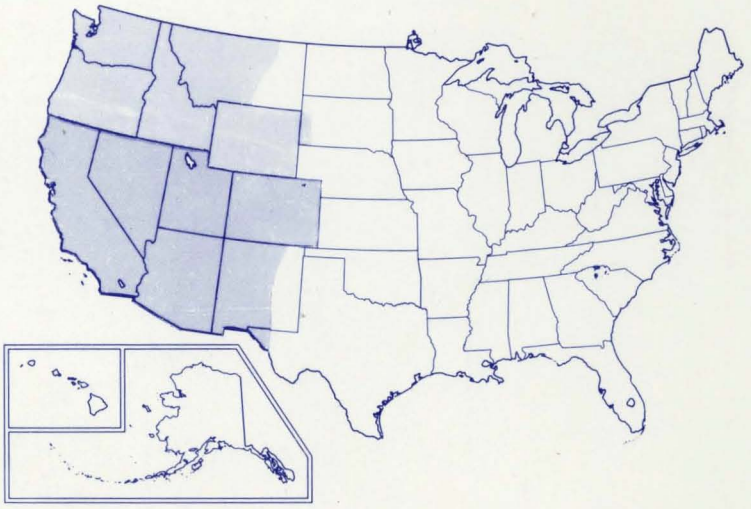
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National Hydroelectric Power Resources Study

Volume XXII
September 1981

Regional Assessment: Western Systems Coordinating Council



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20. ABSTRACT *(Continue on reverse side if necessary and identify by block number)* This volume briefly describes existing conditions (physical, social, economic) affecting electric supply and demand in the Western Systems Coordinating Council. It discusses the existing electric energy system and the role of hydropower therein. Projections of electrical supply and demand through the year 2000 are discussed. The hydropower resources, developed and undeveloped, of the region are evaluated and a regional ranking of specific projects and sites which are recommended to be studied in further detail is presented. The public involvement in the planning process is described.

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WESTERN SYSTEMS COORDINATING COUNCIL
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PREFACE

The economic success and 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 preferred 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.

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). The primary 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 hydroelectric power systems; and (2) to recommend to Congress a national hydroelectric power development program.

The final NHS report consists of 23 volumes. Volumes I and II are the Executive Summary and National Reports respectively. Volumes III and IV evaluate the existing and projected electric supply and demand in the United States. Volumes V through XI discuss various generic policy and technical issues associated with hydroelectric power development and operation. Volumes XII and XIII describe the procedures used to develop the data base and include a complete listing of all sites. Volumes XIV through XXII are regional reports defined by Electric Reliability Council (ERC) regions. The index map at the inside back cover defines the ERC regions. Alaska and Hawaii are presented in Volume XXIII.

This volume, number XXII, describes the hydroelectric power potential in the Western Systems Coordinating Council (WSCC) region. A map depicting all sites described in the text is located in the jacket, inside back cover.

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Chapter 1
REGIONAL CHACTERISTICS AND OBJECTIVES

1.1 REGIONAL CHARACTERISTICS

The Western region of the United States is probably more self-sufficient in electrical energy production than any other in the Nation. Although power generating stations are scattered througout the region, the lion's share of the region's electricity is generated close to available natural resources, oil in Southern California, coal in the intermountain West, and falling water in the Pacific Northwest. In Southern California, oil-fired generating stations fortuitously have been located close to the market area as well, but the large coal and hydropower developments have required long transmission lines to large load centers. Elsewhere in the Western States, generating facilities have for the most part been located near load centers, with coal, oil or natural gas imported to fire boilers. Hydropower, though on a modest scale outside the Pacific Northwest, has been developed within economic distance of load centers or existing transmission grids. Other sources of power generation have provided only a very small part of the region's total electric energy.

The western region contains a number of large metropolitan areas, which continue to grow in population at relatively high rates, in common with a national trend. Hence if the region's per capita energy use remains at present levels while population continues to grow apace, additional power generation will be required, to meet increased demand. Only if per capita demand lessens sufficiently or if population ceases to grow can construction of additional generation be foregone. But continued population growth and increased per capita consumption of electricity appear in prospect. Additional power generation could be derived from coal, oil, natural gas or nuclear fission, which are nonrenewable resources; or from water, wind, sun, wood, or geothermal areas, which are renewable resources.

At the present state of technology, there are significant differences in the extent to which the various types of power generation can be developed. In general, plants based on use of the nonrenewable resources are relatively small scale, except for hydropower and geothermal areas. There is much less potential energy generation in developable geothermal areas, however, than at existing and undeveloped hydropower sites. Hence, hydropower is the only renewable resource still capable of large-scale expansion in the Western States.

Because sufficient head and runoff are available at many places throughout the West, many hydroelectric powerplants have been developed. Even in the Southwest, where the climate is very dry, powerplants have been constructed at storage reservoirs. In the Pacific Northwest, especially, hydropower has been developed on a scale as great or greater than in any region in the world. Hydropower has also been developed in California and on streams draining the eastern flank of the Rocky Mountains.

Even if only sites larger than 1,000 kilowatts of generating capacity are considered, the Western States have the largest hydropower potential in the nation. The National Hydroelectric Power Study (NHS) for the Western States has been limited, with few exceptions, to sites larger than 1000 kilowatts. Smaller sites offer an opportunity for development which, in the aggregate, would be a substantial addition to the region's generating resources. However, due to the large number of potential larger projects and the limited monetary and manpower resources available for the study, an in-depth consideration of these smaller sites was not possible. Nonetheless, there are numerous opportunities in the region for small-scale hydropower development. In addition, one-time powerhouses at existing dams could be renovated to once again generate power. Numerous dams where hydropower has never been generated could be fitted with hydroelectric generating facilities, as is being done at the City of Portland's Bull Run Dam in Oregon. Existing hydroelectric plants in some cases could be expanded, as has been done at several of the huge dams on the Columbia River. And there are many underdeveloped damsites which are suitable for hydropower.

