	NORTH SANTIAM	44 42.0	121 58.4	IS	255.0	0	0	0	4863.3	(SEQUENCE RANK)
5	DFC I	5	121 58.4	IS	124	219.7	505.0	150000	18000	73000	73000	66.621	(SEQUENCE RANK)
OR5NPP0438	ORU0133	5	PACKERS GULCH	QUARTZVILLE C	44 31.5	122 26.4	IS	80.0	0	0	0	1857.9	(SEQUENCE RANK)
5	DFC D	5	122 26.4	IS	80	279.7	500.0	1800	6734	40438	40438	45.945	(SEQUENCE RANK)
OR7NPP0447	ORU021	5	PATERSON	SOUTH SANTIAM	44 23.4	122 26.4	IS	190.0	0	0	0	3657.4	(SEQUENCE RANK)
5	DFC I	5	122 26.4	IS	77	380.0	380.0	16000	18000	64000	64000	57.146	(SEQUENCE RANK)

FM 2 ID NO	PROJECT NAME	LATITUDE	DAM HT	EXIST. CAP.	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. OWNER	LONGITUDE	PURP.	INC. CAP.	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	STATUS	DR AREA	MX STUR.	TOT. CAP.	TOT. ENERGY	ERC COMPOSITE
CODE	FILE	(D M.M)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
STATUS	(80.MI)	(FT)	(CFS)	(KW)	(MWH)	(SEQUENCE RANK)
DR7NPP0488	PATTERSON (UPPER)	44 25.4	H	300.0	0	6143.6
DRU0222	LINN	122 22.9	IS	56000	101200	60.707
5 DFC D	SOUTH SANTIAM	82	IS	380.0	101200	
DR6NPP2770	SAWMILL SITE	44 35.9	RCI	0	0	3015.5
DRU0893	LINN	122 40.0	IS	9400	23441	128.64
5 DRC I	CRABTREE CREEK	66	IS	248.0	23441	
DRJNPP0469	SMITH DAM (CARMEN-SMITH DIVE)	44 18.3	H	225.0	101600	1403.4
DR00541	LINN	122 2.7	OP	15000	27400	51.220
2 DFC I	CITY OF EUGENE	123	OP	660.0	129000	
DR5NPP0462	SODA FORK	44 24.0	H	10.0	0	760.11
DRU0698	LINN	122 16.9	IS	1	13983	54.358
5 DRC D	SOUTH SANTIAM	23	IS	105.0	13983	
DR6NPP0449	SWEET HOME	44 24.4	H	45.0	0	2945.0
DRU0237	LINN	122 45.0	IS	20000	59698	49.332
5 DRC I	SOUTH SANTIAM	580	IS	2890.0	59698	
DR6NPP2757	THOMAS CREEK	44 42.0	RCI	115.0	0	2564.5
DRU0904	LINN	122 33.9	IS	17600	17615	145.58
5 DRC I	THOMAS CREEK	55	IS	227.0	17615	
DR5NPP0450	TOM CREEK (DIVERSTON)	44 42.4	H	10.0	0	3511.8
DRU0282	LINN	122 7.0	IS	1	166668	21.70
2 DRC D	NORTH SANTIAM	178	IS	820.0	166668	
DR6NPP0463	TOM CREEK (RESERVOIR)	44 42.4	CH	468.0	0	11863
DRU0704	LINN	122 7.0	IS	380000	272877	43.475
2 DRC E	NORTH SANTIAM	216	IS	2341.0	272877	
DRINPP0468	TRAIL BRIDGE DAM	44 16.1	H	98.0	47135	0
DR00540	LINN	122 5.9	DP	2750	0	0
5 DRC I	CITY OF EUGENE (WEB)	184	DP	1000.0	47135	

PM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. OWNER	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG ENERGY COST	ERC NONECONOMIC
ACTV DEP	DR. AREA	(D M. N)	(FT)	(KWH)	TOT. CAP.	TOT. ENRG	ERC COMPOSITE
CODE	(D M. N)	(M.M)	(AC FT)	(KW)	(KWH)	(S/MWH)	(SEQUENCE RANK)
FILE	(S.M)	(CFS)	(FT)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)
STATUS							
OR6NPP0451	UPPER FALLS (SAHALIE FALLS)	44 19.9	H	5.0	0	0	1223.8
ORU0249	LINN	121 59.5	IS	1	5593	25545	47.907
5 DRC D	MCKENZIE RIVER	121 93	IS	485.0	5593	25545	
OR6NPP2761	WATERLOO NUMBER 3	44 30.5	C	150.0	0	0	13765
ORU0914	LINN	122 52.0	IS	465000	68200	298600	46.98
6 DFC I	SOUTH SANTIAM	122 690	IS	2990.0	68200	298600	
OR6NPP0452	WILEY CREEK	44 21.9	NCIH	295.0	0	0	3470.8
ORU0255	LINN	122 37.0	IS	94770	4743	20519	169.15
5 DRC D	WILEY CREEK	52	IS	230.0	4743	20519	
OR6NPP0436	WILLAMETTE PAPER	44 32.9	H	0	192	800	0
ORP0622	LINN	122 54.0	OP	0	0	0	0
4 DFA I	UNKNOWN			10.0	192	800	
OR6NPP0434	AGENCY VALLEY DAM	43 54.6	ICR	110.0	0	0	72.167
ORU0589	MALHEUR	118 9.4	DP	66000	629	3314	21.776
5 DRC I	DOI USBR	440		82.9	629	3314	
OR6NPP0425	ANTELOPE DAM	42 54.4	I	56.0	0	0	104.67
ORU0122	MALHEUR	117 14.1	DP	35900	1299	3335	31.380
2 DRC I	JORDAN VALLEY IRR DIST	440		48.9	1299	3335	
OR6NPP0436	AROCK	42 53.0	H	80.0	0	0	1677.6
ORU0017	MALHEUR	117 35.0	IS	6640	2862	15666	107.8
5 DRC I	JORDAN CREEK	1133		461.5	2862	15666	
OR6NPP0417	BLACKJACK BUTTE	43 41.4	H	45.0	0	0	6852.9
ORU0028	MALHEUR	117 5.2	IS	192440	22818	164592	41.635
2 DRC I	SNAKE RIVER	43110		29.9	22818	164592	
OR6NPP0422	BOGUS CREEK	43 6.5	H	320.0	0	0	4867.3
ORU0718	MALHEUR	117 41.9	IS	864900	2360	8717	558.34
5 DRC I	OYHEE RIVER	10222		306.6	2360	8717	

PM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG. MANUL. COST	INC. CAP.	INC. ENRG. COST	ERC ECONOMIC	ERC NON-ECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. G	STATUS	MX. STOR.	MX. STOR. HD.	TOT. CAP.	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	(\$/MWH)
CODE	FILE	(D.M.M)	(S.M.I)	(CFS)	(AC FT)	(AC FT)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(1000 \$)	(\$/MWH)
STATUS		(89.MI)	(CFS)	(AC FT)	(AC FT)	(AC FT)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(1000 \$)	(\$/MWH)
ORCNPW0432	BULLY CREEK DAM	BULLY CREEK	44 1.7	ICR	121.0	38900	0	0	0	0	0	0	0
OR00578	MALHEUR	BULLY CREEK	117 23.6	DP	58900	95.9	0	0	0	0	0	0	0
5 DRC I	DOI USBR		560		42.0								
OR6NPW0435	DUNCAN FERRY												
ORU0003	MALHEUR	OWYHEE RIVER	42 54.0	HIC	216.0		0	0	0	0	0	7332.9	73.849
5 DRC I			117 41.9	IS	1100000		72761	99295	99295	99295	99295	73.849	
			9543		1080.0		72761	99295	99295	99295	99295	73.849	
OR6NPW0416	MAHOGANY												
ORU0020	MALHEUR	OWYHEE RIVER	43 12.2	H	250.0		0	0	0	0	0	3100.7	420.69
5 DRC I			117 32.3	IS	169400		1830	7370	7370	7370	7370	420.69	
			10384		229.7		1830	7370	7370	7370	7370	420.69	
ORCNPW0430	MALHEUR DAM												
OR00390	MALHEUR	WILLOW CREEK	44 21.1	I	110.0		0	0	0	0	0	62.509	29.398
5 DRC I	ORCHARDS WATER CO		117 40.2	DP	41000		389	2126	2126	2126	2126	62.509	29.398
			300		67.9		389	2126	2126	2126	2126	62.509	29.398
					-111.3								
OR6NPW0418	MCLOUGHLIN												
ORU0054	MALHEUR	MALHEUR RIVER	43 57.0	MI	10.0		0	0	0	0	0	612.11	92.170
5 DRC I			117 28.3	IS	90		1057	6641	6641	6641	6641	612.11	92.170
			3032		224.7		1057	6641	6641	6641	6641	612.11	92.170
OR6NPW0419	NAMAR												
ORU0055	MALHEUR	MALHEUR	43 46.9	MI	10.0		0	0	0	0	0	1437.7	67.372
5 DRC I			117 43.0	IS	90		4646	21340	21340	21340	21340	1437.7	67.372
			2624		424.5		4646	21340	21340	21340	21340	1437.7	67.372
					360.0								
ORCNPW0433	OWYHEE DAM												
OR00582	MALHEUR	OWYHEE RIVER	43 38.6	ICR	417.0		0	0	0	0	0	3898.8	61.70
2 DRC I	DOI USBR		117 46.9	DP	1120000		187029	63842	63842	63842	63842	3898.8	61.70
			11160		408.5		187029	63842	63842	63842	63842	3898.8	61.70
					-378.4								
OR7NPW0420	RESERVOIR NUMBER TWO												
ORU0056	MALHEUR	SOUTH FORK MA	43 41.2	MI	110.0		0	0	0	0	0	1712.7	450.16
5 DRC I			118 5.0	IS	22500		827	3804	3804	3804	3804	1712.7	450.16
			692		299.7		827	3804	3804	3804	3804	1712.7	450.16
					105.0								
OR6NPW0409	RIVERSIDE												
ORU0057	MALHEUR	SOUTH FORK MA	43 27.2	MI	10.0		0	0	0	0	0	456.84	122.87
5 DRC I			118 11.0	IS	90		825	3718	3718	3718	3718	456.84	122.87
			382		499.5		825	3718	3718	3718	3718	456.84	122.87
					60.0		825	3718	3718	3718	3718	456.84	122.87

PM 2 ID NO	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC			
PM 1 ID NO	PRIMARY CD.	NAME OF STREAM	DR.AREA	LONGITUDE	STATUS	AVG. Q	WHR. HD.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	(D.M.M)	(CF8)	(AC FT)	(KW)	(MWH)	(1000 \$)	TOT.ENERG	(\$/MWH)	(SEQUENCE RANK)	ERC COMPOSITE
CODE	FILE	(D.M.M)	(80.MI)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)	(MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
STATUS		(80.MI)	(FT)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)	(MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
DR6NPP0415	SOLDIER CREEK	42 44.2		425.0	H	0	0	0	18983		
DRU0018	MALHEUR	117 21.3		45350	IS	213638	150028	150028	126.34		
5 DRC I		6063		400.5		213638					
DR6NPP0437	THREE FORKS	42 32.9		420.0	H	0	0	0	10394		
DRU0019	MALHEUR	117 10.2		100000	IS	158802	130402	130402	79.714		
5 DRC I		6063		388.6		158802					
DR4NPP0421	UPPER OWYHEE LAKE	43 16.3		100.0	HI	0	0	0	2315.9		
DRU0059	MALHEUR	117 28.4		53820	IS	10	30	30	75905		
5 DRC I		10384		84.9		10					
DR6NPP0424	WARMSPRINGS DAM	43 35.1		100.0	ICR	0	0	0	87.728		
DRU0082	MALHEUR	118 12.5		192400	DP	904	2913	2913	30.109		
5 DRC I		440		88.9		904					
DR5NPP0472	AUMSVILLE	44 50.9		20.0	H	0	0	0	7797.5		
DRU0074	MARTON	122 50.0		53	IS	51680	226400	226400	34.441		
6 DFC I		670		100.0		51680					
DR6NPP0483	BYARS CREEK	44 45.5		420.0	CH	0	0	0	5465.1		
DRU0258	MARTON	122 5.9		179000	IS	18477	86966	86966	62.842		
5 DRC D		104		299.7		18477					
DR7NPP0490	BYARS CREEK DIVERSION	44 45.5		300.0	H	0	0	0	4303.6		
DRU0519	MARTON	122 5.9		106000	IS	12222	83722	83722	51.403		
5 DRC D		103		429.5		12222					
DR6NPP0475	CANYON CREEK	44 47.9		335.0	H	0	0	0	5522.0		
DRU0155	MARTON	122 22.5		152000	IS	22000	76000	76000	72.658		
5 DFC I		74		334.6		22000					
DR4NPP0491	DEL AIRE RANCH	45 59.0		90.0	CIR	0	0	0	937.32		
DRU0522	MARTON	122 35.0		3550	IS	1368	5994	5994	156.37		
5 DFC I		30		66.4		1368					

PM 2 ID NO	PM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	INC. ENRG	ENERGY COST	ERC NONECONOMIC	TOT. ENRG	(MWH)	(1000 \$)	(S/MWH)	(SEQUENCE RANK)	
0R7NPP0484	0R10275	6	DRC E		ELKHORN (DIVERSION)	MARTON	LITTLE NORTH	44 47.9	122 28.0	HCI	240.0	0	13410	80098	0	4848.1	0	80098	0	0	0	0	0	0	0
0R6NPP0485	0R10276	6	DRC I		ELKHORN (RESERVOIR)	MARTON	LITTLE NORTH	44 44.0	122 24.0	HIC	230.0	0	16900	74000	0	4337.5	0	74000	0	0	0	0	0	0	0
0R6NPP0489	0R10451	5	DRC D		GRANGE	MARTON	SILVER CREEK	44 52.5	122 42.5	CIR	275.0	0	2572	11268	0	3000.2	0	11268	0	0	0	0	0	0	0
0R5NPP0476	0R10198	5	DRC D		HOT SPRINGS	MARTON	BREITENBUSH R	44 46.5	122 1.0	H	10.0	0	4190	28507	0	1306.4	0	28507	0	0	0	0	0	0	0
0R6NPP2730	0R10618	4	DFA I		MARTON INVESTMENT	MARTON	NORTH SANTIAM	44 47.9	122 46.9	H	0	900	0	3900	0	0	0	3900	0	0	0	0	0	0	
0R5NPP0477	0R10210	5	DRC D		MEHAMA	MARTON	NORTH SANTIAM	44 47.5	122 36.4	H	15.0	0	13348	95798	0	4140.7	0	95798	0	0	0	0	0	0	0
0R5NPP0473	0R10116	6	DRC E		MEHAMA DIVERSION	MARTON	NORTH SANTIAM	44 46.9	122 38.6	H	10.0	0	40000	210000	0	5912.1	0	210000	0	0	0	0	0	0	0
0R6NPP2721	0R10090	2	DRC E		MTLL CITY	MARTON	NORTH SANTIAM	44 45.0	122 22.5	H	50.0	0	14745	64533	0	2676.2	0	64533	0	0	0	0	0	0	0
0R5NPP2722	0R10867	2	DRC D		MTLL CITY DIVERSION (RIGHT BANK)	MARTON	NORTH SANTIAM	44 45.5	122 31.9	H	1.0	0	60000	272900	0	5627.1	0	272900	0	0	0	0	0	0	0



FM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	DR.AREA	AVE. G	PHR. WD.	TOT. CAP.	TOT.ENERGY	(1000 \$)	ERC COMPOSITE
CODE	(D M.M)	(AC FT)	(KWH)	(KWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE	(90.MI)	(PT)	(KWH)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS	(CFS)	(PT)	(KWH)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
DR5NPP0478	NIAGARA	H	65.0	0	0	7186.3	
DRU0216	MARTON	IS	2650	137500	602100	11.935	
2 DFC E			342.0	137500	602100		
DR5NPP0479	NORTH SANTIAM	H	10.0	0	0	5336.8	
DRU0218	MARTON	IS	1	13000	390000	13.684	
2 DFC E			341.6	13000	390000		
DR5NPP0502	SALEM	H	10.0	0	0	4706.4	
DRU0694	MARTON	IS	38	22319	133291	30.702	
6 DRC I			124.8	22319	133291		
DR6NPP0492	SCOTTS HILLS	CIR	260.0	0	0	3260.8	
DRU0539	MARTON	IS	78000	3237	9798	352.81	
5 DFC D			239.7	3237	9798		
DR6NPP2809	SILVER CREEK DAM	S	75.0	0	0	169.71	
DRP0023	MARTON	OP	1000	1550	6800	24.958	
2 DFC I	SILVERTON, OREGON		58.9	1550	6800		
DR6NPP0487	SILVERCREST	CIR	110.0	0	0	1182.3	
DRU0440	MARTON	IS	8700	2448	10722	110.27	
2 DFC I			109.8	2448	10722		
DR6NPP0471	STAYTON	H	0	600	4000	0	
DRP0619	MARTON	OP	0	0	0	0	
4 DFA I	PACIFIC POWER + LIGHT		15.0	600	4000		
DR6NPP0481	TUNNEL CREEK	CH	295.0	0	0	4556.3	
DRU0244	MARTON	IS	170000	20167	103877	43.862	
2 DRC I			224.7	20167	103877		
DR5NPP0482	TURNER-NORTH SANTIAM DIVERSI	H	2.0	0	0	5640.2	
DRU0245	MARTON	IS	1	56800	249000	22.631	
6 DFC I			110.0	56800	249000		



FM 2 ID NO	PROJECT NAME	PRJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANNU. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	STATUS	MX STUR.	INC. CAP.	INC. ENRGY	ERC COMPOSITE
ACTV DEP	OR. AREA	AVE. G	PR. HD.	TOT. CAP.	TOT. ENRGY	(1000 \$)
CODE CODE	(D M.M)	(FT)	(KWH)	(KWH)	(KWH)	(\$/MWH)
FILE	(D M.M)	(AC FT)	(KWH)	(KWH)	(KWH)	(SEQUENCE RANK)
STATUS	(80.MI)	(FT)	(KWH)	(KWH)	(KWH)	(SEQUENCE RANK)
DR7NPP0518	GORGE	HC	272.0	0	0	2838.3
DRP0193	MILL CREEK/SO	IS	33000	1530	9778	290.27
5 DRC D	DDI USBR	IS	349.6	1530	9778	
DR6NPP0519	GRAVEL CREEK	H	255.0	0	0	4235.5
DRU0090	SILETZ RIVER	IS	187500	26600	116500	36.357
6 DRC E			249.7	26600	116500	
DR6NPP2739	LEWISVILLE	NIC	72.0	0	0	3020.7
DRU0659	LITTLE LUCKIA	IS	100000	3400	14800	208.10
5 DFC I			56.9	3400	14800	
DR6NPP0525	MERCER DAM	S	71.0	0	0	44.191
DR00524	POLK	OP	2000	21	188	234.4
5 DRC I	CITY OF DALLAS		70.9	21	188	
DR6NPP0524	PENEE	CI	115.0	0	0	3932.9
DRU0684	POLK	IS	60000	17629	48874	80.470
2 DRC I			105.8	17629	48874	
DR6NPP0520	SEEKAY	H	150.0	0	0	1980.3
DRU0234	POLK	IS	10000	3300	14600	135.64
5 DFC I			109.8	3300	14600	
DR7NPP0526	VALSETZ LAKE DAM (VALSETZ)	0	103.0	0	0	2545.0
DR00598	POLK	IS	103000	4700	20500	124.14
5 DFC D	BOISE CASCADE CORP		220.0	4700	20500	
DR6NPP0521	WALLACE BRIDGE	CI	109.0	0	0	2769.3
DRU0448	POLK	IS	110900	2027	10216	271.6
5 DRC I			69.9	2027	10216	
DR6NPP2696	BULL BASIN	I	120.0	0	0	6147.4
DRU0809	SHERMAN	IS	40000	64161	131356	46.799
6 DRC D			119.8	64161	131356	

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER		LONGITUDE	STATUS	MX. STOR.		INC. CAP.	TOT. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC	
CODE			DR. AREA	AVE. G	PHR. HD.	(KWT)	(KW)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	
FILE			(D M. M)	(CFS)	(AC FT)	(KW)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)	
STATUS			(SQ. MI)								(SEQUENCE RANK)	
OR6NPP0582	BUTTE CREEK CLARND	SHERMAN	JOHN DAY RIVE	120 30.4	H	360.0	100780	100780	0	9872.9		
6	DFC D			6396	IS	1490000	100780	100780	441400	22.367		
OR6NPP0527	JACK KNIFE	SHERMAN	JOHN DAY RIVE	120 31.9	H	380.0	64700	64700	0	7647.2		
6	DFC I			6924	IS	999000	64700	64700	283400	26.983		
OR6NPP0529	JOHN DAY	SHERMAN	COLUMBIA RIVE	120 41.0	HCNR	131.0	2160000	2160000	11283000	17686		
2	DFC I	DAEN NPP		226000	DP	3010000	540000	2700000	35000	505.23		
OR6NPP0528	TENMILE FALLS	SHERMAN	JOHN DAY RIVE	120 30.0	HC	465.0	103400	103400	0	33553		
6	DFC I			7807	IS	1740000	103400	103400	452700	74.117		
OR6NPP0539	ALDER GLEN	TILLAMOOK	NESTUCCA RIVE	123 29.5	H	370.0	14100	14100	0	5117.2		
5	DFC D			46	IS	140000	14100	14100	62000	82.536		
OR6NPP0530	BARK SHANTY	TILLAMOOK	NORTH FORK TR	123 33.9	H	200.0	13500	13500	0	2924.8		
5	DFC I			75	IS	27000	13500	13500	59300	49.322		
OR6NPP2675	BEAVER CREEK	TILLAMOOK	BEAVER CREEK	123 49.9	H	130.0	2500	2500	0	2584.6		
5	DFC I			26	IS	112000	2500	2500	10900	237.12		
OR7NPP0531	BLAINE	TILLAMOOK	NESTUCCA RIVE	123 41.0	H	375.0	7792	7792	0	4382.2		
5	DFC D			94	IS	289000	7792	7792	42122	104.3		
OR6NPP0552	CEDAR CREEK	TILLAMOOK	WILSON RIVER	123 34.4	H	260.0	72231	72231	0	6643.0		
5	DFC I			100	IS	161400	72231	72231	109164	60.853		



FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAN HT	EXIST. CAP.	EXIST. ENRGY	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME	LONGITUDE	STATUS	MX STOR.	INC. CAP.	INC. ENRGY	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT. ENRGY	(1000 \$)	ERC COMPOSITE
CODE		(D M.M)	(CFS)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(D M.M)		(AC FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS		(SQ.MI)		(FT)	(KW)	(MWH)		(SEQUENCE RANK)
ORUNP0504	LITTLE NESTUCCA RIVER (DIVER)	45 7.5	H	325.0	0	0	3851.9	
ORU0204	TILLAMOOK	123 52.9	IS	132000	11200	49100	78.451	
5 DFC D		41		359.6	11200	49100		
OR5NPP2811	MEADOW LAKE							
ORU0927	TILLAMOOK	45 19.5		40.0	0	0	642.76	
5 DFC I		123 26.5		2000	2200	9600	66.954	
		9		599.4	2200	9600		
OR4NPP0540	MILE NINE	45 13.4	H	70.0	0	0	2144.7	
ORU0164	TILLAMOOK	123 52.0	IS	6200	8305	32025	66.969	
5 DRC I		145		69.9	8305	32025		
OR4NPP0541	MILE 12.5	45 14.0	H	70.0	0	0	2018.9	
ORU0165	TILLAMOOK	123 50.0	IS	4200	8019	30917	65.298	
5 DRC I		140		69.9	8019	30917		
OR6NPP0537	NEHALEM FALLS=LOW	45 42.4	H	83.0	0	0	2961.1	
ORU0127	TILLAMOOK	123 45.0	IS	5400	12493	61471	48.170	
5 DRC D		660		82.9	12493	61471		
				2585.0				
OR6NPP0538	NEHALEM FALLS=HIGH	45 42.4	H	340.0	0	0	7280.0	
ORU0128	TILLAMOOK	123 45.0	IS	380000	73000	377600	19.279	
6 DFC D		660		329.6	73000	377600		
				2585.0				
OR4NPP2747	NEHALEM RIVER=USDA	45 16.7	H	105.0	0	0	977.38	
ORU0877	TILLAMOOK	123 32.5	IS	4380	2300	10000	97.738	
5 DFC I		28		104.8	2300	10000		
				143.0				
OR6NPP0068	N=4 SALMONBERRY	45 45.5	HCIR	395.0	0	0	18158	
ORU0126	TILLAMOOK	123 37.9	IS	2500000	121000	531000	34.196	
6 DFC D		573		334.6	121000	531000		
				2018.0				
OR4NPP0547	STONEHILL	45 41.4	H	42.0	0	0	2797.1	
ORU0397	TILLAMOOK	123 46.0	IS	3000	19805	58946	47.452	
5 DRC D		700		41.9	19805	58946		
				2900.0				

PM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	LONGITUDE	STATUS	MX. STUR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
CODE		(D.M.M)	(D.M.M)	(D.M.M)	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE		(S.M.MI)	(S.M.MI)	(S.M.MI)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS					(FT)				
OR6NPP0548	T-2	TILLAMOOK	NORTH FORK TR	45 28.0	H	170.0	0	3689.2	
ORU0402				123 55.9	IS	38000	13000	62.529	
5 DFC I						120.0	59000		
OR6NPP0549	T-4	TILLAMOOK	SOUTH FORK TR	45 25.0	H	150.0	0	3127.5	
ORU0403				123 36.4	IS	50000	7400	97.734	
5 DFC D				49		110.7	7400		
OR6NPP0545	T-6/TRASK	TILLAMOOK	TRASK RIVER	45 27.0	HCS	210.0	0	5928.7	
ORU0239				123 42.5	IS	84000	80000	56.463	
2 DFC D				137		169.8	105000		
OR6NPP0550	WAKEFIELD	TILLAMOOK	NEHALEM RIVER	45 43.9	H	62.0	0	3109.8	
ORU0416				123 41.9	IS	6400	11791	58.896	
5 DRC D				647		61.9	52802		
OR6NPP0551	WAKEFIELD UPPER	TILLAMOOK	NEHALEM RIVER	45 45.0	H	220.0	0	7524.0	
ORU0419				123 38.5	IS	150000	83000	20.681	
6 DFC E				644		162.8	363800		
OR6NPP0561	BINGHAM SPRINGS	UMATILLA	UMATILLA RIVER	45 44.0	CI	295.0	0	4668.1	
ORU0083				118 13.0	IS	60000	12324	98.531	
5 DRC I				93		289.7	47376		
OR6NPP0565	CAMAS CREEK	UMATILLA	CAMAS CREEK	45 9.0	CIR	85.0	0	884.15	
ORU0259				118 50.9	IS	5200	1200	170.2	
5 DFC I				105		79.9	5200		
OR6NPP0564	DALE	UMATILLA	NORTH FORK JO	45 0.7	H	265.0	0	3771.8	
ORU0170				119 0.7	IS	188000	3235	250.42	
5 DRC D				990		109.8	15061		
OR6NPP0576	ECHO	UMATILLA	UMATILLA RIVE	45 43.4	IH	50.0	0	2028.4	
ORU0547				119 9.9	IS	20500	4700	98.946	
5 DFC I				1347		49.9	20500		

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	MX. STUR.	INC. CAP.	INC. ENRGY ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. G	PWR. MD.	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
CODE		(D M.M)	(AC FT)	(MW)	(MW)	(1000 \$)	(SEQUENCE RANK)
FILE		(D M.M)	(FT)	(MW)	(MW)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ. MI)	(CFS)	(FT)	(MW)		(SEQUENCE RANK)
ORSNPW0438	ELROW CREEK	45 50.3	H	10.0	0	0	1070.9
DRU0029	UMATILLA	118 11.3	IS	90	3538	15565	68.804
5 DRC I		63		381.6	3538	15565	
ORSNPP0562	HOMLY	45 40.4	CI	10.0	0	0	2136.6
DRU0098	UMATILLA	118 30.0	IS	1	14000	61500	34.741
2 DFC D		125		419.5	14000	61500	
OR6NPW0480	JOE WEST DAM	45 32.9	ICSR	269.0	0	0	9726.8
DRU0062	UMATILLA	118 20.2	SA	18000	4496	22733	427.87
5 DRC I		97		245.7	4496	22733	
ORCNPP0579	MCKAY DAM	45 36.5	IC	165.0	0	0	256.52
DR00583	UMATILLA	118 47.4	OP	79000	2170	9490	27.50
5 DFC I	DOI USBR	178		149.8	2170	9490	
DRNPW0441	MENARY LOCK AND DAM	45 55.6	H	220.0	980000	6121316	36448
DR00613	UMATILLA	119 17.7	CP	185000	740876	1111091	32.804
2 DRC I	DAEN NPW	214000		64.9	1720876	7232407	
ORGNPP0563	MISSION	45 40.0	CI	170.0	0	0	6993.5
DRU0120	UMATILLA	118 37.9	IS	142000	16800	74000	94.507
5 DFC I		370		125.5	16800	74000	
ORGNPP0577	NOLTN	45 41.4	IH	135.0	0	0	2906.5
DRU0676	UMATILLA	119 6.4	IS	94000	1441	6465	449.57
5 DRC I		1327		129.8	1441	6465	
ORSNPW0439	ROGERS CANYON	45 49.9	H	10.0	0	0	519.79
DRU0030	UMATILLA	118 5.9	IS	90	1123	4163	124.84
5 DRC I		15		799.2	1123	4163	
ORGNPP0560	RYAN CREEK	45 43.0	CI	258.0	0	0	4779.6
DRU0071	UMATILLA	118 18.9	IS	57600	4672	20586	232.17
5 DRC D		125		214.7	4672	20586	







PM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
								DR. AREA	(D M.M)	(AC FT)	(CFS)	(FT)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)
OR6NP0448				GRANDE RONDE	WALLOWA			45 45.0	117 45.4	H	440.0	0	0	0	0	0	0	0	0	0	0	0
2	DRC	I						2555	18	2100.0	416.5	300381	300381	429706	429706	27.850	27.850					
OR4NP02620				THE RAPIDS	WALLOWA			45 5.9	117 1.3	H	80.0	0	0	0	0	0	0	0	0	0	0	0
5	DRC	I						50	18	300.0	71.9	179	179	908	908	1236.9	1361.6					
OR6NP0450				TROY	WALLOWA			45 54.6	117 27.3	H	190.0	0	0	0	0	0	0	0	0	0	0	0
2	DRC	I						3275	18	2300.0	164.8	170318	170318	327868	327868	8873.9	27.65					
OR5NP0463				TUNNEL	WALLOWA			45 6.3	116 45.3	H	10.0	0	0	0	0	0	0	0	0	0	0	0
6	DRC	I						81	18	185.0	2474.5	18052	18052	76649	76649	1376.7	17.961					
OR5NP0461				WADE GULCH	WALLOWA			45 27.2	117 22.9	H	10.0	0	0	0	0	0	0	0	0	0	0	0
5	DRC	I						250	18	590.0	159.8	782	782	3331	3331	806.64	242.12					
OR6NP02621				WALLOWA FALLS	WALLOWA			45 15.5	117 13.6	H	10.0	0	0	0	0	0	0	0	0	0	0	0
5	DRC	I						10	18	21.0	1190.0	1100	1100	4835	4835	0	0					
OR6NP0466				WALLOWA LAKE DAM	WALLOWA			45 20.1	117 13.3	IHS	39.0	0	0	0	0	0	0	0	0	0	0	0
5	DRC	I						51	18	135.0	32.9	29	29	246	246	16.232	65.724					
OR6NP0457				WYLOCAT CREEK	WALLOWA			45 53.4	117 31.1	H	198.0	0	0	0	0	0	0	0	0	0	0	0
2	DRC	I						2558	18	2500.0	179.8	115733	115733	252918	252918	7548.5	29.845					
OR6NP0581				BADGER CREEK	WASCO			44 56.4	121 26.0	H	150.0	0	0	0	0	0	0	0	0	0	0	0
5	DRC	I						146	18	250.0	149.8	12357	12357	54487	54487	3264.7	59.949					





FM 2 ID NO	PROJECT NAME	DR AREA	LONGITUDE	STATUS	AVE. G	(AC FT)	(KW)	TOT. CAP.	TOT. ENERGY	ENERGY COST	ERC ECONOMIC
ACTV DEP	OWNER	(D M.M)	(D M.M)	(CFS)	(FT)	(KW)	(MWH)	(MWH)	(1000 \$)	(\$/MWH)	ERC COMPOSITE
CODE	NAME OF STREAM	(90 MI)	(90 MI)								(SEQUENCE RANK)
FILE											(SEQUENCE RANK)
STATUS											(SEQUENCE RANK)
DRNPP0594	WHITEHORSE RAPIDS	44 58.0	121 3.0	H	5280.0	100.0	0	36500	290000	6744.6	0
DRU0418	WASCO	9281		IS		63750	36500	36500	23.257		23.257
6 DFC D						184.8					
DRSNPP2697	CAMP FIVE	45 27.0		H		60.0	0	0		1046.2	
DRU0810	WASHINGTON	123 30.4		IS	48.0	320	6900	30400	34.416		
2 DFC I						949.0	6900	30400			
DR6NPP2776	GALES CREEK NUMBER 2A	45 33.5		S		90.0	0	0		2954.1	
DRU0834	WASHINGTON	123 11.9		IS	232.0	40500	1091	5227	565.8		
5 DRC D		65				89.9	1091	5227			
DR6NPP2795	GASTON	45 25.8		S		100.0	0	0		3328.9	
DRU0836	WASHINGTON	123 11.5		IS	170.0	70000	2600	11300	294.59		
5 DFC I		42				85.9	2600	11300			
DR6NPP2799	GLENWOOD	45 39.0		I		106.0	0	0		1337.4	
DRU0840	WASHINGTON	123 19.9		IS	115.0	45000	1900	8100	164.62		
5 DFC I		34				105.8	1900	8100			
DR6NPP0606	UDP DRU0536	45 42.0		H		120.0	0	0		1020.0	
DRU0536	WASHINGTON	123 4.4		IS	64.0	7200	1170	5130	198.83		
5 DFC I		25				88.6	1170	5130			
DR6NPP0605	UDP DRU0535	45 39.0		H		152.0	0	0		1075.5	
DRU0535	WASHINGTON	123 20.0		IS	47.0	15930	1074	4706	228.55		
5 DFC I		14				112.1	1074	4706			
DR6NPP2672	ALDER CREEK	44 48.5		H		90.0	0	0		3512.9	
DRU0800	WHEELER	119 52.9		IS	1840.0	75000	15030	61246	57.357		
5 DRC D		4976				89.9	15030	61246			
DR6NPP2690	BERRY	44 48.5		H		50.0	0	0		2845.5	
DRU0804	WHEELER	119 46.0		IS	1790.0	36100	18601	48337	58.867		
5 DRC I		4870				49.9	18601	48337			



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	OWNER	DR. AREA	LONGITUDE	LATITUDE	PROJ. PURP.	STATUS	AVE. G	WATER HD.	TOT. CAP.	EXIST. CAP.	EXIST. ENRG	ANNUAL ENERGY COST	ERC ECONOMIC
FM 1 ID NO	ACTV CODE	FILE	STATUS	(D M M)	(D M M)	(S D M I)	(CFS)	(AC FT)	(FT)	(KW)	(KW)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
				(90 MI)	(90 MI)	(90 MI)	(CFS)	(AC FT)	(FT)	(KW)	(KW)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
OR6NPP0638	MCMINNVILLE DAM 4-C	MCMINNVILLE	DAM 4-C	45 18.5	123 24.4	45 18.5	S	74.0	0	0	0	0	0	118.18	
5	OR00514	YAMHILL	NESTUCCA RIVE	123 24.4	9	123 24.4	OP	3760	400	1700	400	1700	1700	69.522	
	5	DFC I	CITY OF MCMINNVILLE					63.9	400	1700	400	1700	1700		
OR6NPP0625	MOORES VALLEY	YAMHILL	HASKINS CREEK	45 20.5	123 18.0	45 20.5	CIR	108.0	0	0	0	0	0	923.4	
5	ORU0436	YAMHILL	HASKINS CREEK	123 18.0	15	123 18.0	IS	24500	1057	4634	1057	4634	4634	199.19	
	5	DFC I		15		15		107.8	1057	4634	1057	4634	4634		
OR6NPP0623	WILLAMINA CREEK LOWER	YAMHILL	WILLAMINA CRE	45 7.5	123 28.9	45 7.5	CIR	99.0	0	0	0	0	0	2232.5	
5	ORU0417	YAMHILL	WILLAMINA CRE	123 28.9	67	123 28.9	IS	22180	3400	14900	3400	14900	14900	149.63	
	5	DFC I		67		67		98.9	3400	14900	3400	14900	14900		





PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF PENNSYLVANIA

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL		
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
NUMBER	0*	19*	1*	9*	0*	9*	0*	3*	31*	1*	31*	0*
CAPCTY	0.0*	91.3*	19.6*	159*	0.0*	159*	0.0*	108*	19.6*	19.6*	358*	0.0*
ENERGY	0.0*	455*	115*	816*	0.0*	816*	0.0*	557*	115*	1828*	0.0*	1828*
	INST	INCR	TOTAL	INST	INCR	TOTAL	INST	INCR	TOTAL	INST	INCR	TOTAL
0-19	0*	20*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
20-49	0*	44.8*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	173*	0.0*	175*	0.0*
50-99	0*	33.4*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	122*	0.0*	122*	0.0*
>100	0*	96.2*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	385*	0.0*	385*	0.0*
TOTAL	0*	54*	1*	12*	0*	12*	0*	3*	4*	1*	8*	3*
	0.0*	190*	19.6*	210*	0.0*	210*	0.0*	120*	136*	44.0*	116*	752*
	0.0*	759*	115*	973*	0.0*	973*	0.0*	1070*	685*	77.0*	213*	1069*

\*\*\*\*\*  
 COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)  
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L E G E N D

FM 2 ID NO	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG.	ANUL. COST	ERC ECONOMIC
ACTV DEP	FILE	STATUS	DR. AREA	(D M.M)	(D M.M)	(SQ. MI)	(AC FT)	(KW)	(MHH)	(1000 \$)	ERC COMPOSITE
CODE	FILE	STATUS	DR. AREA	(D M.M)	(D M.M)	(SQ. MI)	(AC FT)	(KW)	(MHH)	(1000 \$)	ERC COMPOSITE
FILE	STATUS	STATUS	DR. AREA	(D M.M)	(D M.M)	(SQ. MI)	(AC FT)	(KW)	(MHH)	(1000 \$)	ERC COMPOSITE
STATUS	STATUS	STATUS	DR. AREA	(D M.M)	(D M.M)	(SQ. MI)	(AC FT)	(KW)	(MHH)	(1000 \$)	ERC COMPOSITE
PAADRP0042	ALLEGHENY RIVER L/D 02	ALLEGHENY RIVER L/D 02	79 54.8	79 54.8	11636	40 29.2	19540.0	10683	66213	1387.6	1002
2 DRC I	DAEN DRP	ALLEGHENY RIVER L/D 02	79 54.8	79 54.8	11636	40 29.2	19540.0	10683	66213	1387.6	1002
PAADRP0043	ALLEGHENY R L/D 03	ALLEGHENY R L/D 03	40 32.3	79 48.9	11537	36.0	19400.0	16301	93134	1889.1	1002
2 DRC I	DAEN DRP	ALLEGHENY R L/D 03	40 32.3	79 48.9	11537	36.0	19400.0	16301	93134	1889.1	1002
PAADRP0044	ALLEGHENY R L/D 04	ALLEGHENY R L/D 04	40 36.9	79 43.0	11419	10.5	19240.0	18169	89245	2359.0	1002
2 DRC I	DAEN DRP	ALLEGHENY R L/D 04	40 36.9	79 43.0	11419	10.5	19240.0	18169	89245	2359.0	1002
PAADRP0048	DASHIELDS L/D	DASHIELDS L/D	40 32.9	80 12.5	19522	39.0	32370.0	22000	120000	2829.9	1002
2 DFC I	DAEN DRP	DASHIELDS L/D	40 32.9	80 12.5	19522	39.0	32370.0	22000	120000	2829.9	1002
PAADRP0047	EMSWORTH L/D	EMSWORTH L/D	40 30.3	80 5.2	19428	25.0	32290.0	38000	220000	4695.4	1002
2 DFC I	DAEN DRP	EMSWORTH L/D	40 30.3	80 5.2	19428	25.0	32290.0	38000	220000	4695.4	1002
PAADRP0045	MONONGAHELA RIVER L/D 2	MONONGAHELA RIVER L/D 2	40 23.4	79 51.4	7342	33.0	12300.0	6747	38827	971.80	1002
2 DRC I	DAEN DRP	MONONGAHELA RIVER L/D 2	40 23.4	79 51.4	7342	33.0	12300.0	6747	38827	971.80	1002
PAADRP0046	MONONGAHELA RIVER L/D 3	MONONGAHELA RIVER L/D 3	40 15.9	79 53.9	5340	16.0	9100.0	4736	25660	690.38	1002
2 DRC I	DAEN DRP	MONONGAHELA RIVER L/D 3	40 15.9	79 53.9	5340	16.0	9100.0	4736	25660	690.38	1002
PAADRP0052	ALLEGHENY R L/D 05	ALLEGHENY R L/D 05	40 41.0	79 39.9	9351	16.0	16130.0	17144	82487	2120.3	1002
2 DRC I	DAEN DRP	ALLEGHENY R L/D 05	40 41.0	79 39.9	9351	16.0	16130.0	17144	82487	2120.3	1002
PAADRP0053	ALLEGHENY R L/D 06	ALLEGHENY R L/D 06	40 43.0	79 34.7	9332	12.1	16100.0	17387	84341	2125.1	1002
2 DRC I	DAEN DRP	ALLEGHENY R L/D 06	40 43.0	79 34.7	9332	12.1	16100.0	17387	84341	2125.1	1002

FM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	MANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	STATUS	MX STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OR.AREA	AVE. Q	#PWR. HD.	TOT. CAP.	TOT.ENERG	(1000 \$)	ERC COMPOSITE
CODE CODE	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS	(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
PA000054	ALLEGHENY R L/D 07	N	19.0	0	0	2207.4	
PA000117	ARMSTRONG ALLEGHENY RIV	CP	0	18916	89508	24.662	1002
2 DRC I	DAEN DRP		15570.0	18916	89508		
PA000055	ALLEGHENY R L/D 08	N	60.0	0	0	1888.7	
PA000118	ARMSTRONG ALLEGHENY RIV	CP	0	17037	96277	17.540	1002
2 DRC I	DAEN DRP		15280.0	17037	96277		
PA000056	ALLEGHENY R L/D 09	N	22.0	0	0	1456.7	
PA000119	ARMSTRONG ALLEGHENY RIV	CP	13500	15828	89333	16.307	1002
2 DRC I	DAEN DRP		14480.0	15828	89333		
PAC000050	CROOKED CREEK DAM	CR	143.0	0	0	1064.2	
PA00102	ARMSTRONG CROOKED CREEK	CP	93900	15369	27518	38.671	1001
2 DRC I	DAEN DRP		421.0	15369	27518		
PAC000051	MAHONING CREEK DAM	CR	162.0	0	0	718.72	
PA00107	ARMSTRONG MAHONING CREEK	CP	74200	7000	16000	44.920	1001
2 DFC I	DAEN DRP		65.9	7000	16000		
PA000059	MONTGOMERY L/D	N	62.0	0	0	5056.6	
PA00128	BEAVER OHIO RIVER	CP	0	38000	197000	25.668	1002
2 DFC I	DAEN DRP		36280.0	38000	197000		
PA6000058	RACCOON CREEK	H	185.8	0	0	6321.8	
PAU0141	BEAVER RACCOON CREEK	IS	153400	1868	7454	648.3	
5 DRC I			113.1	1868	7454		
PA6NAB00045	CYPHER STATION	CPH	130.0	0	0	4866.1	
PAU0023	BEDFORD RAYSTONN BR	IS	63000	5812	16030	303.54	
5 DRC I			43.7	5812	16030		
PABNAB00047	LAKE GORDON DAM	S	84.0	0	0	130.97	
PA00242	BEDFORD EVITTS CREEK	CP	5290	672	1437	91.145	
5 DFC I	CITY OF CUMBERLAND MD		65.0	672	1437		

FM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CD.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENR.	ANNUAL COST	ERC ECONOMIC
FM 1 ID NO	ACTV DEP	FILE	STATUS	OWNER	DR. AREA	DR. AREA	DR. AREA	DR. AREA	AVE. G	PMR. HD.	TOT. CAP.	INC. CAP.	TOT. ENERGY	ENERGY COST	ERC NON-ECONOMIC
CODE	CODE	CODE	CODE	CD N.M.	CD N.M.	CD N.M.	CD N.M.	CD N.M.	(KW)	(MWH)	(1000 \$)	(S/MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE	FILE	FILE	FILE	(SQ. MI)	(SQ. MI)	(SQ. MI)	(SQ. MI)	(SQ. MI)	(KW)	(MWH)	(1000 \$)	(S/MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)
STATUS	STATUS	STATUS	STATUS	(CFS)	(FT)	(FT)	(FT)	(FT)	(KW)	(MWH)	(1000 \$)	(S/MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)
PAGNAP0046	I	THOMAS W KOON DAM	S	39 46.9	78 39.0	44	44	92.0	556	1616	0	556	1616	122.56	1011
PACNAP0038	I	BLUE MARSH	CSR	40 22.7	76 1.8	175	175	12400	1098	6338	0	1098	6338	146.80	1010
PACNAP0030	I	FELTX DAM	R	40 23.5	75 58.0	647	647	24.0	1576	9588	0	1576	9588	275.42	1016
PACNAP0037	I	LAKE ONTELAUNE	SR	40 26.8	75 55.7	192	192	51.5	1608	4544	0	1608	4544	197.23	2008
PAGNAP0036	I	MAIDEN CREEK	SI	40 30.3	75 53.0	161	161	25600	5932	14700	0	5932	14700	43.402	2006
PAGNAP0035	I	MILL CREEK DAM	S	40 31.1	76 1.8	16	16	133.0	84	579	0	84	579	1594.6	2017
PAGNAP0031	I	NEW KERNSVILLE DAM	DR	40 34.1	75 59.3	340	340	17.0	639	3780	0	639	3780	199.88	2013
PAGNAP0005	I	NESHAMINY CREEK	SR	40 14.7	74 59.0	150	150	105.0	2317	6878	0	2317	6878	4648.7	2012
PACNAP0041	I	NOCKAMIXON STATE PARK DAM	R	40 28.2	75 11.2	73	73	112.0	959	3068	0	959	3068	143.5	2005
PACNAP0034	I	TOHICKON CREEK	OP	40 11.2	75 11.2	73	73	94.5	959	3068	0	959	3068	46.619	2008



FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PUSP.	DAM HT	EXIST. CAP.	EXIST. ENRG. ANNU.	COST	ERC ECONOMIC
CODE	CODE	CODE	CODE	CODE	OWNER	OWNER	DR. AREA	DR. AREA	DR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG.	ENERGY COST	ERC NRECONOMIC
							(D M.H)	(D M.H)	(D M.H)	AVE. G	(FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
							(90 MI)	(AC FT)	(AC FT)	(CFS)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
															(SEQUENCE RANK)
PACNA0049					PENN FOREST DAM		40 55.7	75 33.7	16	S	145.0	495	2487	95.552	1025
2	DFC I				CARBON WILD CREEK		75 33.7	16	DP	55.0	26220	495	2487	38.420	1018
					BETHLEHEM MUN AUTHORITY						129.0	495	2487	38.420	1022
PACNA0050					WILD CREEK DAM		40 53.8	75 33.7	8	S	160.0	0	0	169.59	
5	DRC I				CARBON WILD CREEK		75 33.7	22	OP	48.0	17143	1259	4111	41.243	
					BETHLEHEM MUNICIPAL AUTH						144.4	1259	4111	41.243	
PACNA0053					FOSTER JOSEPH SAYER		41 2.7	77 36.6		CR	100.0	0	0	290.63	
2	DFC I				CENTRE BALD EAGLE		77 36.6	339	DP	432.0	186000	3510	11618	25.16	1001
					DAENNAB						44.3	3510	11618	25.16	
PAGNAP0003					FRENCH CREEK		40 9.2	75 38.0		SR	91.0	0	0	4186.1	
5	SCP I				CHESTER FRENCH CREEK		75 38.0	47	IS	-73.6	43000	843	2863	1461.8	
											74.5	843	2863	1461.8	
PACNA0052					OCTORARD		39 47.9	76 2.6		S	62.0	0	0	113.0	2010
2	DFC I				CHESTER OCTOARD CREEK		76 2.6	140	DP	180.0	27800	501	2623	43.60	2010
					CHESTER MUN AUTHORITY						41.7	501	2623	43.60	2010
PAYORP0076					PINEY DAM		41 11.4	79 26.0		H	125.0	28800	84382	0	
9	DRC I				CLARION CLARION RIVER		79 26.0	957	IS	1740.0	33000	0	0	0	
					PENNA ELECTRIC CO						83.0	28800	84382	0	
PACORP0074					ST PETERSBURG		41 9.0	79 39.0		H	291.5	0	0	19886	
2	DRC I				CLARION CLARION RIVER		79 39.0	1245	IS	-2194.7	981300	243406	332442	59.820	2005
											244.7	243406	332442	59.820	2005
PACNAB0056					CURWENSVILLE		40 57.6	78 31.4		CR	131.0	0	0	221.28	1020
2	DFC I				CLEARFIELD WEST BRANCH S		78 31.4	365	DP	639.0	209000	1375	6539	33.841	1024
					DAENNAB						26.0	1375	6539	33.841	1024
PACNAB0054					DMELING		40 55.0	78 22.9		CR+H	149.0	0	0	4619.8	
5	DRC I				CLEARFIELD CLEARFIELD CR		78 22.9	372	IS	570.0	135500	9544	27040	170.84	
											88.6	9544	27040	170.84	









PM 2 ID NO	FM 1 ID NO	ACTV CODE	FILE STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	DR. AREA	(D M.M)	(SQ. MI)	PROJ. PURP.	STATUS	AVE. G	#PWR. HD.	EXIST. CAP. (KW)	INC. CAP. (KW)	TOT. CAP. (KW)	EXIST. ENRG. ANNUAL COST	INC. ENRG. COST	TOT. ENRG. COST	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
PAADR0100		2	DRC I	TWO LICK CREEK DAM	INDIANA	TWO LICK CREEK	40 35.7	79 5.9	74		108.0	DP	0	17000	1219	4343	1219	0	180.20	41.488	4343	0	180.20	2004	2003	2004	2004
PAADR0099		2	DRC I	YELLOW CREEK STATE PARK	INDIANA	YELLOW CREEK	40 34.1	79 7.3	53		108.0	DP	0	37800	650	1800	650	0	130.90	72.722	1800	0	130.90				
PA6DR0102		5	DRC I	LITTLE SANDY CREEK RES	JEFFERSON	LITTLE SANDY	41 1.8	79 11.9	73		-132.1	H	158.5	11000	230	7303	230	0	4193.1	574.12	7303	0	4193.1				
PA6DR0101		5	DRC I	NORTH FORK CREEK RES	JEFFERSON	NORTH FORK CR	41 12.0	79 4.9	96		-174.4	H	198.0	136200	4018	12187	4018	0	5090.5	417.69	12187	0	5090.5				
PA4NAB0133		5	DRC I	MACDONIA JUNIATA	JUNIATA	JUNIATA	40 38.0	77 24.9	2780		3543.0	HSOR	45.0	4000	19938	62171	19938	0	4000.3	64.343	62171	0	4000.3				
PA4NAB0134		5	DRC I	VANDYKE JUNIATA	JUNIATA	JUNIATA	40 34.9	77 15.0	3143		3991.0	H	45.0	0	23104	72693	23104	0	4315.7	59.368	72693	0	4315.7				
PACNAB0077		5	DRC I	NESBIT DAM	LACKAWANNA	SPRING BROOK	41 19.5	75 39.1	37		50.0	0	101.0	5034	794	1509	794	0	134.45	89.100	1509	0	134.45				
PAINAB0081		2	DRC I	HOLTWOOD LANCASTER	PENN POWER	SUSQUEHANNA	39 49.5	76 20.0	26786		37500.0	H	55.0	19000	107200	590000	121767	590000	8715.0	22.625	385185	590000	8715.0	1001	1001	1001	1001
PAINAB0082		2	DRC I	SAFE HARBOR LANCASTER	PENN POWER	SUSQUEHANNA	39 55.2	76 23.5	26090		37000.0	H	75.0	144000	228967	975185	121767	920000	12454	94.642	131599	920000	12454	1000	1000	1000	1000

FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE STATUS	PROJECT NAME	PRIMARY CD.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	INC.CAP.	EXIST.ENERGY	INC.ENERGY	ANUL.COST	ERC ECONOMIC				
PAANAP9001	2	DFC	LEHIGH PADER	LEHIGH R.	R	8.1	40 36.4	75 27.2	2111.0	8.1	1757	1757	0	8940	8940	396.86	44.391	2012	2008	2008
PA6NAP0055	5	SCP I	TREXLER LEHIGH DAEN NAP	JORDAN CREEK	CSR SI	126.0 78000 97.7	40 39.3	75 37.7	88.0	1472	1472	0	4996	4996	3340.3	742.78	1004	1004	1004	1004
PACNAP0058	2	DRC I	FRANCIS E WALTER LUZERNE DAEN=NAP	LEHIGH RIVER	CRD DP	234.0 149700 97.7	41 6.7	75 43.3	581.0	8306	8306	0	21722	21722	489.12	22.516	1004	1004	1004	1004
PACNAP0021	2	SCP E	F.F. WALTER MODIFICATION LUZERNE DAEN=NAP	LEHIGH RIVER	CSR SA	263.0 240000 184.6	41 6.7	75 43.3	-606.1	24678	24678	0	64287	64287	1169.2	18.187	2000	2000	2000	2000
PA6NAB0083	5	DRC I	NESSCOPECK LUZERNE	NESSCOPECK CR	CRD IS	177.0 48200 127.6	41 0.0	76 9.9	130.0	2394	2394	0	7817	7817	2565.0	328.12	2000	2000	2000	2000
PA6NAP0038	5	DRC I	TORVHANNA DAM LUZERNE DRRC	LEHIGH RIVER	S IS	145.0 95700 105.8	41 7.1	75 39.0	-471.4	7866	7866	0	26875	26875	2930.7	109.5	2000	2000	2000	2000
PA6NAB0087	5	DRC I	BARBOURS LYCOMING	LOYALSOCK CR	CRD IS	169.0 192300 123.9	41 28.0	76 46.9	475.0	16799	16799	0	37344	37344	6081.9	162.86	2000	2000	2000	2000
PA6NAB0085	5	SCP I	CAMMAL LYCOMING	PINE CREEK	CRD+H IS	270.0 590000 227.0	41 26.8	77 30.3	920.0	42765	42765	0	111663	111663	11608	103.96	2000	2000	2000	2000
PA6NAB0088	5	DRC I	HALFEKA LYCOMING	LYCOMING CR	CRD IS	146.0 126000 109.1	41 19.9	77 7.0	300.0	6291	6291	0	18271	18271	4831.6	264.43	2000	2000	2000	2000

FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL. COST	ERC ECONOMIC
CODE	CODE	CODE	CODE	CODE	OWNER	DR.AREA	DR.AREA	DR.AREA	DR.AREA	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NAME
						(D M.M)	(D M.M)	(D M.M)	(D M.M)	AVE. Q	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
						(S)	(S)	(S)	(S)	TOT. CAP.	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
						(S)	(S)	(S)	(S)	(CFS)	(FT)	(KW)	(MWH)		(SEQUENCE RANK)
PA6NAB0091	PA6NAB0091	2	DPC I	1	HEPBURN STREET DAM	41 13.9	77 0.3	5682	8864.0	R	13.0	0	0	835.88	1011
					LYCOMING WEST BRANCH S					DP	1	6357	36235	23.68	1017
					PA. DEPT. OF ENV. RES.							6357	36235		1016
PACNAB0091	PACNAB0091	2	DPC I	1	LITTLE PINE CREEK DAM	41 21.3	77 21.3	165	250.0	CR	113.0	0	0	163.81	2014
					LITTLE PINE C					DP	24800	812	3262	50.218	2013
					PA. DER						27.9	812	3262		2014
PA6NAB0086	PA6NAB0086	5	DRC I	1	MUNCY	41 13.6	76 46.9	6245	9674.0	HORS	55.0	0	0	24812	
					W BR SUSQUEHA					IS	30000	74804	227408	109.10	
					LYCOMING						43.5	74804	227408		
PA6NAB0089	PA6NAB0089	5	DRC I	1	POWYS	41 25.0	77 5.0	198	296.0	CR	151.0	0	0	4889.8	
					LYCOMING CR					IS	139300	6001	17405	280.94	
											105.1	6001	17405		
PACORP0111	PACORP0111	2	DPC I	1	SHENANGO RIVER DAM	41 15.9	80 27.7	589	686.0	CRD	67.6	0	0	336.29	
					MERCER					DP	156700	3000	10100	33.296	1001
					DAEN DRP						28.5	3000	10100		
PA6NAB0093	PA6NAB0093	5	DRC I	1	GRANVILLE	40 34.9	77 30.0	2504	3180.0	HR	45.0	0	0	3892.4	
					MIFFLIN					IS	0	18406	57912	67.213	
					JUNIATA						34.7	18406	57912		
PA6NAB0096	PA6NAB0096	5	DRC I	1	MAYES BRIDGE	40 34.9	77 39.9	2510	3500.0	CRD	60.0	0	0	5696.8	
					MIFFLIN					IS	45000	12354	38073	149.62	
					JUNIATA RIVER						22.6	12354	38073		
PA4NAB0092	PA4NAB0092	5	DRC I	1	VINEYARD	40 34.1	77 27.7	2424	3090.0	HDR	62.0	0	0	4994.4	
					MIFFLIN					IS	18000	29532	83634	59.718	
					JUNIATA						51.7	29532	83634		
PA6NAB0037	PA6NAB0037	5	DRC I	1	CHERRY CREEK DAM	40 58.8	75 9.0	18	-31.3	S	270.0	0	0	3261.9	
					MONROE					IS	43000	762	2689	1212.7	
					CHERRY CREEK						220.7	762	2689		



FM 2 ID NO	PROJECT NAME	STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF OWNER	NAME OF STREAM	DR. AREA	DR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV CODE	OWNER		(D M.M)	(D M.M)	AVE. G	(FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
FILE			(SO. MI)	(AC FT)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
STATUS				(FT)						(SEQUENCE RANK)
PAANAP022	EASTON DAM	LEHIGH RIVER	40 40.8	75 49.7	18	2000	1835	11621	366.24	1019
2 DFC I	NORTHAMPTON			1364		11.5	1835	11621	33.237	1017 1016
	PA DER									
PAGNAP034	LITTLE MARTINS CREEK DAM		40 46.7	75 11.4	8	300.0	0	0	3173.8	
5 DRC I	NORTHAMPTON	LITTLE MARTINS	75 11.4	7	18	9000	103	601	5277.1	
	DRC					241.7	103	601		
PAANAP024	TRECHLERS DAM (NO. 4 DAM)		40 43.8	75 33.0	NR	10.3	0	0	354.58	2007
2 DFC I	NORTHAMPTON	LEHIGH RIVER	75 33.0	913	18	2000	1428	8279	42.829	2009 2009
	THREE MI BOAT ASSOC					10.0	1428	8279		
PAGNAB0136	SUNBURY	SUSQUEHANNA	40 53.6	76 43.4	HSR	45.0	0	0	16042	
PAU0009	NORTHUMBERLA		76 43.4	11294	18	78000	82401	295242	54.338	
5 DRC I						34.7	82401	295242		
PAGNAB0100	ADUEDUCT	JUNIATA	40 25.0	77 1.9	HG	45.0	0	0	5003.1	
PAU0020	PERRY		77 1.9	3408	18	4500	25051	78819	63.475	
5 DRC I						34.7	25051	78819		
PAGNAB0099	NEWPORT	JUNIATA	40 25.0	77 9.9	OH	45.0	0	0	4398.7	
PAU0019	PERRY		77 9.9	3353	18	6000	24647	77547	56.722	
6 DRC I						34.7	24647	77547		
PAGNAB0101	SHERMAN	SHERMAN CR	40 10.0	76 18.0	CR	137.0	0	0	3845.2	
PAU0071	PERRY		76 18.0	220	18	114600	4105	14381	267.38	
5 DRC I						101.0	4105	14381		
PAANAP0063	FAIRMOUNT DAM	SCHUYLKILL RI	39 57.7	75 11.1	RS	21.0	0	0	420.30	1015
PAG0097	PHILADELPHIA		75 11.1	1893	DP	2810	2850	14834	28.332	1023
2 DRC I	CITY OF PHILADELPHIA					17.4	2850	14834		1021
						2911.04				
PAANAP0025	FLAT ROCK DAM	SCHUYLKILL RI	40 2.5	75 15.0	0	12.0	0	0	486.42	1013
2 DFC I	PHILADELPHIA		75 15.0	1809	18	2760	3716	18397	26.440	1012
	PA DER					17.0	3716	18397		1012
						-2561.04				

FM 2 ID NO	PROJECT NAME	LATITUDE	DAM HT	PROJ. PUMP	EXIST. CAP.	EXIST. ENRG ANNUAL COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	LONGITUDE	MX STOR.	INC. CAP.	INC. ENRG ANNUAL COST	ERC NON-ECONOMIC	
ACTV DEP	OWNER	DR. AREA	AVE. G	TOT. CAP.	TOT. ENRG	ERC COMPOSITE	
CODE		(D M.M)	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE		(SQ.MI)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS			(CFS)	(KW)	(MWH)		
PA6NAP8012	GIRARD	41 9.2	CS	137.0	0	4093.7	
5	PIKE	75 6.0	IS	75000	5963	686.44	
	BUSH KILL	58		84.7	5963		
PA6NAP8010	LACKAWAXEN	41 29.0	S	250.0	0	8806.8	
6	PIKE	75 1.7	IS	220000	124689	70.630	
	LACKAWAXEN RI	595		210.7	124689		
PA6NAP8008	SHOWOLA FALLS	41 23.4	CS	63.0	0	4048.1	
5	PIKE	74 58.2	IS	65000	26351	153.62	
	SHOWOLA CREEK	59		578.2	26351		
PA6NAP8064	WALLENPAUPACK DAM	41 27.5	HR	66.0	77000	1866.8	
4	PIKE	75 11.1	OP	269800	1000	1866.8	
	WALLENPAUPACK	227		362.0	78000		
PA6NAP8036	RED CREEK DAM	40 34.1	S	223.0	0	2857.1	
5	DRRC	76 4.2	IS	85000	577	4949.5	
	SCHUYLKILL			180.8	577		
PA6NAB0137	KRATZERVILLE	40 49.9	COR+H	115.0	0	6440.1	
5	DRRC	77 0.0	IS	231000	25983	247.85	
	PENN CREEK	368		84.7	25983		
PAANAB9992	MUSSELS DAM	40 46.0	R	32.0	0	156.69	
2	DRRC	76 52.3	OP	154	3595	43.585	
	MIDDLE CREEK	163		25.0	3595		
PA6ORP0116	CLEAR SHADE CREEK RES	40 8.2	H	182.0	0	3877.0	
5	DRRC	78 48.7	IS	35000	808	4795.2	
	SOMERSET	31		158.0	808		
PA6ORP0119	LAUREL HILL CR	39 49.3	H	263.7	0	5714.7	
5	DRRC	79 18.9	IS	234000	35042	163.8	
	SOMERSET	125		220.7	35042		





FM 2 ID NO	PROJECT NAME	PROJECT NO.	NAME OF STREAM	DR AREA	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	INC.CAP.	EXIST ENRG	ANUL.COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	AVE. Q	PHR. HD.	MX. STOR.	WTC. ENRG	TOT. ENRG	(MWH)	(MWH)	(MWH)	(1000 \$)	(8/MWH)	ERC COMPOSITE
CODE	FILE	STATUS	(CFS)	(AC FT)	(AC FT)	(KW)	(KW)	(KW)	(KW)	(KW)	(1000 \$)	(8/MWH)	(SEQUENCE RANK)
FILE	STATUS	STATUS	(CFS)	(AC FT)	(AC FT)	(KW)	(KW)	(KW)	(KW)	(KW)	(1000 \$)	(8/MWH)	(SEQUENCE RANK)
PACNAP0143	TIOGA DAM	UC	333.0	52.3	140.0	62000	0	0	8477	8477	267.91	31.604	1018
2 DRC D	DAEN NAB	UC	333.0	52.3	140.0	62000	0	0	8477	8477	267.91	31.604	1025
PACORP0130	BROKENSTRAW CREEK RES	H			98.8	86000	0	0	0	0	5035.4		
5 DRC I	WARREN	IS	-304.1	81.6	86000	86000	4552	4552	12782	12782	393.92		
PAGNAP0018	EQUINUNK	S			165.0	40000	0	0	0	0	3351.5		
5 SCP I	WAYNE	IS	-106.6	149.3	40000	40000	2612	2612	7540	7540	448.45		
PAGNAP0011	HAWLEY	CS			183.0	92000	0	0	0	0	3883.3		
5 SCP I	WAYNE	IS	-144.6	121.6	92000	92000	2891	2891	8349	8349	465.8		
PACNAP0070	JADWIN	C			109.0	35800	0	0	0	0	167.65		
5 SCP I	WAYNE	DP	113.0	78.8	35800	35800	1100	1100	3923	3923	42.731		
PAGNAP0019	MTLANVILLE	S			135.0	40000	0	0	0	0	3258.2		
5 SCP I	WAYNE	IS	-83.1	119.4	40000	40000	1628	1628	4712	4712	691.36		
PACNAP0071	PROMPTON	CR			140.0	59300	0	0	0	0	52.377		
5 DRC I	WAYNE	OP	109.0	38.7	59300	59300	70	70	570	570	91.751		
PACNAP0039	PROMPTON DAM-MODIFIED	CRS			142.0	69000	0	0	0	0	170.64		
2 SCP D	WAYNE	IS	-114.8	93.7	69000	69000	1238	1238	4793	4793	35.601		2001
	DAEN=NAP	IS	-114.8	93.7	69000	69000	1238	1238	4793	4793	35.601		2002
PACORP0146	BEAVER RUN DAM	S			92.0	27540	0	0	0	0	181.79		
2 DFC I	WESTMORELAND	DP			27540	27540	1100	1100	2100	2100	86.570		
	BEAVER RUN AUTH	DP	-61.0	66.9	27540	27540	1100	1100	2100	2100	86.570		2010

FM 2 ID NO	PROJECT NAME	PRIMARY CO. NAME	OWNER	PROJECT NAME	STATUS	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
ACTV DEP	LONGITUDE	DR. AREA	DR. AREA	DR. AREA	DR. AREA	DR. AREA	DR. AREA	DR. AREA	DR. AREA	DR. AREA
CODE	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)
FILE	(89. NI)	(89. NI)	(89. NI)	(89. NI)	(89. NI)	(89. NI)	(89. NI)	(89. NI)	(89. NI)	(89. NI)
STATUS	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
PACORP0139	LOYALHANNA DAM	LOYALHANNA CR	LOYALHANNA CR	LOYALHANNA CR	LOYALHANNA CR	LOYALHANNA CR	LOYALHANNA CR	LOYALHANNA CR	LOYALHANNA CR	LOYALHANNA CR
PA00106	WESTMORELAND	79 27.1	79 27.1	79 27.1	79 27.1	79 27.1	79 27.1	79 27.1	79 27.1	79 27.1
2 DRC I	DAEN DRP	290	290	290	290	290	290	290	290	290
PACORP0140	MONONGAHELA RIVER L/D 4	40 8.8	40 8.8	40 8.8	40 8.8	40 8.8	40 8.8	40 8.8	40 8.8	40 8.8
PA00122	WESTMORELAND	79 53.9	79 53.9	79 53.9	79 53.9	79 53.9	79 53.9	79 53.9	79 53.9	79 53.9
2 DRC I	DAEN DRP	5214	5214	5214	5214	5214	5214	5214	5214	5214
PACORP0138	TURMILL CREEK RESERVOIR	40 17.9	40 17.9	40 17.9	40 17.9	40 17.9	40 17.9	40 17.9	40 17.9	40 17.9
PAU0136	WESTMORELAND	78 56.0	78 56.0	78 56.0	78 56.0	78 56.0	78 56.0	78 56.0	78 56.0	78 56.0
5 DRC I	TUBMILL CREEK	47	47	47	47	47	47	47	47	47
PACORP0146	DIXON	41 34.9	41 34.9	41 34.9	41 34.9	41 34.9	41 34.9	41 34.9	41 34.9	41 34.9
PAU0027	WYOMING	76 0.0	76 0.0	76 0.0	76 0.0	76 0.0	76 0.0	76 0.0	76 0.0	76 0.0
5 DRC I	TUNKHANNOCK C	385	385	385	385	385	385	385	385	385
PACORP0145	KEELERSBURG	41 33.1	41 33.1	41 33.1	41 33.1	41 33.1	41 33.1	41 33.1	41 33.1	41 33.1
PAU0003	WYOMING	76 0.0	76 0.0	76 0.0	76 0.0	76 0.0	76 0.0	76 0.0	76 0.0	76 0.0
6 DRC I	SUSQUEHANNA	9488	9488	9488	9488	9488	9488	9488	9488	9488
PACORP0149	MESHOPPEN	41 38.0	41 38.0	41 38.0	41 38.0	41 38.0	41 38.0	41 38.0	41 38.0	41 38.0
PAU0042	WYOMING	75 58.0	75 58.0	75 58.0	75 58.0	75 58.0	75 58.0	75 58.0	75 58.0	75 58.0
5 DRC I	MESHOPPEN CR	96	96	96	96	96	96	96	96	96
PACORP0108	CONEWAGO	40 4.9	40 4.9	40 4.9	40 4.9	40 4.9	40 4.9	40 4.9	40 4.9	40 4.9
PAU0022	YORK	76 45.0	76 45.0	76 45.0	76 45.0	76 45.0	76 45.0	76 45.0	76 45.0	76 45.0
5 DRC I	CONEWAGO	426	426	426	426	426	426	426	426	426
PACORP0111	LAKE WILLIAMS DAM	39 53.4	39 53.4	39 53.4	39 53.4	39 53.4	39 53.4	39 53.4	39 53.4	39 53.4
PAU0338	YORK	76 43.8	76 43.8	76 43.8	76 43.8	76 43.8	76 43.8	76 43.8	76 43.8	76 43.8
5 DFC I	E BRANCH CDDO	42	42	42	42	42	42	42	42	42
PACORP0111	YORK HAVEN	40 6.4	40 6.4	40 6.4	40 6.4	40 6.4	40 6.4	40 6.4	40 6.4	40 6.4
PAU0338	YORK	76 42.4	76 42.4	76 42.4	76 42.4	76 42.4	76 42.4	76 42.4	76 42.4	76 42.4
5 DFC I	SUSQUEHANNA	2473	2473	2473	2473	2473	2473	2473	2473	2473
PACORP0111	YORK HAVEN	40 6.4	40 6.4	40 6.4	40 6.4	40 6.4	40 6.4	40 6.4	40 6.4	40 6.4
PAU0338	YORK	76 42.4	76 42.4	76 42.4	76 42.4	76 42.4	76 42.4	76 42.4	76 42.4	76 42.4
5 DFC I	METROPOLITAN EDISON	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
PACORP0111	YORK HAVEN	40 6.4	40 6.4	40 6.4	40 6.4	40 6.4	40 6.4	40 6.4	40 6.4	40 6.4
PAU0338	YORK	76 42.4	76 42.4	76 42.4	76 42.4	76 42.4	76 42.4	76 42.4	76 42.4	76 42.4
5 DFC I	METROPOLITAN EDISON	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2

1001  
1002





... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF PUERTO RICO

*C M*	*U T W*	*H O*	*D T A*	*L A N*	*A L D*	*F T S*	POTENTIAL INCREMENTAL CAPACITY RANGES				*T O T A L*		
							*.05 MW*	*15 MW*	*25 MW*	*GREATER THAN 25 MW*			
*E I V*	*I N*	*E X I S T*	*U N D E V*	*T O T A L*	*E X I S T*	*U N D E V*	*T O T A L*	*E X I S T*	*U N D E V*	*T O T A L*	*E X I S T*	*U N D E V*	*T O T A L*
*T E N*	*I N C R*	*P O T E N*	*I N C R*	*P O T E N*	*I N C R*	*P O T E N*	*I N C R*	*P O T E N*	*I N C R*	*P O T E N*	*I N C R*	*P O T E N*	*I N C R*
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP
0-19	1*	0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
	*CAPCTY*	5.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
	*ENERGY*	17.7*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
20-49	0*	0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
	*CAPCTY*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
	*ENERGY*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
50-99	0*	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*
	*CAPCTY*	0.0*	2.6*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
	*ENERGY*	0.0*	7.9*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	2.6*
>100	5*	12*	29.7*	32.1*	46.3*	101*	70.7*	172*	172*	101*	70.7*	172*	172*
	*CAPCTY*	5*	12*	29.7*	32.1*	46.3*	101*	70.7*	172*	101*	70.7*	172*	172*
	*ENERGY*	29.7*	32.1*	46.3*	101*	70.7*	172*	172*	101*	70.7*	172*	172*	172*
TOTAL	6*	13*	34.7*	34.8*	64.1*	109*	70.7*	180*	180*	109*	70.7*	180*	180*
	*CAPCTY*	6*	13*	34.7*	34.8*	64.1*	109*	70.7*	180*	109*	70.7*	180*	180*
	*ENERGY*	34.7*	34.8*	64.1*	109*	70.7*	180*	180*	109*	70.7*	180*	180*	180*

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
ACTV CODE	OWNER	DR. AREA	AVE. G	PHR. MD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
FILE		(D.M.W)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ. MI)		(FT)	(KW)	(MWH)		(SEQUENCE RANK)
PRISAJ0017	LAGO GARZAS	18 8.2	H8	1279.0	7200	11500	0	
PRO0006	ADJUNTAS	66 44.6	OP	5500	0	0	0	
5 SAN I	PREPA	6		14.3	7200	11500		
PRO9AJ0803	ISARELA PLANT 2	18 26.7	HIS	212.0	0	0	143.22	
2 SCP I	AGUADILLA DIVERSION CAN	67 4.1	OP	49200	903	3289	43.537	1000
PRO9AJ0804	ISARELA PLANT 3	18 29.3	HIS	212.0	0	0	169.86	
2 SCP I	AGUADILLA	67 4.3	OP	49200	1199	4217	40.278	1000
PRISAJ0019	LAGO DOS ROCAS	18 20.1	H	188.0	18000	27417	0	
PRO0009	ARECIBO	66 40.0	OP	50000	0	0	0	
5 SCP I	PREPA	170		345.0	18000	27417		
PR6SAJ2005	CE-26	18 14.5	H8	416.7	0	0	3188.4	0.
2 SCP I	CTALES	66 30.5	FP	44400	2079	7330	434.97	2000
PRISAJ0021	LAGO EL GUINEO	18 9.5	HI	727.0	1920	2374	0	
PRO0012	CTALES	66 31.6	OP	2180	0	0	0	
5 SCP I	PREPA	1		4.5	1920	2374		
PR6SAJ2006	7-5 SITE	18 19.0	H8	206.0	0	0	2449.5	0.
PRU0003	CTALES	66 27.4	FP	130000	1378	12070	202.94	2000
2 DFC I	PREPA	127		284.4	1378	12070		
PRMSAJ0024	COMERIO 1	18 16.1	H	47.0	0	0	716.82	0.
PRO0019	COMERIO	66 12.4	OP	500	7970	23682	30.268	1000
2 DRC I	PREPA	136		308.0	7970	23682		
PRMSAJ0714	COMERIO 2	18 15.7	H	128.0	0	0	698.56	0.
PRO0018	COMERIO	66 12.4	OP	1825	7703	22901	30.503	1000
2 DRC I	PREPA	135		308.0	7703	22901		

FM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
CODE	CODE	CODE	CODE	NAME OF STREAM	DR. AREA	DR. AREA	(D M.M)	(D M.M)	AVE. Q	PMR. HD.	TOT. CAP.	TOT. ENRG	ERC COMPOSITE
					(SQ. MI)	(SQ. MI)	(AC FT)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	
					(CF8)	(CF8)	(KW)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)		
PROSAJ0801	2	SCP I		CARTE PLANT 2	GUAYAMA	PREPA	18 2.1	2.1	HIS	821.0	0	197.71	
							66 6.4	6.4	OP	14960	1708	34.703	1000
										384.6	1708		
PROSAJ0802	2	SCP I		CARTE PLANT 3	GUAYAMA	PREPA	18 0.8	0.8	HIS	821.0	0	136.91	
							66 6.9	6.9	OP	14960	918	43.119	1000
										219.7	918		
PROSAJ0709	2	PRO0021		LAGO CARITE	LAGO GUAYAMA	PREPA	18 4.6	4.6	HIS	821.0	0	310.36	
							66 6.4	6.4	OP	14960	3482	27.882	0.
										741.2	3482		1000
PROSAJ0710	2	PRO0024		LAGO LOIZA	LAGO LOIZA	PREPA	18 19.6	19.6	HS	95.0	0	323.74	
							66 0.8	0.8	OP	30000	2667	40.699	0.
										83.5	2667		1000
PROSAJ0025	2	PRO0013		LAGO GUAYABAL	JUANA DIAZ	JACAGUAS	18 5.4	5.4	IS	117.0	0	206.76	
							66 30.1	30.1	OP	8248	1556	41.864	0.
										112.7	1556		1000
PROSAJ0026	2	PRO0014		LAGO TDA VACA	JUANA DIAZ	TDA VACA	18 6.1	6.1	IS	215.0	0	202.47	
							66 29.2	29.2	OP	60143	1627	36.121	0.
										200.6	1627		1000
PROSAJ0027	2	PRO0004		LAGO TDA VACA	LAS MARIAS	PREPA	18 16.9	16.9	HS	259.5	0	4575.0	
							67 1.5	1.5	FP	224000	14276	146.29	0.
										228.9	14276		2000
PRISAJ0704	5	PRO0002		PRIETO	PRIETO	PREPA	18 11.2	11.2	HI	911.0	20000	0	
							66 51.8	51.8	OP	880	0	0	
										800.0	20000		
PROSAJ2016	2	SCP I		CE-24 SITE	MOROVIS	PREPA	18 17.4	17.4	HS	393.3	0	4778.6	
							66 25.5	25.5	FP	120000	6457	237.84	0.
										355.4	6457		2000



FM 2 ID NO	PROJECT NAME	PRIMARY CD.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. ENERGY	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	DR. AREA	(D M.M)	(S M.M)	AVE. G	(FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
CODE			(D M.M)	(S M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE			(SQ MI)	(SQ MI)	(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)
STATUS											
PRISAJ0800	HICAGO	H	18 15.8	65 47.0	0	0	0	0	0	0	0
5	DRA I	OP				5000	17800				
PRISAJ0708	LAGO DE MATRULLAS	HI	18 12.7	66 28.8	120.0	8640	15678	0	0	0	0
PRO0015	ORCOVIS	OP	66 28.8	4	3590	0	0	0	0	0	0
9	DRA I	OP			1594.4	8640	15678				
PRCSAJ0029	LAGO PATILLAS	I	18 1.4	66 1.2	126.6	0	0	0	0	150.62	0.
PRO0023	PATILLAS	OP	66 1.2	25	17073	978	3451	0	0	43.640	0.
2	SCP I	OP			109.7	978	3451				1000
PR6SAJ0713	RIO PORTUGUES	CSR	18 3.7	66 38.0	265.0	0	0	0	0	2328.8	0.
PRU0002	PONCE	DM	66 38.0	11	28000	831	2925	0	0	796.5	0.
5	SCP I	OP			213.7	831	2925				1000
PROSAJ0703	GUAJATACA LAGO	HI	18 23.9	66 55.3	212.0	0	0	0	0	149.44	0.
PRO0001	GUERRADILLAS	OP	66 55.3	24	49200	963	3386	0	0	44.127	0.
2	SCP I	OP			105.8	963	3386				1000
PRASAJ0030	LAGO COAMO	I	18 1.0	66 23.3	65.0	0	0	0	0	150.41	0.
PRO0016	SANTA ISABEL	OP	66 23.3	66	1500	1078	3194	0	0	47.93	0.
5	ORC I	OP			52.9	1078	3194				1000
PROSAJ0031	LAGO LA PLATA	S	18 21.0	66 14.5	131.1	0	0	0	0	353.89	0.
PRO0017	TCA ALTA	OP	66 14.5	175	38545	3191	9415	0	0	37.585	0.
2	SCP I	OP			114.5	3191	9415				1000
PRISAJ0032	LAGO CADNILLAS	HR	18 16.6	66 39.1	575.0	17600	38682	0	0	0	0.
PRO0011	UTUADO	OP	66 39.1	80	65800	0	0	0	0	0	0.
5	SCP I	OP			469.5	17600	38682				0.
PRISAJ0707	LAGO VIVI	H	18 13.9	66 40.8	205.0	4000	7993	0	0	0	0.
PRO0010	UTUADO	OP	66 40.8	29	380	0	0	0	0	0	0.
5	ORC I	OP			190.0	4000	7993				1000

PM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	AVE. G	PHR. HD.	TOT. CAP.	TOT.ENERG	(1000 \$)	ERC COMPOSITE
CODE CODE		(D M.M)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(D M.M)	(AC FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS		(SQ.MI)	(FT)	(KW)	(MWH)		(SEQUENCE RANK)
PRISAJ0033	LAGO LUCCHETTI	18 6.0	369.0	8000	17748	0	
5	YAUCCO	66 52.0	2080	8000	17748	0	
5	SCP I	56	309.6	8000	17748	0	
PRCSAJ0034	PRESADA LOCO	18 2.7	76.0	0	0	203.53	
PRO0004	YAUCCO	66 53.2	2500	1212	3851	52.844	
5	DRC I	65	65.9	1212	3851		
	PREPA						







FM 2 ID NO	PROJECT NAME	STATUS	DAM HT	EXIST. CAP.	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	DR. AREA	LONGITUDE	MX. STOR.	INC. ENERGY	ERC NON-ECONOMIC
ACTV CODE	OWNER	(D.M.M)	(FT)	(KW)	(MWH)	ERC COMPOSITE
FILE CODE		(D.M.M)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
STATUS		(SQ.MI)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
RIANED173	CENT FALLS DAM	41 53.2	0	0	233.5	1409
RI 64	PROVIDENCE	71 22.8	160	727	57.484	1409
2 DRC I	BASSET REALTY CO.	477	11.0	727	4054	1409
RIANED8506	EAST PROVIDENCE WATER WORKS	41 49.9	25.0	0	92.547	1527
RI00407	PROVIDENCE SEEKONK RIVER	71 20.5	0	228	87.783	1527
2 DRC	EAST PROVIDENT WATER WORKS	52	25.0	228	1054	1527
RIINED9001	GAINER MEMORIAL DAM	41 45.0	86.0	1500	4000	0
RI60161	PROVIDENCE NORTH BRANCH	71 35.4	0	0	0	0
2 DRC	CITY OF PROVIDENCE	92	85.9	1500	4000	0
RICNED8504	HARRIS POND	42 1.0	34.0	0	78.970	1522
RI00073	PROVIDENCE MILL RIVER	71 30.4	0	198	85.611	1522
2 DRC	CITY OF WOODSOCKET	33	34.0	198	922	1522
RIANED9059	MANVILLE	41 58.3	0	0	221.68	1282
RI 59	PROVIDENCE BLACKSTONE	71 28.1	0	1132	35.117	1282
2 DRC I	MARGEL CONROYER	430	19.0	1132	6312	1282
RIANED9060	PAWTNET LOWER	41 52.5	0	0	231.55	1297
RI 66	PROVIDENCE BLACKSTONE	71 22.6	0	1110	37.151	1297
2 DRC I	BLACKSTONE VALLEY ELECT.	478	17.0	1110	6232	1297
RIMNED8505	PAWTUCKET UPPER	41 52.6	7.0	0	193.28	1482
RI00065	PROVIDENCE BLACKSTONE RI	71 22.9	0	470	74.210	1482
2 DRC	PAWTUCKET	478	7.0	470	2604	1482
RIANED1771	PRATT	41 54.7	15.0	0	210.64	1355
RI 62	PROVIDENCE BLACKSTONE	72 24.4	393	840	45.644	1355
2 DRC I	J. W. MILLS	444	15.0	840	4614	1355
RIMNED1772	VALLY FALLS PD	41 53.7	0	0	225.68	1359
RI 63	PROVIDENCE BLACKSTONE	71 23.3	826	877	46.434	1359
2 DRC I	BLACKSTONE FALLS ASSOC.	446	14.0	877	4860	1359

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. OWNER	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
ACTV CODE	DR AREA	(D M M)	AVE. Q	(FT)	(KW)	(MHH)	(1000 \$)	ERC COMPOSITE
CODE	(D M M)	(D M M)	(CFS)	(AC FT)	(KW)	(MHH)	(\$/MHH)	(SEQUENCE RANK)
FILE	(SQ MI)	(SQ MI)		(FT)	(KW)	(MHH)		(SEQUENCE RANK)
STATUS								(SEQUENCE RANK)
RIANED1767	WOODSOCK FALLS	42 0.0	0	0	0	0	213.0	1206
RI 56	PROVIDENCE	71 31.1	OP	29.0	1503	8329	25.372	1206
2 DRC I	CITY WOODSOCKET	369			1503	8329		1206
RIMNED0500	POTTER HILL	41 24.7	0	8.0	0	0	156.90	1533
RI00254	WASHINGTON	71 47.8	OP	8.0	312	1767	88.748	1533
2 DRC	HELLEN COTTRELL	240		8.0	312	1767		1533





... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF SOUTH CAROLINA

POTENTIAL INCREMENTAL CAPACITY RANGES											
	.05 MW	5 MW	10 MW	10 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW
	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	UNDEV
	TOTAL	INCR	TOTAL	INCR	TOTAL	INCR	TOTAL	INCR	TOTAL	INCR	TOTAL
	INST	POTEN	INST	POTEN	INST	POTEN	INST	POTEN	INST	POTEN	EXIST
	1 CAP	2 CAP	1 CAP	2 CAP	1 CAP	2 CAP	1 CAP	2 CAP	1 CAP	2 CAP	3 CAP
	4 CAP	3 CAP	4 CAP	3 CAP	4 CAP	3 CAP	4 CAP	3 CAP	4 CAP	3 CAP	4 CAP
	1	2	1	2	1	2	1	2	1	2	1
	2	3	1	2	1	2	1	2	1	2	3
	3	4	1	2	1	2	1	2	1	2	3
	4	5	1	2	1	2	1	2	1	2	3
	5	6	1	2	1	2	1	2	1	2	3
	6	7	1	2	1	2	1	2	1	2	3
	7	8	1	2	1	2	1	2	1	2	3
	8	9	1	2	1	2	1	2	1	2	3
	9	10	1	2	1	2	1	2	1	2	3
	10	11	1	2	1	2	1	2	1	2	3
	11	12	1	2	1	2	1	2	1	2	3
	12	13	1	2	1	2	1	2	1	2	3
	13	14	1	2	1	2	1	2	1	2	3
	14	15	1	2	1	2	1	2	1	2	3
	15	16	1	2	1	2	1	2	1	2	3
	16	17	1	2	1	2	1	2	1	2	3
	17	18	1	2	1	2	1	2	1	2	3
	18	19	1	2	1	2	1	2	1	2	3
	19	20	1	2	1	2	1	2	1	2	3
	20	21	1	2	1	2	1	2	1	2	3
	21	22	1	2	1	2	1	2	1	2	3
	22	23	1	2	1	2	1	2	1	2	3
	23	24	1	2	1	2	1	2	1	2	3
	24	25	1	2	1	2	1	2	1	2	3
	25	26	1	2	1	2	1	2	1	2	3
	26	27	1	2	1	2	1	2	1	2	3
	27	28	1	2	1	2	1	2	1	2	3
	28	29	1	2	1	2	1	2	1	2	3
	29	30	1	2	1	2	1	2	1	2	3
	30	31	1	2	1	2	1	2	1	2	3
	31	32	1	2	1	2	1	2	1	2	3
	32	33	1	2	1	2	1	2	1	2	3
	33	34	1	2	1	2	1	2	1	2	3
	34	35	1	2	1	2	1	2	1	2	3
	35	36	1	2	1	2	1	2	1	2	3
	36	37	1	2	1	2	1	2	1	2	3
	37	38	1	2	1	2	1	2	1	2	3
	38	39	1	2	1	2	1	2	1	2	3
	39	40	1	2	1	2	1	2	1	2	3
	40	41	1	2	1	2	1	2	1	2	3
	41	42	1	2	1	2	1	2	1	2	3
	42	43	1	2	1	2	1	2	1	2	3
	43	44	1	2	1	2	1	2	1	2	3
	44	45	1	2	1	2	1	2	1	2	3
	45	46	1	2	1	2	1	2	1	2	3
	46	47	1	2	1	2	1	2	1	2	3
	47	48	1	2	1	2	1	2	1	2	3
	48	49	1	2	1	2	1	2	1	2	3
	49	50	1	2	1	2	1	2	1	2	3
	50	51	1	2	1	2	1	2	1	2	3
	51	52	1	2	1	2	1	2	1	2	3
	52	53	1	2	1	2	1	2	1	2	3
	53	54	1	2	1	2	1	2	1	2	3
	54	55	1	2	1	2	1	2	1	2	3
	55	56	1	2	1	2	1	2	1	2	3
	56	57	1	2	1	2	1	2	1	2	3
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	59	60	1	2	1	2	1	2	1	2	3
	60	61	1	2	1	2	1	2	1	2	3
	61	62	1	2	1	2	1	2	1	2	3
	62	63	1	2	1	2	1	2	1	2	3
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	65	66	1	2	1	2	1	2	1	2	3
	66	67	1	2	1	2	1	2	1	2	3
	67	68	1	2	1	2	1	2	1	2	3
	68	69	1	2	1	2	1	2	1	2	3
	69	70	1	2	1	2	1	2	1	2	3
	70	71	1	2	1	2	1	2	1	2	3
	71	72	1	2	1	2	1	2	1	2	3
	72	73	1	2	1	2	1	2	1	2	3
	73	74	1	2	1	2	1	2	1	2	3
	74	75	1	2	1	2	1	2	1	2	3
	75	76	1	2	1	2	1	2	1	2	3
	76	77	1	2	1	2	1	2	1	2	3
	77	78	1	2	1	2	1	2	1	2	3
	78	79	1	2	1	2	1	2	1	2	3
	79	80	1	2	1	2	1	2	1	2	3
	80	81	1	2	1	2	1	2	1	2	3
	81	82	1	2	1	2	1	2	1	2	3
	82	83	1	2	1	2	1	2	1	2	3
	83	84	1	2	1	2	1	2	1	2	3
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	85	86	1	2	1	2	1	2	1	2	3
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	87	88	1	2	1	2	1	2	1	2	3
	88	89	1	2	1	2	1	2	1	2	3
	89	90	1	2	1	2	1	2	1	2	3
	90	91	1	2	1	2	1	2	1	2	3
	91	92	1	2	1	2	1	2	1	2	3
	92	93	1	2	1	2	1	2	1	2	3
	93	94	1	2	1	2	1	2	1	2	3
	94	95	1	2	1	2	1	2	1	2	3
	95	96	1	2	1	2	1	2	1	2	3
	96	97	1	2	1	2	1	2	1	2	3
	97	98	1	2	1	2	1	2	1	2	3
	98	99	1	2	1	2	1	2	1	2	3
	99	100	1	2	1	2	1	2	1	2	3
	100	101	1	2	1	2	1	2	1	2	3
	101	102	1	2	1	2	1	2	1	2	3
	102	103	1	2	1	2	1	2	1	2	3
	103	104	1	2	1	2	1	2	1	2	3
	104	105	1	2	1	2	1	2	1	2	3
	105	106	1	2	1	2	1	2	1	2	3
	106	107	1	2	1	2	1	2	1	2	3
	107	108	1	2	1	2	1	2	1	2	3
	108	109	1	2	1	2	1	2	1	2	3
	109	110	1	2	1	2	1	2	1	2	3
	110	111	1	2	1	2	1	2	1	2	3
	111	112	1	2	1	2	1	2	1	2	3
	112	113	1	2	1	2	1	2	1	2	3
	113	114	1	2	1	2	1	2	1	2	3
	114	115	1	2	1	2	1	2	1	2	3
	115	116	1	2	1	2	1	2	1	2	3
	116	117	1	2	1	2	1	2	1	2	3
	117	118	1	2	1	2	1	2	1	2	3
	118	119	1	2	1	2	1	2	1	2	3
	119	120	1	2	1	2	1	2	1	2	3
	120	121	1	2	1	2	1	2	1	2	3
	121	122	1	2	1	2	1	2	1	2	3
	122	123	1	2	1	2	1	2	1	2	3
	123	124	1	2	1	2	1	2	1	2	3
	124	125	1	2	1	2	1	2	1	2	3
	125	126	1	2	1	2	1	2	1	2	3
	126	127	1	2	1	2	1	2	1	2	3
	127	128	1	2	1	2	1	2			

... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF SOUTH CAROLINA

POTENTIAL INCREMENTAL CAPACITY RANGES														
	.05 MW = 15 MW			15 MW = 25 MW			GREATER THAN 25 MW			TOTAL				
EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	EXIST	UNDEV	TOTAL
INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	
1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP
0-19	0.0*	8.4*	9.3*	17.8*	40.9*	40.9*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	6.4*
20-49	12*	15*	2*	17*	1*	2*	1*	3*	0*	1*	1*	2*	13*	18*
50-99	21.1*	54.2*	9.4*	63.7*	33.0*	20.7*	38.5*	59.2*	51.1*	54.0*	33.7*	391*	565*	129*
>100	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	785*	967*	0.0*
TOTAL	76.4*	123*	40.6*	164*	116*	63.4*	116*	180*	1478*	122*	1129*	1251*	1607*	309*
NUMBER	16*	23*	4*	27*	3*	3*	6*	9*	10*	3*	7*	10*	29*	29*
CAPCTY	16*	23*	4*	27*	3*	3*	6*	9*	10*	3*	7*	10*	29*	29*
ENERGY	364*	340*	156*	496*	203*	144*	322*	467*	2037*	221*	1605*	1826*	2604*	706*

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

FM 2 ID NO	FM 1 ID NO	ACTY CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO. NAME	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	INC. ENRGY	ANNUAL COST	ERC ECONOMIC
SC9SAC0091	SC00247	5	DRC	I	ROCKY RIVER	ROCKY RIVER	CITY OF ABBEVILLE	34 15.5	82 36.6	HRD	60.0	2800	0	9909	0	0	0.
								196	196	OP	78.0	2600	0	9909	0	0	0.
SC6SAC0074	SCU0007	2	DRC		UPPER WARE SHOALS	SALUDA RIVER	ABBREVILLE	34 26.0	82 16.0	MC	83.0	0	0	34367	3228.7	0.	0.
								530	530	IS	59.4	20217	20217	34367	93.947	0.	0.
SC9SAC0757		2	DFC		ROCKY SPRINGS	ROCKY SPRINGS	ATKEN	33 40.9	81 33.1	H	170.0	0	0	438000	22614	0.	0.
								198	198	SI	189.8	500000	500000	438000	51.631	0.	2000
SC6SAC0756		5	DRC		SHAW CREEK	SOUTH FORK ED	ATKEN	33 33.9	81 30.2	CRSO	70.0	0	0	9362	5073.4	0.	0.
								364	364	SI	34.9	4717	4717	9362	541.89	0.	0.
SC6SAC0077	SC01078	2	DRC		LOWER PELTER	SALUDA RIVER	THE KENDALL COMPANY	34 37.1	82 27.2	H	44.0	3280	3217	15524	279.79	0.	0.
								414	414	OP	273	6497	6497	17143	172.50	0.	1000
SC9SAC0078	SC01079	5	DRC		UPPER PELTER	SALUDA RIVER	THE KENDALL COMPANY	34 39.8	82 27.7	H	27.0	1650	2514	9836	283.46	0.	0.
								409	409	OP	963	4164	4164	2093	136.33	0.	0.
SC9SAC0080	SC01076	5	DFC		JEFFERIES	DIVERSION CAN	S C PUBLIC SERV ARTH	33 16.7	79 58.7	HRNC	80.8	132615	0	129000	0	0.	0.
								15000	15000	OP	110000	132615	132615	129000	0	0.	0.
SC9SAC0079	SCU0003	5	DFC		ST. STEPHEN	SANTEE COOPER	BERKELEY	33 24.0	79 54.9	H	16.0	84000	0	418000	0	0.	0.
								15000	15000	UC	110000	84000	84000	418000	0	0.	0.
SC9SAC0086	SC01081	2	DRC		CHEROKEE FALLS	BROAD RIVER	CHEROKEE	35 3.7	81 33.2	H	15.0	0	8473	771.28	0.	0.	0.
								1500	1500	OP	1275	8473	8473	27606	27.938	0.	1000









PM 2 ID NO	PROJECT NAME	PRIMRY CD.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	ACTV DEP	OWNER	DR. AREA	(D.M.M)	(D.M.M)	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC COMPOSITE
CODE	FILE		(SQ. MI)	(SQ. MI)	(SQ. MI)	AVE. Q	(CFT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
STATUS			(CFS)	(CFS)	(CFS)	(MWH)	(MWH)	(MWH)	(MWH)	(8/MWH)	(SEQUENCE RANK)
SC6SAS0099	WAR WOMAN	OCONEE	CHATTOOGA RIV	83 13.9	83 13.9	HR	195.0	20769	58730	4450.9	0.
6	DRC D			163	163	IS	161500	20769	58730	75.785	0.
SC6SAC0755	TRACKSTON	ORANGEBURG	NORTH FORK ED	33 30.7	80 55.6	CRSD	60.0	0	0	4938.7	0.
5	DRC			590	590	SI	286000	4536	11963	412.61	0.
SCISAS0109	LAKE KEOWEE	PICKENS	KEOWEE RIVER	34 47.9	82 53.2	HRD	160.0	157500	105850	0	0.
5	DRC D	DUKE POWER COMPANY		451	451	OP	960000	0	0	0	0.
SCMSAS0300	NO. 1 DAN RIVER INC.	PICKENS	TWELVE MILE C	34 45.9	82 47.5	H	49.0	0	0	374.90	0.
2	DRC I	DAN RIVER INC.		150	150	OP	49.0	6879	14852	25.242	0.
SCMSAS0301	NO. 2 DAN RIVER INC.	PICKENS	TWELVE MILE C	34 46.5	82 46.8	H	43.0	0	0	356.62	0.
2	DRC I	DAN RIVER INC.		130	130	OP	37.0	5501	10856	32.648	0.
SCJSAC0124	COLUMBIA	RICHLAND	BROAD	34 1.9	81 4.2	H	14.0	10600	76481	0	0.
5	DRC	S C ELECT AND GAS CN		5230	5230	OP	32.0	10600	76481	0	0.
SC6SAC0750	COLUMBIA	RICHLAND	BROAD RIVER	34 1.8	81 4.1	HC	100.0	0	0	16958	0.
6	DRC E			5240	5240	IS	478340	145154	322799	52.534	0.
SC6SAC0120	FROST SHOALS	RICHLAND	BROAD RIVER	34 1.7	81 4.0	H	95.0	0	0	16908	0.
2	DRC D			5130	5130	IS	333750	177349	268159	63.53	0.
SC4SAC0763	LOCK/DAM #1	RICHLAND	CONGAREE RIVE	33 44.5	80 37.7	N	29.0	0	0	5272.2	0.
2	DRC S			8500	8500	IS	15.9	21460	90107	58.511	0.



FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
PM 1 ID NO	PRIMARY CO.	NAME OF STREAM	DR.AREA	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NON-ECONOMIC
ACTV CODE	OWNER	DR.AREA	(D M.H)	(SQ.MI)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)
FILE		(D M.H)	(SQ.MI)	(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(\$/MWH)
STATUS		(SQ.MI)	(SQ.MI)	(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
		(SQ.MI)	(SQ.MI)	(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
SC48AC0764	LOCK/DAM #2	33 45.8	80 46.5	10070.0	17000	9336	62692	68.201	0.
2	RICHLAND	8440	13.9						2000
SC48AC0765	LOCK/DAM #3	33 49.9	80 54.9		33.0	0	0	5196.1	0.
2	RICHLAND	8250	14.9	9840.0	30000	19327	81988	63.377	0.
SC6SAC0728	REGULATOR	33 57.4			42.0	0	0	6362.2	0.
SCU0004	RICHLAND	81 2.4		9329.0	24000	56522	179009	35.541	0.
2	RICHLAND	7710	34.7						2000
SCPSAC0130	BERRY SHOALS DAM	34 53.2			46.0	0	0	242.97	0.
SC00736	SPARTANBURG	82 6.2			744	2104	6365	36.169	0.
2	STARTEX MILLS	100		140.0	73.9	2104	6365		1000
SC6SAC0125	BURNT FACTORY	34 41.6			95.0	0	0	3136.2	0.
SCU0011	SPARTANBURG	81 49.8		588.0	79000	9484	26835	116.87	0.
2	SPARTANBURG	420			83.9	9484	26835		2000
SCMSAC0134	CLIFTON NO 1	34 58.8			24.0	0	0	257.19	0.
SC01061	SPARTANBURG	81 49.3			100	1857	5854	43.928	0.
5	DAN RIVER MILLS INC	319		486.5	20.9	1857	5854		0.
SCMSAC0135	CLIFTON NO 2	34 58.8			16.0	0	0	242.61	0.
SC01062	SPARTANBURG	81 48.9			100	1400	5000	48.522	0.
5	DAN RIVER MILLS INC	320		488.0	16.9	1400	5000		0.
SCMSAC0136	CLIFTON NO 3	34 59.7			34.5	0	0	286.32	0.
SC01063	SPARTANBURG	81 50.1			400	2638	7454	38.406	0.
2	DAN RIVER MILLS INC	318		485.0	26.5	2638	7454		1000
SC6SAC0742	FINGERVILLE RESERVOIR	35 0.8			94.5	0	0	2451.4	0.
SC01064	SPARTANBURG	82 0.0			130900	2332	7119	344.34	0.
5	SPARTANBURG	104		190.0	70.6	2332	7119		0.



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG.	ANNUAL COST	ERC ECONOMIC
ACTV DEP	NAME OF STREAM	FILE	STATUS	DR AREA	DR AREA	AVE. Q	PMR. HD.	INC. CAP.	INC. ENRG.	ENERGY COST	ERC NONECONOMIC
CODE				(D M.M)	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
FILE				(SQ.MI)	(SQ.MI)		(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS							(FT)	(KW)	(MWH)		(SEQUENCE RANK)
SC68AC0758	ENDREE RIVER	UNION	ENDREE RIVER	34 31.0	81 36.9	H	100.0	12033	29973	5173.1	0.
5 DRC E				440	440	SI	247200	12033	29973	172.58	0.
SCJSAC0140	LOCKHART	UNION	BROAD RIVER	34 47.9	81 27.6	H	25.0	12300	83734	0	0.
5 DRC				2600	2600	OP	2400	12300	83734	0	0.
SCISAC0139	NEAL SHOALS	UNION	BROAD	34 39.8	81 26.8	HR	32.7	5200	34407	718.44	0.
2 DRC				2730	2730	CP	6000	8321	10714	67.53	0.
SC68AC0759	TYGER RIVER	UNION	TYGER RIVER	34 32.9	81 33.9	H	110.0	21227	61024	8055.0	0.
2 SCP E				750	750	SI	519360	21227	61024	131.99	0.
SC68AC0748	WHITMIRE	UNION	ENDREE AND TY	34 33.0	81 33.9	HC	107.0	20420	80519	10531	0.
2 SCP E				1110	1110	IS	748650	20420	80519	130.79	0.
SC68AC0141	GREATER LOCKHART	YORK	BROAD RIVER	34 48.3	81 28.1	HCR	130.0	149568	232911	26720	0.
2 SCP				2600	2600	IS	2250000	149568	232911	114.72	0.
SCISAC0143	LAKE WYLIE	YORK	CATAWBA	35 1.3	81 0.4	HR	89.8	60000	163257	0	0.
5 DRC				3020	3020	OP	281900	60000	163257	0	0.
SC68AC0730	SUGAR CREEK	YORK	CATAWBA RIVER	34 56.6	80 52.1	H	36.5	26392	88722	4959.5	0.
2 DRC				3340	3340	IS	17000	26392	88722	55.899	0.







PM 2 ID NO	PROJECT NAME	LAITUDE	LONGITUDE	DR AREA	DR AREA (D M M)	DR AREA (D M M)	DR AREA (SQ MI)	STATUS	PROJECT PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRGY (MWH)	INC. ENRGY (MWH)	TOT. ENRGY (MWH)	ANNUAL ENERGY COST (\$/MWH)	ERC ECONOMIC COST	ERC NONECONOMIC COST	ERC COMPOSITE COST	(SEQUENCE RANK)
SDIMR00271	LAF SHARPE	44 2.3	99 26.8	249330	249330	249330	249330	5	MISSOURI RIVE	95.0	468000	0	468000	1226896	0	1226896	0	0	0	0	0
SDIMR00274	LAF FRANCIS CASE	43 3.9	98 33.2	263500	263500	263500	263500	6	MISSOURI RIVE	175.0	320000	0	320000	1680000	0	1680000	0	0	0	0	0
SDIMR00281	LAKE DAHE	44 27.0	100 23.2	243500	243500	243500	243500	6	MISSOURI RIVE	200.0	595000	0	595000	2668000	0	2668000	0	0	0	0	0
SDIMR00298	SPEARFISH 2	44 20.5	103 54.8					5	SPEARFISH CRE	0	4000	0	4000	13000	0	13000	0	0	0	0	0
SDIMR00297	SPEARFISH 1	44 25.0	103 52.0					5	SPEARFISH CR	0	4000	0	4000	19000	0	19000	0	0	0	0	0
SDIMR00292	LENTS AND CLARK LAKE	42 50.9	97 26.8					6	MISSOURI RIVE	63.0	100000	0	100000	697000	0	697000	0	0	0	0	0





PRELIMINARY ESTIMATE . . .

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF TENNESSEE

Table with columns for dam categories (0-19, 20-49, 50-99, >100), capacity (MW), and energy (GWH). Rows include 'NUMBER', 'CAPACITY', and 'ENERGY' for each category. Includes a 'TOTAL' row at the bottom.

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS
COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS
COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES
COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)
CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF TENNESSEE

POTENTIAL INCREMENTAL CAPACITY RANGES

	.05 MW = 15 MW				15 MW = 25 MW				GREATER THAN 25 MW				TOTAL			
	EXIST	UNDEV	TOTAL	INCR	EXIST	UNDEV	TOTAL	INCR	EXIST	UNDEV	TOTAL	INCR	EXIST	UNDEV	TOTAL	
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
NUMBER	0*	0*	0*	0*	0*	0*	0*	0*	1*	1*	1*	1*	1*	1*	1*	1*
CAPCTY	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	36.0*	58.3*	58.3*	58.3*	36.0*	0.0*	0.0*	58.3*
ENERGY	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	166*	504*	504*	504*	166*	0.0*	0.0*	504*
NUMBER	0*	0*	0*	0*	0*	0*	0*	0*	3*	2*	2*	2*	3*	0*	0*	2*
CAPCTY	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	237*	122*	122*	122*	237*	0.0*	0.0*	122*
ENERGY	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	1712*	369*	369*	369*	1712*	0.0*	0.0*	369*
NUMBER	1*	2*	0*	0*	1*	0*	0*	0*	12*	0*	0*	0*	13*	3*	0*	3*
CAPCTY	10.6*	9.4*	0.0*	0.0*	21.7*	0.0*	0.0*	0.0*	1205*	0.0*	0.0*	0.0*	1216*	31.2*	0.0*	31.2*
ENERGY	33.2*	26.3*	0.0*	0.0*	52.7*	0.0*	0.0*	0.0*	6328*	0.0*	0.0*	0.0*	6361*	79.1*	0.0*	79.1*
NUMBER	0*	0*	0*	0*	0*	0*	0*	0*	8*	1*	4*	5*	10*	1*	5*	6*
CAPCTY	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	568*	324*	314*	639*	607*	324*	326*	650*
ENERGY	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	2859*	659*	659*	659*	2970*	0.0*	691*	691*
NUMBER	1*	2*	1*	3*	1*	0*	0*	0*	24*	1*	7*	8*	27*	4*	8*	12*
CAPCTY	10.6*	9.4*	11.8*	21.2*	39.0*	0.0*	0.0*	0.0*	2046*	324*	495*	819*	2086*	356*	507*	862*
ENERGY	33.2*	26.3*	58.7*	111*	52.7*	0.0*	0.0*	0.0*	11064*	0.0*	1552*	1552*	11208*	79.1*	1584*	1663*

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

FM 2 ID NO	PROJECT NAME	PRIMARY CO. -NAME	OWNER	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	MERC ECONOMIC
ACTV DEP	FILE	STATUS	DR. AREA	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
CODE	FILE	STATUS	(D M.M)	(D M.M)	AVE. Q	(FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
FILE	STATUS	STATUS	(89.MI)	(AC FT)	(CFS)	(AC FT)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)
STATUS	STATUS	STATUS	(89.MI)	(FT)	(CFS)	(FT)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)
TNDRN0093	COUNTY LINE	DUCK RIVER	35 34.7	75.0	H	65.0	0	0	0	0.
TNU0037	BEDFORD	IS	86 39.0	0	IS	0	19490	33046	4821.8	0.
6 DRC I	TVA	IS	717	52.9	IS	1150.0	19490	33046	145.90	0.
TNDRN0097	CALDERWOOD LAKE	LITTLE TENNESSEE	35 29.4	232.0	HR	232.0	121500	756300	0	0.
TN00906	BLOUNT	OP	83 58.8	5000	OP	230.0	0	0	0	0.
5 DFC I	TAPOCO INC.	IS	1856	230.0	IS	-4309.7	121500	756300	0	0.
TNDRN0096	CHYLHONNEE LAKE	LITTLE TENNESSEE	35 32.7	75.0	HR	75.0	50000	256800	0	0.
TN00905	BLOUNT	OP	84 3.0	4000	OP	30.0	0	0	0	0.
5 DFC I	TAPOCO INC	IS	1977	30.0	IS	-4590.7	50000	256800	0	0.
TNDRN0095	MOUNT NEBO	LITTLE RIVER	35 44.0	155.0	H	155.0	0	0	1775.8	0.
TNU0024	BLOUNT	IS	63 49.0	190000	IS	113.8	5310	17496	101.49	0.
5 DRC I	TVA	IS	188	113.8	IS	380.0	5310	17496	0	0.
TNDRN0094	NALE CREEK	LITTLE RIVER	35 48.1	70.0	H	70.0	0	0	1168.8	0.
TNU0023	BLOUNT	IS	83 53.5	71000	IS	30.9	5067	12147	96.224	0.
5 DRC I	TVA	IS	268	30.9	IS	510.0	5067	12147	0	0.
TNDRN0098	NORRIS LAKE	CLINCH RIVER	36 13.4	265.0	CHNR	265.0	100800	655300	0	0.
TN01302	CAMPBELL	OP	84 5.5	252000	OP	136.0	0	0	0	0.
5 DFC I	TVA	IS	2912	136.0	IS	-4336.1	100800	655300	0	0.
TNDRN0103	ELK MILLS	ELK RIVER	36 15.3	140.0	H	140.0	0	0	1304.6	0.
TNU0034	CARTER	IS	81 59.3	9500	IS	237.7	5392	15782	82.666	0.
5 DRC I	TVA	IS	69	237.7	IS	100.0	5392	15782	0	0.
TNDRN0102	HAMPTON	DOE RIVER	36 17.7	330.0	H	330.0	0	0	3749.0	0.
TNU0032	CARTER	IS	82 10.5	205000	IS	464.5	20417	56738	66.75	0.
5 DRC I	TVA	IS	126	464.5	IS	225.0	20417	56738	0	0.
TNDRN0101	PINE CAMP	ELK RIVER	36 13.4	155.0	H	155.0	0	0	1731.5	0.
TNU0020	CARTER	IS	81 58.1	23000	IS	57.4	11822	32408	53.429	0.
2 DRC I	TVA	IS	49	57.4	IS	90.0	11822	32408	0	2000

FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	DR AREA	DR AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER	(SQ. MI)	(SQ. MI)	AVE. G	(FT)	(KW)	(MWH)	(\$/MWH)	ERC COMPOSITE
CODE		(D M. M)	(D M. M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(30. MI)	(30. MI)		(FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS									
TN10104	WATAUGA LAKE	36 19.3	82 7.2	CHNR	316.0	50000	194000	0	0
TN10103	CARTER	82 7.2	468	OP	677000	0	0	0	0
5 DFC I	TVA				271.0	50000	194000		
TN10105	WILBUR LAKE	36 20.5	82 7.5	HR	77.0	10700	29479	0	0
TN10104	CARTER	82 7.5	471	OP	715	0	0	0	0
8 DRC I	TVA				64.0	10700	29479		
TN60107	CHEATHAM	36 16.9	87 13.1	HNR	70.0	36000	166000	0	0
TN2101	CHEATHAM	87 13.1	14159	OP	104000	0	0	0	0
6 DFC I	DAEN ORN				19.9	36000	166000		
TN60106	THREE ISLANDS DAM	36 15.1	87 11.3	HCR	142.0	0	0	3724.5	0
TN0013	CHEATHAM	87 11.3	854	PA	715000	18226	46516	80.71	0
1 DRC I	DAEN-ORN				66.9	18226	46516		
TN40109	CUMBERLAND GAP	36 32.5	83 38.2	H	195.0	0	0	7970.5	0
TN0036	CLATBORNE	83 38.2	685	IS	0	71389	117129	68.49	0
2 DRC I	TVA				171.8	71389	117129		2000
TN60108	WAR RIDGE	36 24.6	83 26.4	H	185.0	0	0	10837	0
TN0014	CLATBORNE	83 26.4	1480	IS	620000	113289	209420	51.751	0
2 DRC I	TVA				169.8	113289	209420		2000
TN10110	DALE HOLLOW	36 32.3	85 27.1	HCR	176.0	54000	138419	0	0
TN2702	CLAY	85 27.1	936	OP	1706000	0	0	0	0
5 SCP I	DAEN ORN				147.6	54000	138419		0
TN60200	NORMANDY DAM	35 27.1	86 14.1	C	115.0	0	0	425.63	0
2 DRC I	COFFEE	86 14.1	195	OP	134000	4256	11908	35.741	0
TN60115	HARTFORD	35 48.3	83 8.3	H	135.0	0	0	5138.0	0
TN0031	COOKE	83 8.3	546	IS	0	61001	219109	23.449	0
5 DRC I	TVA				371.6	61001	219109		0

FM 2 ID NO	PROJECT NAME	PROJECT CO.	NAME OF STREAM	OWNER	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	ANUL. COST	ERC ECONOMIC									
ACTV DEP	FILE	STATUS	DR. AREA	(D M.M)	(D M.M)	(SQ.MI)	(CFS)	(AC FT)	(FT)	AVE. Q	PR. HD.	TOT. CAP.	INC. CAP.	TOT. ENERGY	EXIST. ENERGY	ANUL. COST	ERC ECONOMIC		
CODE	FILE	STATUS	DR. AREA	(D M.M)	(D M.M)	(SQ.MI)	(CFS)	(AC FT)	(FT)	AVE. Q	PR. HD.	TOT. CAP.	INC. CAP.	TOT. ENERGY	EXIST. ENERGY	ANUL. COST	ERC ECONOMIC		
FILE	STATUS	DR. AREA	(D M.M)	(D M.M)	(SQ.MI)	(CFS)	(AC FT)	(FT)	AVE. Q	PR. HD.	TOT. CAP.	INC. CAP.	TOT. ENERGY	EXIST. ENERGY	ANUL. COST	ERC ECONOMIC			
TN6ORN0114	LONG CREEK		35 56.6	83	358	1892	18	3400.0	117.8	86113	86113	0	0	217496	217496	5369.5	24.688	0.	2000
2	DRC I	TVA																	
TN4ORN0113	OLD TOWN		35 58.8	83	81	1856	18	2822.0	71.9	42727	42727	0	0	129992	129992	5419.6	41.692	0.	0.
6	DRC I	TVA																	
TN6ORN0116	DADDYS CREEK		36 2.3	84	48.5	168	19	320.0	259.7	22768	22768	0	0	38073	38073	3175.0	83.392	0.	0.
5	ORC I	TVA																	
TN1ORN0121	J PERCY PRIEST		36 9.4	86	37.1	892	CRH			28000	28000	0	0	57221	57221	0	0	0.	0.
5	SCP I	DAEN ORN					OP	1320.5	99.9	28000	28000	0	0	57221	57221	0	0	0.	0.
TN6ORN0120	OLD HICKORY		36 17.7	86	39.3	11673	HNCR			100000	100000	0	0	621100	621100	0	0	0.	0.
5	DPC I	DAEN ORN					OP	18357.9	60.0	100000	100000	0	0	621100	621100	0	0	0.	0.
TN1ORN0122	CENTER HILL		36 5.7	85	49.6	2174	CHR			135000	135000	0	0	361763	361763	7376.9	0.	0.	0.
5	SCP I	DAEN ORN					OP	4463.7	170.3	324420	459420	0	0	77368	439112	95.372	0.	0.	0.
TN1ORN0124	TIMS FORD LAKE		35 11.8	86	16.6	529	CHSR			45000	45000	0	0	98900	98900	0	0	0.	0.
5	DPC I	TVA					OP	929.2	123.0	45000	45000	0	0	98900	98900	0	0	0.	0.
TN6ORN0125	WOODS RESERVOIR		35 17.9	86	5.8	263	SCR			0	0	0	0	14455	14455	532.56	0.	0.	1000
2	DRC I	DOD USAF					OP	490.9	62.9	5167	5167	0	0	14455	14455	36.842	0.	0.	0.
TN6ORN0129	BEAVER CREEK		36 5.9	83	37.8	3550	H			50654	50654	0	0	161315	161315	5909.9	0.	0.	2000
2	DRC I	TVA					IS	4920.0	49.9	50654	50654	0	0	161315	161315	36.836	0.	0.	0.

PM 2 ID NO	FM 1 ID NO	ACTV CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
DEP	CODE	CODE	CODE	CODE	OWNER	DR. AREA	DR. AREA	DR. AREA	DR. AREA	MX. STOR.	PHR. MD.	TOT. CAP.	TOT. CAP.	TOT. ENRG	ENERGY COST	ERC NON-ECONOMIC
						(D.M.M)	(D.M.M)	(D.M.M)	(D.M.M)	(FT)	(AC FT)	(KW)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
						(SQ.M)	(SQ.M)	(SQ.M)	(SQ.M)	(FT)	(FT)	(KW)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
TN60RNO131	TNU0039	2	DRC I	I	BUCKINGHAM FERRY	36 8.6	82 45.0	1096	1710.0	H	110.0	43313	43313	114701	3950.9	0.
TN70RNO130	TNU0026	6	DRC I	I	LOWER NOLICHUCKY	36 10.2	83 10.1	1630	2150.0	H	120.0	74265	74265	187570	6103.0	0.
TN10RNO134	TN06504	5	DFC I	I	CHICKAMAUGA LAKE	35 6.1	85 13.7	20790	-36504.1	NCHR	129.0	108000	108000	867300	0	0.
TN60RNO202	TNU0017	5	NWR	I	RACCOON MT. PUMP STORAGE	35 03.5	85 24.4			H	0	1500000	1500000	0	0	0.
TN10RNO136	TN07101	5	DFC I	I	PICKWICK LAKE	35 4.3	88 15.0	38820	-65023.3	OP	113.0	220000	220000	1363200	0	0.
TN60RNO137	TNU0017	6	DRC I	I	SURGOINSVILLE	36 28.2	82 50.8	2870	3560.0	H	75.0	53271	53271	167402	9375.4	0.
TN60RNO140	TNU0015	6	DRC I	I	TOTTY	35 47.3	87 23.2	1620	2820.0	H	105.0	51614	51614	129123	14392	0.
TN10RNO141	TN08903	5	DFC I	I	CHEROKEE LAKE	36 10.0	83 29.9	3429	-5070.2	CHNR	175.0	120000	120000	535000	0	0.
TN40RNO142	TNU0030	5	DRC I	I	HOPPER CREEK	36 23.6	81 54.4	106	170.0	H	165.0	5220	5220	15280	1572.6	0.

PM 2 ID NO	PROJECT NAME	LONGITUDE	DAM HT	EXIST. CAP.	INC. ENRG ANUL. COST	ERC ECONOMIC						
ACTV DEP	PRIMARY CO. NAME OF STREAM	DR. AREA	PROJ. PURP.	STATUS	AVE. G	MX. STOR.	INC. CAP.	TOT. CAP.	TOT. ENRGY	EXIST. ENRGY	ENERGY COST	ERC COMPOSITE
FILE	OWNER	(D M. M)	(D M. M)	(CFS)	(AC FT)	(FT)	(KWH)	(KWH)	(KWH)	(KWH)	(1000 \$)	(SEQUENCE RANK)
STATUS		(S. M. I)	(CFS)	(AC FT)	(FT)	(KWH)	(KWH)	(KWH)	(KWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)
TN6ORNO143	RIVERDALE	35 57.4	H	55.0	0	0	0	0	0	0	5875.2	0.
TNU0019	KNDX	83 45.7	IS	172000	71422	227379	227379	227379	227379	25.838	0.	2000
2 DRC I	TVA	5100		49.9	71422	227379	227379	227379	227379	25.838	0.	2000
TNSLMO020	BESSIE CUT-OFF LAKE	36 25.0	H	10.0	0	0	0	0	0	16715	0.	
TNU0004	MISSISSIPPI R	89 30.0	IS	0	58304	504086	504086	504086	504086	33.160	0.	
2 DRC I	U	92325		9.9	58304	504086	504086	504086	504086	33.160	0.	2000
TN4ORNO148	KELSO	35 7.8	H	75.0	0	0	0	0	0	4856.3	0.	
TNU0028	LINCOLN	86 26.5	IS	0	17477	38576	38576	38576	38576	125.88	0.	0.
6 DRC I	TVA	697		56.9	17477	38576	38576	38576	38576	125.88	0.	0.
TNIORNO150	FORT LOUDON LAKE	35 47.5	NCHR	122.0	135600	803900	803900	803900	803900	0	0.	
TN10501	LOUDON	84 14.6	OP	393000	0	0	0	0	0	0	0.	
5 DFC I	TVA	9550		72.0	135600	803900	803900	803900	803900	0	0.	0.
TNIORNO149	MELTON HILL LAKE	35 53.0	NHR	103.0	72000	258181	258181	258181	258181	0	0.	
TN10502	LOUDON	84 18.0	OP	126000	0	0	0	0	0	0	0.	
5 DRC I	TVA	3333		55.0	72000	258181	258181	258181	258181	0	0.	0.
TNIORNO151	NICKAJACK LAKE	35 0.1	NCHO	81.0	97200	668400	668400	668400	668400	0	0.	
TN11502	MARION	85 37.1	OP	252400	0	0	0	0	0	0	0.	
5 DFC I	TVA	21870		39.0	97200	668400	668400	668400	668400	0	0.	0.
TNCRNO201	COLIMBIA DAM	35 36.0	C	100.0	0	0	0	0	0	905.47	0.	
2 DRC I	MAURY	87 0.0	UC	36100	21780	52742	52742	52742	52742	17.167	0.	2000
TN6ORNO153	CHARLESTON	35 15.3	H	65.0	0	0	0	0	0	4285.7	0.	
TNU0038	MCMTNN	84 43.9	IS	238000	43081	140260	140260	140260	140260	30.555	0.	0.
6 DRC I	TVA	2189		49.9	43081	140260	140260	140260	140260	30.555	0.	0.
TNIORNO154	WATTS BAR LAKE	35 37.1	NCHR	112.0	153300	1061800	1061800	1061800	1061800	0	0.	
TN12102	MEIGS	84 46.9	OP	1175000	0	0	0	0	0	0	0.	
5 DFC I	TVA	17310		58.0	153300	1061800	1061800	1061800	1061800	0	0.	0.

FM 2 ID NO	PROJECT NAME	STATUS	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	DR.AREA	DR.AREA	DR.AREA	DR.AREA
ACTV DEP	OWNER	DR.AREA	(D H.M)	(D H.M)	(SQ.MI)	(CPS)	(AC FT)	(AC FT)
CODE	FILE	STATUS	(D H.M)	(D H.M)	(SQ.MI)	(CPS)	(AC FT)	(AC FT)
FILE	STATUS	DR.AREA	(D H.M)	(D H.M)	(SQ.MI)	(CPS)	(AC FT)	(AC FT)
STATUS	DR.AREA	(D H.M)	(D H.M)	(SQ.MI)	(CPS)	(AC FT)	(AC FT)	(AC FT)
TN40RN0155	ROSSVIEW DAM	RED RIVER	36 33.1	87 12.3	955	1420.0	152.0	372000
6	TNU0012	MONTGOMERY	87 12.3	955	1420.0	98.9	372000	23055
	6	DRC I	955					23055
TN6DRN0156	NEMO	OBED RIVER	36 5.7	84 41.0	517	950.0	340.0	410600
TNU0022	MORGAN		84 41.0	517	950.0	334.6	410600	240720
6	DRC I	TVA	517					240720
TN6DRN0157	SINKING CREEK	BUFFALO RIVER	35 31.1	87 50.5	449	710.0	160.0	700000
TNU0018	PERRY		87 50.5	449	710.0	133.8	700000	24652
5	DRC I	TVA	449					24652
TN6DRN0159	AUSTRAL	HIWASSEE RIVER	35 13.4	84 31.6	1223	2620.0	145.0	158000
TNU0041	POLK		84 31.6	1223	2620.0	102.8	158000	61113
5	DRC I	TVA	1223					61113
TNDRN0161	OCDEE NUMBER 3 LAKE	OCDEE RIVER	35 2.3	84 28.0	492	-1164.8	110.0	27000
TNI3903	POLK		84 28.0	492	-1164.8	4040	4040	0
5	DRC I	TVA	492					236500
TNDRN0162	OCDEE NUMBER 2 LAKE	OCDEE RIVER	35 4.9	84 29.5	512	-1212.2	30.0	21000
TNI3904	POLK		84 29.5	512	-1212.2	50	50	0
5	DRC I	TVA	512					21000
TNDRN0160	PARKSVILLE LAKE	OCDEE RIVER	35 5.7	84 38.9	595	-1339.0	135.0	18000
TNI3905	POLK		84 38.9	595	-1339.0	102.0	96500	0
5	DRC I	TVA	595					18000
TN6DRN0158	TODD MOUNTAIN	OCDEE RIVER	35 7.5	84 40.3	615	1260.0	130.0	44427
TNU0016	POLK		84 40.3	615	1260.0	119.8	271000	0
5	DRC I	TVA	615					44427
TN4DRN0164	DEVILS JUMPS DAM	BIG SOUTH FORK	36 38.8	84 32.2	957	1756.0	476.0	393939
TNU0007	SCOTT		84 32.2	957	1756.0	424.3	4136000	0
6	DRC I	DAEN DRN	957					393939

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 \* EXIST.CAP. \* INC. CAP. \* TOT. CAP. \* EXIST.ENERG \* ANUL.COST \* ERC ECONOMIC \*  
 \* INC.ENERG \* ENERGY COST \* ERC NON-ECONOMIC \*  
 \* TOT.ENERG \* (MWH) \* (1000 \$) \* (SEQUENCE RANK) \*  
 \* (MWH) \* (\$/MWH) \* (SEQUENCE RANK) \*  
 \* (MWH) \* (SEQUENCE RANK) \*  
 \*\*\*\*\*



FM 2 ID NO	PROJECT NAME	PROJECT NO	STATUS	AVG. Q	DR. AREA	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	PRIMARY CO.	NAME OF STREAM	AVE. Q	DR. AREA	LATITUDE	LONGITUDE	PURP.	HT	CAP.	ENRG	COST	ERC
CODE		CO.											
FILE													
STATUS													
TN60RN0165	HELENWOOD DAM	HELENWOOD DAM	BIG SOUTH FORK	269.0	36 26.4	84 38.6	684	H	269.0	293639	213741	5332.4	0.
TNU0011	SCOTT	SCOTT		587000				IS	587000	293639	213741	38.983	0.
6 DRC I	DAEN DRN	DAEN DRN		-1410.14			684						
TN10RN0166	DOUGLAS LAKE	DOUGLAS LAKE	FRENCH BROAD	202.0	35 57.6	83 32.3	4541	CHNR	202.0	115000	522800	0	0.
TN15501	SEVIER	SEVIER		1475000				OP	1475000	0	0	0	0.
5 DFC I	TVA	TVA		-6714.4			4541			115000	522800		0.
TNG0RN0167	CORDELL HULL	CORDELL HULL	CUMBERLAND	87.0	36 17.3			HNCR	87.0	100000	398200	0	0.
TN15901	SMITH	SMITH		310900	85 36.7			OP	310900	0	0	0	0.
5 DFC I	DAEN DRN	DAEN DRN		58.5	8095				58.5	100000	398200		0.
TN10RN0169	BOONE LAKE	BOONE LAKE	SOUTH FORK HD	160.0	36 26.4	82 29.3	1840	CHNR	160.0	75000	106363	0	0.
TN16306	SULLIVAN	SULLIVAN		193400				OP	193400	0	0	0	0.
5 DRC I	TVA	TVA		-2471.8			1840		67.4	75000	106363		0.
TN10RN0171	FORT PATRICK HENRY LAKE	FORT PATRICK HENRY LAKE	SOUTH FORK HD	95.0	36 29.9	82 30.4		HR	95.0	36000	156400	0	0.
TN16307	SULLIVAN	SULLIVAN		26900				OP	26900	0	0	0	0.
5 DFC I	TVA	TVA		66.0	1903				66.0	36000	156400		0.
TN60RN0168	MORRILL SPRING	MORRILL SPRING	SOUTH FORK HD	100.0	36 28.0	82 18.2	788	H	100.0	0	0	2402.2	0.
TNU0025	SULLIVAN	SULLIVAN		60000				IS	60000	17056	57639	41.676	0.
5 DRC I	TVA	TVA		93.9					93.9	17056	57639		0.
TN10RN0170	SOUTH HOLSTON LAKE	SOUTH HOLSTON LAKE	SOUTH FORK HD	285.0	36 31.3	82 5.2	703	CHNR	285.0	35000	208800	0	0.
TN16305	SULLIVAN	SULLIVAN		764000				OP	764000	0	0	0	0.
5 DFC I	TVA	TVA		-1001.7			703		188.0	35000	208800		0.
TN10RN0173	GREAT FALLS LAKE	GREAT FALLS LAKE	CANEY FORK	92.0	35 48.3	85 37.8	1677	HR	92.0	31900	175900	0	0.
TN17704	WARREN	WARREN		51300				OP	51300	0	0	0	0.
5 DFC I	TVA	TVA		-3256.5			1677		39.0	31900	175900		0.
TN70RN0175	ERWTN	ERWTN		200.0	36 11.2	82 31.6	851	H	200.0	0	0	4972.8	0.
TNU0033	WASHINGTON	WASHINGTON	NOLICHUCKY RI	366000				IS	366000	24824	124819	39.840	0.
5 DRC I	TVA	TVA		1390.0			851		169.8	24824	124819		0.

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	MANUL. COST	ERC ECONOMIC
ACTV DEP	FILE	STATUS	DR. AREA	(D M.M)	(D M.M)	AVE. Q	(FT)	(KW)	(MWH)	(1000.S)	ERC COMPOSITE
CODE	FILE	STATUS	(90.MI)	(90.MI)	(AC FT)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
INDIAN BEND	INDIAN BEND	H	36 23.4	82 18.9	105.0	120.0	12948	12948	41328	3506.1	0.
WASHINGTON	WASHINGTON	IS	800	800	64.9	1220.0	12948	12948	41328	84.834	0.
TVA	TVA										
WHEATS CURVE LAKE	WHEATS CURVE LAKE	R	35 54.6	85 28.5	30.0		0	1479	4014	216.71	0.
WHITE	WHITE	DP	175	175	96		1479	1479	4014	54.482	0.
ED KNOWLES	ED KNOWLES				22.9	-384.8					
LDPTN90000	LDPTN90000	C	35 52.4	86 46.5	58.0		0	1738	3919	1037.1	0.
WILLIAMSON	WILLIAMSON	IS	142	142	63900		1738	1738	3919	264.60	0.
DAEN DRN	DAEN DRN				44.9	198.0					
TN60R0179	LDPTN90000	C	35 52.4	86 46.5	58.0		0	1738	3919	1037.1	0.
TN00009	WILLIAMSON	IS	142	142	63900		1738	1738	3919	264.60	0.
5 DRC I	DAEN DRN				44.9	198.0					

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF TEXAS

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW = 5 MW			5 MW = 10 MW			10 MW = 15 MW			.05 MW = 15 MW		
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
	INST	INCR	INCR	INST	INCR	INCR	INST	INCR	INCR	INST	INCR	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
0-19	0*	1*	3*	4*	0*	0*	0*	0*	0*	2*	2*	2*
	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY
	0*	5*	13*	16*	0*	0*	0*	0*	0*	10*	10*	10*
	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY
20-49	6*	7*	4*	11*	0*	1*	3*	4*	0*	0*	0*	0*
	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY
	15.1*	10.3*	9.3*	19.6*	0*	5.0*	17.0*	22.0*	0*	0*	0*	0*
	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY
	54*	24*	21*	45*	0*	15*	34*	49*	0*	0*	0*	0*
50-99	0*	10*	7*	17*	1*	4*	5*	2*	0*	0*	0*	0*
	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY
	0*	16.7*	15.5*	32.1*	9.5*	29.4*	35.3*	26.0*	0*	0*	0*	0*
	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY
	0*	32*	37*	70*	50*	75*	95*	116*	0*	0*	0*	0*
>100	0*	2*	6*	7*	0*	1*	2*	3*	0*	0*	0*	0*
	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY
	0*	15.1*	31*	37*	0*	6.6*	15.1*	21.7*	0*	0*	0*	0*
	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY
	0*	6*	6*	1*	1*	40*	59*	59*	0*	0*	0*	0*
TOTAL	6*	19*	20*	39*	1*	3*	9*	12*	2*	0*	7*	9*
	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY	CAPTY
	16.1*	30.3*	45.2*	75.4*	9.6*	17.4*	61.6*	79.0*	26.0*	0*	89.8*	89.8*
	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY
	54*	65*	102*	168*	50*	54*	149*	203*	116*	0*	299*	299*

L E G E N D

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)









FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG/ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	MX. STOR.	AVE. Q	PMR. HD.	(FT)	(KWH)	(KWH)	(KWH)	(KWH)	(1000 \$)	ERC COMPOSITE
CODE	FILE	(D M. M)	(AC FT)	(CFS)	(FT)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(S/PMH)	(SEQUENCE RANK)
STATUS		(SQ MI)	(FT)									(SEQUENCE RANK)
TXCSWF3402	CANYON DAM		29 52.0	98 11.9	CSR	0	0	0	0	0	574.19	1002
2	TX00004	COMAL	29 52.0	98 11.9	DP	6604	1129300	18631	18631	0	30.81A	1002
2	SCP I	DAEN SWF	1432	387.0		6604	158.8	18631	18631			1002
TX6SHT0521	GAINESVILLE		33 45.0		HCR	0					29045	
5	TXU0027	COOKE	33 45.0		IS	0	4220000	127630	127630	0	227.21	
2	DFC I	DAEN	30768	-2875.3		106078	116.0	127630	127630			
TX6SWF4423	AUREY DAM		33 21.3		CSR	0					14684	
2	TXU0406	DENTON	33 21.3		DM	2850	1931900	4557	4557	0	3221.8	2040
2	DFC I	DAEN SWF	692	-249.1		2850	97.4	4557	4557			2040
TXCSWF0048	LEWISVILLE DAM		33 3.9		CSR	0					321.97	1005
2	TX00008	DENTON	33 3.9		CP	2780	2082800	6750	6750	0	47.700	1004
2	DFC I	DAEN SWF	1600	663.0		2780	76.9	6750	6750			1004
TX6SNG0572	CUERO 1ST STAGE		29 8.4		HCRS	0					19891	2020
2	TXU0082	DEWITT	29 8.4		FP	21043	1650000	72712	72712	0	273.56	2020
2	SCP S	BUREAU OF REC	4900	2024.5		21043	80.9	72712	72712			2020
TX6SNG0573	CUERO 2ND STAGE		29 8.4		HSRC	0					12008	
2	TXU0083	DEWITT	29 8.4		FP	0	1350000	0	0	0	12171270	
2	SCP S	BUREAU OF REC	670	159.8		0	82.1	0	0			
TX4SNT3558	BLUE RIVER LOCK + DAM		33 53.0		HN	0					4179.4	2012
2	TXU0021	FANNIN	33 53.0		SI	17596	300000	70311	70311	0	59.441	2017
2	DRC D	DAEN SWT	39780	-7576.5		17596	24.9	70311	70311			2017
TX4SNT3483	CARPENTERS BLUFF LOCK + DAM		33 43.4		HN	0					3039.4	2022
2	TXU0024	FANNIN	33 43.4		SI	10114	200000	34444	34444	0	88.240	2022
2	DRC D	DAEN SWT	36438	-3763.6		10114	17.9	34444	34444			2022
TX6SHT3485	KEMP RESERVOIR		33 45.9		IHG	0					5472.6	2026
2	TXU0030	FANNIN	33 45.9		SI	17454	18000	56792	56792	0	96.362	2026
2	DRC D	DAEN SWT	38773	-5796.4		17454	28.9	56792	56792			2026







FM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ.	PURP.	DAM HT	EXIST. CAP.	INC. CAP.	HY. STOR.	AV. Q	WPR.	MD.	TOT. CAP.	WPR.	MD.	TOT. ENERGY	EXIST. ENERGY	ANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	(1000 \$)	(9/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)			
TX6SMG0581	2	TXU0078	SCP S	GANADO RESERVOIR	JACKSON	NAVIDAD RIVER	29 0.0	H	8	553.5	45.0	0	0	85000	0	0	0	0	0	0	0	0	0	0	0	3030.4	0	0	0	0	0	0			
TX6SMG0582	2	TXU0320	SCP S	PALMETTO BEND	JACKSON	NAVIDAD RIVER	28 52.9	SI	8	731.0	55.0	1831	1831	329300	0	0	0	0	0	0	0	0	0	0	0	7627.2	1437.5	305	305	2037	2037	2019			
TX6SMWF4420	2	TXU0400	DRC S	DAM A	JASPER	NECHES RIVER	31 0.0	HO	0	0	49.0	0	0	30000	16149	0	0	0	0	0	0	0	0	0	0	0	3041.4	79.952	0	0	2021	2026	2035		
TX6SMWF4421	2	TXU0401	SCP S	HOCKLAND DAM	JASPER	NECHES RIVER	31 1.3	SI	0	2320.0	30.4	16149	16149	5074600	0	0	0	0	0	0	0	0	0	0	0	36788	591.46	62198	62198	2028	2028	2022			
TX6SMWF0092	5	TXU0011	SCP I	SAM RAYBURN DAM	JASPER	ANGELINA RIVER	31 4.0	CSRH	0	2714.0	120.0	52000	0	5610000	0	0	0	0	0	0	0	0	0	0	0	0	103484	0	103484	0	0	0	0		
TX6SMG0579	2	TXU03895	SCP S	WESLEY E SEALE	JIM WELLS	NUECES RIVER	28 2.4	R	0	864.7	54.0	0	0	308700	1338	0	0	0	0	0	0	0	0	0	0	172.55	45.805	3939	3939	1004	1003	1009			
TX6SMWF0105	2	TXU0407	DFC I	DAM 7	KENDALL	GUADALUPE R AUTH	29 52.9	CSRH	0	-272.3	195.0	0	0	630000	15000	0	0	0	0	0	0	0	0	0	0	9215.0	845.41	10900	10900	2033	2033	2025			
TX6SMT3557	2	TXU0019	DRC D	ARTHUR CITY LAKE	LAMAR	RED RIVER	33 51.9	HN	0	-8224.6	65.0	52536	52536	25000	0	0	0	0	0	0	0	0	0	0	0	10078	67.136	150116	150116	2014	2014	2007			
TX6SMT3562	2	TXU0028	DRC D	GARRETT BLUFF LAKE	LAMAR	RED RIVER	33 54.0	HN	0	0	85.0	0	0	188000	0	0	0	0	0	0	0	0	0	0	0	16192	69.208	0	0	0	0	0	2016	2021	2009

FM 2 ID NO	PROJECT NAME	PRIMARY CO. NAME OF STREAM OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
ACTV DEP	FILE	STATUS	DR AREA	DR AREA	STATUS	MX STOR.	INC. CAP.	INC. ENRG	ERC NON ECONOMIC
CODE	FILE	FILE	(D M.M)	(D M.M)	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRG	ERC COMPOSITE
FILE	FILE	FILE	(SQ.MI)	(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
FILE	FILE	FILE	(SQ.MI)	(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
TXCSWT0348	PAT MAYSE RESERVOIR	SANDERS CREEK	33 50.9	96.0	CRRO	457800	0	0	0
TX04359	LAMAR		33 50.9	96.0	IS	1060435	1800	1790	2042
5 SCP I	DAEN SWT		175	52.4	OP	146.3	921	2539	2031
TX6SMF014	SULPHUR BLUFF		33 25.6	60.0	S		0	0	2042
TXU0016	LAMAR		95 26.0	106.0	IS	1060435	1800	1790	2042
2 DFC I	TWDR		1026	17.9		945.0	1800	1790	2031
TX6SMG0569	CAPERS RIDGE RES		30 24.9	77.0	HISR		0	0	2033
TXU0061	LIBERTY	TRINITY RIVER	94 56.0	1480000	FP	1480000	77806	202370	2038
2 SCP S	DAEN SWG		17436	61.0		7376.1	77806	202370	2001
TX4SMG0567	LOCK AND DAM NO. 3		30 12.3	45.0	NH		0	0	2045
TXU0376	LIBERTY	TRINITY RIVER	94 49.4	5750	DM		181	1458	2045
2 DRC S	DAEN SWG		17436	11.9		7410.9	181	1458	2049
TX4SMG0568	LOCK AND DAM NO. 4		30 25.7	33.0	NH		0	0	0.
TXU0379	LIBERTY	TRINITY RIVER	94 53.3	5600	DM		1	0	0.
2 DRC S	DAEN SWG		17215	2.7		7316.9	1	0	0.
TX6SMG0578	LAKE CORPUS CHRISTI		28 2.1	115.0	HSR		0	0	2038
TXU0090	LIVE OAK	NUECES RIVER	97 52.1	1900000	FP	1900000	3279	7834	2038
2 SCP S	CITY OF CORPUS CHRISTI		16660	107.6		865.0	3279	7834	2020
TX6SMG0577	OAKVILLE		28 26.3	57.0	HBR		0	0	2031
TXU0091	LIVE OAK	NUECES RIVER	98 7.5	176000	FP		2515	6145	2031
2 SCP S	UNKNOWN		15630	48.0		867.2	2515	6145	2018
TX6SMF0114	BEDIAS DAM		31 52.0	45.0	S		0	0	2043
TXU0386	MADISON	BEDIAS CREEK	95 49.7	205000	IS		465	893	2043
2 DFC I	TRINITY RIVER AUTHORITY		321	34.9		232.0	465	893	2045
TX6SMF0915	BLACK CYPRESS RESERVOIR		32 50.3	99.0	S		0	0	2042
TXU0015	MARTON	BLACK CYPRESS	94 25.6	1284200	IS		3571	7408	2042
2 DRC I	DAEN SWF		350	59.9		367.0	3571	7408	2044





FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG. ANNU. COST	ERC ECONOMIC			
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	MAX. STOR.	INC. CAP.	INC. ENRG. ENERGY COST	ERC NONECONOMIC			
ACTV DEP	OWNER	DR. AREA	AVE. Q	PHR. HD.	TOY. CAP.	TOY. ENERGY	ERC COMPOSITE			
CODE		(D M.N)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)			
FILE		(D M.N)	(PT)	(KW)	(MWH)	(MWH)	(\$/MWH)			
STATUS		(80.MI)	(PT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)			
							(SEQUENCE RANK)			
TXCSWF0150	IRON BRIDGE DAM	32 48.7	IRS	65.0	0	0	183.82	2009	2007	2032
TX00491	RAINS	95 54.9	DP	141000	2000	1845	99.593			
2 DFC I	SABINE RIVER AUTHORITY	756	-429.1	58.9	2000	1845				
TX6SMT0553	BYG PINE RESERVOIR	33 51.9	CRD	80.0	0	0	4316.1			
TXU0020	RED RIVER	95 11.9	DM	301100	0	0	11427859			
5 SCP I	DAEN SHT	95	-116.8	50.1	0	0				
TX4SMT3559	BRVARYLY LOCK + DAM	33 46.9	HN	45.0	0	0	5222.5	2011	2016	2004
TXU0023	RED RIVER	94 54.4	SI	400000	15002	89100	58.614			
2 DRC 0	DAEN SHT	45736	-12948.4	23.9	15002	89100				
TX6SMT3567	VALLIANT LAKE	33 56.0	HN	50.0	0	0	9610.1	2015	2020	2008
TXU0039	RED RIVER	95 9.9	SI	37.1	48121	141104	68.107			
2 DRC 0	DAEN	45295	-8626.9		48121	141104				
TX1SMA0122	RED BLUFF RESERVOIR DAM	31 54.0	IHO	106.0	0	0	50.880	2013	2009	2036
TX02312	REEVES	103 54.5	DP	405000	80	301	168.61			
2 SCP I	RED BLUFF WATER CON DIST	20720	-249.6	90.2	80	301				
TXCSWF0156	STEPLING C. ROBERTSON DAM	31 19.7	SI	60.0	0	0	137.23	2012	2008	2034
TX04455	ROBERTSON	96 19.0	UC	458603	800	919	149.20			
2 DFC I	BRA70S RIVER AUTH	674	-342.3	39.9	800	919				
TX6SWG0563	CLEVELAND RES	30 30.0	HICSR	99.0	0	0	17054	0.	0.	0.
TXU0068	SAN JACINTO	95 15.0	FP	1250000	35	107	158761			
2 SCP S	UNKNOWN	320	218.1	84.1	35	107				
TXCSWG0566	LIVINGSTON DAM	30 37.9	S	100.0	0	0	7383.8	1026	1026	1002
TX03823	SAN JACINTO	95 0.8	CP	2035000	109920	255203	28.933			
2 SCP S	TRA	16616	6923.7	79.9	109920	255203				
TX6SWG0046	WOODSBORO	28 9.9	HRS	64.0	0	0	4031.7			
TXU0089	SAN PATRICIO	97 31.1	FP	122000	0	0	6474694			
2 DRC I	UNKNOWN	470	-113.1	56.6	0	0				

FM 2 ID NO	ACTV DEP	FILE CODE	STATUS	PROJECT NAME	PRIMARY CD.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG.	ANUL. COST	ERC ECONOMIC
TX6SMF0161	2	DFC I	H	HANNA DAM	SAN SABA	COLORADO RIVER	31 22.9	105.0	H	105.0	0	0	2676.5	2025
TXU0133	2	DFC I	I8	SAN SABA	SAN SABA	COLORADO RIVER	98 50.0	300.00	I8	300.00	3600	6340	422.12	2025
TX6SMF0162	2	5CP I	SC	SAN SABA	SAN SABA	COLORADO RIVER AUT	25757	102.8	SC	102.8	3600	6340	2676.5	2016
TXU0318	2	5CP I	SI	SAN SABA	SAN SABA	COLORADO RIVER	31 7.7	230.3	SI	230.3	0	0	8961.0	2035
TX6SMF0175	2	DFC I	OP	EAGLE MOUNTAIN DAM	TARRANT	WEST FORK TR	32 52.2	85.0	OP	85.0	0	0	168.10	2001
TXU0779	2	DFC I	OP	TARRANT	TARRANT	CO WCID 1	97 29.7	558250	OP	558250	1400	2891	58.137	2001
TX6SMF0173	2	DFC I	CSR	GRAPEVINE DAM	TARRANT	DENTON CREEK	32 58.0	137.0	CSR	137.0	0	0	129.20	2005
TXU0005	2	DFC I	OP	TARRANT	DAEN SWF	DENTON CREEK	97 3.0	758800	OP	758800	740	1860	69.464	2005
TX6SMF0123	5	DRC I	P	AGUA VERDE	TERRELL	RIO GRANDE	29 47.0	410.0	P	410.0	0	0	13624	2039
TXU0105	5	DRC I	I8	TERRELL	FERC	RIO GRANDE	102 3.0	220000	I8	220000	6094	20742	656.85	2039
TX6SMF4405	2	DFC D	CSRH	BRECKENRIDGE DAM	THROCKMORTON	CLEAR FORK BR	33 0.0	199.0	CSRH	199.0	0	0	7554.1	2043
TXU0366	2	DFC D	I8	THROCKMORTON	DAEN SWF	CLEAR FORK BR	99 20.0	212900	I8	212900	1340	2959	2552.9	2043
TX6SMF4409	2	DFC D	CSRH	PADGETT DAM	THROCKMORTON	BRAZOS RIVER	33 18.9	120.0	CSRH	120.0	0	0	13461	2033
TXU0371	2	DFC D	I8	THROCKMORTON	DAEN SWF	BRAZOS RIVER	98 57.5	3137800	I8	3137800	630	1372	9811.7	2033
TX6SMF9016	2	5CP I	I9R	TITUS COUNTY RESERVOIR	TITUS	BIG CYPRESS C	33 5.9	69.0	I9R	69.0	0	0	197.98	2006
TXU0012	2	5CP I	OP	TITUS	TITUS	BIG CYPRESS C	95 0.0	337307	OP	337307	1934	3742	52.908	2001
TX6SMF0193	5	DRC I	IHS	LAKE TRAVIS	TRAVIS	COLORADO R.	30 23.2	266.0	IHS	266.0	67500	19117	0	0.
TXU01087	5	DRC I	OP	TRAVIS	DOI USDR	COLORADO R.	97 54.1	1954000	OP	1954000	0	0	0	0.
TXU01087	5	DRC I	OP	TRAVIS	DOI USDR	COLORADO R.	38130	196.9	OP	196.9	67500	19117	0	0.



FM 2 ID NO	PROJECT NAME	LONGITUDE	DAM HT	EXIST. CAP.	INC. CAP.	ANNUAL ENERGY	ANNUAL COST	ERC ECONOMIC
ACTV DEP	DR AREA	DR AREA	MX STOR	STRTS	PHR HD	TOT ENERGY	TOT ENERGY	ERC NON-ECONOMIC
CODE	(D.M.M)	(D.M.M)	(AC FT)	(KW)	(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE	(80.MI)	(FT)	(CFS)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS								(SEQUENCE RANK)
TXCSWF0184	LONGHORN DAM	30 15.0	0	0	0	0	550.18	1009
TX01088	TRAVIS	97 42.7	DP	6950	3293	9864	55.777	1008
2 DRC I	CITY OF AUSTIN TEXAS	38510	-2567.8	9.9	3293	9864		1016
TX6SHG0047	LOWER AUSTIN	30 10.9	HIS	53.0	0	0	4133.8	2011
TXU0076	TRAVIS	97 26.3	FP	138000	13456	35683	115.84	2013
2 DRC I	UNKNOWN	26070	-1533.9	43.5	13456	35683		2003
TX18WF0182	TOM MILLER DAM	30 17.6	HBR	85.0	13500	53058	0	0.
TX01086	TRAVIS	97 47.2	DP	49500	0	0	0	0.
5 DRC I	CITY OF AUSTIN	38240	-2266.6	60.9	13500	53058		0.
TX48WF4412	LOCK AND DAM NO.6	30 56.0	NH	38.0	0	0	4448.4	2019
TXU0377	TRINITY	95 32.0	DM	0	18000	61301	72.566	2024
2 DFC S	DAEN SWF	14985	-6219.2	27.9	18000	61301		2034
TXCSWF3404	TOWN BLUFF DAM	30 46.9	HOS	45.0	0	0	1009.4	1003
TX00015	TYLER	94 9.9	DP	306400	16155	60306	16.739	1003
2 DRC S	DAEN SWF	7573	5015.0	32.9	16155	60306		1017
TX18WF0188	INTERNATIONAL AMISTAD DAM (U)	29 27.0	C I H R	285.0	0	0	5470.7	2008
TX02296	VALVERDE	101 3.5	DP	565800	223356	60604	90.270	2006
2 SCP I	IBMC	126423	-1057.0	218.4	223356	60604		1003
TX6SWA0125	PECOS NO 2	29 48.7	P	155.0	0	0	1018.4	
TXU0117	VALVERDE	101 26.9	IS	6000	113	951	1070.4	
5 DRC I	FERC	32947	-151.3	104.8	113	951		
TX6SWA0124	PECOS NO 1	29 45.8	P	150.0	0	0	1640.6	
TXU0116	VALVERDE	101 21.2	IS	27 6000	113	949	1727.0	
5 DRC I	FERC	33216	-152.5	103.8	113	949		
TX6SWA0127	PECOS NO 4	29 56.5	P	180.0	0	0	1827.8	
TXU0119	VALVERDE	101 28.1	IS	228000	121	1020	1790.8	
5 DRC I	FERC	32625	-149.8	121.8	121	1020		

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER			DR. AREA	MX. STOR.	STATUS	MX. STOR.	INC. CAP.	INC. CAP.	ENERGY	ENERGY COST	ERC NON-ECONOMIC
CODE				(D.M.M)	(FT)	AVE. Q	(CFS)	(KW)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
FILE				(D.M.M)	(AC FT)		(FT)	(KW)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS				(SQ MI)				(KW)	(KW)	(MWH)		(SEQUENCE RANK)
TX6SWA0126	PECOS NO 3	PECOS RIVER		29 53.7	101 28.7	P	126.0	0	0	0	1360.9	
TXU0118	VALVERDE			32759		IS	8400	100	100	828	1641.8	
5	DRC I						84.9	100	100	828		
TX6SWG0574	CONFLUENCE RES					HSR	55.0	0	0	0	19142	2021
TXU0086	VICTORIA	GUADALUPE RIV		28 35.0	96 55.2	FP	110000	22394	22394	66740	286.81	2021
2	SCP S	UNKNOWN		10128			48.4	22394	22394	66740		2009
TX6SWG0570	HARMONS RES					HISR	99.0	0	0	0	6258.9	2044
TXU0066	WALKER	HARMONS CREEK		30 46.9	95 30.0	FP	236000	1376	1376	4046	1546.8	2044
2	SCP S	UNKNOWN		445			91.3	1376	1376	4046		2029
TX6SWF0191	PALAFIX DAM					H	70.0	0	0	0	5640.7	2007
TXU0351	WEHR	RIO GRANDE		27 39.9	99 41.0	IS	0	22500	22500	68100	82.831	2011
2	DFC I			134600			65.9	22500	22500	68100		2001
TXCSWF4813	GRANGER DAM					CSR	115.0	0	0	0	265.56	1006
TXU0391	WILLIAMSON	SAN GABRIEL R		30 42.1	97 19.7	UC	579900	1840	1840	5435	68.861	1006
2	DFC I	DAEN SWF		709			63.9	1840	1840	5435		1007
TXCSWF0197	NORTH FORK DAM					CSR	162.0	0	0	0	122.12	2004
TXU0393	WILLIAMSON	NORTH FORK OF		30 39.9	97 43.5	UC	220100	680	680	1836	66.515	2004
2	DFC I	DAEN SWF		246			91.9	680	680	1836		1010
TX6SWF0208	BIG SANDY DAM					CSRH	94.5	0	0	0	5805.4	2046
TXU0383	WOOD	BIG SANDY CK		32 39.0	95 9.9	DM	698600	932	932	2984	1944.9	2046
2	SCP I	DAEN SWF		196			60.4	932	932	2984		2046
TXCSWF0214	LAKE FORK DAM					S	106.5	0	0	0	310.20	2024
TXU0388	WOOD	LAKE FORK CRE		32 46.5	95 30.0	UC	1816400	2400	2400	3264	95.33	2003
2	DFC I	SRA		507			67.9	2400	2400	3264		2037
TXISWG0590	INTERNATIONAL FALCON DAM					HCSR	150.0	0	0	0	0	
NONE	ZAPATA	RIO GRANDE		26 33.5	99 10.0	DP	4080800	0	0	0	0	
2	DRA I	IBWC		164482			0	0	0	0		

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF UTAH

POTENTIAL INCREMENTAL CAPACITY RANGES													
		.05 MW = 5 MW			5 MW = 10 MW			10 MW = 15 MW			.05 MW = 15 MW		
		EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
NUMBER	CAPACITY	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN
0-19	0	0	0	0	0	0	0	0	0	0	0	0	0
20-49	1	1	0	1	0	0	0	0	0	0	0	0	0
50-99	4	4	0	4	0	0	0	0	0	0	0	0	0
>100	16	16	0	16	0	0	0	0	0	0	0	0	0
TOTAL	21	21	0	21	0	0	0	0	0	0	0	0	0

L E G E N D

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS      COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS      CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES      ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

• • • PRELIMINARY ESTIMATE • • •

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF UTAH

POTENTIAL INCREMENTAL CAPACITY RANGES												
GREATER THAN 25 MW												
	.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL		
	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*	EXIST*	UNDEV*	TOTAL*
TYPE	INST*	POTEN*	INCR*	INST*	POTEN*	INCR*	INST*	POTEN*	INCR*	INST*	POTEN*	INCR*
	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*	1 CAP*	2 CAP*	3 CAP*	4 CAP*
0-19	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
20-49	0*	0.1*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*	0.0*
50-99	1*	4*	4.9*	0*	0*	0*	0*	0*	0*	0*	0*	0*
>100	18*	37.8*	37.8*	0*	0*	0*	0*	0*	0*	0*	0*	0*
TOTAL	22*	81.6*	81.6*	0*	0*	0*	0*	0*	0*	0*	0*	0*

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

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FM 2 ID NO	PROJECT NAME	DR AREA	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	ENERGY COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	(D M.M)	(D M.M)	(S.M)	STATUS	MX STUR.	INC. ENRG ANUL.	INC. ENRG ANUL.	COST	ERC ECONOMIC
ACTV DEP	OWNER	(90.MI)	(90.MI)	(90.MI)	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRGY	(1000 \$)	ERC COMPOSITE
CODE					(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE										
STATUS										
UTHSPK0793	BRIGHAM POWERHOUSE NO 1	41 30.1	111 59.2	12	H	0	1200	3699	0	
UT08052	BOX ELDER BOX ELDER CRE	41 30.1	111 59.2	12	OP	575.0	1200	3699	0	
5 DRC	BRIGHAM CITY CORP									
UTHSPK0794	BRIGHAM POWERHOUSE NO 2	41 30.1	111 59.6	12	H	0	450	2192	0	
UT08053	BOX ELDER BOX ELDER CRE	41 30.1	111 59.6	12	OP	500.0	450	2192	0	
5 DRC	BRIGHAM CITY CORP									
UTJSPK0791	CUTLER	41 50.1	109.0		H I	109.0	30000	109357	1583.4	
UT00079	BOX ELDER BEAR RIVER	112 3.0	265.48		OP	265.48	32646	9338	169.55	
2 DRC	UTAH POWER + LIGHT CO	6267	127.0		2000.0	127.0	62646	118695		01
UT6SPK0795	BEAVER NARROWS	41 59.0	130.0		C	130.0	0	0	600.53	
UT00059	CACHE LOGAN RIVER	111 35.9	487.7		IS	487.7	98	825	727.54	
5 DRC I		17	110.8			110.8	98	825		
UTNSPK9049	BLACKSMITH FORK PROJECT	41 37.3	40.0		H	40.0	0	0	379.90	
2 DFC	CACHE BLACKSMITH FORK	111 45.2	1000		OP	1000	1900	8300	45.771	
		268	219.7			219.7	1900	8300		
UT6SPK0796	BLACKSMITH FORK (HARDWARE RAN	41 35.9	74.0		H	74.0	0	0		
UT00060	CACHE BLACKSMITH FORK	111 33.9	127.33		IS	127.33	1396	7488	664782029	
5 DRC I		268	110.8			110.8	1396	7488		
UTISPK0800	HYRUM RESERVOIR	41 37.5	116.0		ICRDN	116.0	400	3518	0	
UT10123	CACHE LITTLE BEAR R	111 52.5	18800		OP	18800	0	0	0	
5 DRC	US - WPRS	217	106.9			106.9	400	3518		25
UTHSPK0799	LOGAN CITY	41 44.8	0		H	0	1400	9612	0	
UT08061	CACHE LOGAN RIVER	111 44.8	0		OP	0	0	0	0	
5 DRC	LOGAN CITY CORPORATION	220	99.0			99.0	1400	9612		08
UTCSPK0797	PORCUPINE	41 31.1	165.0		I	165.0	0	0	50.657	
UT00251	CACHE EAST FK LITTL	111 44.3	12800		OP	12800	150	1269	39.901	
2 DRC	PORCUPINE RES CO	57	154.8			154.8	150	1269		38

FM 2 ID NO	FM 1 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CD.	NAME OF STREAM	LATITUDE	LONGITUDE	DR.AREA	(D.M.M)	(D.M.M)	(S.M.M)	ICRD	DP	AVE. G	PRR. HD.	(FT)	(AC FT)	(KW)	(MWH)	TOT.ENERGY	(1000 \$)	(\$/MWH)	EXIST.ENERGY	EXIST.ENERG	ANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC
						OWNER																								
UTCSPK0804	UT10133		2			SCOFFIELD CARRON	US - WPRS	PRICE RIVER	39 47.1	111 7.5	650				68.0	111500	79.0	46.5	127	1069	1069	0	59.490	55.648	0	0	0	0	0	
UT4SPK0803	UT00039		6			WHITE R TO GRAY CANYON RESER		GREEN RIVER	39 44.4						67.0	59242		0	0	0	173622	173622	0	7413.8	42.700	0	0	0	0	
UTISPK0807	UT10121		5			FLAMING GORGE RESERVOIR	US - WPRS	GREEN RIVER	40 54.8	109 25.2	39500				502.0	4003000	2072.0	473.7	108000	328321	90395	418717	0	4813.5	53.249	0	0	0	0	
UT4SPK0806	UT00031		5			FLAMING GORGE TO BACKWATER		GREEN RIVER	40 54.0	109 24.0	15100				32.0	15087	-2320.8	31.9	0	0	33229	33229	0	2542.1	76.502	0	0	0	0	
UT6SPK0805	UT00002		5			HICKERSON PARK		SHEEP CREEK	40 53.0	109 52.9	43				96.0	0	-35.3	81.9	9000	9000	78	78	0	635.18	8082.5	0	0	0	0	
UT5SPK0811	UT00041		2			LOWER ROCK CREEK		ROCK CREEK	40 31.9	110 37.9	131				10.0	5847	154.0	709.2	0	0	28780	28780	0	1212.1	42.117	0	0	0	0	
UTC8PK0820	UT10128		2			MOON LAKE	US - WPRS	WEST FORK OF	40 33.7	110 29.3	110				101.0	1074	128.0	85.9	0	0	4776	4776	0	158.99	33.287	0	0	0	0	
UT7SPK0813	UT00043		5			MOON LAKE		LAKE FORK	40 32.9	110 28.4	108				101.0	28	129.0	354.6	0	0	132	132	0	1646.1	12393	0	0	0	0	
UT6SPK0808	UT00021		9			ROCK CREEK		ROCK CREEK	175	198.8	1198.8				0	140505	-198.8	0	0	0	138576	138576	0	6283.2	45.341	0	0	0	0	

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FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG. MANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CN. OWNER	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG. ENERGY COST	ERC NONECONOMIC
ACTV DEP	DR. AREA	(D M.M)	AVE. G	PMR. HD.	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
CODE	(D M.M)	(CFS)	(FT)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
FILE	(D M.M)	(IR)	(FT)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)
STATUS	(SQ. MI)	OP	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
UTCSPK0821	STARVATION RESERVOIR	40 10.8	IR	155.0	0	0	215.1
UT10136	DUCHESNE STRAWBERRY RI	110 26.0	OP	19000	1755	8075	26.627
2 DRC	US - WPRS	1045		134.5	1755	8075	
UT6SPK9010	TASKEECH RESERVOIR	40 24.2	H	212.0	0	0	3862.6
UTU0030	DUCHESNE LAKE FORK RIV	110 21.3	IS	85600	3102	13519	256.11
5 DRC I		135		199.1	3102	13519	
UT5SPK0809	UINTA RESERVOIR	40 36.5	H	20.0	0	0	4814.0
UTU0029	DUCHESNE UINTA RIVER	110 7.6	IS	0	126285	171902	28.4
2 DRC I		160		1498.5	126285	171902	
UTHSK0819	UINTAH POWERPLANT	40 31.9	H	0	1200	10511	2314.1
UT08074	DUCHESNE POLE CREEK	110 3.9	OP	0	41658	48736	47.482
2 DRC	MOON LAKE ELEC ASSN INC	181		450.0	42858	59248	
UT5SPK0810	UPPER ROCK CREEK	40 35.5	H	100.0	0	0	3787.1
UTU0040	DUCHESNE ROCK CREEK	110 42.5	IS	0	71420	62851	60.255
2 DRC I		98		779.2	71420	62851	
UT5SPK0812	UPPER WEST FORK LAKE FORK	40 35.9	H	20.0	0	0	1113.1
UTU0042	DUCHESNE LAKE FORK	110 31.0	IS	0	6063	24316	45.777
2 DRC D		60		799.2	6063	24316	
UT6SPK9009	WHITEROCKS RESERVOIR	40 39.2	H	218.0	0	0	2554.9
UTU0028	DUCHESNE WHITE ROCKS R	110 0.0	IS	35480	2305	9702	242.71
5 DRC D		115		201.9	2305	9702	
UTJSPK0817	YELLOWSTONE POWER DIVERSION	40 34.5	H	0	900	7631	0
UT00303	DUCHESNE YELLOWSTONE R	110 19.6	OP	60	0	0	0
5 DRC	MOON LAKE ELECTRIC	131		250.0	900	7631	
UT5SPK0814	YELLOWSTONE	40 34.5	H	10.0	0	0	1477.0
UTU0044	DUCHESNE YELLOWSTONE C	110 19.4	IS	0	9838	52055	28.375
2 DRC I		110		1498.5	9838	52055	

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG/ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG/ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. Q	PWR. MD.	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
CODE	FILE	(D M.M)	(CFS)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
STATUS		(D M.M)	(SQ.MI)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
UT7SPK0826	BLACK BOX CANYON	39 0.5	H	245.0	0	0	(1000 \$)
UTU0038	EMERY	110 29.5	IS	51000	996	5954	(\$/MWH)
5 DRC D	SAN RAFAEL RI	1600	IS	599.4	996	5954	2969.2
UT5SPK0825	COTTONWOOD RESERVOIR	39 15.5	H	240.0	0	0	4425.8
UTU0037	EMERY	111 6.4	IS	0	480	3917	1129.6
5 DRC I	COTTONWOOD CR	86	IS	779.2	480	3917	
UTCSPK0827	ELECTRIC LAKE	39 36.0	H	228.5	0	0	129.36
UT00100	EMERY	111 12.7	OP	31272	868	4411	29.322
2 DRC	UTAH POWER + LIGHT CO	130	OP	204.7	868	4411	
UT5SPK0822	GRAY CANYON DAM SITE TO GREEN	38 59.0	H	0	0	0	0
UTU0033	EMERY	110 9.0	IS	0	0	0	0
9 ICT I	GREEN RIVER	39100	IS	105.0	0	0	0
UT49PK0824	GREEN RVN TO BACKWATER JUNCT	38 36.5	H	100.0	0	0	14693
UTU0035	EMERY	110 1.5	IS	0	155547	322842	45.514
6 DRC I	GREEN RIVER	40600	IS	84.9	155547	322842	
UTCSPK0830	HUNTINGTON NORTH RESERVOIR	39 21.1	IR	65.0	0	0	109.44
UT10122	EMERY	110 57.2	OP	5690	594	2356	46.447
2 DRC	US - WPRS	190	OP	56.9	594	2356	
UTCSPK0831	JOES VALLEY RESERVOIR	39 17.3	ICRD	195.0	0	0	49.52
UT10124	EMERY	111 16.1	OP	71860	142	1046	46.653
2 DRC	US - WPRS	135	OP	179.2	142	1046	
UT5SPK0823	MEXICAN BEND	38 59.0	H	30.0	0	0	659.94
UTU0034	EMERY	110 28.4	IS	0	393	3116	211.77
5 DRC D	SAN RAFAEL RI	1650	IS	248.7	393	3116	
UTCSPK9047	MILL SITE	39 11.0	CI	115.0	0	0	44.363
2 DRC	EMERY	111 06.0	OP	18000	110	879	50.443
	FERRON CREEK	155	OP	104.8	110	879	
	FERRON CR IRRIGATION CO AND						



FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	STATUS	AVE. Q	DR. AREA	(D N. M.)	(D M. M.)	(SQ. MI.)	(CFS)	(AC FT)	(FT) M	(MWH)	TOT. ENERGY	INC. ENERGY	EXIST. ENRG.	ANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
UTCSPK0829	UT00212	5	DRC		MILLSITE EMERY FERRON CR IRR CO	FERRON CREEK	39 57.7	111 11.0	OP	R	68.0	106.3	115.0	18000	105	0	0	0	816	816	0	43.378	52.975								
UT6SPK0832	UTU0003	5	DRC I		ESCALANTE RESERVOIR GARFIELD	ESCALANTE RIV	37 46.9	111 33.9	IS				147.0	23279	72	0	0	0	222	222	0	1151.2	5167.7								
UT6SPK0838	UTU0048	6	DRC I		DEWEY RESERVOIR GRAND	COLORADO RIVER	38 47.9	109 19.9	H				335.0	820000	0	0	0	0	1390389	1390389	0	38775	27.888								
UT6SPK0836	UTU0032	6	DRC I		GRAY CANYON GRAND	GREEN RIVER	39 13.4	110 3.5	IS				275.0	0	0	0	0	0	1045712	1045712	0	20481	19.586								
UT6SPK0835	UTU0005	2	DRC		MILL CREEK BELOW FORKS RESER GRAND GRAND COUNTY WATER CONS DIST	HILL CREEK	38 32.9	109 28.0	DP				5.0	2750	109	0	0	0	907	907	0	43.743	48.182								
UT6SPK0837	UTU0047	6	DRC I		MOAB RESERVOIR GRAND	COLORADO RIVER	38 35.9	109 33.9	H				143.0	183000	0	0	0	0	329195	329195	0	11968	36.357								
UTCSPK0842	UT00272	2	DRC		SEVIER BRIDGE JUAB DELTA LAND + WATER ETAL	SEVIER RIVER	39 22.3	112 1.9	DP				92.0	236145	2075	0	0	0	6311	6311	0	264.87	41.969								
UTCSPK0843	UT00080	5	DRC		D M A D MILLARD D M A D CO	SEVIER RIVER	39 24.0	112 28.8	I				34.0	10990	0	0	0	0	4	4	0	36.491	8412.6								
UT6SPK0848	UTU0006	5	DRC I		DRY CREEK RESERVOIR MORGAN	DRY CREEK	41 8.1	111 47.4	IS				144.0	8060	19621	0	0	0	0	0	0	2500.7	55.868								

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	MANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENERGY	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. Q	#PWR. HD.	TUT. CAP.	TOT. ENRGY	(1000 \$)	ERC COMPOSITE
CODE	FILE	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS	(SQ. MI)	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
UTCSPK0852	EAST CANYON RESERVOIR	40 55.2	1800	192.0	0	0	123.32	
2 DRC	MORGAN EAST CANYON C	111 35.9	DP	52350	796	3244	38.	36
	US - WPRS	142	53.0	184.8	796	3244		
UTGSPK0851	GATEWAY POWERHOUSE	41 8.2	H	0	4275	28510	1049.4	
UT08056	MORGAN WEBER RIVER	111 49.7	OP	0	16768	20356	51.551	
2 DRC	WEBER BASIN WTH CONS OIS	1610	-554.9	144.0	21043	48867		03
UT6SPK0850	INTERMEDIATE LOST CREEK	41 14.0		108.0	0	0	1230.5	
UTU0009	MORGAN LOST CREEK	111 20.9	IS	4399	101	867	1418.6	
5 DRC I		69	-52.3	91.9	101	867		
UTCSPK0853	LOST CREEK RESERVOIR	41 11.0	ISROC	190.0	0	0	160.13	
UT10125	MORGAN LOST CREEK	111 24.0	DP	26800	1180	5607	28.554	
2 DRC	US - WPRS	123	23.5	171.8	1180	5607		22
UTCSPK0855	PIUTE	38 19.3	I	95.0	0	0	181.83	
UT00249	PIUTE SEVIER RIVER	112 11.1	DP	71826	1230	5542	32.806	
2 DRC	PIUTE RES + IRR CO	2400	212.0	79.2	1230	5542		32
UTGSPK0865	GRANITE POWERHOUSE	40 34.3	H	0	1500	7235	0	
UT08059	SALT LAKE LITTLE COTTON	111 46.3	OP	0	0	0	0	
5 DRC	UTAH POWER AND LIGHT CO	42	-44.4	470.0	1500	7235		26
UTHSPK0866	HYDR0 (MURRAY) POWERPLANT	40 35.1	H	12.0	1000	6574	0	
UT08060	SALT LAKE LITTLE COTTON	111 48.0	DP	0	0	0	0	
5 DRC	CITY OF MURRAY	42	-44.4	565.0	1000	6574		24
UTCSPK0864	MOUNTAIN DELL	40 45.1		105.0	0	0	53.685	
UT00221	SALT LAKE PARLEYS CREEK	111 43.4	DP	3224	104	880	60.982	
5 DRC	SALT LAKE CITY CORP	50	26.0	99.8	104	880		
UTHSPK0867	STATRS POWERHOUSE	40 37.4	H	0	1000	5139	0	
UT08077	SALT LAKE BIG COTTONWOOD	111 45.0	OP	0	0	0	0	
5 DRC	UTAH POWER AND LIGHT CO	40	-42.3	370.0	1000	5139		28





FM 2 ID NO	PROJECT NAME	LAITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	MANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
ACTV CODE	OWNER	DR. AREA	AVE. Q	*PWR. HD.	TOT. CAP.	TOT. ENRGY	(1000 \$)	ERC COMPOSITE
FILE		(D.M.M)	(CFS)	(AC FT)	(KW)	(MMH)	(\$/MMH)	(SEQUENCE RANK)
STATUS		(D.M.M)	(CFS)	(AC FT)	(KW)	(MMH)		(SEQUENCE RANK)
UT5SPK0904	ASHLEY CREEK RESERVOIR	40 37.5	H	100.0	0	0	1120.6	
UTU0046	ASHLEY CREEK	109 37.9	IS	1698.3	8053	27314	41.26	
6 DRC I		62			8053	27314		
UT7SPK0903	SPLIT MOUNTAIN RESERVOIR	40 25.4	H	250.0	0	0	849.7	
UTU0045	GREEN RIVER	109 17.4	IS	33500	117062	490640	17.160	
6 DRC I		22680		314.6	117062	490640		
UT6SPK0908	TYZACK (RED FLEET)	40 34.5	H	145.0	0	0	2176.0	
UTU0027	BRUSH CREEK	109 2.5	IS	26000	167	1392	1563.1	
5 DRC D		85		126.8	167	1392		
UT5SPK0902	UPPER WHITEROCKS	40 36.5	H	50.0	0	0	2700.3	
UTU0036	WHITEROCKS RI	109 56.0	IS	1198.8	32638	51611	52.320	
2 DRC D		74			32638	51611		4
UT5SPK0907	ALTA TUNNEL POWERHOUSE	40 33.9	H	0	0	0	0	
UTU0017	LITTLE COTTON	111 42.5	IS	650.0	0	0	0	
9 ICT I		27			0	0	0	
UT4SPK0912	AMERICAN FORK PH	40 26.2	H	0	950	6500	862.75	
UT08050	AMERICAN FORK	111 43.6	DP	0	8417	12234	70.515	
5 DFC	UTAH POWER AND LIGHT	52		574.0	9367	16734		34
UT6SPK0913	BARTHOLOMEW POWERHOUSE	40 9.6	H	0	500	4374	1002.9	
UT08051	HOBBLE CREEK	111 31.3	DP	0	22718	19381	51.748	
2 DRC	SPRINGVILLE MUN CORP	98		890.0	23218	23755		23
UT4SPK0908	CASTILLA	40 1.9	H	0	0	0	0	
UTU0018	SPANISH FORK	111 31.9	IS	212.0	0	0	0	
9 ICT D		168			0	0	0	
UT7SPK0905	DYNE	40 4.9	H	150.0	0	0	1027.5	
UTU0019	DIAMOND FORK	111 20.5	IS	1020	2669	15644	65.683	
5 DRC D		267		799.2	2669	15644		



FM 2 ID NO	PROJECT NAME	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	STATUS	AVG. Q	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	AVE. Q	PR. HD.	TOT. CAP.	TOT.ENERG	(1000 \$)	ERC COMPOSITE
CODE	DR-AREA	(FT)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE	(D.M.M)	(FT)	(KW)	(MWH)	(MWH)		(SEQUENCE RANK)
STATUS	(SQ.MI)	(CFS)	(KW)	(MWH)	(MWH)		(SEQUENCE RANK)
UTGSPK0927	MILL MEADOW	I R	115.3	0	0	42.802	
UT00208	FREMONT RIVER	OP	3233	101	818	52.303	
5 DRC	FREMONT IRR CO		103.8	101	818		
UTSSPK0926	TAILRACE OF TORREY TO CAPITO	M	10.0	0	0	1361.7	
UTJ0049	FREMONT RIVER	IS	0	7771	29677	45.883	
6 DRC I	WAYNE		1239.7	7771	29677		
UTCSPK0930	CAUSEY RESERVOIR	IDRC	200.0	0	0	114.8	
UT10116	WEBER SOUTH FORK OG	OP	8730	694	3767	30.279	30
2 DRC	US WPRS		187.4	694	3767		
UTCSPK0931	PINEVIEW RESERVOIR	ISCR0	132.0	0	0	197.49	
UT10132	WEBER OGDEN RIVER	OP	11000	1537	8114	24.358	14
2 DRC	US WPRS		122.8	1537	8114		
UTGSPK0929	WEBER PH	M	0	2500	20286	1658.7	
UT08085	WEBER RIVER	OP	0	25110	40996	40.460	
2 DRC	UTAH PWR AND LIGHT CO		1610	27610	61283		10
			-554.9				





PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF VERMONT

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW - 5 MW			5 MW - 10 MW			10 MW - 15 MW			.05 MW - 15 MW		
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
	INCR	POTEN	INCR	INCR	POTEN	INCR	INCR	POTEN	INCR	INCR	POTEN	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
NUMBER	2	13	14	0	0	0	0	0	1	0	0	0
CAPACITY	2.7	9.4	10.4	0	0	0	0	0	15.0	0	0	0
ENERGY	8	39	41	0	0	0	0	0	22	0	0	0
NUMBER	13	30	41	0	1	1	0	0	0	0	0	0
CAPACITY	23.8	23.9	33.7	0	6.9	6.9	0	0	0	0	0	0
ENERGY	106	135	173	0	20	20	0	0	0	0	0	0
NUMBER	10	12	20	3	1	1	1	2	0	0	0	0
CAPACITY	20.0	18.2	14.0	18.2	8.0	6.3	14.3	0	0	0	0	0
ENERGY	88	92	60	97	22	19	41	0	0	0	0	0
NUMBER	10	9	3	12	2	1	2	3	0	1	1	1
CAPACITY	24.2	10.4	6.0	16.4	10.5	5.2	15.1	20.3	0	10.8	10.8	34.8
ENERGY	94	27	22	49	24	4	38	41	0	18	18	118
NUMBER	35	64	35	99	5	3	3	6	0	1	2	4
CAPACITY	70.8	61.9	30.8	92.6	28.7	20.1	21.3	41.5	0	15.0	10.8	25.8
ENERGY	296	292	122	414	121	45	56	102	0	22	40	417
TOTAL												
NUMBER	35	64	35	99	5	3	3	6	0	1	2	4
CAPACITY	70.8	61.9	30.8	92.6	28.7	20.1	21.3	41.5	0	15.0	10.8	25.8
ENERGY	296	292	122	414	121	45	56	102	0	22	40	417

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 COLUMN 5 = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 COLUMN 6 = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF VERMONT

POTENTIAL INCREMENTAL CAPACITY RANGES												
		15 MW - 25 MW			GREATER THAN 25 MW			TOTAL				
		EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	INCR	POTEN
		INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR	POTEN	INCR
		1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP
		1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP
0-19	NUMBER	2	14	15	0	0	0	0	0	2	14	15
	CAPACITY	2.7	24.4	27.1	0.0	0.0	0.0	0.0	0.0	2.7	24.4	27.1
	ENERGY	8.3	60.3	68.6	0.0	0.0	0.0	0.0	0.0	8.3	60.3	68.6
20-49	NUMBER	13	31	44	1	1	2	0	0	14	32	46
	CAPACITY	23.7	30.7	54.4	24.3	15.8	40.1	0.0	0.0	48.6	46.5	95.1
	ENERGY	106	155	261	41.0	146	208	0.0	0.0	147	302	449
50-99	NUMBER	13	13	26	0	2	2	0	0	15	15	30
	CAPACITY	36.2	26.1	62.3	0.0	33.6	50.2	73.1	0.0	111	59.8	170.9
	ENERGY	145	113	258	0.0	152	177	285	0.0	469	266	735
>100	NUMBER	12	10	22	0	0	0	1	0	13	10	23
	CAPACITY	44.7	15.6	60.3	0.0	0.0	0.0	33.5	0.0	68.3	15.6	83.9
	ENERGY	118	30.3	148.3	0.0	0.0	0.0	102	0.0	220	30.3	250.6
TOTAL	NUMBER	40	68	108	1	3	5	3	0	44	71	115
	CAPACITY	99.4	96.9	196.3	24.3	49.4	85.6	107	0.0	231	146	377
	ENERGY	417	359	776	555	41.0	385	387	0.0	845	658	1503

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	ENERG. ANUL. COST	ERC. ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENERGY COST	ERC. NON-ECONOMIC
ACTV DEP	DR. AREA	AVE. Q	WPR. MD.	TOT. CAP.	TOT. ENERGY	(1000 \$)	ERC COMPOSITE
CODE	(D M.M)	(AC FT)	(KWH)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE	(D M.M)	(CFS)	(KWH)	(MWH)	(MWH)		(SEQUENCE RANK)
STATUS	(SQ.HI)						(SEQUENCE RANK)
VTGNED8014	BELDEN	44 2.9	H	41.0	1600	60.713	1218
VT66010	ADDYSON	73 10.7	OP	0	2245	27.44	1218
2 DRC	VT. MARBLE CO.	365		41.0	11845		1218
VT6NED7021	HANCOCK						
VT96852	ADDYSON	43 56.5	H	50.0	0	63.900	2099
2 DRC I		72 50.4	IS	8250	744	85.782	2096
		30		43.0	744		2096
VTGNED8015	HUNTINGTON FALLS	44 4.1	H	175.0	10000	82.612	1067
VT66011	ADDYSON	73 11.9	OP	0	11201	7.3755	1067
2 DRC	VT. MARBLE CO.	753		175.0	21201		1067
VT6NED7019	HUNTINGTON FALLS	44 3.9	H	25.0	0	462.93	2022
VT96101	ADDYSON	73 14.2	IS	5125	14774	31.333	2022
2 DRC I		749		21.0	14774		2022
VTGNED8018	MIDDLEBURY LOWER	44 1.7	H	28.0	7400	54.330	1083
VT66754	ADDYSON	73 10.7	OP	0	6372	8.5265	1083
2 DRC	CENTRAL VT PUBLIC SERVICE CO.	630		28.0	13772		1083
VT6NED6142	MIDDLEBURY UPP	44 1.1	0	0	0	224.93	1316
VT 6755	ADDYSON	73 10.0	OP	0	5730	39.254	1316
2 DRC I	CENTRAL VT. PUBLIC SERVICE CO.	630		15.0	5730		1316
VT6NED7018	NEW HAVEN HILLS	44 5.5	H	67.0	0	126.48	2029
VT96100	ADDYSON	73 6.4	IS	30490	3718	34.11	2029
2 DRC I		85		57.0	3718		2029
VTGNED8021	SALTSBURY	43 54.0	H	160.0	3700	0	
VT66759	ADDYSON	73 5.4	OP	0	0	0	
2 DFC	VT PUBLIC SERVICE CO.	22		159.8	3700		
VTINED8020	SILVER LAKE	43 54.0	H	9.0	6400	101.98	2112
VT66752	ADDYSON	73 3.0	OP	0	313	325.81	2109
2 DRC	CENTRAL VT PUBLIC SERVICE CO.	676		9.0	6086		2109



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ANUL. COST	ERC ECONOMIC	ERC ECONOMIC	ERC ECONOMIC	ERC ECONOMIC
CODE	DR. AREA	AVE. G	APWR. HD.	TOT. CAP.	TOT. ENRG	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
FILE	(D M.M)	(AC FT)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)
STATUS	(80.MI)	(CFS)	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)
VTGNE08029	GREAT FALLS	H	61.0	1200	7700	93.594	2104	2101	2101	2101	2101
VT64515	CALEDONIA	DP	0	823	757	123.63	2104	2101	2101	2101	2101
2 DRC	VILLAGE OF LYNDONVILLE	H	61.0	2023	8457						
VTGNE08515	HARDWICK LAKE	0	20.0	0	0	124.33	1502	1502	1502	1502	1502
VT04250	CALEDONIA	DP	0	365	1545	80.431	1502	1502	1502	1502	1502
2 DRC	VILLAGE OF HARDWICK	H	20.0	365	1545						
VT6NE07016	JOES BROOK	H	100.0	0	0	122.48	2069	2066	2066	2066	2066
VT94853	CALEDONIA	IS	7500	663	2319	52.806	2069	2066	2066	2066	2066
2 DRC I	CALEDONIA	IS	85.0	663	2319						
VT6NE07010	LYNDON CENTER	H	65.0	0	0	92.835	2039	2038	2038	2038	2038
VT94601	CALEDONIA	IS	12350	416	2333	39.608	2039	2038	2038	2038	2038
2 DRC I	CALEDONIA	IS	55.0	416	2333						
VT6NE07013	MILE 1	H	100.0	0	0	125.68	2056	2054	2054	2054	2054
VT94609	CALEDONIA	IS	6000	703	2583	48.647	2056	2054	2054	2054	2054
2 DRC I	CALEDONIA	IS	85.0	703	2583						
VT6NE07014	MILE 2	H	67.0	0	0	92.478	2079	2076	2076	2076	2076
VT94610	CALEDONIA	IS	6533	426	1494	61.871	2079	2076	2076	2076	2076
2 DRC I	CALEDONIA	IS	57.0	426	1494						
VTGNE08042	PASSUMPSIC	H	22.0	700	4100	7.8274	1090	1090	1090	1090	1090
VT64504	CALEDONIA	DP	0	76	885	8.8446	1090	1090	1090	1090	1090
2 DRC	CENTRAL VT PUB. SER. CO.	H	22.0	776	4985						
VTGNE08030	WEST DANVILLE	H	180.0	1000	2500	48.463	2109	2106	2106	2106	2106
VT64752	CALEDONIA	DP	0	574	174	278.52	2109	2106	2106	2106	2106
2 DRC	GREEN MOUNTAIN PAPER CO.	H	180.0	1574	2674						
VTMNE06177	EAST RYEGATE	H	0	0	0	1845.3	1518	1518	1518	1518	1518
VT 4763	CALEDONIA	DP	0	14881	21707	85.10	1518	1518	1518	1518	1518
2 DRC I	COPPER PAPER CO.	H	8.0	14881	21707						

FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	NAME OF STREAM	DR. AREA	ST. STATUS	HY. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV CODE	OWNER			AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRG		ERC COMPOSITE
FILE			(D M. M)	(FT)	(KW)	(MWH)	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)
STATUS			(D M. M)	(AC FT)	(KW)	(MWH)			(SEQUENCE RANK)
			(SO. MI)	(CFS)	(KW)	(MWH)			(SEQUENCE RANK)
VTANED06187	AMERICAN WOOL	44 29.5	73 10.9	OP	0	6909	0	687.30	1280
2 DRC	CHITTENDEN	1100		-1797.2	20.0	6909	19638	34.998	1280
	UNKNOWN						19638		1280
VT6NED07005	BROWN RIVER	44 36.2	73 0.7	H	50.0	0	0	133.36	2037
VT92050	CHITTENDEN	73 0.7	75	IS	23750	787	3405	38.704	2036
2 DRC I				-164.4	43.0	787	3445		2036
VTGNE08008	CLARKS FALLS	44 38.4	73 6.6	H	44.0	3000	13000	34.869	1029
VT62005	CHITTENDEN	73 6.6	690	OP	0	910	8535	4.855	1029
2 DRC	CENTRAL VT PUBLIC SERVICE CO.			-960.4	44.0	3910	21535		1029
VTGNE08025	GORGE EIGHTEEN	44 29.4	73 10.2	H	34.0	3000	15000	114.69	1104
VT62501	CHITTENDEN	73 10.2	1080	OP	0	2689	10857	10.564	1104
2 DRC	GREEN MOUNTAIN PAPER CO.			-1764.5	34.0	5689	25857		1104
VTGNE08024	GORGE NINETEEN	44 28.8	73 7.1	H	69.0	7200	39000	345.63	1252
VT62001	CHITTENDEN	73 7.1	1040	OP	0	3560	10876	31.780	1252
2 DRC	GREEN MOUNTAIN PAPER CO.			-1699.1	69.0	10760	49876		1252
VT6NED07006	HUNTINGTON	44 21.9	73 59.0	H	100.0	0	0	127.47	2030
VT92550	CHITTENDEN	73 59.0	60	IS	26250	729	3747	34.14	2030
2 DRC I				-110.1	85.0	729	3747		2030
VTGNE08009	MILTON FALLS	44 38.4	73 7.1	H	95.0	6000	35000	142.43	1115
VT62006	CHITTENDEN	73 7.1	690	OP	0	2624	11826	12.44	1115
2 DRC	CENTRAL VT PUBLIC SERVICE CO.			-960.4	95.0	8624	46826		1115
VTGNE08010	PETERSON FALLS	44 38.4	73 9.5	H	60.0	5000	23100	0	
VT62008	CHITTENDEN	73 9.5	700	OP	0	0	0	0	
2 DFC	CENTRAL VT PUBLIC SERVICE CO.			-972.7	59.9	5000	23100		
VTGNE08001	CANAAN	45 0.0	71 31.6	H	35.0	1100	7400	0	
VT61251	ESSEX	71 31.6	377	OP	0	0	0	0	
2 DFC	PUBLIC SERVICE CO.-NH			-752.9	34.9	1100	7400		

FM 2 ID NO	PROJECT NAME	PROJECT NO.	NAME OF STREAM	ALONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
FM 1 ID NO	ACTV DEP	OWNER	DR. AREA	DR. AREA	MX. STOR.	INC. CAP.	TOT. CAP.	TOT. ENRG	ENERGY COST	ERC COMPOSITE	ERC NON-ECONOMIC
CODE	FILE	STATUS	(D M.M)	(D M.M)	(AC FT)	(KW)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)
VTGNE	VTGNE	VTGNE	(30.M)	(30.M)	(FT)	(KW)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)	(SEQUENCE RANK)
VTGNE002	GILMAN	H	44 24.6	44 24.6	27.0	3390	3390	15000	43.640	1015	1015
VTG1755	ESSEX	OP	71 43.1	71 43.1	0	1042	1042	14110	3.928	1015	1015
2 DRC	GEORGIA PACIFIC CO.	-2982.5	1538	1538	27.0	4432	4432	29110			
VT6NED7004	MILE 12	H	44 27.4	44 27.4	95.0	0	0	0	140.8	2027	2027
VT91804	ESSEX	IS	71 52.1	71 52.1	43700	848	848	4128	33.931	2027	2027
2 DRC		-149.4	86	86	81.0	848	848	4128			
VT6NED7003	STONE DAM	H	44 46.6	44 46.6	160.0	0	0	0	732.30	2032	2032
VT91554	ESSEX	IS	71 40.1	71 40.1	50400	8728	8728	20432	35.639	2032	2032
2 DRC		-206.2	114	114	153.0	8728	8728	20432			
VT6NED6500	EAST HIGHGATE	OP	44 55.8	44 55.8	11.0	0	0	0	267.84	1362	1362
VT00003	FRANKLIN	OP	72 59.3	72 59.3	11.0	950	950	5656	47.352	1362	1362
2 DRC	UNKNOWN	-1473.3	810	810	11.0	950	950	5656			
VTGNE06038	ENNSBURG FALLS 2	H	44 54.0	44 54.0	23.0	750	750	3930	44.776	1119	1119
VT60251	FRANKLIN	OP	72 48.5	72 48.5	23.0	465	465	3567	12.552	1119	1119
2 DRC	UNKNOWN	-1175.0	596	596	23.0	1215	1215	7497			
VTGNE0013	FAIRFAX FALLS	H	44 39.0	44 39.0	85.0	2880	2880	16000	84.518	1084	1084
VT60752	FRANKLIN	OP	72 59.3	72 59.3	85.0	1086	1086	9873	6.5603	1084	1084
2 DRC	CENTRAL VT PUBLIC SERVICE CO	-962.2	529	529	85.0	993	993	25873			
VTGNE0006	HIGHGATE FALLS	H	44 55.8	44 55.8	62.0	4600	4600	21000	247.89	1125	1125
VT60004	FRANKLIN	OP	73 3.0	73 3.0	62.0	3937	3937	18675	13.274	1125	1125
2 DRC	VILLAGE OF SWANTON, VT	-1491.5	820	820	62.0	8537	8537	39675			
VT6NED7001	SHELDON RESERVOIR	H	44 52.5	44 52.5	35.0	0	0	0	141.10	2060	2060
VT90051	FRANKLIN	IS	72 56.5	72 56.5	5430	676	676	2865	49.244	2058	2058
2 DRC	BLACK CREEK	-244.8	117	117	30.0	676	676	2865			
VTGNE0007	SHELDON SPRINGS	H	44 54.6	44 54.6	79.0	1750	1750	7000	19.110	1008	1008
VT60007	FRANKLIN	OP	72 58.1	72 58.1	79.0	201	201	9763	1.9373	1008	1008
2 DRC	STANDARD PACKAGE CORP.	-1466.0	806	806	79.0	1951	1951	16763			

FM 2 ID NO	ACTV DEP	FILE	STATUS	VT	DRC	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	DR. AREA	(D M.M)	(D M.M)	(SQ.MI)	PROJ. PURP.	DAN HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRGY	ANUL. ENRGY	COST	ERC ECONOMIC	ERC NON-ECONOMIC	
									(AC FT)	(PT)	(CFS)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)
VTMNE0199				VT	9	SWANTON DAM	FRANKLIN	MISSISSQUI	44 55.2	73 7.6	847				0	0	2795	2795	0	0	504.17	1462	1462		
2	DRC	I				VILLAGE SWANTON									0	10.0	2795	2795	0	0	68.652			1462	
VTGNE0011				VT		CADYS FALLS			44 34.1	40.0					H		1300			3500	15.523	1030	1030		
2	DRC					LAMOILLE			72 36.6	0					OP	0	243			3753	4.1361			1030	
2	DRC					VILLAGE OF MORRISVILLE			250	40.0	-430.4					1943	7253			7253				1030	
VT6NE07007				VT		JOHNSON			44 37.6	70.0					H		0			0	680.5	2035	2035		
2	DRC	I				LAMOILLE			72 40.7	42350					IS	60.0	6278			18730	36.308			2035	
2	DRC	I				LAMOILLE			385	60.0	-594.0					6278	18730			18730				2035	
VTGNE0012				VT		MORRISVILLE			44 33.5	52.0					H		1800			5500	0				
2	DFC					LAMOILLE			72 35.9	0					OP	0	0			0	0				
2	DFC					VILLAGE OF MORRISVILLE			225	51.9	-388.6					1800	5500			5500					
VT6NE07008				VT		WILD BRANCH			44 33.9	90.0					H		0			0	93.251	2088	2088		
2	DRC	I				LAMOILLE			72 29.0	20250					IS	77.0	335			1258	74.112			2088	
2	DRC	I				LAMOILLE			30		-41.9					335	1258			1258				2088	
VTGNE00040				VT		WOLCOTT DAM			44 32.3	56.0					H		800			2469	21.865	1095	1095		
2	DRC					LAMOILLE			72 26.4	0					OP	0	349			2337	9.3564			1095	
2	DRC					UNKNOWN			130	56.0	-225.9					1149	4806			4806				1095	
VTMNE0009				VT		BOLTONVILLE DAM			44 10.1	30.0					H		0			0	120.24	1430	1430		
2	DRC					ORANGE			72 5.3	0					OP	0	481			1924	62.480			1430	
2	DRC					GREEN MNT. POWER CO.			94	30.0	-163.3					481	1924			1924				1430	
VTMNE07022				VT		BOLTONVILLE #1			44 9.2	65.0					H		0			0	125.66	2036	2036		
2	DRC	I				ORANGE			72 4.4	12035					IS	844	3596			3596	36.999			2036	
2	DRC	I				ORANGE			90	55.0	-156.4					844	3596			3596				2036	
VTMNE00222				VT		BRADFORD			43 59.5	0					H		0			0	120.82	1232	1232		
2	DRC	I				ORANGE			72 7.6	25					OP	25	698			4169	28.980			1232	
2	DRC	I				CENTRAL VT. P.S.CO.			153	50.0	-217.2					698	4169			4169				1232	



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG. ANNUAL	CDST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	MX. STOR.	MX. STOR.	MX. STOR.	HD.	TOT. CAP.	TOT. ENRGY	(MWH)	(MWH)	ERC COMPOSITE
CODE	FILE	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(D M.M)	(AC FT)	(KWH)	(MWH)	(MWH)	(SEQUENCE RANK)
STATUS		(SQ. MI)	(SQ. MI)	(SQ. MI)	(SQ. MI)	(SQ. MI)	(KWH)	(KWH)	(KWH)	(KWH)	(SEQUENCE RANK)
VT6NED7023	CASSELL	ORANGE	WAITS RIVER	44 0.0	72 10.0	H	165.0	0	0	485.27	2018
VT97356	ORANGE	ORANGE	WAITS RIVER	72 10.0	138	IS	70950	4786	14989	29,705	2018
VT6NED7025	COPPER FLAT	ORANGE	WEST BRANCH	43 50.0	72 19.8	H	60.0	0	0	83,647	2089
VT97852	ORANGE	ORANGE	WEST BRANCH	72 19.8	39	IS	3750	306	1092	76,579	2086
VT6NED7024	PIERMONT	ORANGE	CONN. RIVER	43 57.3	72 5.9	H	24.0	0	0	1639.5	2015
VT97850	ORANGE	ORANGE	CONN. RIVER	72 5.9	3104	IS	85200	19579	61939	26,470	2015
VTANED6220	UNION VILAG DM	ORANGE	OMPOMPAN R	43 46.3	72 15.4	C	0	0	0	115.20	1262
VT77763	ORANGE	DAEN NED	OMPOMPAN R	72 15.4	126	OP	38000	615	3527	32,655	1262
VT6NED8039	BAKERS FALLS	ORLEANS	MISSISSOUI RI	44 53.4	72 24.0	H	28.0	600	1200	14,572	1097
VT61015	ORLEANS	CITIZENS UNION S	MISSISSOUI RI	72 24.0	97	OP	28.0	148	1521	9,5811	1097
VT6NED7002	JAY BRANCH RESERVOIR	ORLEANS	JAY BRANCH	44 57.2	72 25.6	H	140.0	0	0	875.70	2053
VT91051	ORLEANS	ORLEANS	JAY BRANCH	72 25.6	132	IS	101500	10808	18089	48,408	2053
VT6NED8043	LURBER LAKE	ORLEANS	CLYDE RIVER	44 54.0	72 3.5	H	57.0	600	4000	18,369	1127
VT61254	ORLEANS	UNKNOWN	CLYDE RIVER	72 3.5	108	OP	57.0	290	1379	13,320	1127
VT6NED8031	NEWPORT	ORLEANS	CLYDE RIVER	44 55.8	72 10.7	H	140.0	4000	14000	107.63	1154
VT61012	ORLEANS	CITIZENS UTILITIES CO.	CLYDE RIVER	72 10.7	140	OP	140.0	1403	5637	19.95	1154
VT6NED8032	NEWPORT TWO	ORLEANS	CLYDE RIVER	44 56.4	72 10.7	H	55.0	1600	5000	27.330	1101
VT61013	ORLEANS	CITIZENS UTILITIES CO.	CLYDE RIVER	72 10.7	140	OP	55.0	522	2714	10.70	1101

FM 2 ID NO	PROJECT NAME	STATUS	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.EARG	ANUL.COST	ERC ECONOMIC
ACTY DEP	PRIMRY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	DR AREA	DR AREA	DR AREA	DR AREA
FILE	STATUS	FILE	STATUS	FILE	STATUS	FILE	STATUS	FILE
VTMNE08514	NORTH TROY DAM	MISSISSOUI RIV	72 24.1	137	0	0	0	0
VT01016	ORLEANS	MISSISSOUI RIV	72 24.1	137	277	1651	119,224	1475
2 DRC	JAY TROY DEVELOPMENT				277	1651	72,218	1475
VTGNE08033	PENSIONER POND	CLYDE RIVER	44 53.4	70.0	1400	4000	63,990	1146
VT61255	ORLEANS	CLYDE RIVER	72 3.5	0	641	3533	18,112	1146
2 DRC	BARTON VILLAGE EXEC.				2041	7533		
VTGNE08037	CARVERS FALLS	POULTNEY RIVER	43 37.8	155.0	1560	5215	31,505	1043
VT68044	RUTLAND	POULTNEY RIVER	73 18.5	0	382	6204	5,783	1043
2 DRC	UNKNOWN				1942	11419		
VT6NE07036	EAST CLARENDON	MILL RIVER	43 31.2	67.0	0	0	109.4	2020
VT98604	RUTLAND	MILL RIVER	72 55.5	12000	622	3558	30,643	2020
2 DRC I					622	3558		
VTGNE08022	GLEN	EAST CREEK	43 39.0	173.0	2000	5600	0	2020
VT68034	RUTLAND	EAST CREEK	72 56.9	0	0	0	0	
2 DFC	CENTRAL VT PUBLIC SERVICE CO				2000	5600		
VTMNE08531	NEEDHAMS MILL	HUBBARDT RIVER	43 42.0	19.0	0	0	192.34	1336
VT08001	RUTLAND	HUBBARDT RIVER	73 16.8	0	855	4581	41,982	1336
2 DRC	A. GRAHAM CAREY				855	4581		
VTANE08519	NESHORE	NESHORE RIVER	43 47.4	63.0	0	0	737.85	1278
VT08054	RUTLAND	NESHORE RIVER	73 4.8	0	7975	21841	34,698	1278
2 DRC	CENTRAL VT. PUBLIC SERVICE				7975	21841		
VT6NE07034	NORTH PAWLET	METTAWEE RIVER	43 22.4	65.0	0	0	123.46	2041
VT98601	RUTLAND	METTAWEE RIVER	72 13.8	8130	812	3047	40,506	2041
2 DRC I					812	3047		
VT6NE07033	PAWLET	METTAWEE RIVER	43 20.1	93.0	0	0	137.21	2017
VT98600	RUTLAND	METTAWEE RIVER	73 10.6	54400	800	4647	29,526	2017
2 DRC I					800	4647		

FILE NO	PROJECT NAME	LONGITUDE	DAM HT	EXIST. CAP.	ANNUAL ENERGY COST	ERC ECONOMIC	
ACTV DEP	OWNER	DR AREA	STOR. HD.	INC. CAP.	ENERGY COST	ERC NON-ECONOMIC	
CODE		(SQ. MI)	(AC FT)	(KW)	(1000 \$)	(SEQUENCE RANK)	
STATUS		(D.M.M)	(AC FT)	(KW)	(\$/MWH)	(SEQUENCE RANK)	
		(80.MI)	(FT)	(MWH)	(MWH)	(MWH)	
VTGNE08023	PITTSFORD	43 43.2	481.0	3600	8000	197.53	2114
VT68046	RUTLAND	72 55.2	0	3070	278	710.57	2111
2 DRC	CENTRAL VT PUBLIC SERVICE CO.	17	-25.5*	6670	7721		
VTGNE08019	PROCTOR	43 39.6	120.0	3930	15000	0	
VT68027	RUTLAND	73 1.8	0	0	0	0	
2 DFC	VT MARBLE CO.	363	-661.6*	3930	15000		
VTMNE0525	RIPLEY MILLS	43 35.9	10.0	0	0	163.46	1499
VT08036	RUTLAND	72 59.5	0	339	2056	79.477	1499
2 DRC	RUTLAND PLYWOOD, CO.	307	-553.9*	339	2056		
VT6NE07035	WALLINGFORD	43 27.5	47.0	0	0	115.4	2065
VT98602	RUTLAND	72 58.8	2021.0	536	2250	51.119	2062
2 DRC I		96	-126.8*	536	2250		
VTMNE06269	BOLTON FALLS	44 21.4	0	0	0	279.95	1116
VT 5250	WASHINGTON	72 48.7	0	3813	23131	12.102	1116
2 DRC I	GREEN MT. POWER CO.	850	-1386.7*	3813	23131		
VTMNE0822	DANTELS MILL	44 17.4	35.0	0	0	123.2	1431
VT05522	WASHINGTON	72 34.3	0	538	1967	62.535	1431
2 DRC	UNKNOWN	70	-135.8*	538	1967		
VT6NE07017	E. MONTEPELIER	44 16.1	30.0	0	0	137.56	2052
VT95600	WASHINGTON	72 28.5	1150.0	736	3391	46.459	2050
2 DRC I		183	-336.6*	736	3391		
VTGNE08026	MIDDLESEX TWP	44 17.9	92.0	3200	15000	26.447	1107
VT65252	WASHINGTON	72 41.9	0	738	2442	11.649	1107
2 DRC	GREEN MOUNTAIN PAPER CO.	531	-787.4*	3938	17442		
VTGNE08027	HOLLIS FALLS	44 21.5	328.0	5000	6700	0	
VT65514	WASHINGTON	72 18.5	0	0	0	0	
2 DFC	GREEN MOUNTAIN PAPER CO.	20	-28.5*	5000	6700		

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANNUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	DR AREA	STATION	DR AREA	STATUS	PK. STOR.	INC. CAP.	INC. ENRG ENERGY COST	ERC NON-ECONOMIC
CODE	FILE	(D M M)	(D M M)	(D M M)	AVE. Q	(FT)	(KW)	TOT. ENRG	ERC COMPOSITE
STATUS	(80 MI)	(AC FT)	(AC FT)	(KW)	(CFS)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
VTMNE0912	MONTPELIER THREE	44 14.6	44 14.6	44 14.6	0	8.0	0	0	(SEQUENCE RANK)
VT0520	WASHINGTON WINDOSKI RIVER	72 31.0	72 31.0	72 31.0	OP	0	309	1770	(SEQUENCE RANK)
2 DRC	GREEN MNT. POWER CO	438	438	438	0	8.0	309	1770	1529
VTMNE0914	MONTPELIER FOUR	44 14.2	44 14.2	44 14.2	0	0	0	0	1529
VT 5519	WASHINGTON WINDOSKI R	72 31.5	72 31.5	72 31.5	OP	0	736	3475	1358
2 DRC I	GREEN MT. POWER CO.	201	201	201	0	25.0	736	3475	1358
VTMNE06279	MORETOWN EIGHT	44 17.3	44 17.3	44 17.3	0	0	0	0	1348
VT 5752	WASHINGTON MAD RIVER	72 42.4	72 42.4	72 42.4	OP	0	793	3344	1348
2 DRC I	RICHARD HUNGERFORD	130	130	130	0	34.0	793	3344	1348
VTONE06523	NORTHFIELD MILL	44 9.4	44 9.4	44 9.4	0	25.0	0	0	1536
VT05758	WASHINGTON DOG RIVER	72 38.7	72 38.7	72 38.7	OP	0	267	1112	1536
2 DRC	UNKNOWN	62	62	62	0	25.0	267	1112	1536
VTINE08028	WATERBURY RESERVOIR	44 22.8	44 22.8	44 22.8	H	148.0	5520	17000	2115
VT65257	WASHINGTON LITTLE RIVER	72 46.1	72 46.1	72 46.1	OP	0	2759	-163	2112
2 DRC	GREEN MOUNTAIN PAPER CO.	109	109	109	0	148.0	8279	16816	2112
VTANE06290	BALL MOUNTAIN	43 6.3	43 6.3	43 6.3	C	0	0	0	1181
VT79251	WINDHAM WEST RIVER	72 46.5	72 46.5	72 46.5	OP	54600	1201	6930	1181
2 DRC I	DAEN NED	172	172	172	0	44.2	1201	6930	1181
VTGNE08004	BELLOWS FALLS	43 6.4	43 6.4	43 6.4	H	63.0	40800	215000	1144
VT69254	WINDHAM CONNECTICUT R	72 26.9	72 26.9	72 26.9	OP	0	17429	55367	1144
2 DRC	NEW ENGLAND POWER CO.	5414	5414	5414	0	63.0	58229	270367	1144
VTGNE07042	BROCKWAY MILLS	43 12.3	43 12.3	43 12.3	H	130.0	0	0	2013
VT99400	WINDHAM WILLIAMS RIVER	72 31.9	72 31.9	72 31.9	IS	107900	852	5103	2013
2 DRC I	WINDHAM	101	101	101	0	111.0	852	5103	2013
VTGNE07043	BUNDY BROOK	43 6.4	43 6.4	43 6.4	H	50.0	0	0	2061
VT99404	WINDHAM SAXTONS RIVER	72 29.5	72 29.5	72 29.5	IS	3000	636	2414	2059
2 DRC I	WINDHAM	76	76	76	0	43.0	636	2414	2059

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG ANNUAL COST	ERC ECONOMIC
ACTV DEP	OWNER	DR. AREA	STATUS	AVE. G	PMR. HD.	MX. STOR.	TOT. CAP.	TOT. ENRG	ENERGY COST	ERC COMPOSITE
CODE		(D M.M)	(CFS)	(AC FT)	(FT)	(KW)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE		(D M.M)	(CFS)	(AC FT)	(FT)	(KW)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ.MI)								(SEQUENCE RANK)
VTNED8036	HARRIMAN	VT	DEERFIELD RIV	72 55.2	H	390.0	33600	102000	94.603	1201
VT69760	WINDHAM	VT	DEERFIELD RIV	72 55.2	CP	0	5241	3754	25.200	1201
2 DRC	NEW ENGLAND POWER CO.			184		390.0	38841	105754		1201
VT6NED7047	NO 10									
VT99419	WINDHAM		EAST BRANCH	42 56.2	H	80.0	0	0	133.91	2058
2 DRC I				72 56.9	IS	16000	655	2741	48.846	2056
VT6NED7045	RAWSONVILLE									
VT99408	WINDHAM		WINDHALL RIVE	43 9.1	H	80.0	0	0	129.78	2075
2 DRC I				72 49.8	IS	10000	611	2286	56.757	2072
VT6NED6294	SOMERSET RES									
VT 9518	WINDHAM		DEERFIELD R	42 58.0	0	0	0	0	86.715	1290
2 DRC I	NEW ENGLAND POWER CO.			72 56.9	DP	0	421	2357	36.777	1290
VTANED6291	TOWNSHEND DAM									
VT79257	WINDHAM		WEST RIVER	43 2.9	CR	0	0	0	195.51	1324
2 DRC I	DAEN-NED			72 42.1	OP	3360	1119	4861	40.220	1324
VT6NED8005	VERNON									
VT69757	WINDHAM		CONNECTICUT R	42 46.1	H	36.0	24400	41000	1505.6	1102
2 DRC	NEW ENGLAND POWER CO.			72 30.6	CP	0	15805	146499	10.277	1102
VTANED6295	W DUMMERSTON									
VT 9751	WINDHAM		WEST RIVER	42 58.0	0	26.0	0	0	206.65	1259
2 DRC I	CENTRAL VT. PUBLIC SERVICE CO.			72 37.0	DP	0	1285	6361	32.486	1259
VT6NED7044	W. LONDONDERRY									
VT99407	WINDHAM		WEST RIVER	43 12.7	H	50.0	0	0	93.438	2082
2 DRC I				72 49.5	IS	3750	351	1351	69.140	2082
VT6NED8034	CAVENDISH									
VT68751	WINDSOR		BLACK RIVER	43 22.8	H	120.0	1440	6100	23.317	1172
2 DRC	CENTRAL VT PUBLIC SERVICE CO.			72 35.9	OP	0	270	1068	21.832	1172
				82		120.0	1710	7168		1172

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
ACTV DEP	OWNER	CO.	DR. AREA	DR. AREA	DR. AREA	STATUS	HT	INC. CAP.	ENERGY	ENERGY COST	ERC NON-ECONOMIC
CODE			(SQ. MI)	(D.M.M)	(D.M.M)	AVE. Q	(FT)	(KW)	(MWH)	(1000 \$)	ERC COMPOSITE
FILE			(SQ. MI)	(D.M.M)	(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS			(SQ. MI)	(D.M.M)	(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
VTMNE06331	COMTU FALLS	WINDSOR	BLACK RIVER	43 17.1	72 30.1	0	0	0	0	164.94	1325
2 DRC N	JAYO MEG. CO.			191		DP	30.0	946	4083	40.391	1325
VTMNE08501	DEMEYS HILLS POND	WINDSOR	OTTAUQUECH RIVER	43 38.7	72 24.1	0	15.0	0	0	147.11	1478
2 DRC	QUECHEE LAKES CORP.			207		DP	15.0	406	2016	72.946	1478
VTMNE06315	DEMEYS HILLS	WINDSOR	OTTAUQUECH	43 31.1	72 28.0	0	0	0	0	169.83	1234
2 DRC D	UNKNOWN			207		DP	40.0	1262	5788	29.340	1234
VTMNE06317	EMERY HILLS	WINDSOR	OTTAUQUECH	43 38.6	72 25.2	0	0	0	0	167.11	1309
2 DRC I	QUECHEE LAKES CORP.			205		DP	30.0	971	4371	38.233	1309
VT6NE07028	GAYSVILLE	WINDSOR	WHITE RIVER	43 46.5	72 42.8	H	110.0	0	0	1161.8	2053
2 DRC I				226		IS	85800	16539	24372	47.672	2051
VTANED6332	GILMAN DAM	WINDSOR	BLACK RIVER	43 18.3	72 31.0	0	30.0	0	0	164.94	1326
2 DRC I	VT FIBERS CORP.			191		DP	30.0	946	4083	40.391	1326
VTMNE06318	HAMPSON	WINDSOR	OTTAUQUECH	43 35.5	72 20.9	0	0	0	0	166.2	1347
2 DRC	ROGER LAMSON			225		DP	25.0	796	3796	43.733	1347
VT6NE07040	HAWKS MOUNTAIN	WINDSOR	BLACK RIVER	43 23.2	72 33.3	H	190.0	0	0	552.90	2023
2 DRC I				111		IS	105405	6335	17117	32.301	2023
VT6NE07039	LUDIOW	WINDSOR	BLACK RIVER	43 24.3	72 42.4	H	35.0	0	0	98.789	2094
2 DRC I				56		IS	30.0	313	1223	80.776	2091



FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	DAM HT	PROJ. PURP.	STATUS	AVE. Q	PHR. MD.	MX. STOR.	EXIST. CAP.	INC. CAP.	TOT. CAP.	TOT. ENERGY	ENERGY COST	ANNUAL COST	ERC ECONOMIC
ACTV DEP	OWNER	DR AREA	LONGITUDE	(D M M)	(D M M)	(90 MI)	(CFS)	(AC FT)	(AC FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(ERC COMPOSITE)
CODE	FILE	(D M M)	(D M M)	(90 MI)	(CFS)	(AC FT)	(AC FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(ERC COMPOSITE)
VTGNE0044	TAFSVILLE DAM	WINDSOR	OTTAUQUECHEE	43 37.8	72 28.1	190	H	19.0	0	500	257	757	2000	33,690	1370	1370
2 DRC	CENTRAL VT. PUB. SER. CO.						DP	19.0	0	757	257	757	2664	50,737	1370	1370
VTGNE07027	WEST BR. WHITE RIVER	WINDSOR	WEST BR. WHITE RIVER	43 51.2	72 49.4	44	H	70.0	0	0	383	383	0	114,68	2095	2095
2 DRC I	WINDSOR						IS	7350	7350	383	383	383	1414	81,103	2092	2092
VTGNE07038	WEST WOODSTOCK	WINDSOR	OTTAUQUECHEE	43 36.3	72 33.4	123	H	105.0	0	0	2483	2483	0	281,10	2026	2026
2 DRC I	WINDSOR						IS	37280	37280	2483	2483	2483	8305	33,847	2026	2026
VTGNE08003	WILDER	WINDSOR	CONNECTICUT R	43 40.2	72 18.0	0	H	51.0	32400	32400	69500	69500	69500	807,29	1077	1077
2 DRC	NEW ENGLAND POWER CO.						DP	0	16259	16259	97058	97058	166558	8,3176	1077	1077



... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF VIRGINIA

***** POTENTIAL INCREMENTAL CAPACITY RANGES *****												
	0.05 MW	5 MW	10 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW
	EXIST	EXIST	EXIST	EXIST	UNDEV	UNDEV	UNDEV	UNDEV	UNDEV	EXIST	EXIST	UNDEV
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY	CAPCTY
	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY	ENERGY
0-19	8	6	0	1	0	0	0	0	0	1	8	7
	15.4	0	5.8	0	0	0	0	0	0	10.4	10.4	21.1
	63	0	18	0	0	0	0	0	0	63	63	80
20-49	3	8	1	2	0	0	0	0	0	3	5	13
	12.4	0	7.5	16.4	0	0	0	0	0	42.2	27.3	71.0
	52	0	28	28	0	0	0	0	0	91	98	171
50-99	2	1	2	0	0	0	0	0	0	1	2	2
	4.1	3.2	7.3	0	5.2	0	0	0	0	13.6	13.6	9.4
	16	7	13	0	11	0	0	0	0	31	31	18
>100	1	1	0	0	0	0	0	0	0	0	0	0
	1.5	0	1.5	0	0	0	0	0	0	14.8	24.4	16.3
	3	0	3	0	0	0	0	0	0	32	56	35
TOTAL	14	16	1	4	0	0	0	0	0	6	18	24
	33.4	3.2	36.6	7.5	27.4	0	0	0	0	81.0	65.2	117.5
	111	124	6	130	28	58	0	0	0	187	233	305

\*\*\*\*\* L E G E N D \*\*\*\*\*

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS      COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)

COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS      CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)

COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES      ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)





FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	INC. ENRG ANUL. COST	ERC ECONOMIC
ACTV DEP	FILE	STATUS	DR. AREA	(D M.M)	(D M.M)	(SQ.MI)	AVE. Q	PMR. HD.	TOT. CAP.	TOT. ENRGY	(1000 \$)	ERC NON-ECONOMIC
CODE	STATUS	(CFS)	(FT)	(AC FT)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
VA4NAD0009	KING DAM	ALLEGHANEY	JACKSON RIVER	H	37 46.7	79 55.6	IS	65.0	0	30710	2068.1	0.
2 DRC I	VAU0033	ALLEGHANEY	JACKSON RIVER	IS	812	958.0	57.9	13620	30710	67.342	0.	2000
VA6NAD0012	STACKMINE	ALLEGHANEY	DUNLAP CREEK	H	37 45.3	80 5.9	IS	135.0	0	4774	2279.6	0.
5 SCP I	VAU0084	ALLEGHANEY	DUNLAP CREEK	IS	103	103.0	92.5	1397	4774	477.46	0.	0.
VA6NAD0017	GENITO DAM	AMELIA	APPOMATTOX R	CH	37 27.4	77 52.1	IS	112.0	0	27907	15601	0.
5 SCP I	VAU0037	AMELIA	APPOMATTOX R	IS	716	712.0	85.1	15649	27907	559.3	0.	0.
VA4NAD0020	ALLENS CREEK	AMHERST	JAMES RIVER	H	37 32.1	78 52.7	IS	34.0	0	28329	28313	0.
5 DRC I	VAU0047	AMHERST	JAMES RIVER	IS	3649	4137.0	12.9	8563	28329	99.940	0.	0.
VAGNAD0025	BIG ISLAND	AMHERST	JAMES RIVER	HN	37 32.1	79 21.4	DP	14.0	480	4138	694.59	0.
5 DRC 1	VAC0902	AMHERST	JAMES RIVER	DP	3100	3376.0	11.0	5756	19749	15610	44.495	0.
5 DRC 1	VAC0901	AMHERST	JAMES RIVER	H	37 35.5	79 22.9	DP	1800	7500	14941	946.91	0.
2 DRC 1	VAG0024	AMHERST	JAMES RIVER	DP	3060	3333.0	27.0	14755	52292	63.372	0.	1000
5 DRC I	VAG0045	AMHERST	JAMES RIVER	IS	3425	3883.0	10.9	4390	19992	19992	2341.3	0.
5 DRC I	VAG00018	AMHERST	JAMES RIVER	IS	37 32.3	79 15.6	IS	97.0	0	3645	1510.3	0.
5 SCP I	VAG0059	AMHERST	PEDLAR RIVER	IS	101	114.0	71.8	801	3645	414.36	0.	0.
VAINAD0026	REUSSENS	AMHERST	JAMES RIVER	H	37 27.8	79 11.1	DP	39.0	12500	58958	912.18	0.
2 DRC 1	VAC0904	AMHERST	JAMES RIVER	DP	3264	3555.0	32.0	15635	13149	69.370	0.	1001
2 DRC 1	VAC0904	AMHERST	JAMES RIVER	DP	3264	3555.0	32.0	28135	66108	66108	0.	0.





FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG ANNUAL COST	INC. ENRG ANNUAL COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO. OWNER	DR. AREA	DR. AREA	STATUS	PK. STOR.	AVG. Q	PNR. MD.	TOT. ENRG	TOT. ENRG	ERC COMPOSITE
CODE	FILE	(D M. M)	(D M. M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(1000 \$)	(SEQUENCE RANK)
STATUS	(SQ. MI)	(FT)	(FT)	(CFS)	(KW)	(MWH)	(MWH)	(S/MWH)	(S/MWH)	(SEQUENCE RANK)
VA7NAD0098	SEVEN ISLANDS NO 3	37 42.8	78 21.4	IS	90.0	2727	9235	1501.6	162.59	0.
5 DRC	BUCKINGHAM	228	228	IS	89.9	2727	9235	162.59	0.	0.
VA6NAD0040	SLATE RIVER NO 1	37 42.8	78 21.6	CH	128.0	0	0	4474.1	0.	0.
VAU0036	BUCKINGHAM	237	237	IS	160000	3896	11337	401.70	0.	0.
5 SCP I	BUCKINGHAM	237	237	IS	111.2	3896	11337	401.70	0.	0.
VA6NAD0042	SLATE RIVER	37 35.5	78 31.9	HC	82.0	0	0	3768.1	0.	0.
VAU0054	BUCKINGHAM	158	158	IS	120000	1231	3829	984.7	0.	0.
5 SCP I	BUCKINGHAM	158	158	IS	60.6	1231	3829	984.7	0.	0.
VA6NAD0045	JOSHUA FALLS	37 25.0	79 3.5	H	54.0	0	0	4944.7	0.	2005
VAU0117	CAMPBELL	3420	3420	IS	9200	38073	92586	53.406	0.	2005
2 DRC I	CAMPBELL	3420	3420	IS	42.7	38073	92586	53.406	0.	2005
VA6SAW0094	MELROSE	37 0.0	79 3.2	HCR	87.0	0	0	3768.1	0.	0.
VA15720	CAMPBELL	2589	2589	SI	23000	18980	50159	75.47	0.	0.
2 DRC D	STUDIED BY DAEN-SAW	2589	2589	SI	36.9	18980	50159	75.47	0.	0.
VA6SAW0095	TABER	37 0.0	79 12.2	HCR	50.0	0	0	3768.1	0.	0.
VA15730	CAMPBELL	2249	2249	SI	53000	15403	42564	88.527	0.	0.
2 DRC I	STUDIED BY DAEN-SAW	2249	2249	SI	33.4	15403	42564	88.527	0.	0.
VA6NAD0047	DILLARDS MILL	37 56.2	77 33.6	HC	70.0	0	0	5735.9	0.	0.
VAU0126	CAROLINE	427	427	IS	235000	5189	9578	598.82	0.	0.
5 SCP I	CAROLINE	427	427	IS	56.2	5189	9578	598.82	0.	0.
VA6NAD0046	ROCK FALLS	37 53.8	77 29.6	H	74.0	0	0	1947.9	0.	0.
VAU0125	CAROLINE	436	436	IS	250000	3673	11131	174.99	0.	0.
5 DRC I	CAROLINE	436	436	IS	64.0	3673	11131	174.99	0.	0.
VA6DRH0063	UDP	36 54.0	80 41.9	HC	280.0	0	0	3167.2	0.	0.
VAU0148	CARROLL	260	260	IS	17075	17075	39234	80.725	0.	0.
5 DRC I	CARROLL	260	260	IS	244.7	17075	39234	80.725	0.	0.

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	INC. ENRGY	MANUL. COST	ERC ECONOMIC
FM 1 ID NO	OWNER	DR. AREA	DR. AREA	(D M.M)	(D M.M)	STATUS	MX. STOR.	AVE. Q	AVE. Q	(MWH)	(MWH)	(1000 \$)	ERC COMPOSITE
ACTV DEP	FILE	(SQ. MI)	(AC FT)	(AC FT)	(AC FT)	(CFS)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(S/MWH)	(SEQUENCE RANK)
CODE	STATUS												(SEQUENCE RANK)
VAGDRH0064	UPD	36	50.9	80	46.9	CH	230.0	0	0	12190	12190	2297.2	0.
5 DRC I	CARROLL	60		90.0	204.7	IS	3646	3646	12190	12190	188.44	0.	0.
VAGNAD0050	GEORGE F. BRASFIELD	37	13.0	SR	59.0		0	0	0	0	755.2	0.	0.
VAO4101	CHESTERFIELD APPOMATTOX RI	77	31.9	DP	79500		14529	14529	28697	28697	26.309	0.	1000
2 DRC 1	APPOMAT RI WATER AUTH	1336		1310.0	40.3		14529	14529	28697	28697	26.309	0.	1000
VAGNAD0053	MEADOW CREEK	37	29.0	H	10.0		300	300	2020	2020	163.77	0.	1001
VAU0123	CRATG	60	7.5	DP	669.3		1500	1500	3200	3200	51.180	0.	1001
2 DFC I	LR BOT	14		16.0	669.3		1800	1800	5220	5220	51.180	0.	1001
VAGNAD0057	HAZEL RIVER	38	33.9	HC	146.0		0	0	0	0	7114.6	0.	0.
VAU0090	CULPEPER	77	54.7	IS	310500		8948	8948	20261	20261	351.13	0.	0.
5 SCP I		311		359.0	111.7		8948	8948	20261	20261	351.13	0.	0.
VAGNAD0058	RAPIDAN RIVER	38	18.5	H	53.0		0	0	0	0	2082.9	0.	0.
VAU0099	CULPEPER	78	4.0	IS	22000		2702	2702	8589	8589	242.49	0.	0.
5 DRC I		445		487.0	33.7		2702	2702	8589	8589	242.49	0.	0.
VAGNAD0061	CA-TRA	37	29.0	HC	76.0		0	0	0	0	3571.7	0.	0.
VAU0066	CUMBERLAND	78	19.3	IS	102000		1148	1148	2477	2477	1441.8	0.	0.
5 SCP I		111		105.0	55.4		1148	1148	2477	2477	1441.8	0.	0.
VAGNAD0060	UPPER CARTERSVILLE	37	41.6	HC	96.0		0	0	0	0	8489.3	0.	0.
VAU0035	CUMBERLAND	78	6.7	IS	422500		3761	3761	8298	8298	1023.0	0.	0.
5 SCP D		263		248.0	88.9		3761	3761	8298	8298	1023.0	0.	0.
VAGDRH0065	FLANNAGAN	37	14.0	CORS	250.0		0	0	0	0	842.94	0.	1001
VAU0733	DICKENSON	82	20.6	DP	143700		15004	15004	25666	25666	32.842	0.	1001
2 SCP	DAEN DRH	221		273.0	180.8		15004	15004	25666	25666	32.842	0.	1001
VAGDRH0066	HAYSI RESERVOIR	37	15.9	C	165.0		0	0	0	0	2032.9	0.	2010
VAU1000	DICKENSON	82	26.9	PA	82400		3172	3172	5768	5768	352.40	0.	2010
2 DRC I	DAEN DRH	155		178.0	57.9		3172	3172	5768	5768	352.40	0.	2010



FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	STAB. AVE.	DR. AREA	AREA	PHR. HD.	STOR. HD.	EXIST. CAP.	INC. CAP.	TOT. CAP.	TOT. ENERGY	ENERGY COST	ANNUAL COST	ERC ECONOMIC	ERC NONECONOMIC
							(D M M)	(D M M)	(AC FT)	(AC FT)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)
							(80 MI)	(80 MI)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)
VA6NAD0063	VAU0089	5	SCP S	ELLS MILL	FAUQUIER	RAPPAHANNOCK	38 25.2	77 41.9	H	81	518.0	74.0	10300	0	11923	11923	26887	0	4286.2	159.41	0.	0.
VA6NAD0064	VAU0095	5	SCP I	FAUQUIER SPRINGS	FAUQUIER	RAPPAHANNOCK	38 36.7	77 51.7	HC	IS	234.0	142.0	21360	0	5867	5867	14119	0	559.5	393.73	0.	0.
VA6NAD0065	VAU0096	5	DRC D	KELLYS FORD	FAUQUIER	RAPPAHANNOCK	38 29.2	77 46.9	H	IS	670.0	40.0	250	0	4352	4352	11191	0	1507.0	134.65	0.	0.
VA6NAD0071	VAU0080	5	DRC I	BREMO BLUFF	FLUVANNA	JAMES RIVER	37 42.6	78 18.1	H	IS	5634.0	26.0	600	0	15330	15330	50867	0	3938.9	78.359	0.	0.
VA6NAD0070	VAU0079	5	DRC I	PALMYRA	FLUVANNA	RIVANNA RIVER	37 54.8	78 17.8	H	IS	686.0	67.0	8400	0	7807	7807	17646	0	3580.7	202.91	0.	0.
VA6NAD0067	VAU0040	5	SCP D	ROUNDABOUT CREEK	FLUVANNA	RIVANNA RIVER	37 47.7	78 11.5	CH	IS	822.0	128.0	43000	0	16595	16595	37859	0	8923.3	235.69	0.	0.
VA6NAD0097		5	DRC	SEVEN ISLANDS NO 2	FLUVANNA	HARDWARE RIVER	37 45.1	78 25.0	IS	IS	144.0	125.0	124.8	0	2707	2707	9368	0	1480.1	157.98	0.	0.
VA6NAD0099		2	DRC	SEVEN ISLANDS NO 1	FLUVANNA	JAMES RIVER	37 43.6	78 21.4	IS	IS	5815.0	35.0	34.9	0	35231	35231	107413	0	4503.8	41.929	0.	2600
VA4NAD0068	VAU0051	5	DRC I	SHORES	FLUVANNA	JAMES RIVER	37 43.8	78 22.4	HC	IS	5263.0	24.0	17.9	0	4742	4742	27851	0	2775.9	99.669	0.	0.

FM 2 ID NO	PROJECT NAME	ACTV DEP	FILE	STATUS	PRIMRY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	INC. ENERGY	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	OWNER	DR. AREA	(D.M.N)	(O.M.N)	(SQ.M)	(CFS)	(FT)	(AC FT)	(MWH)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)	(1000 \$)
CODE	DR. AREA	AVE. G	PHR.	HD.	TOT. CAP.	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)
FILE	(O.M.N)	(O.M.N)	(O.M.N)	(O.M.N)	(O.M.N)	(O.M.N)	(O.M.N)	(O.M.N)	(O.M.N)	(O.M.N)	(O.M.N)	(O.M.N)	(O.M.N)	(O.M.N)	(O.M.N)
STATUS	(SQ.M)	(CFS)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)	(MWH)
VA6DRH0067	PEARISBURG	WALKER LAKE	37 27.0	80 45.0	303	321.0	254.0	275000	43886	5563.2	126.76	0	0	0	0
5 DRC I	GILES								43886						
VA4DRH0068	UDP	WALKER CREEK	37 16.9	80 41.9	303	293.0	280.0	0	64144	4423.6	68.966	0	0	0	0
5 DRC I	GILES								64144						
VA4DRH0069	UDP	WOLF CREEK	37 15.0	80 20.1	190	251.0	320.0	0	39941	3118.7	78.81	0	0	0	0
5 DRC I	GILES								39941						
VA6NA00075	PEMBERTON	JAMES RIVER	37 40.2	78 6.0	620	7017.0	133.0	325000	429547	47701	111.5	0	0	0	0
5 SCP I	GOODCHLAND								429547						
VA6NA00076	ROCK HILL	RAPIDAN RIVER	38 16.7	78 20.4	113	144.0	130.0	105250	8261	4419.8	535.1	0	0	0	0
5 SCP I	GREENE								8261						
VA6NA00078	EMPORIA DAM	MEMERRIN RIVER	36 41.8	77 33.5	743	661.0	42.5	9500	14189	404.14	28.482	0	0	0	1000
2 DRC I	CITY OF EMPORIA								14189						
VA6NA00077	RADIUM	MEMERRIN RIVER	36 42.4	77 37.5	758	656.0	82.0	260000	17989	8960.9	498.13	0	0	0	0
5 SCP I	GREENSVILLE								17989						
VA6SAW00098	HALIFAX DAM	BANISTER RIVER	36 46.9	78 55.5	507	460.0	25.0	6000	5452	226.68	41.577	0	0	0	1000
2 DRC I	COUNTY OF HALIFAX,VA.								5452						
VA6NA00081	BLUNTS BRIDGE	SOUTH ANNA	37 48.1	77 30.4	406	373.0	45.0	6000	7499	1583.3	211.12	0	0	0	0
5 DRC D	HANOVER								7499						

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG/ANUL. COST	ERC ECONOMIC
PH 1 ID NO	NAME OF STREAM	CO.		DR. AREA	MX. STOR.	STATUS	MX. STOR.	INC. CAP.	INC. ENRG/ENERGY COST	ERC NON-ECONOMIC
ACTV CODE	FILE	STATUS		(D M.M)	(D M.M)	(90.MI)	(AC FT)	(KW)	(MWH)	(1000 \$)
CODE	FILE	STATUS		(D M.M)	(D M.M)	(90.MI)	(AC FT)	(KW)	(MWH)	(\$/MWH)
FILE	STATUS			(90.MI)	(AC FT)	(KW)	(AC FT)	(KW)	(MWH)	(1000 \$)
STATUS				(90.MI)	(AC FT)	(KW)	(AC FT)	(KW)	(MWH)	(\$/MWH)
VA6NAD0080	GONDALL	SOUTH ANNA		37 48.1	77 34.6	18	100.0	8141	15453	4815.6
VAU0124	HANNOVER			77 34.6	384	18	105000	8141	15453	311.62
5 SCP I				384			82.7			0.
VA6NAD0082	BOSHER PROJECT	JAMES RIVER		37 33.5	77 34.6	18	76.0	0	0	16755
VAU0031	HENRICO			77 34.6	6750	18	542000	54449	131232	127.67
5 DRC D				6750			36.2	54449	131232	0.
VA6NAD0083	RICHMOND	JAMES RIVER		37 31.9	77 26.2	18	20.0	0	0	1844.3
VAU0076	HENRICO			77 26.2	834	18	834.0	3691	30229	61.12
5 DRC I				834			71.9	3691	30229	0.
VA6SAD0104	MARTINSVILLE	SMITH RIVER		36 35.9	79 52.9	OP	35.0	1300	7563	0
VA1550	HENRY			79 52.9	374	OP	0	1300	7563	0
5 DRC D	CITY OF MARTINSVILLE, VA.			374			34.4	1300	7563	0
VA6SAD0101	PHILPOTT	SMITH RIVER		36 46.7	80 1.6	OP	220.0	14000	29510	0
VAU08901	HENRY			80 1.6	212	OP	321900	0	29510	0
5 SCP I	DAEN=SAW			212			176.8	14000	29510	0.
VA6SAD0105	RIDGEWAY	SMITH RIVER		36 33.9	79 43.9	MSR	110.0	0	0	3876.3
VAU0128	HENRY			79 43.9	529	FP	144000	24703	39917	97.114
2 DRC E	CITY OF MARTINSVILLE			529			106.9	24703	39917	1001
VA6NAD0152	GOOSE CR DAM	GOOSE CREEK		39 2.9	77 31.5	S	27.0	0	0	159.24
VA10703	LOUDOUN			77 31.5	358	OP	3000	893	3521	45.227
2 DFC I	CITY OF FAIRFAX			358			26.8	893	3521	0.
VA6NAD0087	HANKLEY-HIGH DAM	MENERRIN		36 51.5	78 21.8	MC	98.0	0	0	2403.8
VAU0104	LUNENBERG			78 21.8	324	IS	42000	3457	9839	244.29
5 SCP D				324			81.0	3457	9839	0.
VA6NAD0090	LYNCHBURG WATER WORKS DAM	JAMES RIVER		37 25.4	79 8.5	H	20.0	0	0	535.4
VA68001	LYNCHBURG			79 8.5	1600	OP	1600	4013	1777	30.96
2 DRC I	APPALACHIAN POWER CO			3320			10.9	4013	1777	1001



FM 2 ID NO	PROJECT NAME	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. ENERGY	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	STATUS	MX. STOR.	INC. CAP.	INC. ENERGY	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	AVE. @	PRR. NO.	TOT. CAP.	TOT. ENERGY	(1000 \$)	(SEQUENCE RANK)
CODE		(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE			(FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS				(KW)	(MWH)		(SEQUENCE RANK)
VA6NAD00131	HOWARDSVILLE	ROCKFISH RIVER	37 43.6	70.0	0	1616.7	
VAU0052	NELSON	IS	78 39.4	15000	6981	184.77	
1 DRC I			244	56.5	6981		
VA6NAD00993	NORWOOD DEVELOPMENT NO 2	JAMES RIVER	37 36.2	20.0	0	3134.0	
2 DRC	NELSON		78 45.1	0	15117	63.528	
			4124	19.9	49333		2005
VA6NAD00994	NORWOOD DEVELOPMENT NO 1	TYE RIVER	37 38.6	140.0	0	3427.5	
2 DRC	NELSON		78 49.3	0	22054	63.614	
			414	139.8	53879		2005
VA6NAD00132	ROCKFISH	ROCKFISH RIVER	37 48.3	130.0	0	3534.0	
VAU0068	NELSON	HC	78 45.7	112000	5082	266.15	
5 SCP I		IS	144	114.0	12350		0.
VAGNAD00134	SCHUYLER NO 1 2	ROCKFISH RIVER	37 47.1	32.0	0	184.73	
VAU0111	NELSON	H	78 41.9	0	1354	41.687	
2 DRC I	GA HARB	OP	196	29.9	4431		1002
VA6NAD00096	GERMANNA BRIDGE	RAPIDAN RIVER	38 22.6	85.0	0	4016.7	
VAU0088	ORANGE	H	77 47.2	87000	7467	164.83	
5 DRC D		SI	633	71.5	24369		0.
VA6NAD00098	MADYSON MILLS	RAPIDAN RIVER	38 16.5	73.0	0	2599.5	
VAU0101	ORANGE	H	78 8.5	53000	3034	351.8	
5 SCP I		IS	233	54.5	7404		0.
VA6NAD00097	WONDBERRY FOREST	RAPIDAN RIVER	38 16.9	78.0	0	2991.6	
VAU0100	ORANGE	H	78 7.3	68750	2366	372.64	
5 SCP D		IS	241	62.4	8028		0.
VAGNAB0156	LURAY		38 40.6	16.5	1600	222.81	
VA13905	PAGE	H	78 30.0	50	1138	71.992	
5 DFC I	S FK SHENANDO	OP	1377	15.9	7400		0.
	8 FK SHENANDO	OP	1377	15.9	3095		0.
	POTOMAC EDISON CO OF VA		1300.0		10495		0.

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. ENRG MANUL. COST	MERC ECONOMIC			
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRGY			
ACTY DEP	OWNER	DR. AREA	AVE. G	PMR. MD.	TOT. CAP.	TOT. ENRGY			
CODE		(D M. M)	(CFS)	(FT)	(KW)	(MWH)			
FILE		(D M. M)	(AC FT)	(MWH)	(1000 \$)	(\$/MWH)			
STATUS		(SQ. MI)	(FT)	(KW)	(SEQUENCE RANK)	(SEQUENCE RANK)			
VAGNAB0155	NEWPORT	38 34.1	H	24.0	1400	7800	272.2	0.	0.
VAI3904	PAGE	78 35.5	OP	50	2080	5100	53.330	0.	0.
5 DFC I	POTOMAC EDISON CO OF VA	1300		21.5	3480	12900			
VAGNAB0154	SHENANDOAH	38 28.8	H	15.0	862	4800	154.53	0.	0.
VAI3903	PAGE	78 37.5	OP	125	428	985	156.88	0.	0.
5 DFC I	POTOMAC EDISON CO OF VA	1250		12.6	1290	5785			
VAG9AW9991	CHARITY DAM	36 50.3	HC	275.0	0	0	0	0.	0.
9 DRA D	PATRICK	80 6.6		335385	0	0	0	0.	0.
	STUDIED BY DAEN-SAW	117		249.7	0	0	0	0.	0.
VAI3AH0109	TOWNES DAM	36 41.2	H	120.0	10125	17197	0	0.	0.
VAI4102	PATRICK	80 25.7	OP	1370	0	0	0	0.	0.
5 DRC I	CITY OF DANVILLE	33		700.0	10125	17197			
VAGSAW0110	LEESVILLE	37 5.5	HR	94.0	47500	0	0	0.	0.
VAI4301	PITTSYLVANIA	79 24.3	OP	115000	0	0	0	0.	0.
5 DRC D	APPALACHIAN POWER CO	1505		80.0	47500	0	0	0.	0.
				-1519.2					
VAI3AW0113	SCHOLDFIELD	39 25.8	H	30.0	4550	21895	639.25	0.	0.
VAI4308	PITTSYLVANIA	76 34.6	OP	5000	9396	9897	64.583	0.	0.
2 DRC D	DAN RIVER MILLS INC	1890		23.0	13946	31793			2004
VANAD0101	BENJAMOND	37 36.8	H	23.0	0	0	3573.9	0.	0.
VAU0043	POWHATAN	77 56.9	IS	0	12212	40322	88.196	0.	0.
5 DRC I		6387		10.9	12212	40322			
	JAMES RIVER			7182.0					
VANAD0100	BOSCOREL	37 36.1	H	29.0	0	0	3666.7	0.	0.
VAU0042	POWHATAN	77 44.6	IS	0	13925	43266	84.747	0.	0.
5 DRC I		6610		12.9	13925	43266			
	JAMES RIVER			7500.0					
VANAD0103	MAIDENS PROJECT	37 40.2	H	63.0	0	0	5771.7	0.	0.
VAU0074	POWHATAN	77 53.5	IS	0	62992	209023	27.612	0.	0.
2 DRC D		6040		59.9	62992	209023			2000
	JAMES RIVER			6792.0					

FM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	DR AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	MANUL. COST	ERC ECONOMIC
				OWNER	(D M M)	(D M M)	(D M M)	STATUS	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
					(S M MI)	(S M MI)	(S M MI)	AVE. Q	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
VAMAB0159		V15306	2	LAKE JACKSON DAM	38 42.2	77 26.8	343	OCCHOQUAN RIVER	25.0	798	3245	155.37	0.
				PRINCE WILLI				OCCHOQUAN RIVER	4500	798	3245	47.882	0.
				PRINCE WILLIAM CO					24.9				2000
VAGNAB0150		V15304	2	OCCHOQUAN MAIN DAM	38 41.6	77 16.5	594		70.0	1000	3000	510.15	0.
				PRINCE WILLI				OCCHOQUAN RIVER	178200	5246	10715	47.611	0.
				FAIRFAX WATER AUTHORITY					67.4	6246	13715		1000
VAGNAD0105		VAU0113	2	BELLE ISLE	37 31.9	77 27.2	6790	JAMES RIVER	50.0	0	0	4360.0	0.
				RICHMOND					4000	10389	32990	132.16	0.
									10.1	10389	32990		2000
VAGNAD0106		VAU0116	2	BOULEVARD	37 31.9	77 29.1	6782	JAMES RIVER	69.0	0	0	5717.2	0.
				RICHMOND					10400	41424	122913	46.514	0.
									36.4	41424	122913		2000
VANAD0108		VA76001	5	BYRD PARK 5/	37 32.3	77 29.5	845	KANAWHA CANAL	14.0	1125	6389	0	0.
				RICHMOND					80	0	0	0	0.
				CITY OF RICHMOND					11.9	1125	6389		0.
VAGNAD0109		VA76003	2	HOLLYWOOD 5/	37 31.9	77 27.5	6840	TR-JAMES RIVER	16.0	2124	16460	1471.7	0.
				RICHMOND					158	17327	45873	32. 82	0.
				CITY OF RICHMOND					18.0	19451	62333		1000
VANNAD0107		VAU0119	2	PARK 51	37 31.9	77 27.2	847	JAMES RIVER	10.0	0	0	263.49	0.
				RICHMOND					0	4176	24547	11.548	0.
				CITY OF RICHMOND					45.9	4176	24547		1000
VANNAD0110		VAU0110	2	12TH STREET	37 31.9	77 26.7	6840	JAMES RIVER	10.0	0	0	1663.2	0.
				RICHMOND CIT					0	22738	83425	19.957	0.
				VEPCO					0	22738	83425		1000
VAGSAD0116		VA16101	5	NIAGARA	37 12.0	79 52.5	512	ROANOKE RIVER	61.0	2400	10858	0	0.
				ROANOKE					2000	0	0	0	0.
				APP POWER					54.1	2400	10858		0.

FM 2 ID NO	PROJECT NAME	LONGITUDE	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	INC. ENRGY	ANNUAL COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	DR. AREA	MX. STUR.	MX. STUR.	MX. STUR.	MX. STUR.	MX. STUR.	MX. STUR.	MX. STUR.
ACTV CODE	OWNER	(D M. M)	(FT)	(KW)	(KW)	(MWH)	(MWH)	(1000 \$)	ERC COMPOSITE
CODE		(D M. M)	(AC FT)	(MW)	(MW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(SQ. MI)	(FT)	(MW)	(MW)	(MWH)	(MWH)		(SEQUENCE RANK)
STATUS		(CFS)	(FT)	(MW)	(MW)	(MWH)	(MWH)		(SEQUENCE RANK)
VASNAD0018	BALCONY FALLS	37 36.9	45.7	0	0	2933.9	0	0.	0.
5 DRC D	ROCKBRIDGE	79 26.4	6000	5777	26372	113.52	26372	0.	0.
VASNAD0011	KERR CREEK	37 49.1	84.0	0	0	1473.3	0	0.	0.
1 DRC D	ROCKBRIDGE	79 26.0	6000	6756	12411	116.70	12411	0.	0.
VASNAD0017	LEXINGTON PROJECT	37 49.9	67.0	0	0	1527.1	0	0.	0.
5 DRC D	ROCKBRIDGE	79 24.9	5000	6772	12327	123.87	12327	0.	0.
VASNAD0019	MAURY	37 56.6	13.0	0	0	5148.9	0	0.	0.
5 DRC I	ROCKBRIDGE	79 27.5	100	11694	20732	248.34	20732	0.	0.
VASNAD0015	MURAT	37 45.0	122.0	0	0	1477.5	0	0.	0.
5 DRC I	ROCKBRIDGE	79 32.7	12000	1047	3319	445.83	3319	0.	0.
VASNAD0014	ROCK BRIDGE BATHS	37 54.2	89.0	0	0	1259.0	0	0.	0.
5 DRC I	ROCKBRIDGE	79 23.6	13000	1402	2620	480.43	2620	0.	0.
VASNAD0016	VARNEY FALLS	37 35.3	42.0	0	0	3479.8	0	0.	2000
2 DRC I	ROCKBRIDGE	79 34.4	4000	18723	42160	82.338	42160	0.	0.
VASNAD0013	WHITE SAL	38 0.0	67.0	0	0	1519.6	0	0.	0.
1 DRC I	ROCKBRIDGE	79 29.2	18000	1602	2925	519.39	2925	0.	0.
VASNAB0165	BROCKS GAP	38 38.0	142.0	0	0	4367.0	0	0.	0.
5 DRC I	ROCKINGHAM	78 54.9	187000	4010	9847	443.48	9847	0.	0.



FM 2 ID NO	PROJECT NAME	PRIMARY CO. OWNER	LATITUDE	LONGITUDE	DR. AREA (D.M.N)	DR. AREA (S.M.N)	PROJ. PURP.	STATUS	AVE. G	PRR. HD. (FT)	MX. STOR. (AC FT)	EXIST. CAP. (KW)	INC. CAP. (KW)	TOT. CAP. (KW)	EXIST. ENRG. ANUL. COST	INC. ENRG. COST	TOT. ENRG. COST	EXIST. ENERGY (1000 \$)	INC. ENERGY (1000 \$)	TOT. ENERGY (1000 \$)	ERC ECONOMIC RANK	ERC NONECONOMIC RANK	ERC COMPOSITE RANK
VA6DRN0180	NASH FORD	RUSSELL	36 57.6	82 6.6	486	18	H	647.0	200.0	133000	176.8	65400	70654	70654	4171.0	59.35	0	0	0	4171.0	0	0	0
VA6DRN0185	COPPER CREEK	SCOTT	36 39.6	82 42.2	130	IS	170.0	0	95.0	20100	85.9	2464	10044	10044	1431.0	142.47	0	0	0	1431.0	0	0	0
VA6DRN0184	OPPOSIUM CREEK	SCOTT	36 35.7	82 35.9	678	IS	870.0	0	85.0	55000	71.9	16534	35828	35828	2365.4	66.23	0	0	0	2365.4	0	0	0
VA6DRN0183	ROBERTS CREEK	SCOTT	36 38.8	82 26.0	547	IS	710.0	0	80.0	52000	68.9	8616	25217	25217	1794.9	71.177	0	0	0	1794.9	0	0	0
VACNAD0123	NORTH ANNA DAM	SPOTSYLVANIA	38 0.9	77 42.5	343	SCR	300.0	0	73.0	373000	54.9	4139	7379	7379	265.48	35.977	0	0	0	265.48	0	0	0
VANNAD0128	EMREY	STAFFORD	38 19.3	77 29.3	1604	S	1650.0	0	22.0	400	45.9	12913	37923	37923	908.12	23.946	0	0	0	908.12	0	0	0
VA6NAD00125	FREDERICKSBURG DAM	STAFFORD	38 19.3	77 29.3	1604	H	1650.0	0	80.0	3600	44.5	19334	38619	38619	2669.8	69.132	0	0	0	2669.8	0	0	0
VA6NAD00126	SALEM CHURCH	STAFFORD	38 18.7	77 31.5	1598	HSRC	1643.0	0	140.0	1048000	137.3	72682	126196	126196	9996.4	79.213	0	0	0	9996.4	0	0	0
VA4DRN0187	BROADFORD	SYNTH	36 55.8	81 40.6	61	H	80.0	0	265.0	239.7	0	3225	11480	11480	1970.6	171.64	0	0	0	1970.6	0	0	0

PM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ PURP.	DAM HT	EXIST CAP.	EXIST ENRG	ANNUAL COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CD.	NAME OF STREAM	DR AREA	STATUS	MX. STR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC COMPOSITE
ACTV DEP	OWNER	(D M.M)	(D M.M)	AVE. Q	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
CODE CODE		(SQ.MI)	(AC FT)	(CFS)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE									
STATUS									
VA6DRNO186	RIVERSIDE	36 56.0	125.0	H	125.0	1863	7928	1473.6	
VAU0023	SYNTH	81 38.6	0	IS	0	1863	7928	165.86	
5 DRC I	TVA	129	170.0						
VAGNAB0162	WARREN	38 57.2	12.5	H	12.5	750	4200	162.32	
VA18708	WARREN	78 8.9	200	DP	200	491	1226	146.71	
5 DRC I	POTOMAC EDISON OF VA	1600	9.7			1241	5828		
VA6DRNO193	ALVARADO	36 39.0	100.0	H	100.0	0	0	2198.9	
VAU0030	WASHINGTON	81 55.1	31500	IS	31500	8953	26934	81.642	
5 DRC I	TVA	560	70.9			8953	26934		
VA6DRNO192	BUFFALO FORD	36 44.9	160.0	H	160.0	0	0	2616.2	
VAU0028	WASHINGTON	82 11.0	376000	IS	376000	24757	48948	57.535	
5 DRC I	TVA	436	146.8			24757	48948		
VA0DRNO203	EDMONDSON DAM	36 43.3	37.0	H	37.0	0	0	57.91	2010
VA19103	WASHINGTON	81 48.6	697	OP	697	104	866	65.894	
2 DRC I	APECO	210	29.9			104	866		
VA6DRNO191	OAK HILL	36 39.8	145.0	H	145.0	0	0	1347.8	
VAU0025	WASHINGTON	81 48.2	60000	IS	60000	2187	9209	146.35	
5 DRC I	TVA	134	122.8			2187	9209		
VA6DRNO190	RUSSELL BRANCH	36 41.8	135.0	H	135.0	0	0	1556.7	
VAU0021	WASHINGTON	81 51.3	90000	IS	90000	3359	14629	106.40	
5 DRC I	TVA	224	114.8			3359	14629		
VA7DRNO189	STRAIGHT CREEK	36 38.2	205.0	H	205.0	0	0	1799.9	
VAU0020	WASHINGTON	81 44.8	180000	IS	180000	2671	12480	144.22	
5 DRC I	TVA	51	349.6			2671	12480		
VA4DRHO072	UDP	36 55.0	100.0	CH	100.0	0	0	1081.5	0.
VAU0146	WYTHE	81 7.0	1366	IS	1366	4709	4709	229.63	
5 DRC I		120	69.9			1366	4709		0.

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** FM 2 ID NO **
** ACTV DEP **
** CODE CODE **
** FILE **
** STATUS **
** VAGRH0073 ** UOP
** VAU0147 ** WYTHE
** S DRC I **
*****
** PROJECT NAME **
** PRIMARY CO. -NAME OF STREAM **
** OWNER **
*****
** LATITUDE **
** DR. AREA **
** (D M.M) **
** (D M.M) **
** (90.MI) **
*****
** PROJ. PURP. **
** STOR. **
** AVE. Q **
** (CFS) **
*****
** DAM HT **
** MX. STOR. **
** PWR. HD. **
** (FT) **
** (AC FT) **
** (FT) **
*****
** EXIST. CAP. **
** INC. CAP. **
** TOT. CAP. **
** (MW) **
** (MW) **
** (MW) **
*****
** EXIST. ENRG. MANUL. COST **
** INC. ENRG. COST **
** TOT. ENRG. COST **
** (1000 $) **
** (S/MWH) **
*****
** ENERGY **
** (MWH) **
** (MWH) **
** (MWH) **
*****
** (SEQUENCE RANK) **
** (SEQUENCE RANK) **
** (SEQUENCE RANK) **
*****
** REED CREEK **
** 36 56.0 ** CH
** 80 50.9 ** IS
** 258 **
*****
** 0 **
** 3694 **
** 3694 **
*****
** 0 **
** 12398 **
** 12398 **
*****
** 0 **
** 1374.4 **
** 110.85 **
*****
** 0. **
** 0. **
*****

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... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF WASHINGTON

POTENTIAL INCREMENTAL CAPACITY RANGES															
	.05 MW - 5 MW			5 MW - 10 MW			10 MW - 15 MW			.05 MW - 15 MW					
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
NUMBER	CAPCTY	ENERGY	INCR	CAPCTY	ENERGY	INCR	CAPCTY	ENERGY	INCR	CAPCTY	ENERGY	INCR	CAPCTY	ENERGY	INCR
0-19	0*	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
20-49	3*	3*	0*	2*	0*	0*	0*	0*	0*	0*	0*	0*	3*	5*	0*
50-99	1*	2*	0*	1*	5*	1*	6*	6*	6*	1*	0*	0*	4*	8*	1*
>100	5*	5*	0*	6*	6*	12*	12*	12*	14*	2*	12*	14*	12*	13*	18*
TOTAL	9*	11*	0*	13*	7*	20*	20*	20*	33*	3*	12*	15*	19*	27*	19*
	14.5*	30.0*	0.	32.2*	81.9*	138.2*	138.2*	138.2*	174.3*	33.5*	140.8*	174.3*	116.6*	145.3*	197.1*
	91.	125.	0.	125.	337.	707.	707.	707.	922.	124.	598.	722.	792.	618.	936.

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PHYSICAL POTENTIAL FOR ADDITIONAL HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF WASHINGTON

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW - 15 MW			15 MW - 25 MW			GREATER THAN 25 MW			TOTAL		
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
	INCR	POTEN	INCR	INCR	POTEN	INCR	INCR	POTEN	INCR	INCR	POTEN	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP
0-19	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
20-49	3*	22.1*	25.1*	5*	20.0*	25.0*	1*	2*	3*	0*	0*	0*
50-99	4*	7.1*	11.2*	9*	0.0*	9.0*	1*	1*	2*	1*	1*	2*
>100	12*	18*	30*	31*	0*	31*	23*	27*	43*	60*	39*	33*
TOTAL	19*	46*	65*	46*	0*	46*	25*	36*	44*	66*	55*	53*
	117*	197*	314*	117*	0*	117*	486*	1880*	671*	3795*	10466*	18996*
	792*	618*	1410*	792*	0*	792*	2192*	133193*	2450*	14388*	16938*	133986*

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
 COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
 COLUMN 3 = UNDEVELOPED POTENTIAL  
 COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
 CAPCTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)



FM 2 ID NO	ACTV CODE	FILE STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	DR. AREA (D.M.M)	LONGITUDE (D.M.M)	LATITUDE (D.M.M)	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
						(SQ.MI)	(S.D.MI)	(S.D.MI)	STATUS	AVE. Q	PNR. HD. (FT)	TOT. CAP. (KW)	TOT. ENRG (MWH)	(1000 \$) (\$/MWH)	ERC NON-ECONOMIC
WASNPS2671	5	DFC S	CHIMAUJUKUM	CHELAN	WENATCHEE R	47 42.4	120 41.2	47 42.4	H	30.0	0	14950	60887	3722.0	
WASNPS0178	2	DFC I	CHIMAWA	CHELAN	CHIMAWA RIVER	47 53.2	120 41.5	47 53.2	HC	185.0	0	55245	303048	7759.4	
WASNPS2668	2	DFC D	DRYDEN	CHELAN	WENATCHEE R	47 33.6	120 34.5	47 33.6	H	6.0	0	5000	30000	334.33	
WACNPS3108	5	DRC I	EIGHT MILE LAKE	CHELAN	EIGHT MILE CR	47 31.1	120 51.4	47 31.1	IR	19.0	0	0	0	37.112	
WASNPS0183	5	DFC I	HIGH BRIDGE	CHELAN	AGNES CREEK	48 23.2	120 50.3	48 23.2	H	690.0	0	53408	285640	62.335	
WASNPS0184	5	DFC I	LAKE CHELAN	CHELAN	CHELAN RIVER	47 50.1	120 0.7	47 50.1	HR	36.0	0	48000	361000	5615.2	
WASNPS0170	2	DFC S	LEAVENWORTH	CHELAN	WENATCHEE R	47 39.4	120 43.7	47 39.4	H	70.0	0	166611	683198	7600.1	
WASNPS0182	2	DFC I	LUCERNE RAILROAD CREEK	CHELAN	RAILROAD CR	48 10.1	120 34.4	48 10.1	H	60.0	0	30441	119191	2771.2	
WASNPS0181	5	DRC I	MCKENZIE CANYON	CHELAN	ENVIAT RIVER	47 46.5	120 25.8	47 46.5	H	290.0	0	51156	74051	7759.1	





FM 2 ID NO	PM 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CD.	NAME OF STREAM	LATITUDE	LONGITUDE	DR AREA	OR AREA	D M M	D M M	SR MI	TUNWATER	CHELAN	WENATCHEE R.	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENERGY	INC. ENERGY	TOT. ENERGY	ANNUAL COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
WAANPS3210								47 37.0	120 43.2									H	25.0	0	5000	0	0	0	592.70							
2	DFC I							120 43.2										SP	60.0	5000	5000	30000	30000	0	18.423							
WADNPS3109								47 55.3										IR	16.0	0	0	0	0	0	36.852							
WAO0321								120 10.4										DP	9464	0	0	0	3	3	12224							
5	DRC I							6										-2.0	12.9	0	0	0	0	0								
WASNPS0174								47 34.1										H	30.0	0	0	0	0	0	3732.2							
WAO0586								120 47.1										IS	0	59108	59108	242491	242491	0	15.391							
2	DFC S							149										-836.7	618.0	59108	59108	242491	242491	0								
WAINPS0208								48 5.6										HR	100.0	12000	6340	60000	60000	0	633.45							
WAO0242								123 33.3										DP	8100	6340	12322	12322	72322	0	51.408							
5	DFC I							308										-1742.7	104.0	18340	18340	72322	72322	0								
WASNPS0205								48 2.6										H	25.0	0	0	0	0	0	4075.2							
WAO0318								123 57.4										IS	0	46333	46333	174490	174490	0	23.355							
6	DFC I							84										-633.2	514.0	46333	46333	174490	174490	0								
WATNPS0197								47 58.6										H	400.0	0	0	0	0	0	5770.3							
WAO0238								123 6.5										IS	0	32512	32512	146922	146922	0	39.274							
2	DFC S							148										-363.1	633.0	32512	32512	146922	146922	0								
WATNPS2639								47 57.5										H	330.0	0	0	0	0	0	5648.7							
WAO0246								123 34.4										IS	0	54918	54918	235852	235852	0	23.950							
6	DFC I							198										-1120.3	362.0	54918	54918	235852	235852	0								
WAINPS0207								48 0.1										HR	200.0	12000	15634	80000	80000	0	1007.3							
WAO0144								123 35.9										DP	39100	15634	46658	46658	0	21.589								
2	DFC I							245										-1386.2	197.0	27634	27634	126658	126658	0								
WASNPS2637								47 56.8										H	30.0	0	0	0	0	0	1799.0							
WAO0239								123 5.9										IS	8195	8195	33972	33972	0	52.956								
5	DFC E							72										-176.6	328.0	8195	8195	33972	33972	0								

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	WATER ENERGY COST	ANNUAL ENERGY COST	ERC ECONOMIC
FM 1 ID NO	OWNER	ACTV DEP	STATUS	DR AREA	DR AREA	AVE. G	PWR. HD.	TOT. CAP.	WATER ENERGY COST	ANNUAL ENERGY COST	ERC ECONOMIC	ERC COMPOSITE
CODE	FILE	STATUS	DR AREA	DR AREA	AVE. G	PWR. HD.	TOT. CAP.	WATER ENERGY COST	ANNUAL ENERGY COST	ERC ECONOMIC	ERC COMPOSITE	ERC COMPOSITE
FILE	STATUS	DR AREA	DR AREA	AVE. G	PWR. HD.	TOT. CAP.	WATER ENERGY COST	ANNUAL ENERGY COST	ERC ECONOMIC	ERC COMPOSITE	ERC COMPOSITE	ERC COMPOSITE
STATUS	DR AREA	DR AREA	AVE. G	PWR. HD.	TOT. CAP.	WATER ENERGY COST	ANNUAL ENERGY COST	ERC ECONOMIC	ERC COMPOSITE	ERC COMPOSITE	ERC COMPOSITE	ERC COMPOSITE
STATUS	DR AREA	DR AREA	AVE. G	PWR. HD.	TOT. CAP.	WATER ENERGY COST	ANNUAL ENERGY COST	ERC ECONOMIC	ERC COMPOSITE	ERC COMPOSITE	ERC COMPOSITE	ERC COMPOSITE
WASNPS0201	GRAND CANYON	CLALLAM	ELWHA	47 56.0	123 31.8	18	430.0	53703	253039	5779.3	22.639	
6	DFC D			163			430.0	53703	253039			
WASNPS2638	GREY WOLF	CLALLAM	DUNGENESS RIV	47 56.9	123 8.9	18	30.0	0	0	1554.9	27.775	
9	ICT E			76			512.0	13503	55982			
WASNPS0204	LAKE CRESCENT	CLALLAM	LYRE RIVER	48 5.6	123 48.2	18	20.0	0	0	5310.0	77.365	
5	DRC I			50			295.7	49112	68636			
WASNPS2641	LITTLE LOST	CLALLAM	ELWHA RIVER	47 53.2	123 28.7	18	20.0	0	0	2450.8	47.763	
6	DFC E			123			290.0	12378	51312			
WASNPS0203	LOWER LYRE	CLALLAM	LYRE RIVER	48 7.9	123 49.5	18	140.0	0	0	1161.5	113.37	
5	DRC E			51			289.7	1183	10245			
WASNPS3218	LYRE RIVER HYDRO	CLALLAM	LYRE R.	48 6.8	123 49.3	SP	25.0	0	0	1571.1	54.178	
5	DFC I			57			239.7	6200	29000			
WASNPS0200	MCDONALD	CLALLAM	ELWHA RIVER	48 0.2	123 35.8	18	15.0	0	0	3790.8	22.187	
6	DFC I			245			212.0	39796	170855			
WATNPS0202	PRESS VALLEY	CLALLAM	ELWHA RIVER	47 50.1	123 28.1	18	200.0	0	0	4384.3	40.526	
6	DFC I			106			310.0	25177	108184			
WASNPS0199	TAILWATER	CLALLAM	ELWHA RIVER	48 6.2	123 33.1	18	50.0	0	0	3549.4	225.2	
5	DRC I			315			83.9	1816	15773			

FM 2. ID NO	PROJECT NAME	PRIMRY CO. NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PUMP.	DAM HT	EXIST. CAP.	EXIST. ENRG.	ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	DR. AREA	MX. STOR.	AVE. Q	PR. HD.	INC. CAP.	INC. ENRG.	ENERGY COST	ERC NONECONOMIC
CODE			(D.M.)	(AC FT)	(CFS)	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE			(SQ. MI)	(FT)			(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS										(SEQUENCE RANK)
WASNPS0198	UPPER DUNGENESS	DUNGENESS R	47 53.6	123 6.7	M	30.0	0	0	1694.4	
2	WAU0240	CLALLAM	123 38	860.0	IS	0	11341	47010	36.43	
							11341	47010		
WASNPS2640	WINDFALL CREEK	ELWA RIVER	47 55.5	123 30.6	M	20.0	0	0	2716.5	
6	WAU0246	CLALLAM	123 161	290.0	IS	0	35774	153585	17.687	
							35774	153585		
WASNPS0195	12 PM NO24 (FINN HALL)	DUNGENESS RIV	48 5.5	123 8.8	M	20.0	0	0	1348.7	
5	WAU0236	CLALLAM	123 180	159.8	IS	0	1227	10715	125.86	
							1227	10715		
WASNPS0194	12 PM NO. 18 (OUILCENE)	BIG OUILCENE	47 48.6	122 54.1	M	110.0	0	0	1401.4	
5	WAU0233	CLALLAM	122 67	99.9	IS	0	408	3564	393.11	
							408	3564		
WASNPS0196	12PM NO23 (CARLSBOG)	DUNGENESS R	48 1.7	123 8.2	M	20.0	0	0	2673.8	
2	WAU0237	CLALLAM	123 156	319.0	IS	0	17269	71586	37.351	
							17269	71586		
WAINPP0648	ARIEL DAM (LAKE MERWIN)	LEWIS RIVER	45 57.4	122 35.2	HR	313.0	136000	539481	2314.4	
2	WAU0149	PACIFIC POWER + LIGHT CO	122 731	164.3	OP	422900	45000	60519	38.243	
							181000	600000		
WASNPP0641	CHARTER DAK	EAST FORK LEW	45 48.5	122 31.9	M	10.0	0	0	2954.5	
2	WAU0745	CLARK	122 122	240.0	IS	1	26800	117400	25.166	
							26800	117400		
WASNPP0639	COUGAR CREEK	WASHOUGAL RIV	45 36.0	122 18.9	M	340.0	0	0	6339.3	
6	WAU0628	CLARK	122 114	334.6	IS	365000	48900	214100	29.609	
							48900	214100		
WASNPP0642	EDDY ROCK	EAST FORK LEW	45 51.9	122 41.9	M	155.0	0	0	5943.9	
5	WAU0751	CLARK	122 211	149.8	IS	354000	22113	90182	65.911	
							22113	90182		

FM 2 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	OWNER	PRIMARY CO.	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
WA6NPP0643	S	DRC I			HORSE SHOE FALLS	CLARK		45 48.9	122 18.0	H	495.0	19548	0	11897	
WAU0756					EAST FORK LEW			47		IS	214500	65662	65662	172.4	
WA7NPP0640	S	DRC D			LUCYA FALLS	CLARK		45 49.9	122 26.9	H	185.0	0	0	3469.6	
WAU0701					EAST FORK LEW			98		IS	50800	71929	71929	48.236	
WA7NPP0644	S	DFC I			TUM TUM MOUNTAIN	CLARK		45 55.4	122 20.8	H	315.0	0	0	5167.2	
WAU0781					CANYON CREEK			62		IS	82700	158400	158400	32.621	
WA5NPP0755	S	DFC D			WASHOUGAL	CLARK		45 34.9	122 20.0	H	10.0	0	0	2573.0	
WAU0704					WASHOUGAL RIV			114		IS	12430	54326	54326	47.363	
WA1NPP0647	S	DFC I			YALE DAM	CLARK		45 57.8	122 19.8	HR	323.0	108000	528600	3380.3	
WA00148					LEWIS RIVER			596		DP	401000	200000	200000	16.901	
WA6NPP0480	S	DRC I			DAYTON DAM	DAEN NPH		46 15.5	117 24.0	ICSR	200.0	0	0	4138.7	
WAU0053					TOUCHET RIVER			102		SA	52600	131	695	5951.1	
WA6NPP0482	S	DFC I			LITTLE GOOSE LOCK AND DAM	DAEN NPH		46 35.3	118 20.0	H	110.0	932000	2794000	0	
WA00331					SNAKE RIVER			103900		DP	556000	0	0	0	
WA6NPP0483	S	DFC I			LOWER GRANITE LOCK AND DAM	DAEN NPH		46 39.2	117 24.4	H	110.0	932000	2829000	0	
WA00349					SNAKE RIVER			103500		DP	483800	0	0	0	
WA7NPP0476	S	DRC D			TUCANNO	DAEN NPH		46 30.9	118 1.9	H	80.0	0	0	1165.1	
WAU0042					TUCANNO			194		IS	194	805	805	1486.4	









PM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.CAP.	INC.CAP.	EXIST.ENERGY	ANUL.COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO.	STATUS	MY.STOR.	AVE. Q	PHR. HD.	TOT. CAP.	TOT. ENERGY	ERC NONECONOMIC
CODE	DR.AREA	(D M.M)	(AC FT)	(KW)	(MWH)	(1000 \$)	(S/MWH)	ERC COMPOSITE
FILE	(D M.M)	(AC FT)	(KW)	(MWH)	(1000 \$)	(S/MWH)	(SEQUENCE RANK)	ERC COMPOSITE
STATUS	(SQ.MI)	(FT)	(KW)	(MWH)	(1000 \$)	(S/MWH)	(SEQUENCE RANK)	ERC COMPOSITE
WAGNPP0656	TOWERFLOW	HCRI	205.0	0	0	8105.3		
WAO0702	COWLITZ	IS	656000	46500	203700	39.790		
6 DFC E			199.8	46500	203700			
WAGNPP0675	UPPER GREEN	H	285.0	0	0	10156		
WAO0783	COWLITZ	IS	305400	5000	22000	461.66		
5 DFC D			249.7	5000	22000			
WAINPS0212	CHIEF JOSEPH DAM	HR	205.0	2069000	9658094	9949.1		
WAO0299	DOUGLAS	OP	611000	334860	341316	29.149		
5 DRC I	DAEN NPS		145.2	2403880	9999411			
WACNPS0209	LOWER RIMROCK DAM	R	67.0	0	0	1012.3		
WAO0036	DOUGLAS	DP	550	9100	41100	24.630		
2 DFC I	GLEN CORNING		67.0	9100	41100			
WAINPS0210	WELLS DAM	HR	110.0	774250	3152218	0		
WAO0098	DOUGLAS	OP	361200	0	0	0		
5 DRC I	DOUGLAS CD PUD NO 1		53.1	774250	3152218			
WAGNPS0215	CURLEW	H	83.0	0	0	3013.4		
WAO0156	FERRY	IS	157000	5666	25723	117.14		
5 DRC I			72.9	5666	25723			
WAGNPS0213	LIME CR	HC	175.0	0	0	4486.7		
WAO0154	FERRY	IS	0	3451	16352	274.37		
5 DRC I			164.8	3451	16352			
WAGNPS0214	ORIENT BARSTON	H	105.0	0	0	3985.4		
WAO0155	FERRY	IS	0	9068	50522	78.884		
5 DRC I			94.9	9068	50522			
WAGNPS3104	TWIN LAKES DAM	IR8	8.0	0	0	40.454		
WAO0277	FERRY	OP	18950	1	13	3004.2		
5 DRC I	DOI.BIA		6.7	1	13			

FM 2 ID NO	PROJECT NAME	LAITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. OWNER	DR AREA	DR AREA	STATUS	MX.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
ACTY DEP	DR AREA	(D.M.M)	(D.M.M)	AVE. Q	PHR. HD.	TOT. CAP.	TOT.ENERG	(S/MWH)	ERC COMPOSITE
CODE	(S.D.MI)	(AC FT)	(AC FT)	(CFS)	(FT)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)
FILE	(S.D.MI)	(FT)	(FT)	(CFS)	(FT)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)
STATUS	(S.D.MI)	(FT)	(FT)	(CFS)	(FT)	(KW)	(MWH)	(S/MWH)	(SEQUENCE RANK)
WAENPS0216	POTHOLES EAST CANAL	22.7 PH	46 35.9	I	0	0	0	269.99	
2 DFC I	FRANKLIN POTHOLES CAN.		120 35.9	I9	0	2600	13200	20.454	
	S. COLUMBIA IRR. DIST.				0	2600	13200		
WAENPS0217	POTHOLES EAST CANAL	22.7 PH	46 26.8	I	0	0	0	347.61	
2 DFC I	FRANKLIN POTHOLES CAN.		120 48.4	I9	0	5200	22700	15.313	
	SOUTH COLUMBIA BASIN IRR. DI				0	5200	22700		
WAUNPS3111	HENNETT DAM		47 26.8	IP	20.0	0	0	567.31	
5 DRC I	GRANT WILSON CR		119 4.9	OP	2000	0	2	232674	
	JOHN AND PAT MCCONALD		410		14.9	0	2		
WAINPS0223	GRAND COULEE DAM		47 57.3	IHCNRD	380.0	6170000	22625491	50221	
5 DRC I	GRANT COLUMBIA RIVE		118 58.8	OP	952000	3459801	1235700	40.973	
	DOI USRR		74100		341.0	9829801	23851192		
WAENPS0228	POTHOLES E. CANAL HEADWORKS		46 58.9	I	160.0	0	0	410.94	
2 DFC I	GRANT POTHOLES CAN.		119 15.6	IS	511700	5000	20000	20.547	
	SOUTH COLUMBIA BASIN IRR. DI				33.0	5000	20000		
WAINPS0220	PRIEST RAPIDS RESERVOIR		46 38.6	HNR	97.0	788500	10	20048	
5 DFA I	GRANT COLUMBIA RIVE		119 54.5	OP	250200	364000	0	0	
	GRANT CO PUD NO 1		95500		57.7	1157012	4127987		
WAENPS3211	SUMMER FALLS		47 30.1	IH	0.1	0	0	2651.5	
2 DFC I	GRANT MAIN CHANNEL		119 17.5	SP	0	75000	260000	10.198	
	S. COLUMBIA BASIN IRR. DIST.				160.0	75000	260000		
WAINPS0219	WANAPUM RESERVOIR		46 52.3	HR	130.0	831250	5580000	20811	
5 DFC I	GRANT COLUMBIA RIVE		119 58.2	OP	748500	394000	0	0	
	GRANT CO PUD NO 1		90700		65.3	1225250	5580000		
WAANPS0233	LOWER CANYON		47 6.2	H	150.0	0	0	4853.2	
5 DRC I	GRAYS HARBOR WYANDOCHEE		123 40.4	IS	0	20387	93643	51.826	
			125		129.8	20387	93643		

FM 2 ID NO	PH 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	INC.CAP.	TOT.CAP.	EXIST.ENERGY	INC.ENERGY	TOT.ENERGY	ANNUAL ENERGY COST	ERC ECONOMIC
			(D.M.N)	(S.M.N)				(D.M.N)	(S.M.N)		(FT)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)
			(80.MI)	(80.MI)				(AC FT)	(AC FT)										
WA6NPS0235	WAU0335	2	DFC 9		GRAYS HARBOR	WYNOOCHEE R	H	47 19.3	123 36.4	IS	220.0	24382	0	24382	85617	85617	0	3888.5	45.418
WA4NPS0232	WAU0328	6	DFC I		QUINAULT LK	QUINAULT RIVE	H	47 27.3	123 53.7	IS	150.0	56897	0	56897	255896	255896	0	10398	40.635
WA4NPS0234	WAU0332	5	DRC I		SAVE CREEK	WYNOOCHEE RIV	H	47 16.3	123 39.0	IS	120.0	22725	0	22725	60941	60941	0	4547.8	74.627
WA6NPS0236	WAU0302	2	DFC I		WYNOOCHEE DAM	WYNOOCHEE R	SC10	47 23.1	123 36.1	DP	177.0	10000	0	10000	40000	40000	0	929.24	23.231
WA5NPS0251	WAU0323	5	DRC I		BENDS	S F HOH	H	47 47.7	123 57.8	IS	200.0	40885	0	40885	68200	68200	0	3983.4	58.407
WA5NPS0242	WAU0250	5	DRC I		DELABARRE CREEK	ELWA RIVER	H	47 44.1	123 31.0	IS	20.0	0	0	233	2031	2031	0	682.7	335.78
WA7NPS0243	WAU0268	5	DRC I		DUCKABUSH	DUCKABUSH	H	47 40.9	123 1.1	IS	248.0	19832	0	19832	97136	97136	0	7460.2	76.801
WA5NPS0250	WAU0322	6	DFC I		GLIDE CREEK	HOH RIVER	H	47 52.4	123 39.8	IS	25.0	22423	0	22423	92000	92000	0	3161.7	34.367
WA5NPS0241	WAU0249	5	DRC I		GODKIN CR. (GOODMAN)	ELWA RIVER	H	47 46.7	123 27.1	IS	15.0	0	0	330	2881	2881	0	975.74	338.65

FM 2 ID NO	PROJECT NAME	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	STATUS	HA. STOR.	INC. CAP.	INC. ENRG ENERGY COST	ERC NONECONOMIC
ACTV CODE	DR. AREA	AVE. G	PRR. HD.	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
FILE	(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)
STATUS	(80.MI)	(FT)	(KW)	(MWH)	(MWH)	(\$/MWH)
W6NPS0248	H0H RIVER	H	220.0	0	0	9037.7
W6NPS0249	H0H RIVER	IS	0	74572	353140	25.592
6 DFC S			220.0		353140	
W6NPS0247	LOG JAM	H	20.0	0	0	8682.4
W6NPS0248	JEFFERSON	IS	0	22915	94016	92.349
5 DFC S			66.0	22915	94016	
W6NPS0253	LOWER QUEETS	H	100.0	0	0	7110.6
W6NPS0254	JEFFERSON	IS	0	22822	137262	51.803
5 DRC I			89.9	22822	137262	
W6NPS0254	LYMAN	H	160.0	0	0	12187
W6NPS0255	JEFFERSON	IS	0	97676	439360	27.738
6 DFC I			270.0	97676	439360	
W6NPS0255	PREACHER RAPIDS	H	85.0	0	0	4170.6
W6NPS0256	JEFFERSON	IS	0	9133	46287	90.101
5 DRC I			89.9	9133	46287	
W6NPS0256	QUINAULT	H	25.0	0	0	3636.4
W6NPS0257	JEFFERSON	IS	0	31866	125934	28.875
6 DFC I			300.0	31866	125934	
W6NPS0246	ROCKY BROOK (D09SEWALIPS)	H	275.0	0	0	8215.4
W6NPS0247	JEFFERSON	IS	0	41292	159288	51.575
5 DRC I			399.6	41292	159288	
W6NPS0252	SLATE CREEK	H	85.0	0	0	4669.7
W6NPS0253	JEFFERSON	IS	0	32112	131751	35.443
6 DFC I			1300.0	32112	131751	
W6NPS0257	SOUTH FORK	H	25.0	0	0	2375.9
W6NPS0258	JEFFERSON	IS	0	16691	66815	35.559
6 DFC I			190.0	16691	66815	



FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM OWNER	LONGITUDE	STATUS	MX. STUR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	DR. AREA	AVE. Q	PHR.	MD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
CODE	(D M. N)	(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE	(SG. MI)	(FT)	(KW)	(MWH)	(MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
STATUS								
WA7NPS0269	ALTURUS LAKE	47 38.8	H	200.0	0	0	2362.5	
WAU0295	KING	121 16.4	IS	0	7720	37097	63.685	
5 DRC I	EF FOSS	21		504.4	7720	37097		
WA7NPS0279	BEAVER CREEK	47 36.1	H	70.0	0	0	3588.5	
WAU0315	KING	121 40.8	IS	0	23649	100595	35.672	
2 DFC I	BEAVER CREEK	15		1242.0	23649	100595		
WA4NPS0287	CEDAR FALLS (MASONARY DAM)	47 24.7	SH	215.0	30000	93360	331.49	
WAU0295	KING	121 45.0	DP	175000	5	46604	7.1129	
2 DFC I	SEATTLE CITY LIGHT	78		612.0	30005	139964		
WA5NPS2647	DEADMAN FLAT	47 9.0	H	30.0	0	0	5104.4	
WAU0280	KING	121 41.5	IS	0	48715	210482	24.251	
2 DFC D	WHITE RIVER	292		303.0	48715	210482		
WA4NPS0273	DECEPTION CREEK DIVERSION	47 39.9	H	350.0	0	0	7165.3	
WAU0299	KING	121 10.5	IS	0	4987	23114	309.99	
5 DRC I	DECEPTION CR	19		339.6	4987	23114		
WA4NPS0276	DRY CREEK	47 44.8	HS	300.0	0	0	3501.9	
WAU0310	KING	121 41.0	IS	0	6698	31411	111.48	
5 DRC I	N F TOLT	22		279.7	6698	31411		
WA5NPS0259	EAST FORK MILLER	47 36.6	H	90.0	0	0	2300.2	
WAU0228	KING	121 23.4	IS	0	12527	46678	49.278	
2 DFC I	EF MILLER R	14		852.0	12527	46678		
WA4NPS0275	FORKS	47 41.7	H	150.0	0	0	2436.0	
WAU0308	KING	121 49.3	IS	0	11995	47707	51.51	
5 DRC I	TOLT RIVER	81		139.8	11995	47707		
WA5NPS0265	GREENWATER	47 7.1	H	80.0	0	0	1233.9	
WAU0284	KING	121 30.3	IS	0	1205	10044	122.85	
5 DRC I	GREENWATER RI	60		399.6	1205	10044		

PM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANNUL.	COST	ERC ECONOMIC
FM 1 ID NO	OWNER	DR. AREA	AVE. G	MX. STOR.	MX. HD.	INC. CAP.	TOT. ENERGY	INC. ENERGY	ENERGY COST	ERC NONECONOMIC	
ACTV CODE	FILE	(D M.M)	(D M.M)	(AC FT)	(AC FT)	(KW)	(MWH)	(MWH)	(1000 \$)	ERC COMPOSITE	
CODE	STATUS	(SQ. MI)	(SQ. MI)	(FT)	(FT)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)	
FILE	STATUS	(SQ. MI)	(SQ. MI)	(FT)	(FT)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)	
WAANPS0292	HIRAM A. CHITTENDEN LOCKS	47 39.8	122 23.7	OP	458000	2600	13000	0	377.3		
WA00301	LK WASHINGTON	607	1184.0	OP	19.9	2600	13000	0	29.2		
2 DFC I	DAEN NPS										
WADNPS0290	HOWARD HANSON DAM	47 16.6		C	220.0	0	0	0	656.51		
WA00298	KING GREEN RIVER	121 47.1		OP	0	5200	24900	0	26.365		
2 DFC I		220	639.0		64.5	5200	24900	0			
WA4NPS0271	MARTIN CREEK	47 43.0		H	300.0	0	0	0	4013.6		
WA00297	KING TVE RIVER	121 12.7		IS	0	19524	72435	0	55.410		
5 DRC I		66	463.4		279.7	19524	72435	0			
WASNPS0272	MARTIN CREEK DIVERSION	47 44.5		H	390.0	0	0	0	3451.1		
WA00298	KING MARTIN CR	121 12.1		IS	0	6751	31715	0	108.81		
5 DRC I		8	56.1		1116.8	6751	31715	0			
WASNPS2654	MI 5.9 REREG	47 32.5		H	400.0	0	0	0	4647.9		
WA00313	KING NF SNOQUALMIE	121 43.0		IS	0	28510	108219	0	42.949		
9 ICT I		85	336.3		559.4	28510	108219	0			
WA4NPS0280	MIDDLE FORK MILE 10	47 28.9		H	150.0	0	0	0	5227.3		
WA00316	KING MF SNOQUALMIE	121 41.7		IS	0	26910	104677	0	49.937		
6 DFC I		158	1371.1		139.8	26910	104677	0			
WA6NPS0278	MILE 11.7	47 38.4		H	310.0	0	0	0	4662.6		
WA00314	KING NF SNOQUALMIE	121 40.9		IS	0	24616	70903	0	65.759		
5 DRC I		52	416.2		291.7	24616	70903	0			
WASNPS0258	MILLER FORKS	47 40.4		H	20.0	0	0	0	106684		
WA00227	KING MILLER RIVER	121 23.2		IS	0	27609	49771	0	2183.6		
5 DRC I		40	280.8		289.7	27609	49771	0			
WADNPS0291	MUD MOUNTAIN	47 8.3		C	350.0	0	0	0	454.21		
WA00300	KING WHITE RIVER	121 55.8		OP	106000	3000	13000	0	34.939		
2 DFC I	DAEN NPS	400	743.0		26.0	3000	13000	0			

FM 2 ID NO	PROJECT NAME	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC			
ACTV DEP	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	STATUS	MAX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
CODE	OWNER	DR. AREA	(D.M.M)	(D.M.M)	(S.M.I)	(C.FS)	(AC FT)	(KW)	(MWH)	(1000 \$)
FILE		(D.M.M)	(D.M.M)	(S.M.I)	(C.FS)	(AC FT)	(KW)	(MWH)	(MWH)	(\$/MWH)
STATUS		(S.M.I)	(S.M.I)	(S.M.I)	(C.FS)	(AC FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)
WA6NPS3204	N F SNOQUALMIE	N F SNOQUALMIE	47 38.4	121 41.0	IS	505.0	265.0	14129	57544	4342.4
5 DFC I	KING		64	64	IS	505.0	90000	14129	57544	75.463
WA6NPS3205	NF SNOQUALMIE W/ REREG AT ER	NF SNOQUALMIE	47 38.4	121 41.0	IS	505.0	275.0	52400	194300	6039.2
5 DFC E	KING		64	64	IS	505.0	90000	52400	194300	31.81
WA6NPS3208	NF SNOQUALMIE LOWER SITE	NF SNOQUALMIE	47 34.7	121 42.8	IS	505.0	230.0	10235	48872	10331
2 DFC D	KING		64	64	IS	505.0	116.8	10235	48872	211.39
WA7NPS3207	NF SNOQUALMIE PIPELINE POWER	NF SNOQUALMIE	47 38.4	121 41.0	IS	505.0	275.0	10000	71648	6500.3
5 DFC E	KING		64	64	IS	505.0	90000	10000	71648	90.726
WA5NPS3206	KING A7NPS3205.	NF SNOQUALMIE	47 34.0	121 42.8	IS	505.0	62.0	31528	135342	2694.9
5 DFC S	KING		64	64	IS	505.0	562.9	31528	135342	19.912
WA5NPS0260	SELLECK	CEDAR RIVER	47 25.1	121 47.1	H	-332.3	25.0	0	0	948.38
5 DRC I	KING		84	84	IS	-332.3	0	347	3014	314.63
WA4NPS0262	SMAY CR	SMAY CR	47 14.4	121 35.5	H	-90.2	340.0	0	0	3056.6
5 DRC I	KING		21	21	IS	-90.2	0	3184	13792	221.61
WA4NPS0289	SNOQUALMIE FALLS 1	SNOQUALMIE RIVER	47 32.4	121 50.1	H	-2400.0	15.0	41690	273600	0
5 DFC I	KING		375	375	DP	-2400.0	390	0	0	0
WA4NPS0263	SUNDAY CR	SUNDAY CR	47 13.8	121 26.0	H	-98.8	220.0	0	0	2855.9
5 DRC I	KING		23	23	IS	-98.8	0	1830	8858	322.41





FM 2 ID NO	PROJECT NAME	PRJ.PURP.	DAM HT	EXIST.CAP.	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	STATUS	MX STOR.	INC. CAP.	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENERGY	ERC COMPOSITE
CODE	(D M.M)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE	(80.MI)	(CFS)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS						
WASNPS2656	EASTON	H	30.0	0	0	1247.7
WAU0534	KITTITAS	IS	0	6	54	23072
5 DRC I	YAKIMA	"835.0"	159.8	6	54	
WACNPS0317	EASTON DIVERSION	IR	56.0	0	0	395.45
WA00276	KITTITAS	OP	4000	6593	24537	16.116
5 DRC I	DOI USBR	"835.0"	55.9	6593	24537	
WAENPS0300	ELLENSBURG	H	0	0	0	0
WAU0528	KITTITAS	IS	0	0	0	0
5 DRA I	YAKIMA RIVER	"0"	325.0	0	0	
WATNPS2666	FISH LAKE DIV	H	90.0	0	0	1938.4
WAU0570	KITTITAS	IS	0	88	744	2604.0
5 DRC E	N FK CLE ELEM	"141.2"	644.1	88	744	
WASNPS0310	FORTUNE CREEK	H	300.0	0	0	8056.9
WAU0567	KITTITAS	IS	0	21367	95466	84.396
5 DFC D	CLE ELEM RIVER	"170.1"	880.0	21367	95466	
WASNPS0308	HOWSON BELOW BIG SALMON	H	20.0	0	0	1291.9
WAU0564	KITTITAS	IS	0	1	17	74935
5 DRC I	CLE ELEM RIVER	"709.8"	59.9	1	17	
WASNPS2665	HUCKLEBERRY	H	100.0	0	0	1606.4
WAU0569	KITTITAS	IS	0	1965	9663	166.22
5 DRC E	CLE ELEM RIVER	"233.3"	139.8	1965	9663	
WACNPS0314	KACHESS LAKE	ICR	59.0	0	0	223.78
WA00260	KITTITAS	OP	245000	2587	11015	20.316
2 DFC I	DOI USBR	"291.7"	59.0	2587	11015	
WACNPS0315	KEECHULUS LAKE	ICR	68.0	0	0	427.33
WA00265	KITTITAS	OP	190000	3034	13431	31.816
2 DFC I	DOI USBR	"340.4"	63.0	3034	13431	





FM 2 ID NO	PROJECT NAME	PRIMARY CO.	OWNER	NAME OF STREAM	LATITUDE	LONGITUDE	DAM HT	PROJ.PURP.	STATUS	AVE. Q	MX. STOR.	EXIST. CAP.	EXIST. ENRG.	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	FILE	ACTV DEP	CODE	DR AREA	(D M.M)	(D M.M)	(FT)	(AC FT)	(KH)	(MWH)	(1000 \$)	INC. CAP.	INC. ENRG.	ENERGY COST	ERC NON-ECONOMIC
FILE	STATUS	STATUS	STATUS	(SQ.MI)	(SQ.MI)	(SQ.MI)	(FT)	(CFS)	(KH)	(MWH)	(\$/MWH)	TOT. CAP.	TOT. ENRG.		ERC COMPOSITE
WASNPP0684	HEAD BOX CANYON	KLICKITAT	KLICKITAT RIV	45 43.0	121 15.0	1140	5.0	1530.0	23219	169126	4669.1	0	0	27.607	(SEQUENCE RANK)
2	DRC I						1		23219	169126		0	0		(SEQUENCE RANK)
WASNPP0685	LITTLE KLICKITAT	KLICKITAT	KLICKITAT RIV	45 50.9	121 5.9		20.0		19338	126464	4095.7	0	0	32.386	(SEQUENCE RANK)
2	DRC I						1400		19338	126464		0	0		(SEQUENCE RANK)
WASNPP0686	MIDDLE BIG MUDDY	KLICKITAT	BIG MUDDY CRE	45 6.9	121 16.9		10.0		0	9983	705.79	0	0	70.697	(SEQUENCE RANK)
5	DRC D						1		2296	9983		0	0		(SEQUENCE RANK)
WASNPP0687	OUTLET CREEK DIVERSTON	KLICKITAT	KLICKITAT RIV	46 0.9	121 9.0		72.0		0	264029	4414.6	0	0	16.720	(SEQUENCE RANK)
6	DRC D						640		34656	264029		0	0		(SEQUENCE RANK)
WASNPP0688	OUTLET CREEK RESERVOIR	KLICKITAT	KLICKITAT RIV	45 59.5	121 7.9		305.0		0	155170	5940.5	0	0	38.284	(SEQUENCE RANK)
6	DRC E						114000		64500	155170		0	0		(SEQUENCE RANK)
WATNPP0695	TROUT LAKE (LITTLE MOUNTAIN)	KLICKITAT	WHITE SALMON	45 57.0	121 28.0		150.0		0	70802	8207.6	0	0	115.92	(SEQUENCE RANK)
5	DRC D						155000		15669	70802		0	0		(SEQUENCE RANK)
WATNPP0694	UNDERWOOD	KLICKITAT	WHITE SALMON	45 44.0	121 31.9		134.0		0	154000	3627.6	0	0	23.556	(SEQUENCE RANK)
2	DFC I						1081		42000	154000		0	0		(SEQUENCE RANK)
WASNPP0691	WALLACE BRIDGE DAM (B-Z)	KLICKITAT	WHITE SALMON	45 52.5	121 30.3		40.0		0	233000	3541.7	0	0	15.200	(SEQUENCE RANK)
2	DFC D						1		50000	233000		0	0		(SEQUENCE RANK)
WASNPP0693	WRIGHT	KLICKITAT	KLICKITAT RIV	45 48.9	121 9.0		10.0		0	42000	2734.6	0	0	65.109	(SEQUENCE RANK)
5	DFC D						1		5500	42000		0	0		(SEQUENCE RANK)

FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	NAME OF STREAM	OWNER	STATUS	MX. STUR.	MX. STUR.	MX. STUR.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
ACTV CODE	DEP CODE	DR. AREA	(D M.M)	AVE. G	FWR. HD.	TOT. CAP.	TOT. ENRG	(MWH)	(1000 \$)	ERC COMPOSITE
FILE	(D M.M)	(D M.M)	(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS	(SG.MI)	(SG.MI)	(SG.MI)	(CFS)	(AC FT)	(KW)	(MWH)	(MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
WA7NPP0711	CASCADE CREEK-HIGH	46 27.6	122 16.0	H	365.0	48400	212000	0	7139.2	
WAU0742	GREEN RIVER		79	IS	251500	48400	212000	0	33.675	
6 DFC I					909.0					
WA5NPP0712	CLEAR FORK	46 39.0	121 37.0	H	10.0	0	0	0	1889.0	
WAU0746	LEWIS		53	IS	400.0	13700	59900	0	31.537	
2 DFC E					225.0	13700	59900	0		
WA6NPP0704	COMLITZ FALLS (RESERVOIR)	46 28.0	122 6.7	HC	355.0	0	0	0	33611	
WAU0684	LEWIS		1000	IS	500000	475179	946322	0	35.517	
6 DRC D					299.7	475179	946322	0		
WA6NPP0709	COMLITZ FALLS	46 28.0	122 5.9	H	250.0	0	0	0	23941	
WAU0706	LEWIS		1040	IS	260000	403586	802293	0	29.841	
2 DRC E					244.7	403586	802293	0		
WA7NPP0703	COMLITZ FALLS (DIVERSION)	46 28.0	122 6.7	H	70.0	0	0	0	4080.6	
WAU0683	LEWIS		1000	IS	16780	21370	156667	0	26.46	
2 DRC D					89.9	21370	156667	0		
WA6NPP0713	DEVILS CREEK	46 22.8	122 32.5	H	405.0	0	0	0	10999	
WAU0749	LEWIS		93	IS	616700	25500	111800	0	98.388	
5 DFC I					399.6	25500	111800	0		
WA7NPP0714	GRAVEL BANK	46 25.0	121 45.0	H	225.0	0	0	0	4338.1	
WAU0753	LEWIS		187	IS	94000	18201	129052	0	33.615	
2 DRC I					449.5	18201	129052	0		
WA6NPP0705	GREENHORN CREEK	46 26.0	122 0.0	H	315.0	0	0	0	8403.8	
WAU0686	LEWIS		351	IS	420000	47000	190000	0	44.230	
5 DFC I					240.7	47000	190000	0		
WA6NPP0715	JOHNSON CREEK	46 33.5	121 41.0	H	10.0	0	0	0	1651.6	
WAU0757	LEWIS		49	IS	13700	13700	59900	0	27.573	
2 DFC I					450.0	13700	59900	0		

FM 2 ID NO	PROJECT NAME	PRIMARY CO. NAME	OWNER	STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	STATUS	AVE. G	PHR. HD.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG. ANUL. COST	ERC ECONOMIC		
FM 1 ID NO	FILE	STATUS	DR. AREA	(D M.M)	(D M.M)	(SQ. MI)	(AC FT)	(FT)	(KW)	(MWH)	(1000 \$)	(S/MWH)	TOT. ENRGY	(MWH)	(MWH)	(1000 \$)	ERC COMPOSITE
ACTV DEP	CODE	FILE	DR. AREA	(D M.M)	(D M.M)	(SQ. MI)	(AC FT)	(FT)	(KW)	(MWH)	(1000 \$)	(S/MWH)	TOT. ENRGY	(MWH)	(MWH)	(1000 \$)	ERC COMPOSITE
CODE	FILE	STATUS	DR. AREA	(D M.M)	(D M.M)	(SQ. MI)	(AC FT)	(FT)	(KW)	(MWH)	(1000 \$)	(S/MWH)	TOT. ENRGY	(MWH)	(MWH)	(1000 \$)	ERC COMPOSITE
WAGNPP0728	HAYFIELD DAM	LEWIS	CITY OF TACOMA	COWLITZ RIVER	46 30.1	122 35.4	HR	250.0	121500	650000	2111.3	21.993	650000	0	0	1052.5	ERC ECONOMIC
WAO0192	LEWIS	LEWIS	CITY OF TACOMA	COWLITZ RIVER	46 30.1	122 35.4	OP	181455	40500	96000	21.993	21.993	96000	0	0	43.855	ERC ECONOMIC
2 DFC I	CITY OF TACOMA	LEWIS	CITY OF TACOMA	COWLITZ RIVER	46 30.1	122 35.4	OP	181455	40500	96000	21.993	21.993	96000	0	0	43.855	ERC ECONOMIC
WASNPP0716	MINER'S CREEK	LEWIS	MINER'S CREEK	GREEN RIVER	46 23.4	122 15.0	H	10.0	5500	24000	1052.5	43.855	24000	0	0	1052.5	ERC ECONOMIC
5 DFC D	MINER'S CREEK	LEWIS	MINER'S CREEK	GREEN RIVER	46 23.4	122 15.0	IS	10.0	5500	24000	1052.5	43.855	24000	0	0	1052.5	ERC ECONOMIC
WAGNPP0717	MORTON	LEWIS	MORTON	TILTON RIVER	46 34.9	122 20.0	H	315.0	78207	105529	8672.9	82.185	105529	0	0	8672.9	ERC ECONOMIC
5 DRC I	MORTON	LEWIS	MORTON	TILTON RIVER	46 34.9	122 20.0	IS	315.0	78207	105529	8672.9	82.185	105529	0	0	8672.9	ERC ECONOMIC
WAINPP0727	MOSSYROCK DAM	LEWIS	CITY OF TACOMA	COWLITZ RIVER	46 32.1	122 25.3	HCR	606.0	300000	736000	3771.1	12.570	736000	0	0	3771.1	ERC ECONOMIC
2 DFC I	MOSSYROCK DAM	LEWIS	CITY OF TACOMA	COWLITZ RIVER	46 32.1	122 25.3	OP	606.0	300000	736000	3771.1	12.570	736000	0	0	3771.1	ERC ECONOMIC
WASNPP0718	MUDDY FORK	LEWIS	MUDDY FORK	MUDDY FORK/CO	46 39.0	121 37.0	H	80.0	34200	149800	2556.4	17.65	149800	0	0	2556.4	ERC ECONOMIC
6 DFC I	MUDDY FORK	LEWIS	MUDDY FORK	MUDDY FORK/CO	46 39.0	121 37.0	IS	80.0	34200	149800	2556.4	17.65	149800	0	0	2556.4	ERC ECONOMIC
WASNPP0720	NORTH FORK TILTON	LEWIS	NORTH FORK TILTON	NORTH FORK TI	46 35.5	122 21.4	H	40.0	4397	25040	1266.4	50.576	25040	0	0	1266.4	ERC ECONOMIC
5 DRC D	NORTH FORK TILTON	LEWIS	NORTH FORK TILTON	NORTH FORK TI	46 35.5	122 21.4	IS	40.0	4397	25040	1266.4	50.576	25040	0	0	1266.4	ERC ECONOMIC
W7MPP0719	NORTH FORK	LEWIS	NORTH FORK	NORTH FORK CI	46 23.4	121 46.9	H	205.0	3498	20438	3381.0	165.42	20438	0	0	3381.0	ERC ECONOMIC
5 DRC D	NORTH FORK	LEWIS	NORTH FORK	NORTH FORK CI	46 23.4	121 46.9	IS	205.0	3498	20438	3381.0	165.42	20438	0	0	3381.0	ERC ECONOMIC
W6NPP0721	OHANA	LEWIS	OHANA	OHANAPECOSH R	46 41.4	121 34.4	H	325.0	14600	63900	3921.6	61.372	63900	0	0	3921.6	ERC ECONOMIC
5 DFC D	OHANA	LEWIS	OHANA	OHANAPECOSH R	46 41.4	121 34.4	IS	325.0	14600	63900	3921.6	61.372	63900	0	0	3921.6	ERC ECONOMIC
WAGNPP0726	PACKWOOD DAM	LEWIS	PACKWOOD DAM	LAKE CREEK	46 35.7	121 33.9	HR	60.5	26125	101000	1146.7	55.130	101000	0	0	1146.7	ERC ECONOMIC
5 DFC I	PACKWOOD DAM	LEWIS	PACKWOOD DAM	LAKE CREEK	46 35.7	121 33.9	OP	60.5	26125	101000	1146.7	55.130	101000	0	0	1146.7	ERC ECONOMIC
5 DFC I	WA PUB POWER SUPPLY SYST	LEWIS	WA PUB POWER SUPPLY SYST	LAKE CREEK	46 35.7	121 33.9	OP	60.5	5375	20800	1146.7	55.130	20800	0	0	1146.7	ERC ECONOMIC
5 DFC I	WA PUB POWER SUPPLY SYST	LEWIS	WA PUB POWER SUPPLY SYST	LAKE CREEK	46 35.7	121 33.9	OP	60.5	5375	20800	1146.7	55.130	20800	0	0	1146.7	ERC ECONOMIC

FM 2 ID NO	PROJECT NAME	DR. AREA	LONGITUDE	DAM HT	PROJ. PURT.	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	DR. AREA	LONGITUDE	MX. STOR.	INC. CAP.	INC. ENRGY	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER	(D M.M)	(D M.M)	(AC FT)	TOT. CAP.	TOT. ENRGY	(1000 \$)	ERC COMPOSITE
CODE		(90.MI)	(CF9)	(KWH)	(KWH)	(KWH)	(\$/MWH)	(SEQUENCE RANK)
FILE								(SEQUENCE RANK)
STATUS								(SEQUENCE RANK)
W7NPP2804	SECTION 10 DIVERSION CLEAR FORK	46 41.5	121 34.9	160.0	0	295100	4886.2	
2 DFC D		53	53	8500	67400	295100	15.202	
W5NPP2807	SILVER CREEK	46 32.9	121 55.5	10.0	0	59700	1724.8	
2 DFC I		46	46	1	13600	59700	28.891	
W7NPP0707	SILVER FALLS	46 40.8	121 34.8	220.0	0	184000	4326.6	
6 DFC I		95	95	35000	23200	184000	23.514	
W6NPP0724	SKYN MOUNTAIN	46 30.0	121 58.0	90.0	0	110555	8788.3	
5 DRC I		600	600	393000	17341	110555	79.492	
W7NPP0708	TILTON	46 34.9	122 31.0	225.0	0	69556	4552.7	
5 DRC I		150	150	186000	14506	89556	50.836	
W6NPP0722	TOWER ROCK	46 27.0	121 48.9	225.0	0	112602	7229.0	
5 DRC D		247	247	119550	23713	112602	64.199	
W7NPP0699	WALUPT LAKE	46 21.5	121 28.7	75.0	0	31000	2381.9	
5 DFC D		20	20	40000	8000	31000	76.837	
W5NPP0723	WINSTON CREEK	46 30.0	122 33.5	10.0	0	12976	1083.1	
5 DRC D		32	32	1	2459	12976	83.470	
W6NPS0319	LITTLE FALLS DAM	47 49.8	117 55.0	60.0	32000	217000	4350.0	
2 DFC I		6340	6340	4250	43001	103658	41.965	
	WASHINGTON WATER POWER CO.	-8502.8	76.1	75001	75001	320658		



FM 2 ID NO	FM 1 ID NO	ACTV DEP	CODE	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRGY	ANUL. ENRGY	COST	ERC ECONOMIC
							OWNER		DR. AREA	DR. AREA	STATUS	MX. STOR.	INC. CAP.	TOT. CAP.	TOT. ENRGY	ENERGY		ERC NONECONOMIC
									(D M M)	(D M M)	(CFS)	(AC FT)	(KW)	(KW)	(MWH)	(1000 \$)	(\$/MWH)	ERC COMPOSITE
									(SQ. MI)	(SQ. MI)		(FT)	(KW)	(KW)	(MWH)	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)
WAINP0318	WAO0021	2	DRC I			LONG LAKE	SPOKANE RIVER	47 50.2	117 50.2	229000	HR	208.0	70000	444100	444100	2449.0	2449.0	
						LINCOLN	WASHINGTON WATER POWER CO.	6020	8073.7	164.2	DP	229000	50000	63220	527320	29.429	29.429	
W7NPS0355	WAU0264	2	DRC I			BROWN CREEK	SF SKOKOMISH	47 22.8	123 18.7	300.0	H	300.0	0	0	0	7257.7	38.784	
						MASON		54	-475.1	613.0	IS	42329	42329	187130	187130			
W7NPS0324	WAO0145	2	DRC S			CUSHMAN DAM NO 1	NF SKOKOMISH	47 25.1	123 13.4	235.0	HR	235.0	43200	110000	110000	271.92	49.441	
						MASON	CITY OF TACOMA	94	-746.2	254.0	DP	478000	2160	5500	115500			
W7NPS0325	WAO0146	2	DRC S			CUSHMAN RESERVOIR NO 2	NF SKOKOMISH	47 23.8	123 11.9	235.0	HR	235.0	81000	220000	220000	438.12	39.829	
						MASON	CITY OF TACOMA	100	-793.8	477.0	DP	8750	4050	11000	231000			
W4NPS3213	WAO0267	2	DRC S			DUCKABUSH HYDROELECTRIC	DUCKABUSH R.	48 40.8	123 2.8	300.0	H	300.0	0	0	0	3212.2	11.681	
						MASON		56	350.0	299.7	SP	10000	35000	275000	275000			
W7NPS0322	WAO0267	2	DRC I			HAMMA HAMMA	HAMMA HAMMA R	47 33.6	123 4.1	25.0	H	25.0	0	0	0	1781.0	35.620	
						MASON		76	-483.7	299.7	IS	9300	9300	50000	50000			
W7NPS0321	WAO0265	6	DRC I			STAIRCASE	NF SKOKOMISH	47 31.8	123 21.6	50.0	H	50.0	14385	14385	55257	55257	2495.4	45.161
						MASON		50	-439.9	225.0	IS	0	0	0	0			
W7NPS3110	WAO0325	5	DRC I			BLUE LAKE DAM (RES)	TRIB TO STELA	48 41.5	119 41.4	10.0	R	10.0	0	0	0	37.415	9865.7	
						OKANOGAN	WA STATE GAME DEPT	11	-3.8	9.9	DP	4416	0	3	3			
W7NPS0329	WAO0603	5	DRC I			CALLOWAY CREEK	METHOW RIVER	48 37.6	120 27.8	170.0	H	170.0	0	0	0	6406.0	151.50	
						OKANOGAN		256	-321.1	219.7	IS	21454	21454	42282	42282			

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	LONGITUDE	STATUS	PK.STOR.	INC. CAP.	INC.ENERG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR.AREA	AVE. Q	PKR. PD.	TOT. CAP.	TOT.ENERG		ERC COMPOSITE
CODE CODE		(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE		(D M.M)		(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ.MI)		(FT)	(KW)	(MWH)		(SEQUENCE RANK)
WA6NPS0333	CHEWACK CREEK	48 50.0	H	150.0	0	0	1075.8	
WAU0607	OKANOGAN	120 1.0	IS	0	115	955	1125.3	
5 DRC I		77		-126.2	139.8	115		
WA6NPS0339	CONCONULLY RESERVOIR	48 32.2	ICR	63.0	0	0	49.225	
WA00259	OKANOGAN	119 44.8	OP	16600	80	496	99.179	
5 DRC I	LK CHELAN RECL DIST.	121		-41.8	80	496		
WA6NPS2675	COW CREEK	48 11.2	H	330.0	0	0	8649.2	
WAU0600	OKANOGAN	120 5.6	IS	0	49871	325351	26.584	
6 DFC E		1664		-1584.6	49871	325351		
WA6NPS0331	EIGHT MILE CREEK (CHEWACK)	48 35.5	H	325.0	0	0	12895	
WAU0605	OKANOGAN	120 9.7	IS	0	137525	114526	112.59	
5 DRC I		382		-626.5	137525	114526		
WA6NPS3114	FANCHERS DAM	48 49.7	I,R	60.0	0	0	38.946	
WA00040	OKANOGAN	119 15.7	OP	600	7	65	594.97	
5 DRC I	R.M. FANCHER	34		-11.7	7	65		
WA6NPS0326	GOAT CREEK	48 34.1	H	110.0	0	0	5221.3	
WAU0602	OKANOGAN	120 21.9	IS	0	22255	41455	125.95	
5 DRC I		391		-490.5	22255	41455		
WA6NPS3102	LEADER LAKE	48 21.6	IR	53.0	0	0	35.927	
WA00223	OKANOGAN	119 41.7	OP	0	0	1	16983	
5 DRC I	PLEASANT VALLEY IRR AND POWE	3		-1.0	0	1		
WA6NPS0330	LITTLE BRIDGE CREEK	48 22.6	H	300.0	0	0	9718.4	
WAU0604	OKANOGAN	120 16.6	IS	0	104115	168697	57.609	
5 DRC I	THISP RIVER	207		-872.7	104115	168697		
WA6NPS2673	MCFARLAND CREEK	48 9.1	H	370.0	0	0	13865	
WAU0598	OKANOGAN	120 3.7	IS	0	56712	369879	37.486	
6 DFC E	METHOW RIVER	1682		-1601.8	56712	369879		

FM 2 ID NO	PROJECT NAME	STATUS	PROJ. PURP.	DAM HT	EXIST. CAP.	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	NAME OF STREAM	DR. AREA	LONGITUDE	AVG. Q	MX. STOR.	INC. CAP.	INC. ENERGY
ACTV DEP	OWNER	(D.M.A)	(D.M.M)	(CFS)	(AC FT)	(KW)	TOT. ENERGY
CODE		(SQ.MI)	(FT)	(KW)	(MWH)	(1000 \$)	(\$/MWH)
FILE		(SQ.MI)	(FT)	(KW)	(MWH)	(1000 \$)	(\$/MWH)
STATUS		(CFS)	(FT)	(KW)	(MWH)	(1000 \$)	(\$/MWH)
WASNPS0344	MCLAUGHLIN FALLS	48 35.2	119 28.5	18	25.0	0	2736.1
5	OKANOGAN	7510	-3031.5	IS	6022	27750	98.601
WASNPS2674	MILE 19 1/4	48 9.8	120 4.6	18	345.0	0	12729
6	OKANOGAN	1667	-1587.5	IS	52303	341235	37.803
WASNPS2621	NIGHTHAWK ALT	48 57.7	119 38.5	18	160.0	0	8634.6
2	OKANOGAN	3550	-2390.4	IS	33611	178140	48.471
WASNPS2622	NIGHTHAWK	48 56.5	119 39.4	18	160.0	0	8386.3
2	OKANOGAN	3540	-2383.7	IS	33516	177700	47.250
WASNPS0334	OROVILLE	48 57.0	119 28.0	18	40.0	0	2742.7
5	OKANOGAN	3585	-2428.6	IS	17488	48061	57.67
WACNPS3105	OWHI LAKE DAM	48 13.3	118 53.5	18	10.0	0	37.679
5	OKANOGAN	13	-7.5	ISR	0	3	9702.0
WATNPS2672	PATEROS	48 4.6	119 59.3	18	500.0	0	11923
2	OKANOGAN	1774	-1689.4	IS	86400	563500	21.159
WACNPS3113	PATTERSON LAKE DAM	48 28.0	120 15.0	18	29.0	0	35.796
5	OKANOGAN	2	-0.6	IR	0	1	19295
WASNPS3115	PEARRYGIN	48 29.5	120 9.9	18	100.0	0	1582.9
5	OKANOGAN	11	-3.8	IS	0	38	40620

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM OWNER	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV CODE	DR. AREA	(D M.M)	AVE. Q	PHR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITER
CODE	(D M.M)	(SQ. MI)	(CFS)	(AC FT)	(KW)	(MMH)	(\$/MMH)	(SEQUENCE RANK)
FILE	(80. MI)	(FT)	(KW)	(KW)	(MMH)	(MMH)	(MMH)	(SEQUENCE RANK)
STATUS	(80. MI)	(FT)	(KW)	(KW)	(MMH)	(MMH)	(MMH)	(SEQUENCE RANK)
WACNP93112	RAT LAKE DAM	48 10.6	ICR	24.0	0	0	38.716	
WAO0061	OKANOGAN	119 48.4		2300	2	20	1932.6	
5 DRC I	OKAN. POWER AND IRRIGATION C	26		19.9	2	20		
WACNP93106	SALMON LK DAM (CONCONULLY LK)	48 33.4	ICR	40.0	0	0	40.352	
WAO0291	OKANOGAN	119 44.6	OP	16000	7	66	606.14	
5 DRC I	DOI, USBR	50		34.9	7	66		
WAO0421	SHANKERS BEND	48 56.9	HC	260.0	0	0	11756	
WAO1150	OKANOGAN	119 31.0	IS	0	54982	372120	31.592	
2 DFC D	SIMILKAMEEN R	3570		244.0	54982	372120		
WAO0332	SHEEP CREEK	48 47.4	H	140.0	0	0	1489.6	
WAO0606	OKANOGAN	120 4.2	IS	0	181	1523	977.81	
5 DRC I		132		134.8	181	1523		
WAO0343	SIMILKAMEEN DAM (ENLDE DAM)	48 57.9	H	55.0	0	0	667.69	
WAO0097	OKANOGAN	119 30.0	IS	2400	12428	45843	14.564	
2 DFC I	OKANOGAN PUD NO 1.	3580		55.0	12428	45843		
WACNP93103	SPECTACLE LAKE DIKE	48 48.9	IR	13.0	0	0	38.136	
WAO0272	OKANOGAN	119 31.3	OP	14100	0	5	6684.6	
5 DRC I	DOI, USBR	17		9.9	0	5		
WAO0326	SQUAW CREEK	48 5.1	H	580.0	0	0	15070	
WAO0597	OKANOGAN	120 0.9	IS	0	93050	606854	24.833	
6 DFC E		1743		570.0	93050	606854		
WAO0327	TIWISP	48 21.7	H	290.0	0	0	16172	
WAO0601	OKANOGAN	120 6.7	IS	0	38823	246536	65.600	
5 DFC I		1330		280.0	38823	246536		
WAO03214	NORTH RIVER	46 47.4	H	90.0	0	0	1921.1	
5 DFC I	PACIFIC	123 51.0	IS	0	12000	30000	64.38	
		247		49.9	12000	30000		

FM 2 ID NO	PROJECT NAME	PRJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
ACTV DEP	NAME OF STREAM	STATUS	HY. STOR.	INC. CAP.	INC. ENRG ENERGY COST	ERC NONECONOMIC
CODE	OWNER	AVE. Q	PHR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)
FILE	DR. AREA	(D M. M)	(AC FT)	(KW)	(MWH)	(\$/MWH)
STATUS	(D M. M)	(SQ. MI)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
WAGNPS0345	NORTH RIVER	46 46.7	112.0	0	0	6280.9
5	PACIFIC	123 52.6	111.8	2335	65405	96.31
WAGNPS0347	BOUNDARY DAM	48 59.2	385.0	653000	3915720	4030.1
2	PEND OREILLE	117 20.8	94500	190000	411720	9.7884
2	CITY OF SEATTLE	25200	243.4	845000	4327440	
WAGNPS0351	BOX CANYON DAM	48 46.7	100.0	60000	508500	1440.9
2	PEND OREILLE	117 24.5	50000	20000	40000	36.24
2	PEND OREILLE CO PUD NO 1	24900	29.0	80000	548300	
WAGNPS0348	CALTSPELL	48 14.4	80.0	560	2300	0
5	PEND OREILLE	117 21.6	1160	0	0	0
5	PEND OREILLE CO PUD NO 1	57	309.0	560	2300	
WAGNPS0349	MILL POND DAM	48 51.4	58.0	0	0	1183.2
2	PEND OREILLE	117 18.1	1962	11068	39154	31.11
2	PEND OREILLE PUD NO.1	125	421.5	11068	39154	
WAGNPS3209	SULLIVAN CREEK	48 50.8	80.0	0	0	1295.2
2	PEND OREILLE	117 17.2	50000	18000	70080	18.482
WAGNPS0368	ALDER	46 48.0	285.0	50000	220000	1144.5
5	PIERCE	122 18.5	24000	25000	13140	87.100
5	TACOMA DEPT OF PUB UTIL	286	271.0	75000	233140	
WAGNPP0729	BALO ROCK	46 46.7	325.0	0	0	5422.3
5	PIERCE	121 34.0	57500	14600	63900	84.857
WAGNPS2642	CARBON NO 2	47 0.7	20.0	0	0	2945.0
2	PIERCE	122 0.6	422.0	25050	104876	28.81
2	PIERCE	76	429.2	25050	104876	

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG/ANUL.	COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	LONGITUDE	STATUS	MX. STUR.	INC. CAP.	INC. ENRGY	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. G	*PWR. MD.	TUT. CAP.	TOT. ENRGY*	(1000 \$)	ERC COMP SITE*
CODE		(D M.M)	(CFS)	(AC FT)	(KW)	(MMH)	(\$/MMH)	(SEQUENCE RANK)
FILE		(D M.M)		(FT)	(KW)	(MMH)		(SEQUENCE RANK)
STATUS		(SQ. MI)		(FT)	(KW)	(MMH)		(SEQUENCE RANK)
WASNPS2643	CARBON RIVER	46 59.9	H	25.0	0	0	3514.6	
WAU0254	CARBON RIVER	121 52.3	IS	705.0	28634	119879	29.318	
6 DFC E		52			28634	119879		
WASNPS2649	CARBON RIVER	47 4.3	H	20.0	0	0	3037.4	
WAU0289	CARBON RIVER	122 2.9	IS	488.0	26744	111966	27.128	
2 DFC S		80			26744	111966		
WASNPS0361	EAST FORK RAINIER	47 0.3	H	15.0	0	0	2277.9	
WAU0283	WHITE RIVER	121 31.7	IS	322.0	11644	50181	45.393	
2 DFC I		78			11644	50181		
WASNPS3216	EATONVILLE	46 50.9	H	7.0	0	0	396.36	
WAU0286	LITTLE MASHKE	122 16.3	SP	306.6	1500	6570	60.328	
5 DFC I		25			1500	6570		
WASNPS0362	ECHO LAKE	47 2.8	H	170.0	0	0	1466.2	
WAU0286	GREENWATER RI	121 25.1	IS	999.0	4971	22860	64.138	
5 DFC I		12			4971	22860		
WASNPS0370	ELECTRON RES	46 54.3	H	10.0	29500	172300	0	
WAU1231	PUYALLUP R	122 2.3	DP	971.0	0	0	0	
5 DFC I	PUSET SOUND PWR AND LT	131			29500	172300		
WASNPS0364	FAIRFAX	47 3.6	H	540.0	0	0	21536	
WAU0290	CARBON RIVER	122 2.6	IS	829.1	11729	237228	90.783	
5 DFC D		81			11729	237228		
WASNPS3117	HOOD ST. RES/MCMILLAN RES	47 13.9	S	20.0	0	0	35.1	
WAU03022	GREEN RIVER D	122 26.5	DP	38	0	0	737863	
5 DFC I	CITY OF TACOMA	0			0	0		
WASNPS0360	HUCKLEBERRY	47 3.2	H	15.0	0	0	2440.0	
WAU0282	WHITE RIVER	121 34.3	IS	194.8	20979	48746	50.54	
5 DFC I		100			20979	48746		

PROJECT NO	PROJECT NAME	PRIMRY CO.	NAME OF STREAM	DR. AREA	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG. ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER		STATUS	AVE. Q	WPNR, MD.	MX-STOR.	INC. CAP.	INC. ENRGY	TOT. ENRGY	ENERGY COST	ERC COMPOSITE
CODE								(MWH)	(MWH)	(1000 \$)	(SEQUENCE RANK)
FILE				(D M.M)	(AC FT)	(CFS)	(KW)	(MWH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS				(30.MI)	(FT)		(KW)	(MWH)	(MWH)		(SEQUENCE RANK)
WASNP0367	LA GRANDE RESERVOIR	PIERCE	NISQUALLY RIV	46 49.3	122 18.1	DP	192.0	64000	330000	1720.6	
WAO0253	PIERCE			3070	40000		8760	196.42			
5 DFC 8	CITY OF TACOMA			289	104000		338760				
WASNP0266	LDST CREEK	PIERCE	GREENWATER RI	47 5.0	121 26.5	IS	20.0	0	0	1274.2	
WAO0285	PIERCE			26			5737	24727	24727	51.532	
5 DFC I							5737				
WASNP02648	MILE 9.2	PIERCE	CARBON RIVER	47 5.8	122 5.6	IS	170.0	0	0	4619.2	
WAO0286	PIERCE			86			23174	97022	97022	47.610	
2 DFC E							23174				
WASNP0352	MOWICH NO 1	PIERCE	MOWICH RIVER	46 54.9	121 54.9	IS	85.0	0	0	3175.4	
WAO0255	PIERCE			23			13941	63800	63800	49.771	
6 DFC I							13941				
WASNP0358	MOWICH NO 1A	PIERCE	PULLUP R	46 51.8	121 57.3	IS	30.0	0	0	2168.5	
WAO0278	PIERCE			30			11647	53300	53300	40.684	
2 DFC I							11647				
WASNP0353	NISQUALLY	PIERCE	NISQUALLY RIV	46 50.3	122 21.1	IS	150.0	0	0	4590.6	
WAO0257	PIERCE			380			86313	415859	415859	11.38	
9 ICT D							86313				
WASNP0357	ORTING	PIERCE	PUYALLUP R	47 2.3	122 12.4	IS	230.0	0	0	7783.3	
WAO0277	PIERCE			172			32466	167580	167580	46.445	
2 DFC I							32466				
WASNP0354	PARK JUNCTION ELBE	PIERCE	NISQUALLY R	46 44.4	121 55.6	IS	15.0	0	0	4550.2	
WAO0258	PIERCE			66			34405	152844	152844	29.770	
2 DFC D							34405				
WASNP02645	PARK JUNCTION 2	PIERCE	NISQUALLY RIV	46 45.1	122 4.9	IS	15.0	0	0	1826.2	
WAO0259	PIERCE			133			1727	15048	15048	121.35	
5 DFC E							1727				





PM 2 ID NO	PROJECT NAME	PROJ.PURP.	DAM HT	EXIST.CAP.	ANUL.COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	STATUS	MX.STUR.	INC.CAP.	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	AVE. Q	PRR. HD.	TOT. CAP.	TOT. ENERGY	ERC COMPOSITE
CODE CODE		(D M.H)	(AC FT)	(KW)	(MWH)	(SEQUENCE RANK)
FILE		(SQ.MI)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
STATUS		(CFS)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
WANNPS0385	BEAR CREEK DAM NO. 1	H	22.0	0	0	498.88
WAO1203	SKAGIT BEAR+ ROCK CR	IS	0	5200	21200	23.532
2 DFC I	LONE STAR CEMENT		415.0	5200	21200	
WASNPS0380	CASCADE	H	160.0	0	0	5794.5
WAO2026	SKAGIT CASCADE RIVER	IS	0	82093	322025	17.993
6 DFC E			626.0	82093	322025	
W4NPS2630	CASCADE-SKAGIT	H	130.0	0	0	4883.1
WAO186	SKAGIT	IS	0	98055	384673	12.694
6 DFC E			626.0	98055	384673	
W4NPS2631	COPPER CR ALT	H	170.0	0	0	7948.0
WAO188	SKAGIT	IS	0	103697	445305	17.848
2 DFC E			157.0	103697	445305	
WASNPS0376	COPPER CREEK	HC	132.0	0	0	9620.9
WAO189	SKAGIT	SP	0	107678	462507	20.801
2 DFC D			161.0	107678	462507	
W4NPS2629	DALLES	H	50.0	0	0	9722.7
WAO184	SKAGIT	IS	0	64926	292939	33.190
6 DFC E			32.0	64926	292939	
WASNPS0397	FRAILEY MTN (DEER CR)	H	131.0	0	0	3858.3
WAO210	SKAGIT	IS	0	44860	170186	22.671
2 DFC I			817.0	44860	170186	
W4NPS0381	HARD KINDY	H	295.0	0	0	9494.1
WAO207	SKAGIT	IS	0	20404	89247	106.37
5 DRC I			299.7	20404	89247	
WASNPS0379	ILLABOT CR	H	20.0	0	0	2453.0
WAO205	SKAGIT	IS	0	27829	109165	22.471
2 DFC I			958.0	27829	109165	









FM 2 ID NO	PROJECT NAME	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL.	COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	STATUS	MX. STUR.	INC. CAP.	INC. ENERGY	ENERGY COST	ERC NONECONOMIC
ACTV CODE	DR. AREA	AVE. Q	PR. HD.	TOT. CAP.	TOT. ENERGY		ERC COMPOSITE
FILE CODE	(D M.M)	(CFS)	(FT)	(KW)	(MWH)	(1000 \$)	(SEQUENCE RANK)
STATUS	(D M.M)	(AC FT)	(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
	(80 MI)			(KW)	(MWH)		(SEQUENCE RANK)
WA7NPS0409	LAKE ISABELL	H	80.0	0	0	1567.0	
WAU0223	SNODHOMISH	IS	2367.6	6657	31303	50.59	
5 DRC I				6657	31303		
WA6NPS3121	LOWER SITE	H	470.0	0	0	23760	
5 DFC I	M.F. SNODQUALM	IS	460.0	66180	387615	61.300	
				66180	387615		
WA5NPS0392	LOWER WHITE CHUCK	H	20.0	0	0	4022.0	
WAU0201	SNODHOMISH	IS	821.0	47733	181297	22.185	
2 DFC I				47733	181297		
WA5NPS0406	MIDDLE SULTAN	H	80.0	0	0	2935.8	
WAU0220	SNODHOMISH	IS	387.0	37635	136517	21.505	
2 DFC I				37635	136517		
WA7NPS0394	NORTH FORK SAUK	H	230.0	0	0	6478.1	
WAU0203	SNODHOMISH	IS	645.0	76640	291364	22.233	
6 DFC I				76640	291364		
WA4NPS0396	OSO	H	150.0	0	0	6820.3	
WAU0209	SNODHOMISH	IS	136.0	40640	154376	44.179	
6 DFC I				40640	154376		
WA4NPS0403	PILCHUCK	H	160.0	0	0	915.5	
WAU0217	SNODHOMISH	IS	149.8	1067	5801	157.72	
5 DRC I				1067	5801		
WA4NPS0415	RAPID RIVER	H	370.0	0	0	4066.0	
WAU0293	SNODHOMISH	IS	359.6	21032	62447	65.111	
5 DRC I				21032	62447		
WA7NPS0400	ROBE	H	350.0	0	0	9517.3	
WAU0213	SNODHOMISH	IS	514.0	77062	330026	28.838	
2 DFC S				77062	330026		

FM 2 ID NO	PROJECT NAME	PROJECT NO.	STATUS	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
ACTV DEP	OWNER	DR AREA	DR AREA	AVE. Q	WHR. HD.	WHR. HD.	WHR. HD.	WHR. HD.	WHR. HD.
FILE	FILE	(D.M.M)	(D.M.M)	(CFS)	(AC FT)	(KH)	(MWH)	(1000 \$)	(SEQUENCE RANK)
STATUS	STATUS	(SQ.MI)	(SQ.MI)	(CFS)	(FT)	(KH)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
WA6NPS2635	ROBE ALT	48	6.1	H	220.0	0	0	6421.4	
2	DFC E	121	51.8	IS	370.0	54973	230371	27.874	
WA5NPS2651	SILVER CREEK	47	53.6	H	90.0	0	0	3563.5	
6	DFC E	121	26.1	IS	300.0	33140	125870	28.311	
WA7NPS0402	SILVERTON	48	4.3	H	90.0	0	0	1930.3	
5	DRC I	121	35.9	IS	119.8	851	6796	284.2	
WA7NPS0395	SLOAN CR	48	2.9	H	160.0	0	0	4016.5	
5	DRC I	121	17.3	IS	399.6	14091	51818	77.511	
WA8NPS3212	SUNSET FALLS	47	48.2	HD	2.0	0	0	876.20	
2	DFC I	121	32.8	SP	86.9	7200	63000	13.908	
WA5NPS0410	SUNSET FALLS	47	48.0	H	10.0	0	0	4139.7	
6	DFC I	121	31.8	IS	170.0	63384	236168	17.528	
WA5NPS2653	TROUBLESOME #2	47	55.4	H	90.0	0	0	1319.3	
5	DRC E	121	22.8	IS	599.4	4628	24330	58.226	
WA7NPS0417	TROUBLESOME NO. 1	47	56.0	H	36.0	0	0	1131.3	
2	DFC I	121	20.5	IS	2280.0	7184	30199	37.464	
WA5NPS0416	TROUT CREEK	47	50.6	H	25.0	0	0	1511.8	
2	DFC I	121	26.5	IS	82.0	10014	37314	40.516	







FM 2 ID NO	PROJECT NAME	PRJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	MX. STUR.	INC. CAP.	INC. ENRGY COST	ERC NONECONOMIC
CODE	DR. AREA	AVE. G	PHR. HD.	TOT. CAP.	TOT. ENRGY	ERC COMPOSITE
FILE	(D H.M)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)
STATUS	(D M.M)	(CFS)	(FT)	(KW)	(MWH)	(\$/MWH)
	(SQ. MI)					
WASNP0754	GRAYS RIVER	H	50.0	0	0	2388.0
WAO0699	WAKIADUM	IS	1900	17000	56800	42.43
2 DFC I			229.7	17000	56800	
WAGNPW0486	BLUE CREEK	ICSR	192.0	0	0	2214.2
WAO0052	WALLA WALLA	SI	36000	88	362	6103.1
5 DRC I			173.8	88	362	
WAGNPW0488	ICE HARBOR LOCK AND DAM	H	110.0	603000	2574000	18296
WAO0347	WALLA WALLA	OP	376000	330000	96000	190.58
5 DFC I	DAEN NPW		79.9	933000	2670000	
WAGNPW0487	LOWER MONUMENTAL DAM	H	110.0	932000	2856000	0
WAO0270	WALLA WALLA	OP	376000	0	0	0
5 DFC I	DAEN NPW		100.0	932000	2856000	
WADNPW2674	MILL CREEK DAM	C	23.0	0	0	152.50
WAO0348	WALLA WALLA	OP	15	0	0	223436
5 DRC I	DAEN NPW		13.0	0	0	
WAGNPW0485	TOUCHET	H	260.0	0	0	5745.5
WAO0034	WALLA WALLA	IS	107000	18727	54207	105.99
5 DRC I			246.7	18727	54207	
WAGNP0439	BRIDGE CAMP	H	275.0	0	0	7318.1
WAO0170	WHATCOM	IS	0	22762	110343	66.321
5 DRC I			254.7	22762	110343	
WAGNP03217	CLEARWATER CREEK		0	0	0	0
9 ICT I	WHATCOM		0	0	0	0
WASNP0435	DENING	H	130.0	0	0	8337.2
WAO0165	WHATCOM	IS	50000	46049	203949	40.879
6 DFC D			102.0	46049	203949	

FM 2 ID NO	PH 1 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	DR. AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG/ANUL.	COST	ERC ECONOMIC
CODE	DEP	DEP	DEP	DEP	OWNER	DR. AREA	(D M.M)	(D M.M)	(D M.M)	AVE. Q	AVE. Q	(KW)	(KW)	(MWH)	(1000 \$)	ERC NONECONOMIC
							(CFS)	(AC FT)	(AC FT)	(PW. HD.)	(PW. HD.)	(TOT. ENRG)	(TOT. ENRG)	(MWH)	(S/MWH)	(SEQUENCE RANK)
WAINPS0452	WA00170	S	DFC I	CITY OF SEATTLE	DIARLO DAM	SKAGIT RIVER	48 42.8	121 7.8	1125	HRC	366.0	120000	120000	752000	3983.6	752000
WAINPS2627	WA00176	2	DFC E	EDFRD	EDFRD	S.F. NOOKSACK	48 39.5	122 7.2	103	H	430.0	44349	44349	193171	7337.1	193171
WAGNPS0438	WA00169	2	DFC I	GLACIER	GLACIER	N.F. NOOKSACK	48 54.0	121 51.8	193	H	320.0	65856	65856	267734	6286.1	267734
WAGNPS0450	WA00168	5	DFC I	GORGE LAKE	GORGE LAKE	SKAGIT RIVER	48 41.8	121 12.4	1160	HRC	140.0	137700	175000	915000	4193.3	915000
WASNPS0403	WA00179	2	DFC I	GREEN CREEK DIVERSTON	GREEN CREEK DIVERSTON	M FK NOOKSACK	48 44.3	121 56.3	30	H	20.0	24132	24132	93117	2655.7	93117
WAINPS2632	WA00190	5	DFC E	LAKE CREEK	LAKE CREEK	BAKER RIVER	48 45.7	121 32.6	70	H	420.0	20936	20936	91716	15073	91716
WASNPS0436	WA00167	2	DFC I	MAPLE FALLS	MAPLE FALLS	N.F. NOOKSACK	48 54.6	122 4.6	235	H	80.0	56513	56513	229677	22.238	229677
WAINPS0456	WA03019	2	DFC I	NEWHALEM CREEK	NEWHALEM CREEK	NEWHALEM CR	48 39.6	121 14.7	28	H	10.0	2300	2500	17520	264.73	17520
WAINPS0455	WA01232	2	DFC I	NOOKSACK	NOOKSACK	NOOKSACK R	48 54.3	121 48.4	95	H	10.0	1500	6000	12000	651.24	12000
						PUGET SOUND PWR AND LT				DP	170.0	7500	44000	20.351	44000	

FM 2 ID NO	PROJECT NAME	LAITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG.	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO.	LONGITUDE	STATUS	MX.STOR.	INC. CAP.	INC.ENERG.	ENERGY COST	ERC NONECONOMIC
ACTV CODE	OWNER	DR.AREA	AVE. Q	PHR. HD.	TOT. CAP.	TOT.ENERGY	(1000 \$)	ERC COMPOSITE
FILE		(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(80.MI)		(FT)	(KW)	(MWH)		(SEQUENCE RANK)
WA6NPS2625	N.F. NOOKSACK FALLS	48 54.6	H	275.0	0	0	5404.1	
5 DRC E	WHATCOM	121 47.1	IS	259.7	19957	78591	68.762	
WA6NPS2626	NORTH FORK.	48 54.5	H	340.0	0	0	7920.2	
5 DRC E	WHATCOM	121 46.7	IS	321.6	23842	96749	61.862	
WA4NPS0441	PRICE	48 52.2	H	250.0	0	0	2699.5	
5 DRC I	WHATCOM	121 36.5	IS	239.7	2358	11733	230.7	
WAJNPS0451	ROSS HIGH DAM	48 43.9	HRC	400.0	360000	792000	4989.2	
2 DFC I	CITY OF SEATTLE	121 3.9	OP	140521	292000	403000	12.380	
WA4NPS0445	RUTH DIVERSION	48 54.6	H	180.0	0	0	2423.0	
5 DRC I	WHATCOM	121 35.6	IS	159.8	741	4519	536.18	
WA5NPS2215	SANDY CREEK	48 42.5	H	25.0	0	0	1472.2	
2 DFC I	WHATCOM	121 42.0	SP	85	8900	56200	26.196	
WA7NPS0440	SHUKSAN	48 54.4	H	250.0	0	0	9892.6	
5 DRC I	WHATCOM	121 45.2	IS	569.4	40384	161789	61.144	
WA6NPS0442	SKOKKUM CREEK	48 40.1	H	430.0	0	0	7750.8	
2 DFC S	WHATCOM	122 8.2	IS	425.0	45971	200238	36.708	
WA7NPS0447	SULFIDE CREEK	48 46.9	H	480.0	0	0	11432	
6 DFC D	WHATCOM	121 30.8	IS	476.0	217631	995484	11.484	

PM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	OWNER	LATITUDE	LONGITUDE	DR-AREA	DR-AREA (D M.M)	DR-AREA (M.M)	DR-AREA (SQ.MI)	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST. ENRG ANNUL.	COST	ERC ECONOMIC	INC. CAP.	INC. ENRG ANNUL.	ENERGY COST	ERC NONECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)	(SEQUENCE RANK)	
ACTV DEP	CODE	FILE	STATUS	WASNP2634	WAU0208	5	DRC	E	THUNDER CREEK	WHATCOM	48 37.9	121 3.0	92	H	IS	-559.4	410.0	0	68446	136803	8312.7	60.764	0	0
WASNP0453	WAU0173	5	DRC	I	UPPER BAKER DAM	WHATCOM	48 38.8	121 41.1	211	HRC	295.0	316100	285.0	H	IS	-1271.6	0	94400	230809	0	0	0	0	
WASNP0437	WAU0168	5	DRC	I	WARNICK	WHATCOM	48 54.1	121 58.6	193	H	50.0	0	0	H	IS	-1443.9	46.9	992	8656	2283.5	263.79	0	0	
WASNP02624	WAU0166	6	DRC	E	HELWELME	WHATCOM	48 49.6	122 9.6	400	H	140.0	0	0	H	IS	-2318.3	120.0	37106	164213	7151.9	43.552	0	0	
WASNP0444	WAU0180	5	DRC	I	WELLS CREEK	WHATCOM	48 52.9	121 46.6	21	H	220.0	0	0	H	IS	-157.1	199.8	3480	17168	2669.4	135.48	0	0	
WASNP0446	WAU0182	5	DRC	I	WHATCOM CREEK #2	WHATCOM	48 45.1	122 28.0	64	H	40.0	0	0	H	IS	-169.7	39.9	105	905	900.66	994.39	0	0	
WASNP02628	WAU0183	5	DRC	E	WHATCOM CREEK 1	WHATCOM	48 45.1	122 25.6	56	H	37.0	0	0	H	IS	-148.5	249.7	3970	18124	1044.7	57.642	0	0	
WASNP0490	WAU0055	5	DRC	I	ELBERTON	PRIVATE	46 57.6	117 13.0	495	ICR	210.0	0	0	ICR	SI	360.0	197.8	20272	29937	5205.7	173.69	0	0	
WASNP0470	WAU0548	5	DRC	I	AMERICAN RIVER	YAKIMA	46 59.2	121 5.9	189	H	188.0	0	0	H	IS	-876.8	177.8	22641	82963	4219.5	50.860	0	0	

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. Q	PWR. MD.	TOT. CAP.	TOT. ENRG	(1000 B)	ERC COMPOSITE
CODE		(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(D.M.M)	(CFS)	(AC FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS		(SR.MI)	(CFS)	(AC FT)	(KW)	(MWH)		(SEQUENCE RANK)
WA7NPS0475	BEAR CR	47 4.5	H	80.0	0	0	2562.2	
WAU0558	YAKIMA	121 14.8	IS	0	3719	19320	132.62	
5 DRC I		42		239.7	3719	19320		
WA4NPS2657	BELOW ELEV 1765	46 46.0	H	155.0	0	0	3076.0	
WAU0541	YAKIMA	120 50.2	IS	0	23025	66392	46.331	
5 DRC E		640		146.8	23025	66392		
WA5NPP0756	BIG MUDDY	46 6.9	H	90.0	0	0	2551.2	
WAU0618	YAKIMA	121 16.9	IS	1500	15500	119000	21.439	
6 DFC E		253		339.6	15500	119000		
WA6NPS0478	BUMPING LAKE	46 52.8	ICR	36.0	0	0	182.83	
WAU0263	YAKIMA	121 16.9	OP	37700	1080	5664	32.280	
2 DFC E	DOI USBR	69		33.0	1080	5664		
WA6NPS0472	BUMPING LAKE ENLARGEMENT	46 52.1	DCRI	223.0	0	0	8353.3	
WAU0553	YAKIMA	121 17.8	IS	458000	7304	41070	203.39	
2 DFC D		69		223.0	7304	41070		
WA7NPS2658	BUMPING LAKE ELEVATION 3165	46 56.7	H	255.0	0	0	7697.4	
WAU0549	YAKIMA	121 11.3	IS	0	20163	73114	105.27	
5 DRC E		69		446.5	20163	73114		
WA6NPS0465	BUMPING RATTLESNAKE RTLSNK C	46 49.1	H	175.0	0	0	5105.0	
WAU0543	YAKIMA	120 55.6	IS	130000	23683	67323	75.828	
5 DRC I		583		159.8	23683	67323		
WA5NPS0467	BUMPING RIVER	46 55.9	H	230.0	0	0	5228.6	
WAU0545	YAKIMA	121 3.0	IS	0	55640	66842	60.208	
5 DRC I		385		274.7	55640	66842		
WA5NPP0758	CASTLE FORD	46 15.5	H	10.0	0	0	1335.5	
WAU0744	YAKIMA	121 15.0	IS	1	3163	20307	65.765	
5 DRC D		130		279.7	3163	20307		

PM 2 ID NO	PROJECT NAME	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL.	COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO. NAME OF STREAM	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NONECONOMIC
CODE	DR. AREA	AVE. G	PRR. HD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
FILE	(D.M.M.)	(CFS)	(FT)	(KW)	(MWH)	(9/MWH)	(SEQUENCE RANK)
STATUS	(S.O.H.)	(CFT)	(FT)	(KW)	(MWH)		(SEQUENCE RANK)
WACNPS0479	CLEAR LAKE	IR	57.0	0	0	182.48	
WAO0264	YAKIMA	OP	660	1526	6720	27.153	
2 DRC I	DOI USBR		49.9	1526	6720		
WAAWPS0460	COMYCHE CANYON	H	22.0	0	0	417.28	
WAO0537	YAKIMA	IS	0	3055	12000	34.773	
2 DFC I			20.0	3055	12000		
WASNPS0476	CROW CREEK	H	320.0	0	0	4804.4	
WAO0559	YAKIMA	IS	0	5682	26670	180.14	
5 DRC I			389.6	5682	26670		
WATNPS0471	DEAD HORSE HILL	H	200.0	0	0	5216.6	
WAO0550	YAKIMA	IS	0	21790	82393	63.314	
5 DRC E			379.6	21790	82393		
WABNPS2660	GOOSE PRAIRIE	H	296.0	0	0	21959	
WAO0552	YAKIMA	IS	0	17168	46975	467.47	
5 DRC E			259.7	17168	46975		
WABNPS0463	HORSESHOE BEND	H	20.0	0	0	1136.2	
WAO0540	YAKIMA	IS	0	4	41	27117	
5 DRC E			17.9	4	41		
WASNPS0474	KANER FLAT	H	270.0	0	0	8035.5	
WAO0555	YAKIMA	IS	0	64101	117310	68.498	
5 DRC D			304.6	64101	117310		
WATNPP0757	KLICKITAT RESERVOIR	H	242.0	0	0	3677.7	
WAO0630	YAKIMA	IS	163500	4400	19200	191.54	
5 DFC D			319.6	4400	19200		
WASNPP0759	LAKES	H	10.0	0	0	1436.1	
WAO0760	YAKIMA	IS	1	11000	48100	29.857	
2 DFC I			687.3	11000	48100		

PM 2 ID NO	FM 1 ID NO	ACTV CODE	FILE STATUS	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	DR.AREA	DR. AREA (D M.M)	DR. AREA (SQ.MI)	PROJ.PURP.	DAM HT	EXIST. CAP.	INC. CAP.	TOT. CAP.	EXIST. ENRG.	INC. ENRG.	TOT. ENRG.	ANNUAL ENERGY COST	ERC ECONOMIC	
WATNPS0760				MCCREEDY CREEK	YAKIMA		46 18.9	121 15.0	86			H	135.0	0	2441	18182	0	0	18182	2637.6	ERC ECONOMIC	
5 DRC D				KLICKITAT RIV						185.0	334.6	IS	16500	2441	2441	18182	0	0	18182	156.6	ERC ECONOMIC	
WAKNPS0482				NACHES DROP			46 43.9	120 40.6	0			H	0	1400	4	4	0	0	4	0	ERC ECONOMIC	
5 DRC I				NACHES RIVER						0	0	OP	0	0	0	0	0	0	0	0	ERC ECONOMIC	
				PACIFIC PWR AND LT CO						-0.14	53.0			1400	4	4					ERC ECONOMIC	
WAKNPS0481				NACHES HYDRO.			46 41.9	120 39.0				H	0	6370	33500	0	0	33500	0	0	ERC ECONOMIC	
5 DFC I				NACHES R						-1229.4	152.0	DP	0	6370	33500	0	0	33500	0	0	ERC ECONOMIC	
				PACIFIC PWR AND LT CO										6370	33500	0	0	33500	0	0	ERC ECONOMIC	
WASNPS2662				NACHES MEADOWS DIVERSION			47 2.7	121 11.6	64			H	50.0	0	12819	57599	0	0	57599	2864.5	ERC ECONOMIC	
2 DFC I				LITTLE NACHES						-270.7	422.0	IS	0	12819	57599	0	0	57599	49.733	ERC ECONOMIC		
WAKNPS2661				PILEUP CREEK			47 2.5	121 10.7	79			H	260.0	0	18654	50574	0	0	50574	10530	ERC ECONOMIC	
5 DRC E				YAKIMA						-334.5	249.7	IS	0	18654	50574	0	0	50574	208.22	ERC ECONOMIC		
WATNPS0473				PLEASANT VALLEY			46 57.9	121 15.3	72			H	370.0	0	30143	169670	0	0	169670	11287	ERC ECONOMIC	
5 DFC E				AMERICAN RIVER						-304.6	882.0	IS	0	30143	169670	0	0	169670	66.528	ERC ECONOMIC		
WATNPS0462				RATTLESNAKE			46 46.0	120 50.1	640			H	217.0	0	31288	150836	0	0	150836	6365.8	ERC ECONOMIC	
6 DFC I				YAKIMA						-846.0	320.0	IS	0	31288	150836	0	0	150836	42.203	ERC ECONOMIC		
WAKNPS0464				ROCK CREEK			46 47.0	120 51.9	600			H	22.0	0	35	308	0	0	308	1254.6	ERC ECONOMIC	
5 DRC E				YAKIMA						-1128.2	19.9	IS	0	35	308	0	0	308	4072.8	ERC ECONOMIC		
WAKNPS0485				ROZA			46 44.9	120 27.8	800			HI	67.0	12000	50000	0	0	50000	0	0	ERC ECONOMIC	
5 DFC I				YAKIMA						-2484.5	162.0	DP	0	12000	50000	0	0	50000	0	0	ERC ECONOMIC	
				BUREAU OF RECLAMATION										12000	50000	0	0	50000	0	0	ERC ECONOMIC	



... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF WEST VIRGINIA

POTENTIAL INCREMENTAL CAPACITY RANGES															
	5 MW	10 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW	15 MW
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
	INST	POTEN	INCR	INST	POTEN	INCR	INST	POTEN	INCR	INST	POTEN	INCR	INST	POTEN	INCR
	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP	4 CAP	1 CAP	2 CAP	3 CAP
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3
0-19	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
20-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50-99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

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PHYSICAL POTENTIAL FOR ADDITIONAL HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF WEST VIRGINIA

Table with columns: H, A, D, I, N, F, E, T, I, N, G, I, N, C, R, A, S, E, X, I, S, T, I, N, C, R, P, O, T, E, N, T, I, A, L, C, A, P, A, C, I, T, Y, R, A, N, G, E, S, 0.05 MW = 15 MW, 15 MW = 25 MW, GREATER THAN 25 MW, TOTAL, NUMBER, CAPACITY, ENERGY, UNDEVELOPED POTENTIAL, EXISTING POTENTIAL, INSTANTANEOUS POTENTIAL, INCREMENTAL POTENTIAL, TOTAL POTENTIAL, UNDEVELOPED ENERGY, EXISTING ENERGY, INSTANTANEOUS ENERGY, INCREMENTAL ENERGY, TOTAL ENERGY.

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3) COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT) COLUMN 3 = UNDEVELOPED POTENTIAL ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

FM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG.	ANNUAL COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO. OWNER	DR AREA	DR AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG.	ENERGY COST	ERC NONECONOMIC
CODE	OWNER	(D M M)	(D M M)	AVE. Q	(FT)	TOT. CAP.	TOT. ENRG.	(1000 \$)	(SEQUENCE RANK)
FILE		(D M M)	(D M M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
STATUS		(SQ. MI)	(SQ. MI)		(FT)	(KW)	(MWH)		(SEQUENCE RANK)
WA6NP92659	SCAR CREEK	46 54.0	121 14.9	H	428.0	0	0	30330	
5 DRC E	YAKIMA BUMPING RIVER	121 14.9	88	IS	-372.7	53061	98522	309.88	
WASNPP0761	SODA SPRINGS	46 21.9	121 11.0	H	100.0	0	0	1613.4	
5 DFC D	YAKIMA DIAMOND FORK	121 11.0	38	IS	69.3	8100	35700	45.194	
WACNPS0480	TIETON DAM (RIMROCK LAKE)	46 39.4	121 7.6	ICR	192.0	0	0	770.49	
2 DFC E	YAKIMA TIETON RIVER	121 7.6	187	DP	-514.8	8008	37030	20.807	
WADNPS0469	TIETON DAM DIVERSION	46 39.3	121 7.7	H	202.0	0	0	4026.7	
2 DFC D	YAKIMA TIETON RIVER	121 7.7	187	IS	-513.1	28100	129900	30.998	
WAKNPS0483	WAPATO DAM-DROP NO. 2	46 26.9	120 32.0	HI	0	2000	0	0	
5 DRC I	YAKIMA BUREAU OF INDIAN AFFAIR	120 32.0	0	DP	0.0	2000	0	0	
WAKNPS0484	WAPATO DAM-DROP NO. 3	46 25.4	120 33.5	HI	0	1360	1	0	
5 DRC I	YAKIMA BUREAU OF INDIAN AFFAIR	120 33.5	0	DP	0.0	1360	1	0	
WACNPS3120	WENAS LAKE	46 48.8	120 40.1	IR	43.0	0	0	40.887	
5 DRC I	YAKIMA WENAS CREEK	120 40.1	110	DP	-54.1	10	89	456.91	
WASNPP0762	WEST FORK NUMBER 1	46 15.0	121 15.0	H	17.0	0	0	2051.3	
2 DFC I	YAKIMA WEST FORK/KLI	121 15.0	83	IS	290.0	20600	90200	22.742	
WASNPP0763	WEST FORK NUMBER 2	46 15.0	121 15.0	H	10.0	0	0	999.30	
5 DRC D	YAKIMA KLICKITAT RIV	121 15.0	151	IS	325.0	2230	14318	69.789	





PM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	DR. AREA	(D M M)	(D M M)	(SQ. MI)	STATUS	AVE. G	(CFS)	(AC FT)	(AC FT)	(FT)	(FT)	(KW)	(KW)	(KW)	EXIST. CAP.	INC. CAP.	TOT. CAP.	TOT. ENERGY	EXIST. ENRG. ANUL. COST	INC. ENRG. COST	TOT. ENRG. COST	(1000 \$)	(\$/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
WV6DRH0085	5	DRC I	5	GREENBRIER	UDP	GREENBRIER	37 47.9	80 22.0	37	47.9	80	22.0	974	1558.0	240.7	125.0	911423	180207	180207	0	0	0	0	0	210506	210506	0	0	6459.4	30.666			
WV6DRH0086	5	DRC I	5	GREENBRIER	UDP	ANTHONY CREEK	37 54.0	80 18.0	37	54.0	80	18.0	144	216.0	189.8	520.0	301000	2516	2516	0	0	0	0	0	9909	9909	0	0	6239.3	629.64			
WV6NAB0172	5	SCP I	5	EDES FORT	HAMPSHIRE	CACAPON	39 49.9	78 20.0	39	49.9	78	20.0	679	660.0	238.8	276.0	44000	26214	26214	0	0	0	0	0	65647	65647	0	0	7235.0	110.21			
WV6NAB0173	5	DRC I	5	SPRINGFIELD	HAMPSHIRE	S BR POTOMAC	39 42.0	78 35.0	39	42.0	78	35.0	1486	1486.0	201.7	230.0	121500	129427	129427	0	0	0	0	0	156205	156205	0	0	11461	74.329			
WVADRP0151	2	DRC I	2	NEW CUMBERLAND	HANCOCK	L/D OHIO RIVER	40 31.5	80 37.5	40	31.5	80	37.5	23673	37230.0	17.0	64.0	0	44000	44000	0	0	0	0	0	230000	230000	0	0	5324.9	23.151		1002	
WV6DRP0154	5	DRC I	5	ELK CREEK	HARRISON	ELK CREEK	39 13.4	80 18.0	39	13.4	80	18.0	76	-114.4	62.9	1037.8	86000	0	0	0	0	0	0	0	0	0	0	0	40777	3087438			
WV6DRP0153	5	DRC I	5	TEN MILE CREEK	HARPISON	TEN MILE CREEK	39 21.2	80 23.8	39	21.2	80	23.8	70	-105.3	53.9	96.3	40000	0	0	0	0	0	0	0	0	0	0	0	1397.5	135084			
WVGNAB0168	2	DRC I	2	MILLVILLE	JEFFERSON	SHEMANDOAH	39 25.0	77 45.0	39	25.0	77	45.0	3040	3000.0	24.5	26.0	0	6149	8989	2840	6149	8989	0	0	0	0	0	553.26	41.333		1002		
WV6DRH0087	5	DRC I	5	CLENDENN LAKE	KANAWHA	RIG SANDY CREEK	38 29.0	81 20.9	38	29.0	81	20.9	94	141.0	83.9	95.0	70200	0	0	0	0	0	0	0	0	0	0	0	750.43	216307			

FM 2 ID NO	PROJECT NAME	DR AREA	LONGITUDE	LATITUDE	PROJ. PUMP	DAM HY	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	
FM 1 ID NO	PRIMARY CO. NAME	DR AREA	LONGITUDE	LATITUDE	PROJ. PUMP	DAM HY	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	
ACTV DEP	OWNER	DR AREA	LONGITUDE	LATITUDE	PROJ. PUMP	DAM HY	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	
FILE	STATUS	DR AREA	LONGITUDE	LATITUDE	PROJ. PUMP	DAM HY	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	
STATUS	FILE	DR AREA	LONGITUDE	LATITUDE	PROJ. PUMP	DAM HY	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	
WV6DRH0090	WVU0256	2 DFC	38 11.4	81 22.1	8490	12684.0	19.2	42.0	90400	498.80	
WV6DRH0091	WVU0257	2 DRC	38 15.1	81 33.5	13171.0	22.3	37.0	42.0	90400	498.80	
WV6DRH0092	WVU0267	5 DRC I	38 27.0	81 48.0	198.0	80.9	119.0	105600	0	2901.2	
WV6DRH0098	WVU0227	5 DRC I	38 24.0	81 31.0	60.0	284.7	310.0	0	0	1147.2	
WV6DRH0089	WVU0228	5 DRC I	38 17.9	81 18.9	45.0	374.6	400.0	0	0	3287.3	
WV6DRH0093	WVU0255	2 DFC	38 40.6	82 11.1	53300	13.8	44.0	0	0	6057.7	
WV6DRH0094	WVU0258	2 DFC	38 55.0	81 54.7	60195.0	19.1	50.0	0	0	4911.7	
WV6DRH0095	WVU0266	5 DRC I	37 25.4	81 52.1	24	28.0	200.0	16880	92	1417.4	
WV6DRH0090	LONDON L+D	2 DFC	38 11.4	81 22.1	8490	12684.0	19.2	42.0	90400	498.80	2004
WV6DRH0091	MARMET L+D	2 DRC	38 15.1	81 33.5	N		37.0	0	86475	1541.0	2004
WV6DRH0092	POCOTALICO LAKE	5 DRC I	38 27.0	81 48.0	CRSD	198.0	119.0	0	0	2901.2	2004
WV6DRH0098	UDP	5 DRC I	38 24.0	81 31.0	CHO		310.0	0	0	1147.2	
WV6DRH0089	UDP	5 DRC I	38 17.9	81 18.9	IS		400.0	0	0	3287.3	
WV6DRH0093	GALLI POLIS L + D	2 DFC	38 40.6	82 11.1	N		44.0	0	0	6057.7	1002
WV6DRH0094	RACINE L+D	2 DFC	38 55.0	81 54.7	NR		50.0	0	0	4911.7	1002
WV6DRH0095	PANTHER CREEK LAKE	5 DRC I	37 25.4	81 52.1	CRD		200.0	0	0	1417.4	

FM 2 ID NO	FM 1 ID NO	ACTV DEP	FILE CODE	STATUS	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	STATUS	AVE. Q	PHR. HD.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	ERC NON-ECONOMIC	ERC COMPOSITE	(SEQUENCE RANK)	(SEQUENCE RANK)	(SEQUENCE RANK)
								DR. AREA	(D M. M)	(CFS)	(PT)	(AC FT)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)	(KWH)
					SPANISHBURG LAKE	MERCER	BLUESTONE RIV	37 28.0	81 7.0	CRSD	18	210.400	139.0	2857	0	2857	11536	0	2902.5	251.59				
5		DRC I						232		292.0		92.9		2857	0	2857	11536	0	2902.5	251.59				
					BEAVER HOLE	MONONGALIA	CHEAT RIVER	39 37.0	79 47.5	H		325.0		0	0	0	0	0	14777					
2		DRC I						1361		2675.4		308.9		347990	0	347990	501479	0	14777	29.468				2005
					HILDEBRAND L/D	MONONGALIA	MONONGAHELA R	39 34.9	80 0.7	N		64.0		0	0	0	0	0	956.41					
2		DRC I						2544		4320.0		20.9		10504	0	10504	40860	0	956.41	23.406				1002
					MORGANTOWN L/D	MONONGALIA	MONONGAHELA R	39 37.1	79 58.0	OP		36.0		0	0	0	0	0	773.33					
2		DRC I						2648		4480.0		16.9		6678	0	6678	29999	0	773.33	25.778				1002
					OPEKISKA L/D	MONONGALIA	MONONGAHELA R	39 33.7	80 3.0	OP		52.0		0	0	0	0	0	951.0					
2		DRC I						2530		4300.0		21.9		10757	0	10757	42232	0	951.0	22.518				1002
					MONTOE	MONTOE	SECOND CREEK	37 35.9	80 28.9	HDC		300.0		0	0	0	0	0	2938.5					
5		DRC I						49		74.0		284.7		1682	0	1682	6669	0	2938.5	440.58				
					INDIAN CREEK	MONTOE	INDIAN CREEK	37 30.0	80 46.0	HD		145.0		0	0	0	0	0	1558.6					
5		DRC I						151		227.0		136.8		2950	0	2950	12075	0	1558.6	129.6				
					MEADOW RIVER RESERVOIR	NICHOLAS	MEADOW RIVER	38 5.9	80 56.9	CRD		330.0		0	0	0	0	0	6992.1					
5		DRC I						322		689.0		277.7		84930	0	84930	99596	0	6992.1	70.204				
					SUMMERSVILLE	NICHOLAS	GAULEY RIVER	38 13.2	80 53.3	CRD		390.0		0	0	0	0	0	4198.8					
2		DRC						803		2220.0		261.7		165000	0	165000	415000	0	4198.8	10.117				1001









FM 2 ID NO	FM 1 ID NO	ACTY DEP	FILE	STATUS	PROJECT NAME	PRIMARY CD.	NAME OF STREAM	LONGITUDE	DR AREA	(D M M)	(D M M)	(SD MI)	LATITUDE	PROJ PURP.	STATUS	AVE. Q	PMR. MD.	AMX. STOR.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC	
								(FT)	(AC FT)	(KW)	(MWH)	(1000 \$)													
								(CFS)	(FT)	(KW)	(MWH)	(1000 \$)													
WV40RH0123	5	DRC I		UDP	GAULEY RIVER	WEBSTER		38 24.0	80 26.0	61		151.0	324.6	HC	IS	13789	0	28391	0	28391	0	4815.9	169.62		
WV60RH0120	2	DRC I		UDP	ELK RIVER	WEBSTER		38 28.0	80 7.9	273		716.0	188.8	C	IS	67000	0	79000	0	79000	0	4575.9	57.923		2005
WV60RH0121	5	DRC I		UDP	ELK RIVER	WEBSTER		38 29.0	80 18.9	167		438.0	203.7	CHD	IS	24273	0	48519	0	48519	0	4237.7	87.339		
WV60RH0122	5	DRC I		UDP	GAULEY-ELK RIVER	WEBSTER		38 24.0	80 26.0	61		75.0	829.1	H	IS	71192	0	78667	0	78667	0	6250.9	79.460		
WV60RH0124	5	DRC I		UDP	GAULEY RIVER	WEBSTER		38 17.9	80 33.0	220		503.0	204.7	CO	IS	58570	0	68700	0	68700	0	4804.7	69.938		
WVADRP0173	2	DFC I		HANNIBAL LOCKS AND DAM	OHIO RIVER	NETZEL		39 39.2	80 51.7	25967		39640.0	18.7	N	OP	44000	0	230000	0	230000	0	5000.4	21.741		1002
WVADRH0126	2	DFC		RELIEVILLE LAD	OHIO RIVER	WOOD		39 5.9	81 44.3	39350		59025.0	32.5	NR	OP	50000	0	255000	0	255000	0	3903.2	15.307		1002
WVCDRH0127	2	DFC I		R.D. BAILEY	GUYANDOTTE RIVER	WYOMING		37 30.0	81 50.0	540		768.0	140.8	CRD	UC	17730	0	53000	0	53000	0	1089.0	20.547		1001

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF WISCONSIN

Table with columns for site number, capacity, energy, and various potential capacity ranges (5 MW, 10 MW, 15 MW, 0.05 MW, 15 MW). Rows include site details like '0-19' and '20-49'.

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3) COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS CAPACITY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT) COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PRELIMINARY ESTIMATE . . .

# PHYSICAL POTENTIAL FOR ADDITIONAL HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF WISCONSIN

COUNTY	POTENTIAL INCREMENTAL CAPACITY RANGES										
	0-5 MW	5-10 MW	10-15 MW	15-25 MW	25-50 MW	50-100 MW	100-200 MW	200-500 MW	500-1000 MW	GREATER THAN 25 MW	TOTAL
ADAMS	26	4	0	0	0	0	0	0	0	0	4
AUGUSTA	50	0	0	0	0	0	0	0	0	0	50
BARRETT	248	85	4	0	0	0	0	0	0	0	333
BREMEN	26	4	0	0	0	0	0	0	0	0	30
BROWN	26	4	0	0	0	0	0	0	0	0	30
BUCHANAN	26	4	0	0	0	0	0	0	0	0	30
CHANDLER	26	4	0	0	0	0	0	0	0	0	30
CHESTER	26	4	0	0	0	0	0	0	0	0	30
COLUMBIA	26	4	0	0	0	0	0	0	0	0	30
DANE	26	4	0	0	0	0	0	0	0	0	30
DODGE	26	4	0	0	0	0	0	0	0	0	30
DUNBAR	26	4	0	0	0	0	0	0	0	0	30
EAU CLAIRE	26	4	0	0	0	0	0	0	0	0	30
GREEN	26	4	0	0	0	0	0	0	0	0	30
IRON	26	4	0	0	0	0	0	0	0	0	30
JACKSON	26	4	0	0	0	0	0	0	0	0	30
JANESVILLE	26	4	0	0	0	0	0	0	0	0	30
KEOSAUQUO	26	4	0	0	0	0	0	0	0	0	30
KOSHONG	26	4	0	0	0	0	0	0	0	0	30
LAC LA PORTE	26	4	0	0	0	0	0	0	0	0	30
LADYSMITH	26	4	0	0	0	0	0	0	0	0	30
LEWIS	26	4	0	0	0	0	0	0	0	0	30
LINCOLN	26	4	0	0	0	0	0	0	0	0	30
MANITOWISH	26	4	0	0	0	0	0	0	0	0	30
MARSH	26	4	0	0	0	0	0	0	0	0	30
MATCHESSA	26	4	0	0	0	0	0	0	0	0	30
MONROE	26	4	0	0	0	0	0	0	0	0	30
MUSKOGEE	26	4	0	0	0	0	0	0	0	0	30
NESHOTWING	26	4	0	0	0	0	0	0	0	0	30
NORTHERN	26	4	0	0	0	0	0	0	0	0	30
NORTH	26	4	0	0	0	0	0	0	0	0	30
OSHTOSH	26	4	0	0	0	0	0	0	0	0	30
OUTAGOUE	26	4	0	0	0	0	0	0	0	0	30
PENNINGTON	26	4	0	0	0	0	0	0	0	0	30
PERRY	26	4	0	0	0	0	0	0	0	0	30
POTTER	26	4	0	0	0	0	0	0	0	0	30
PULASKI	26	4	0	0	0	0	0	0	0	0	30
RACINE	26	4	0	0	0	0	0	0	0	0	30
REMNANT	26	4	0	0	0	0	0	0	0	0	30
ROCK	26	4	0	0	0	0	0	0	0	0	30
STURGEON	26	4	0	0	0	0	0	0	0	0	30
TAYLOR	26	4	0	0	0	0	0	0	0	0	30
TOWNSHIP	26	4	0	0	0	0	0	0	0	0	30
VERMILION	26	4	0	0	0	0	0	0	0	0	30
WATERVILLE	26	4	0	0	0	0	0	0	0	0	30
WAUKESHA	26	4	0	0	0	0	0	0	0	0	30
WINNEBAGO	26	4	0	0	0	0	0	0	0	0	30
WINNECHESSA	26	4	0	0	0	0	0	0	0	0	30
WOOD	26	4	0	0	0	0	0	0	0	0	30
YORK	26	4	0	0	0	0	0	0	0	0	30
TOTAL	116	75	4	0	0	0	0	0	0	0	191
EXISTING	116	75	4	0	0	0	0	0	0	0	191
UNDEVELOPED	497	263	12	0	0	0	0	0	0	0	762
INCR 1 CAP	203	63	0	0	0	0	0	0	0	0	266
INCR 2 CAP	48	0	0	0	0	0	0	0	0	0	48
INCR 3 CAP	203	63	0	0	0	0	0	0	0	0	266
INCR 4 CAP	48	0	0	0	0	0	0	0	0	0	48
TOTAL	116	75	4	0	0	0	0	0	0	0	191
EXISTING	116	75	4	0	0	0	0	0	0	0	191
UNDEVELOPED	497	263	12	0	0	0	0	0	0	0	762
INCR 1 CAP	203	63	0	0	0	0	0	0	0	0	266
INCR 2 CAP	48	0	0	0	0	0	0	0	0	0	48
INCR 3 CAP	203	63	0	0	0	0	0	0	0	0	266
INCR 4 CAP	48	0	0	0	0	0	0	0	0	0	48

### LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
COLUMN 3 = UNDEVELOPED POTENTIAL  
COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
CAPTY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANNUAL COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. -NAME OF STREAM	DR-AREA	DR-AREA	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ENERGY COST	ERC NON-ECONOMIC
ACTV CODE	OWNER	(D M.M)	(D M.M)	AVE. Q	#PWR. MD.	TOT. CAP.	TOT. ENRG	(1000 \$)	ERC COMPOSITE
FILE		(SQ. MI)	(AC FT)	(CFS)	(FT)	(KW)	(MWH)	(8/MWH)	(SEQUENCE RANK)
STATUS									(SEQUENCE RANK)
WIINCS0194	CASTLE ROCK 2WP724	43 54.0	48.0	HCR	240960	25943	97572	1965.0	1005
WI00724	ADAMS WISCONSIN	89 57.2	39.2	OP	40943	40943	27575	71.239	1005
2 DRC I	WI RIVER POWER CO	6845	-5748.7				125147		
WIINCS0196	WHITE R. 1893C99	46 29.9	26.5	HR	3000	3000	5190	0	
WI00725	ASHLAND WHITE	90 54.4	670	OP	0	0	0	0	
2 DRC I	LAKE SUPERIOR DIST PWR	320	50.0		1000	1000	5190		
WIGNCC0215	DEPERE	44 27.0	13.0	DH	1122	1122	9264	0	1013
WIU0140	BROWN FOX	88 3.0	8240	OP	0	0	0	0	
1 DRC I	DAEN NCC	6240	7.0		1122	1122	9264		1013
WIINCS0205	CLAM RIVER	45 56.8	0	HR	1200	1200	7366	0	
WI00004	BURNETT CLAM	92 32.3	5600	OP	0	0	0	0	
2 DRC I	NW WISE ELEC CO	378	35.0		1200	1200	7366		
WIINCS0204	DANBURY	45 59.8	0	HR	1076	1076	5439	0	
WI00003	BURNETT YELLOW	92 22.4	1150	OP	0	0	0	0	
2 DRC I		310	30.0		1076	1076	5439		
WIINCS0212	CHIPPEWA FALLS WP304	44 55.8	30.0	HR	21600	21600	80591	0	
WI00731	CHIPPEWA CHIPPEWA	91 23.2	4800	OP	0	0	0	0	
2 DRC I	NORTHERN STATES POWER CO	5550	30.0		21600	21600	80591		
WIINCS0980	CORNELL 1903C178	45 09.8	48.0	H	30900	30900	95301	0	
WI00728	CHIPPEWA CHIPPEWA	91 09.5	22280	OP	0	0	0	0	
2 DRC I	NORTHERN STATES POWER CO.	4860	38.0		30900	30900	95301		
WIINCS0213	HOLCOMBE 2WP723	45 13.4	57.0	HR	33750	33750	112085	0	
WI00732	CHIPPEWA CHIPPEWA	91 7.7	72000	OP	0	0	0	0	
2 DRC I	NORTHERN STATES POWER CO	4700	45.0		33750	33750	112085		
WIINCS0979	JIM FALLS 1903C172	45 03.5	65.0	H,R	14400	14400	91032	1623.9	1971
WI00729	CHIPPEWA CHIPPEWA	91 16.0	21450	OP	26120	26120	42431	38.272	1971
2 DRC I	NORTHERN STATES POWER CO.	4891	54.0		40520	40520	133464		1971

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG ANUL. COST	ERC ECONOMIC	
ACTV DEP	OWNER	NAME OF STREAM	DR. AREA	DR. AREA	DR. AREA	STATUS	PK. STOR.	INC. CAP.	INC. ENRG ANUL. COST	ERC NONECONOMIC	
CODE	OWNER	NAME OF STREAM	(D.M.M)	(D.M.M)	(D.M.M)	AVE. Q	(FT)	(KW)	TOT. ENRG	ERC COMPOSITE	
FILE	OWNER	NAME OF STREAM	(S.G.MI)	(S.G.MI)	(S.G.MI)	(CFS)	(AC FT)	(KW)	(1000 S)	(SEQUENCE RANK)	
STATUS	OWNER	NAME OF STREAM	(S.G.MI)	(S.G.MI)	(S.G.MI)	(CFS)	(AC FT)	(KW)	(S/MMH)	(SEQUENCE RANK)	
WIINCS0211	WISCONSIN	CHIPPWA	44 56.2	91 20.4	57.0	HR	57.0	3280	14690	628.11	1962
WI00730	CHIPPWA	CHIPPWA	91 20.4	226340	13287	DP	226340	13287	47.272	1962	1962
2	NORTHERN STATES POWER CO	CHIPPWA	5548	4943.0	57.0	DP	4943.0	4943	159377	1962	1962
WIINCS0215	WISCONSIN	CHIPPWA	43 37.6	89 46.9	9600	HR	9600	9600	68487	997.15	1031
WI00005	WISCONSIN	CHIPPWA	89 46.9	7877	24.0	DP	24.0	22084	21566	46.236	1031
2	WYI.	CHIPPWA	7877	-6643.4	24.0	DP	-6643.4	22084	90094	46.236	1031
WIINCS0221	WISCONSIN	CHIPPWA	44 52.6	91 55.8	6000	H	60.0	6000	29011	0	1954
WI00734	RED CEDAR	RED CEDAR	91 55.8	12000	46.1	DP	12000	0	0	0	1954
2	NORTHERN STATES POWER CO	RED CEDAR	1690	1065.0	46.1	DP	1065.0	6000	29011	0	1954
WIINCS0222	WISCONSIN	CHIPPWA	44 53.0	91 55.6	42.0	HR	42.0	5400	15529	0	1954
WI00735	RED CEDAR	RED CEDAR	91 55.6	20500	34.3	DP	20500	0	0	0	1954
2	NORTHERN STATES POWER CO	RED CEDAR	1760	1134.0	34.3	DP	1134.0	5400	15529	0	1954
WIINCS9033	DELAWARE	CHIPPWA	44 49.5	91 30.7	31.0	HR	31.0	8400	33302	1139.0	1954
WI00736	CHIPPWA	CHIPPWA	91 30.7	12000	27.0	DP	12000	16255	25776	44.190	1954
2	CITY OF EAU CLAIRE	CHIPPWA	5752	5179.0	27.0	DP	5179.0	24655	79078	44.190	1954
WIGNC0217	WISCONSIN	CHIPPWA	45 49.7	88 15.6	104.0	HR	104.0	4000	17952	258.98	2027
WI00738	PINE RIVER	PINE RIVER	88 15.6	2560	80.0	DP	2560	2110	2082	124.35	2027
1	MI - MI POWER CO	PINE RIVER	520	-423.0	80.0	DP	-423.0	6110	20035	124.35	2027
WIGNCS9034	THORNAPPLE	FLAMBEAU	45 24.6	91 13.0	25.0	HR	25.0	1400	9995	0	2027
WI00792	FUSK	FLAMBEAU	91 13.0	1797.0	14.0	DP	1797.0	0	0	0	2027
2	LAKE SUPERIOR DIST POWER	FLAMBEAU	1965	1797.0	14.0	DP	1797.0	1400	9995	0	2027
MIINCE0058	SUPERIOR FALLS DAM	SUPERIOR FALLS DAM	46 33.7	90 24.4	140.0	H	140.0	1800	13938	1192.0	2021
WI00528	GOSBIC	MONTREAL RIVER	90 24.4	900	135.0	DP	900	23734	15909	74.924	2021
2	LAKE SUPERIOR DIST PWR C	MONTREAL RIVER	280	-351.5	135.0	DP	-351.5	25534	29848	74.924	2021
WIINCS0982	BLACK RIVER FALLS	BLACK RIVER FALLS	44 17.7	90 50.8	35.0	H	35.0	920	4223	0	2021
WI00043	JACKSON	BLACK RIVER FALLS	90 50.8	4000	18.0	DP	4000	0	0	0	2021
5	CITY OF BLACK RIVER FALLS	BLACK RIVER FALLS	1674	1253.0	18.0	DP	1253.0	920	4223	0	2021



FM 2 ID NO	ACTV DEP	FILE	STATUS	WIINCS0233	WI00016	2 DRC I	WIINCS0235	WI00740	2 DRC I	WIINCS0246	WI00748	2 DRC I	WIINCS0241	WI00743	2 DRC I	WIINCS0245	WI00747	2 DRC I	WIINCS0242	WI00744	5 DRC I	WIINCS0240	WI00742	5 DRC I	WIINCS0244	WI00746	2 DRC I	WIINCS0249	WI00750	2 DRC I	
				HAYFIELD	JACKSON	BLACK	PETENWELL	JUNEAU	WI RIVER POWER CO	ALEXANDER WP200	LINCOLN	WI PUBLIC SERVICE CORP	GRANDFATHER	LINCOLN	WI PUBLIC SERVICE CORP	GRANDMOTHER FALLS WP105	LINCOLN	WISCONSIN	KINGS 1833C30	LINCOLN	TOMAHAWK POWER AND PULP	MERRILL 1874C118	LINCOLN	WI PUBLIC SERVICE CORP	TOMAHAWK 2WP320	LINCOLN	WI PUBLIC SERVICE CORP	MOSTYNEE 1A93C136	MARATHON	WISCONSIN	MARATHON PAPER COMPANY
				44 24.6	90 43.3	1326	44 3.3	90 1.1	5860	45 11.2	89 45.3	2520	45 18.7	89 47.0	2293	45 21.9	89 43.7	2269	45 28.8	89 40.7	1297	45 10.6	89 41.1	2780	45 26.4	89 43.8	2028	44 47.5	89 41.8	4126	
				HR	OP	993.0	HCR	OP	-4902.4	HR	OP	2400.0	H	OP	2204.0	HR	OP	2200.0	HR	OP	1198.0	HR	OP	2672.0	HR	OP	1949.0	HR	OP	3400.0	
				0	23400	90.0	57.0	597100	39.2	40.0	8000	24.0	24.5	9780	95.0	35.0	5970	19.0	37.0	19410	23.0	24.0	11700	14.0	30.0	15180	16.0	35.0	2530	22.8	
				3840	12523	16363	20000	17842	37842	4200	0	4200	17240	14629	32069	3000	0	3000	2459	0	2459	840	0	840	2600	0	2600	3050	9518	12568	
				17259	18591	35851	102281	13511	115793	28547	0	28547	108065	17963	126030	20365	0	20365	15164	0	15164	7351	0	7351	16164	0	16164	26272	23269	53341	
				970.9	52.100		976.24	72.251		0	0		1072.7	99.708		0	0		0	0		0	0		0	0		795.58	29.175		
				1923	1923	1923				2013			1001			1026			1033			1053			1064			1045	1045		



FM 2 ID NO	PROJECT NAME	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	PRMRY CO. OWNER	DR. AREA	STATUS	MX STOR.	INC. CAP.	INC. ENRG	ENERGY COBT
CODE	DR. AREA	(D M.M)	AVE. G	PHR. MD.	TOT. CAP.	TOT. ENRG	(1000 \$)
FILE	(D M.M)	(AC FT)	(KW)	(MHH)	(MHH)	(MHH)	(\$/MHH)
STATUS	(SQ.MI)	(PT)	(CFS)	(PT)	(KW)	(MHH)	(SEQUENCE RANK)
W1000258	HAY RAPIDS 1903C239	45 34.3	HR	22.0	800	6827	0
W100770	ONEIDA WISCONSIN	89 28.8	OP	3850	0	0	0
2 DRC I	WI PUBLIC SERVICE CORP	1143	1055.0*	21.0	800	6827	1069
W1000262	RAINBOW RESERVOIR 2HP76	45 49.9	OR	34.0	0	0	366.22
W100775	ONEIDA WISCONSIN	89 32.7	OP	50161	3804	11985	30.556
2 DRC I	WI VALLEY IMPROVEMENT CO	740	688.0*	27.0	3804	11985	2002
W1000259	RHINELANDER 1907C280	45 38.4	HR	15.0	2700	14356	0
W100771	ONEIDA WISCONSIN	89 25.2	OP	35000	0	0	0
2 DRC I	RHINELANDER PAPER CO	861	795.0*	31.0	2700	14356	1068
W1000261	CEDARS	44 16.7	HN	16.0	2700	20140	0
W100852	OUTAGAMIE FOX	88 19.7	OP	1590	0	0	0
1 DRC I	DAEN NCC	6110	-4090.7*	11.7	2700	20140	1007
W1000254	COMBINED LOCKS	44 16.1	HNR	26.0	1995	17232	829.18
W100777	OUTAGAMIE FOX	88 19.0	IS	1680	9187	32922	25.185
1 DRC I	CITY OF KAUKAUNA	6150	4284.0*	20.9	11182	50155	1036
W1000260	LITTLE CHUTE	44 16.7	HRN	20.0	3300	25000	0
W100779	OUTAGAMIE FOX	88 19.2	OP	1900	0	0	0
1 DRC I	DAEN NCC	6120	-4097.4*	14.7	3300	25000	2012
W1000251	LITTLE KAUKAUNA	44 15.3	N	17.5	100	875	337.55
W100130	OUTAGAMIE FOX	88 24.9	IS	400	1405	10378	32.525
1 DRC I	DAEN NCC	6100	4291.0*	6.5	1505	11254	1057
W1000256	LOW KAUKAUNA	44 23.0	HNR	23.0	4800	36067	639.8
W100778	OUTAGAMIE FOX	88 16.0	OP	0	6617	14388	44.418
1 DRC	KAUKAUNA ELECTRIC WATER	6138	4319.0*	20.9	11417	50455	2010
W1000259	MIDDLE APPLETON	44 15.5	HR	20.0	1262	10734	1009.6
W100166	OUTAGAMIE FOX	88 24.5	OP	220	8686	25145	40.153
1 DRC D	FOX RIVER PAPER CORR	6100	-4084.0*	14.4	9948	35880	1070

PM 2 ID NO	PROJECT NAME	LATITUDE	LONGITUDE	DR AREA	DR AREA (D M.M)	DR AREA (D M.M)	DR AREA (SQ.MI)	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENERG	ANUL.COST	ERC ECONOMIC
ACTV DEP	OWNER	STATUS	FILE	STATUS	FILE	STATUS	FILE	STATUS	FILE	STATUS	FILE	STATUS	FILE
CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE
FILE	FILE	FILE	FILE	FILE	FILE	FILE	FILE	FILE	FILE	FILE	FILE	FILE	FILE
STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS	STATUS
WIGNCC0262	RAPIDE CROCHE	44 19.1	88 11.9	6150	14.0	3300	10.2	HN	2400	17799	0	1012	
WIO0853	OUTAGAMIE	88 11.9	88 11.9	6150	14.0	3300	10.2	OP	0	0	0	1012	
1 DRC I	DAEN NCC	6150	6150	6150	14.0	3300	10.2	OP	2400	17799	0	1012	
WIGNCC0253	UP APPLETON	44 15.3	88 24.9	6065	15.0	12490	9.0	NH	1990	15084	0	1067	
WIO0851	OUTAGAMIE	44 15.3	88 24.9	6065	15.0	12490	9.0	OP	0	0	0	1067	
1 DRC I	DAEN NCC	6065	6065	6065	15.0	12490	9.0	OP	1990	15084	0	1067	
WIGNCC0258	UP KAUKAUNA	44 16.7	88 16.1	6138	26.0	960	19.1	HRN	5600	37866	868.67	2016	
WIO0080	OUTAGAMIE	44 16.7	88 16.1	6138	26.0	960	19.1	OP	8948	10466	82.996	2016	
1 DRC I	DAEN NCC	6138	6138	6138	26.0	960	19.1	OP	14548	48332	0	2016	
WIGNCC0250	L APPLETON	44 15.3	88 24.9	6100	12.0	280	6.9	NH	1443	11193	0	1002	
WIO0129	OUTAGAMIE	44 15.3	88 24.9	6100	12.0	280	6.9	OP	0	0	0	1002	
1 DRC I	DAEN NCC	6100	6100	6100	12.0	280	6.9	OP	1443	11193	0	1002	
WIINCS0269	SAINT CROIX FALLS	45 24.6	92 38.9	5930	60.0	12750	50.0	HR	23200	103800	1705.5	1939	
WIO0023	POLK	45 24.6	92 38.9	5930	60.0	12750	50.0	OP	26212	20350	83.709	1939	
2 DRC I	SAINT CROIX	5930	5930	5930	60.0	12750	50.0	OP	49412	124151	0	1939	
WIINCS0274	DURAY 2WP533	44 39.8	89 39.0	4822	37.0	102730	29.7	HR	8400	54359	1305.7	1042	
WIO0784	PORTAGE WISCONSIN	44 39.8	89 39.0	4822	37.0	102730	29.7	OP	20324	28010	59.324	1042	
2 DRC I	CONSOLIDATED WATER POWER	4822	4822	4822	37.0	102730	29.7	OP	26724	76370	0	1042	
WIINCS0273	STEVENS POINT 2WP43	44 30.9	89 35.2	4964	27.0	12000	18.0	HR	4800	32573	0	2011	
WIO0781	PORTAGE WISCONSIN	44 30.9	89 35.2	4964	27.0	12000	18.0	OP	0	0	0	2011	
2 DRC I	CONSOLIDATED WATER POWER	4964	4964	4964	27.0	12000	18.0	OP	4800	32573	0	2011	
WIINCS0341	WHITING-PLOVER	44 28.8	89 34.2	5150	13.0	280	8.0	HR	854	7380	0	1015	
WIO0782	PORTAGE WISCONSIN	44 28.8	89 34.2	5150	13.0	280	8.0	OP	0	0	0	1015	
5 DRC I	WHITING-PLOVER PAPER CO	5150	5150	5150	13.0	280	8.0	OP	854	7380	0	1015	
WIINCS0344	WTSC R DIV	44 29.3	89 34.6	4980	30.0	30.0	22.0	HR	6567	41958	0	1041	
WIO0783	PORTAGE WISCONSIN	44 29.3	89 34.6	4980	30.0	30.0	22.0	OP	0	0	0	1041	
2 DRC I	CONSOLIDATED WATER POWER	4980	4980	4980	30.0	30.0	22.0	OP	6567	41958	0	1041	

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	NAME OF STREAM	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG. ANNUL. COST	ERC ECONOMIC		
FM 1 ID NO	OWNER	PRICE	STATUS	LONGITUDE	ST. PURP.	HY. STOR.	INC. CAP.	INC. ENRG.	ERC NON-ECONOMIC		
ACTV CODE	OWNER	PRICE	STATUS	DR. AREA	AVE. G	PPWR. HD.	TOT. CAP.	TOT. ENRG.	ERC COMPOSITE		
FILE	OWNER	PRICE	STATUS	(D.M.N)	(CFS)	(AC FT)	(KW)	(MWH)	(1000 \$)		
STATUS	OWNER	PRICE	STATUS	(D.M.N)	(CFS)	(AC FT)	(KW)	(MWH)	(9/MWH)		
	OWNER	PRICE	STATUS	(SQ.MI)							
WIGNCS0281	CROWLEY WP381	FLAMBEAU	HR	45 52.1	29.0	5230	1500	7643	0		
W100788	FLAMBEAU PAPER COMPANY	FLAMBEAU	OP	90 35.1	20.0	7643	1500	7643	0		
2 DRC I	FLAMBEAU PAPER COMPANY	FLAMBEAU	OP	800	742.0	20.0	1500	7643	0		
W1WNC0227	RTG FALLS 2WP917	FLAMBEAU	HR	45 33.3	0	5870	7780	42047	956.74	1953	1953
W100793	RUSK	FLAMBEAU	OP	90 57.6	45.0	1760.0	19035	9158	104.46		
2 DRC I	LAKE SUPERIOR DIST POWER	FLAMBEAU	OP	1838	1760.0	45.0	26815	51206			
W1WNC0228	FLAMBEAU 2WP683	FLAMBEAU	HR	45 29.4	0	57410	15000	68414	0		
W100794	RUSK	FLAMBEAU	OP	91 2.7	66.0	1760.0	15000	68414	0		
2 DRC I	DAIRYLAND POWER COOP	FLAMBEAU	OP	1910	1760.0	66.0	15000	68414	0		
W1WNC0226	LADYSMITH	FLAMBEAU	HR	45 27.6	26.0	3370	1800	12297	0		
W100791	RUSK	FLAMBEAU	OP	91 5.0	16.5	1873.0	1800	12297	0		
2 DRC I	LAKE SUPERIOR DIST POWER	FLAMBEAU	OP	1940	1873.0	16.5	1800	12297	0		
W1WNC0300	ARPTN	CHIPPEWA	HR	45 45.5	0	1920	1450	9984	386.76	1917	1917
W100796	SAWYER	CHIPPEWA	OP	91 12.1	34.0	825.0	5208	7930	48.770	1917	1917
2 DRC I	NORTH CENTRAL POWER CO	CHIPPEWA	OP	929	825.0	34.0	6698	17914			
W1WNC0301	CHIPPEWA	CHIPPEWA	OR	45 53.2	0	332100	0	0	381.49	1919	1919
W100797	SAWYER	CHIPPEWA	OP	91 4.6	25.9	710.0	4040	12431	30.687	1919	1919
2 DRC I	NORTHERN STATES POWER CO	CHIPPEWA	OP	864	710.0	25.9	4040	12431			
W1WNC0268	SHAWANO	WOLF RIVER	HR	44 46.7	0	1190	256	1660	0	1052	1052
W100205	SHAWANO	WOLF RIVER	OP	88 37.1	7.2	1060	0	0	0		
1 DRC	SHAWANO PAPER MILLS	WOLF RIVER	OP	1127	-1083.5	13.0	256	1660	0		
W1WNC0270	UPPER SHAWANO	WOLF RIVER	HR	44 50.3	0	1060	700	5165	0	1003	1003
W100800	SHAWANO	WOLF RIVER	OP	88 37.8	13.0	850	0	0	0		
1 DRC	WI POWER + LIGHT CO	WOLF RIVER	OP	850	-817.2	13.0	700	5165	0		
W1WNC0303	APPLE RIVER FALLS	APPLE	HR	45 9.4	94.0	700	3000	14772	0		
W100027	ST CROIX	APPLE	OP	92 42.6	700	85.0	0	0	0		
2 DRC I	NORTHERN STATES POWER CO.	APPLE	OP	575	25.0	85.0	3000	14772	0		

FM 2 ID NO	PROJECT NAME	PRJ. PURP.	DAM HT	EXIST. CAP.	ENRG MANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. - NAME OF STREAM	STATUS	MX. STOR.	INC. CAP.	INC. ENERGY	ERC NON-ECONOMIC
ACTV DEP	OWNER	AVE. G	PMR. HD.	TOT. CAP.	TOT. ENERGY	ERC COMPOSITE
CODE		(CFS)	(FT)	(KW)	(MWH)	(SEQUENCE RANK)
FILE		(AC FT)	(AC FT)	(MWH)	(MWH)	(SEQUENCE RANK)
STATUS		(SO MI)	(FT)	(MWH)	(MWH)	(SEQUENCE RANK)
WIINCS0302	WILLOW FALLS	45 1.1	110.0	0	0	140.63
WI00026	ST CROIX	92 40.3	1080	843	4754	29,580
6 DRC I	STATE OF WI DNR	205	80.0	843	4754	
WIANCS0374	LOCK 8 GENDA, WI	43 34.1	29.0	0	0	1987.2
WI00803	VERNON MISSISSIPPI R	91 13.9	197400	16031	64598	23,490
5 DRC D	DAEN NCS	64770	6.9	16031	84598	
WIINCS0224	LAKE WINNEBAGO	44 12.0	14.0	250	2190	0
WI00814	WINNERAGO FOX	88 26.9	1514790	0	0	0
1 DRC D	DAEN NCC	6040	1.8	250	2190	0
WIINCS0319	BIRON WP71	44 26.0	0	6601	45779	842.11
WI00815	WOOD WISCONSIN	89 46.6	22680	10861	17320	48.619
2 DRC I	CONSOLIDATED WTR PWR CO	5341	24.0	17862	63100	
WIINCS0320	CENTRALIA 1889C29	44 25.1	0	3250	25592	0
WI00816	WOOD WISCONSIN	89 51.3	2150	0	0	0
2 DRC I	NEKOSIA EDWARDS PAPER CO	5400	16.0	3250	25592	0
WIINCS0316	FOUR MILE CREEK	44 20.5	33.0	2920	24336	605.6
WI00032	WOOD FOUR MILE CREEK	89 51.6	6000	5700	19080	31.711
2 DRC I	NEKOSIA EDWARDS PAPER CO.	5502	18.0	8620	43417	
WIINCS0322	NEKOSIA WP348	44 18.7	31.0	4150	33525	1036.0
WI00818	WOOD WISCONSIN	89 53.6	4370	12145	26038	39.789
2 DRC I	NEKOSIA EDWARDS PAPER CO	5500	25.0	16295	59564	
WIINCS0342	PORT EDWARDS	44 21.0	29.0	3100	25253	0
WI00819	WOOD WISCONSIN	89 51.2	1440	0	0	0
2 DRC I	NEKOSIA EDWARDS PAPER CO	5510	17.0	3100	25253	0
WIINCS0321	WISCONSIN RAPIDS 2WP44	44 23.8	42.0	10051	64105	1460.2
WI00817	WOOD WISCONSIN	89 49.3	5590	23468	25012	58.378
2 DRC I	CONSOLIDATED WTR PWR CO	5391	31.0	33519	89117	

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMARY CO. OWNER	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRG	ERC NONECONOMIC
CODE	FILE	DR. AREA	AVE. Q	#PWR. HD.	TOT. CAP.	TOT. ENRG	ERC COMPOSITE
STATUS		(D M.M)	(CFS)	(FT)	(KW)	(MWH)	(1000 \$)
		(D M.M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)
		(SQ.MI)		(FT)	(KW)	(MWH)	(SEQUENCE RANK)
							(SEQUENCE RANK)
WIGNC0237	CALDRON FALLS	45 21.5	HR	90.0	6400	18112	0
W100759	TARTNETTE PESHTIGO	88 13.8	DP	21760	0	0	0
1	WISCONSIN PUBLIC SERVICE CORP	496		69.0	6400	18112	0
WIGNC0238	SANDSTONE RAPIDS	45 13.8	HR	51.0	3840	12101	0
W100760	TARTNETTE PESHTIGO	88 4.2	DP	2230	0	0	0
1	WT PUB SERV CORP	675		34.0	3840	12101	0





... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL SMALL SCALE  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF WYOMING

POTENTIAL INCREMENTAL CAPACITY RANGES												
	.05 MW = 5 MW			5 MW = 10 MW			10 MW = 15 MW			.05 MW = 15 MW		
	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL	EXIST	UNDEV	TOTAL
NUMBER	CAPCTY	ENERGY	INCR	CAPCTY	ENERGY	INCR	CAPCTY	ENERGY	INCR	CAPCTY	ENERGY	INCR
0-19	0	0	0	0	0	0	0	0	0	0	0	0
20-49	0	0	0	0	0	0	0	0	0	0	0	0
50-99	2	6.4	18	0	0	0	0	0	0	0	0	0
>100	2.3	4.5	11	0	0	0	0	0	0	0	0	0
TOTAL	4.3	10.9	29	0	0	0	0	0	0	0	0	0

LEGEND

COLUMN 1 = INSTALLED CAPACITY AT EXISTING DAMS  
 COLUMN 2 = INCREMENTAL CAPACITY AT EXISTING DAMS  
 COLUMN 3 = POTENTIAL CAPACITY AT UNDEVELOPED SITES  
 COLUMN 4 = TOTAL NEW POTENTIAL CAPACITY (SUM OF COLUMNS 2 AND 3)  
 COLUMN 5 = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
 COLUMN 6 = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT IN THE STATE OF WYOMING

Table with columns for site ID, number, capacity, energy, and various development metrics (EXIST, UNDEV, INST, INCR, CAP, POTEN, TOTAL) for different head ranges (15 MW, 25 MW, >25 MW) and a final TOTAL column.

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT
COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS
COLUMN 3 = UNDEVELOPED POTENTIAL
COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)
CAPCY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

PM 2 ID NO	PROJECT NAME	PRIMARY CO. -NAME OF STREAM	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC		
FILE	STATUS	OWNER	DR AREA	DR AREA	STATUS	MX STOR.	AVE. Q	PHR. HD.	TOT. CAP.	TOT. ENRG	INC. ENRG	ENERGY COST	ERC NONECONOMIC
CODE	CODE	FILE	(D.M.M)	(D.M.M)	(CFS)	(AC FT)	(KW)	(MHH)	(MHH)	(MHH)	(1000 \$)	(\$/MHH)	ERC COMPOSITE
			(SQ.MI)	(SQ.MI)		(FT)	(KW)	(MHH)	(MHH)	(MHH)	(1000 \$)	(\$/MHH)	(SEQUENCE RANK)
WYIMR00319	KORTES RESERVOIR	NORTH PLATTE	42 10.8	106 53.1	IHR	159.0	36000	113025	215.22	95.727	1963	1963	1963
WYO1294	CARBON		42 10.8	106 53.1	DP	4770	1850	2296					
2 DRC I	USBR		13000	1068.0	142.9		37850	113321					
WY6SPK0932	SAVERY RESERVOIR	SAVERY CREEK	41 6.5	107 7.5	CI	90.0	0	0	1450.1	20872			
WYU0066	CARBON		107 7.5	190	IS	40000	8	69					
5 DRC I						67.9	8	69					
WYIMR00320	SEMINOLE RESERVOIR	NORTH PLATTE	42 9.4	106 54.4	IHR	206.0	32400	111463	3508.6	58.351	1979	1979	1979
WYO1297	CARBON		106 54.4	11189	DP	1011000	112926	60129					
2 DRC I	USBR		11189	1068.0	192.0		145326	171593					
WYIMR00326	BOYSEN RESERVOIR	WIND RIVER	43 25.0	108 10.6	ICHR	144.0	15000	88000	477.99	296.68	1924	1924	1924
WYO1299	FREMONT		108 10.6	7700	DP	1473000	5000	-1610					
5 DFC I	USBR		7700	1346.0	103.9		20000	86390					
WYCHR00327	BULL LAKE	BULL LAKE CREEK	43 12.6	109 2.4	ICR	73.0	0	0	408.71	44.320	1911	1911	1911
WYO1378	FREMONT		109 2.4	210	DP	152500	3272	9180					
2 SCP I	USBR		210	-282.4	64.6		3272	9180					
WYCHR00328	PILLOT BUTTE RESERVOIR	WIND RIVER	43 11.8	108 45.2	IR	33.0	0	0	506.10	25.4	1917	1917	1917
WYO1381	FREMONT		108 45.2	2000	DP	38500	5000	22000					
2 DFC I	USBR		2000	-802.7	19.1		5000	22000					
WYIMR00325	SHOSHONE LAKE RES	N FORK POPD	42 47.7	109 1.2	IP	0	6012	7290	0	0			
WYO1055	FREMONT		109 1.2	9	OP	12315	0	0					
5 DRC I	SHOSHONE LAKE RES CO		9	-935.3	41.0		6012	7290					
WY6MPW0493	ALPINE	SNAKE RIVER	43 10.0	110 58.0	HIR	440.0	0	0	11554	13.910			
WYU0003	LINCOLN		110 58.0	3486	IS	1076000	347432	830667					
2 DRC I			3486	4915.0	397.0		347432	830667					
WY7MPW0507	BOCO-SPRING CREEK	GREYS RIVER	42 38.2	110 39.9	H	150.0	0	0	2156.4	798.96			
WYU0064	LINCOLN		110 39.9	38	IS	31500	955	2699					
5 DRC I			38	60.0	79.2		955	2699					

FM 2 ID NO	PROJECT NAME	LONGITUDE	DAM HT	EXIST. CAP.	ANUL. COST	ERC ECONOMIC
ACTV DEP	PRIMRY CO. OWNER	DR. AREA	PROJ. STUS.	INC. CAP.	ENERGY COST	ERC NONECONOMIC
FILE CODE	DR. AREA	(D M.M)	AVE. G	TOT. CAP.	(SP/MH)	ERC COMPOSITE
STATUS	(D M.M)	(SQ.MI)	(CFS)	(KW)	(1000 \$)	(SEQUENCE RANK)
WYSPK0950	COKEVILLE POWER PLANT	42 4.9	H	0	0	(SEQUENCE RANK)
WYU0084	LINCOLN BEAR RIVER	110 56.9	IS	0	0	(SEQUENCE RANK)
9 ICT I				439.0	210.0	
WY7NP0506	COTTONWOOD LAKES	42 41.0	H	0	0	
WYU0062	LINCOLN SALT RIVER OF	110 56.0	IS	1168	2737	4024.1
5 DRC I		44		1168	2737	1470.0
WY6NP0505	CROW CREEK	42 40.0	HI	0	0	
WYU0061	LINCOLN CROW AND SALT	111 1.9	IS	2581	8382	1067.1
5 DRC I	DOT USBR	148		2581	8382	127.50
WY6NP0492	ELBOW	42 58.0	H	0	0	
WYU0002	LINCOLN GREYS RIVER	110 45.0	IS	5592	15651	2715.3
5 DRC I		254		5592	15651	173.48
WY6NP0495	FIRE CREEK	43 8.2	H	0	0	
WYU0006	LINCOLN GREYS RIVER	110 54.0	IS	74176	84386	6524.5
5 DRC I		433		74176	84386	77.318
WYCSPK0934	KEMMER NO 1 RES	41 56.2	0	0	0	
WY01282	LINCOLN HANS FOK CRE	110 39.0	OP	123	1074	71.84
5 DRC	KEMMERER WYD	269		123	1074	66.179
WYNNPW0499	LOWER AFTON	42 44.2	H	0	0	
WYU0011	LINCOLN SWIFT CREEK	110 53.1	IS	291	0	39.938
5 DRC I	LOWER VALLEY P AND L CO.	26		291	0	0
WY6NP0504	NARROWS	42 50.9	H	0	0	
WYU0060	LINCOLN SALT RIVER	110 58.9	IS	25612	89791	16256
5 DRC I		541		25612	89791	203.31
WY6NP0496	PORCUPINE CREEK	43 1.3	H	0	0	
WYU0007	LINCOLN GREYS RIVER	110 48.2	IS	22397	49040	3385.2
5 DRC I		295		22397	49040	69.28

PM 2 ID NO	ACTV DEP	FILE	STATUS	PRIMARY CO.	PROJECT NAME	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC
				OWNER	NAME OF STREAM	DR. AREA	AVE. G	MX. STOR.	PWR. HD.	TOT. CAP.	INC. ENRG	ENERGY	COST	ERC NON-ECONOMIC
						(D.M.)	(CFS)	(MFT)	(MFT)	(KW)	(MWH)	(\$/MWH)	(1000 \$)	(SEQUENCE RANK)
						(D.M.)	(CFS)	(AC FT)	(MWH)	(KW)	(MWH)	(\$/MWH)	(1000 \$)	(SEQUENCE RANK)
						(SQ. MI)	(CFS)	(FT)	(MWH)	(KW)	(MWH)	(\$/MWH)	(1000 \$)	(SEQUENCE RANK)
WY7NPH0494				SQUAN FLAT	GREYS RIVER	43 9.0	620.0	350.0	0	0	2237	0	9881.0	
5 DRC I				LINCOLN		111 535	168200	168200	0	6214	2237	484.35		
WY5NPH0498				STRABERRY	STRABERRY CR	42 45.0		10.0	0	1500	5716	0		
WYU0009				LINCOLN		110 50.9		90	0	0	0	0		
5 DRC I				LOWER VALLEY PWR AND LGT		16	-19.8	450.0	0	1500	5716	0		
WY6NPH0502				UPPER MEADOWS	GREYS RIVER	42 51.9		260.0	0	0	0	6878.4		
WYU0024				LINCOLN		110 42.2	260.0	125000	0	18459	29144	236.1		
5 DRC I						188		246.7	0	18459	29144			
WYHNP0500				UPPER SWIFT	SWIFT CREEK	42 44.4		10.0	0	800	2700	0		
WYU0012				LINCOLN		110 52.3		90	0	0	0	0		
5 DFC I				LOWER VALLEY P AND L CO.		26	88.0	193.0	0	800	2700	0		
WYCSK0933				UTAH POWER + LIGHT CO	HAMS F	41 57.8		79.0	0	0	0	236.36		
WYU01281				LINCOLN	HAMS FORK	110 39.4		49270	0	3142	8681	27.225		
2 DRC				UTAH POWER + LIGHT CO		233	-277.8	58.6	0	3142	8681			12
WYIMR00351				ALCONA RESERVOIR	NORTH PLATTE	42 32.9		175.0	0	36000	102167	0		
WYU01290				NATRONA		106 43.0		184500	0	0	0	0		
5 DRC I				DOI US8R		10075	1173.3	169.8	0	36000	102167	0		
WYAMR00352				GRAY REEF RESERVOIR	NORTH PLATTE R	42 33.7		30.0	0	0	0	612.23		
WYU01292				NATRONA		106 41.8		1800	0	6473	18851	32.476		1916
2 NWR I				DOI US8R		14771	-2221.4	21.6	0	6473	18851			1916
WYIMR00353				PATHINDER RESERVOIR	NORTH PLATTE	42 28.0		200.0	0	48000	154922	4224.9		
WYU01296				NATRONA		106 51.2		1015888	0	144668	73488	57.490		1982
2 DRC I				DOI US8R		14670	1068.0	189.9	0	192668	228411			1982
WYIMR00361				BUFFALO BILL	SHOSHONE RIVE	44 30.0		230.0	0	17012	110000	999.91		
WYU01300				PARK		109 30.0		423974	0	20000	60300	16.582		1987
2 DFC I				DOI US8R		1538	-1199.3	215.5	0	37012	170300			1987

FM 2 ID NO	PROJECT NAME	STATUS	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRGY	ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENRGY	ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. Q	PHR. HD.	TOT. CAP.	TOT. ENRGY	(1000 \$)	ERC COMPOSITE
CODE		(D M.H)		(FT)	(KW)	(MWH)	(\$/MWH)	(SEQUENCE RANK)
FILE		(D M.H)		(AC FT)	(KW)	(MWH)		(SEQUENCE RANK)
STATUS		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		(SEQUENCE RANK)
MYMIR00831	HEART MOUNTAIN	44 30.	HI	0	5000	45900	0	
5	PARK	109 7.	OP	0	0	0	0	
	DOI USRR			0	0	0		
MYMIR00366	GLEND RESERVOIR	42 29.0	ICHR	170.0	24000	90999	2652.3	1981
WY01291	PLATTE	104 56.9	OP	1124000	56460	36778	72.116	1981
2	DOI USRR	14330		1667.3	80460	127777		1981
MYMIR00367	GUERNSEY	42 17.3	IHR	95.0	4800	25952	1257.3	1965
WY01293	PLATTE	104 45.7	OP	45200	17398	46559	27.5	1965
2	DOI USRR	15008		82.3	22198	72512		1965
MYCSPK0939	BOULDER LAKE RES	42 50.1	ISPRO	23.5	0	0	79.270	
WY01195	SURLETTE	109 42.3	OP	30445	365	1935	40.959	39
2	BOULDER IRR DIST	94		129.8	365	1935		
MYSSPK0936	BURNT LAKE	42 51.9	HI	0	0	0	0	
WYU0088	SURLETTE	109 39.0	IS	25000	0	0	0	
9	ICT I	39		627.0	0	0	0	
MY7SPK0937	KENDALL	43 3.9	H	200.0	0	0	5201.8	
WYU0089	SURLETTE	110 5.0	IS	810000	6439	21728	239.40	
5	DRC D	450		154.8	6439	21728		
MYCSPK0940	NEW FORK LAKE RES	43 5.1	I	21.0	0	0	40.998	
WY01232	SURLETTE	109 58.0	OP	27320	90	396	103.34	
5	DRC	36		159.8	90	396		
MYHSPK0943	PINEDALE POWER PLANT	42 53.4	H	0	75	652	0	
WY08000	SURLETTE	109 50.9	OP	0	0	0	0	
5	DRC	200		80.0	75	652		16
MYCSPK0946	BIG SANDY RESERVOIR	42 14.8	IR	68.0	0	0	39.934	
WY01387	SWEETWATER	109 25.6	OP	54400	7	57	689.42	
5	DRC	439		64.7	7	57		

FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. ENRG ANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME	LONGITUDE	STATUS	MX STOR.	INC. ENRG ANUL. COST	ERC NON-ECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. Q	PMR. HD.	TOT. CAP.	TOT. ENRG
CODE	FILE	(D M.M)	(AC FT)	(MHH)	(1000 \$)	(\$/MWH)
STATUS	(D M.M)	(90.MI)	(FT)	(MHH)	(SEQUENCE RANK)	(SEQUENCE RANK)
WY58PK0944	FONTENELLE DS TO UPPER LIMIT	41 29.0	HCSR	10.0	0	21959
WY00087	SWEETWATER GREEN RIVER	109 22.9	IS	0	42777	246568
5 DRC 0	10000	1724.0	349.6	0	42777	246568
WY5NPNW0533	BARLOW PEAK	44 12.0	H	10.0	0	398.30
WY00075	TETON	110 24.9	IS	90	1180	4231
5 DRC I	57	95.0	479.5	0	1180	4231
WY6NPNW0532	BASTIN CREEK	44 10.0	H	260.0	0	11824
WY00074	TETON	110 29.2	IS	685000	18954	28758
5 DRC I	117	190.0	247.7	0	18954	28758
WY5NPNW0512	BEAR CUB PASS	43 50.9	H	10.0	0	1136.3
WY00014	TETON	110 13.9	IS	90	2825	9503
5 DRC I	126	205.0	799.2	0	2825	9503
WY7NPNW0510	BECHLER MEADOWS FALLS	44 8.2	H	170.0	0	3175.1
WY00010	TETON	111 0.0	IS	508200	3039	8237
5 DRC I	261	465.0	154.8	0	3039	8237
WY7NPNW0514	BLACK ROCK	43 49.9	H	270.0	0	6432.0
WY00016	TETON	110 20.9	IS	481250	74431	84174
6 DRC I	378	450.0	256.7	0	74431	84174
WY6NPNW0533	CAMP DAVIS	43 18.3	H	110.0	0	3259.9
WY00065	TETON	110 41.0	IS	19528	19528	52189
2 DRC I	570	740.0	96.8	0	19528	52189
WY5NPNW0522	COLONADE	44 13.0	H	10.0	0	270.19
WY00058	TETON	110 58.9	IS	90	402	911
5 DRC I	25	40.0	799.2	0	402	911
WY4NPNW0509	FLAG RANCH	44 4.1	HR	220.0	0	8258.4
WY00004	TETON	110 41.9	IS	800000	27871	78436
5 DRC I	465	740.0	196.8	0	27871	78436

FM 2 ID NO	PROJECT NAME	PRIMARY CO.	OWNER	LATITUDE	LONGITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	EXIST. ENRG	ANUL. COST	ERC ECONOMIC									
ACTV DEP	FILE	STATUS	DR. AREA	(D M.N)	(D M.N)	(S.M.I)	(AVE. G	STAIR. HD.	(FT)	(AC FT)	(CFS)	(FT)	(KW)	(KW)	(KW)	(TOT. ENRG)	(1000 S)	(S/MWH)	(SEQUENCE RANK)	(SEQUENCE RANK)
WY6NPM0508	GRANITE CREEK	TETON	HOBACK RIVER	43 16.9	110 32.0	H	325.0	0	0	4344.1	4344.1	2	DRC I	456	46285	94266	0	0	46.83	46.83
WY6NPM0534	GRASSY LAKE	TETON	GRASSY CREEK	44 7.8	110 49.0	I	109.0	0	0	576.55	576.55	5	DRC I	10	145	475	0	0	1217.9	1217.9
WY6NPM0518	JACKSON HOLE	TETON	SNAKE RIVER	43 24.0	110 45.0	H	610.0	0	0	39894	39894	6	DRC I	2100	413730	1102909	0	0	36.172	36.172
WY6NPM0535	JACKSON LAKE	TETON	SNAKE RIVER	43 51.9	110 35.9	ICR	65.0	0	0	741.70	741.70	2	DRC I	1371	10537	27755	0	0	26.722	26.722
WY7NPM0528	JOY CREEK	TETON	NORTH FORK BUN	43 51.9	110 13.9	H	260.0	0	0	3550.0	3550.0	5	DRC I	40	209	831	0	0	4270.0	4270.0
WY6NPM0519	KERRS RANCH	TETON	HOBACK	43 12.0	110 28.0	H	410.0	0	0	11233	11233	5	DRC I	198	20488	42258	0	0	265.83	265.83
WY7NPM0526	KINKY CREEK	TETON	GROS VENTRE R	43 27.2	110 9.0	H	400.0	0	0	8248.7	8248.7	5	DRC I	73	1693	5897	0	0	1398.7	1398.7
WY5NPM0530	LEWIS LAKE	TETON	LEWIS RIVER	44 16.9	110 38.2	H	10.0	0	0	1016.1	1016.1	6	DRC I	147	4800	15935	0	0	63.765	63.765
WY5NPM0529	MORAN BAY	TETON	MORAN CANYON	43 51.5	110 45.2	H	10.0	0	0	297.48	297.48	5	DRC I	28	1749	3894	0	0	76.382	76.382



FM 2 ID NO	PROJECT NAME	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	ENRGANUL. COST	ERC ECONOMIC
FM 1 ID NO	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	MX. STOR.	INC. CAP.	INC. ENERGY COST	ERC NON-ECONOMIC
ACTV DEP	OWNER	DR. AREA	AVE. G	PWR. HD.	TOT. CAP.	TOT. ENERGY	ERC COMPOSITE
CODE		(D M. M)	(CFS)	(FT)	(KW)	(MWH)	(1000 \$)
FILE		(D M. M)	(CFS)	(AC FT)	(KW)	(MWH)	(\$/MWH)
STATUS		(90 MI)		(FT)	(KW)	(MWH)	(SEQUENCE RANK)
WY5NPM0525	NOMLIN CREEK	43 30.9	H	110.0	0	0	1628.7
5	TETON	110 41.0	IS	67500	421	0	0
WY5NPM0526	FLAT CREEK	60	IS	599.4	421	0	0
5	TETON	43 37.3	H	10.0	0	0	287.15
WY5NPM0527	PHELPS LAKE	110 46.0	IS	90	881	2441	117.59
5	TETON	24	IS	1133.8	881	2441	0
WY4NPM0528	RAMSHORN	43 17.3	H	195.0	0	0	3490.2
WYU0022	TETON	110 37.9	IS	19700	24178	64029	50.510
2	TETON	484	IS	181.8	24178	64029	0
WY5NPM0531	RED CREEK	44 10.0	H	10.0	0	0	437.16
WYU0073	TETON	110 33.9	IS	90	717	2621	166.77
5	TETON	141	IS	149.8	717	2621	0
WY5NPM0516	RED HILLS	43 36.9	H	10.0	0	0	1573.5
WYU0018	TETON	110 24.9	IS	90	10203	31171	50.479
6	TETON	589	IS	349.6	10203	31171	0
WY5NPM0517	SLIDE LAKE	43 38.0	H	10.0	0	0	786.24
WYU0019	TETON	110 35.2	IS	90	3466	11985	65.600
2	TETON	614	IS	349.6	3466	11985	0
WY5NPM0513	SPREAD CREEK	43 45.0	H	10.0	0	0	495.87
WYU0015	TETON	110 39.0	IS	90	1105	3950	139.67
5	TETON	95	IS	549.4	1105	3950	0
WY6NPM0521	TETON CREEK C=C	43 45.3	HI	90.0	0	0	532.53
WYU0057	TETON	110 56.9	SA	8400	565	1882	282.84
5	TETON	33	SA	76.9	565	1882	0
WY7NPM0515	UPPER COTTONWOOD	43 32.9	H	213.0	0	0	6487.2
WYU0017	TETON	110 16.9	IS	33500	2039	7114	911.82
5	TETON	390	IS	196.8	2039	7114	0

FM 2 ID NO	ACTV DEP	FILE	STATUS	PROJECT NAME	DR AREA	LONGITUDE	LATITUDE	PROJ. PURP.	DAM HT	EXIST. CAP.	INC. CAP.	EXIST. ENRG	INC. ENRG	TOT. ENRG	ENERGY COST	ANUL. COST	ERC ECONOMIC	
FM 1 ID NO	OWNER	(D M M)	(D M M)	NAME OF STREAM	(SQ. MI)	(D M M)	(D M M)	STATUS	MX. STOR.	AVG. G	AVE. G	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	ERC NONECONOMIC
CODE	OWNER	(M)	(M)	NAME OF STREAM	(MI)	(M)	(M)	STATUS	STOR. (AC FT)	AVG. G (CFS)	AVE. G (CFS)	(KW)	(KW)	(KW)	(MWH)	(MWH)	(MWH)	ERC NONECONOMIC
MY7NPW0511	WHEATSTONE CREEK	43	57.0	PACIFIC CREEK	110	26.0	18	200.0	150.0	79100	399.6	0	939	2690	2690	0	2419.9	ERC NONECONOMIC
MYU0013	TETON	127											939	2690	2690	0	899.350	ERC NONECONOMIC
5 DRC I																		
MYCSPK1327	MECKS CABIN RESERVOIR	41	1.5	BLACKS FORK R	110	34.7	OP	161.0	185.0	38720	139.8	0	2321	7857	7857	0	254.35	ERC NONECONOMIC
MY01390	UINTA	152											2321	7857	7857	0	32.368	ERC NONECONOMIC
2 DRC	US WPRS																	21
MYCSPK0949	WOODRUFF NARROWS RES	41	30.3	BEAR RIVER	111	0.8	OP	250.0	59.0	35500	40.9	0	7	60	60	0	39.125	ERC NONECONOMIC
MY01197	UINTA	784											7	60	60	0	651.31	ERC NONECONOMIC
5 DRC	WOODRUFF NARROWS RES CO																	