Interest in hydropower development, as in all forms of non-petroleum-based generation, has revived since 1973 when Arab countries embargoed oil to the United States and other nations for a time. License applications for study and construction of hydropower facilities continue to be received at Federal Energy Regulatory Commission (FERC) offices. Interest has been especially strong in expanding the capacity of existing powerplants and in installing generation at dams previously without powerplants, because minimal environmental degradation is likely to result from such projects. Despite this, proponents of hydropower projects continue to complain of lengthy time periods required for obtaining license approvals, both at State and Federal levels, but there is reason to believe that approval processes may become shorter in coming years.

The outlook for construction of hydropower plants in the Western States is promising, as the costs of thermal energy resources continue to rise. In addition, the region's extensive transmission grids put many otherwise uneconomic sites within relatively short distance of connection to loads, overcoming one of hydropower development's chief disadvantages, remoteness from load centers. Undeveloped sites throughout the region, and especially those in the Pacific Northwest, offer the greatest potential for additional development, but constructing them has become a complex and controversial procedure because of environmental, water use, and regulatory obstacles. Nevertheless, these sites offer a proven renewable source of energy which can be used to meet future loads.

1.2 REGIONAL OBJECTIVES

For the WSCC portion of the National Hydroelectric Power Resources Study, the following objectives were established:

To assess the physical potential for increasing hydropower capacity and generation in the form of a current and updated inventory;

- To make a reconnaissance-level assessment of the technical and economic feasibility of installing hydropower facilities at existing dams and previously identified undeveloped sites as well as increasing capacity and energy production at existing hydroelectric facilities;

- To make a preliminary assessment of environmental, social, and institutional constraints to development; and

- To ultimately reduce the region's dependence on nonrenewable energy.

In this report, projects are not recommended for authorization and construction. Rather, information is presented on those projects which appear to have the best potential for development and which should be considered for continuing study consistent with the above objectives.

1.3 OTHER STUDIES

At least three other studies of hydropower potential in the WSCC region have been conducted while the National Hydroelectric Power Study was in progress. These three studies are described in the following paragraphs.

A Resource Survey of Low-Head Hydroelectric Potential at Existing Dams and Proposed Sites in the Pacific Northwest Region

In September 1977, the University of Idaho's Water Resources Research Institute contracted with the Energy Research and Development Administration (now the U.S. Department of Energy) to study the potential of low-head hydroelectric damsites in the Pacific Northwest. The study area, which encompasses approximately 292,000 square miles, includes all of the Columbia River system in the United States and all other river basins in Idaho, Oregon, and Washington. The University of Idaho in turn subcontracted with the water-resource institutes of Oregon, Washington, and Montana to study sites in their respective States. The studies were conducted in two phases, and the final (phase 2) report was completed in September 1979.

The first phase of the study was to evaluate the region's theoretical low-head hydropower potential. Low-head was defined as applying to hydropower sites having head between 3 and 20 meters in height and whose powerplant capacity would be greater than 200 kW. The minimum flow required to produce 200 kW at 20 meters of head is 36 cubic feet per second (cfs). Hence, sites were identified in this study as having low-head hydropower potential only if associated streamflow is at least 36 cfs 50 percent of the time. This, as might be expected, ruled out many reservoir sites on the upstream reaches of smaller streams.

It was found convenient to delimit separate reaches of streams and identify their potential. While any number of low-head sites might exist on a given reach, no more than the theoretical power potential of the reach could be developed. The theoretical potential for any reach would be a function of the reach's total head and its streamflow rate, assuming 100 percent efficiency in all power and energy applications. Actual (developable) power potential would always be something less than the theoretical. For the analy-

sis it was assumed that the low-head plants would be operated run-of-river; the only consideration of reservoir storage in the study was where storage already exists upstream. Many promising stream reaches for low-head hydroelectric development were identified, with the Willamette, Clark Fork, Kootenai, and Snake Rivers among the more favorable. On the basis of flows equalled or exceeded 50 percent of the time, the region's total theoretical hydropower potential is 162,923 gigawatt-hours of energy.

In the second phase of the study, the small-scale, low-head hydropower potential of existing dams without present generating capability, of undeveloped hydropower dam sites, and of undeveloped power sites in existing irrigation systems was evaluated. For this second phase, a small hydropower site was defined as having potential power-generating capacity between 200 kW and 25 MW, assuming streamflows equalled or exceeded 50 percent of the time.

The existing dams studied were those identified in States' dam registration lists or in the Corps of Engineers' dam-safety studies. The undeveloped sites were identified from siting studies done by various Federal and State agencies. Only sites that had been previously identified were studied. The region's low-head potential at existing dams where power generation is not now a function is 1,184 gigawatt-hours, at undeveloped and irrigation sites 42,070 gigawatt-hours, or 43,254 gigawatt-hours in all.

Low-Head Hydroelectric Evaluation and Inventory

This study is being performed by the U.S. Bureau of Reclamation (USBR) of the Department of Interior in three phases. The results of Phase I were presented in the report entitled, Report on Assessment of Small Hydroelectric Development at Existing Facilities, July 1980. The study report, published in July 1980, outlines opportunities for development of small hydroelectric powerplants at existing projects which have been developed by that agency in the 17 western states area serviced by the USBR.

In all, 159 potential small hydroelectric developments were evaluated by means of an alternative process of analysis and screening. The study was made on the assumption that existing reservoir operations and existing streamflow regimes would remain unchanged if the developments studied were to be implemented. The economic analysis is based on consideration of power marketability, incorporating the value of energy to a power system and the relative dependability of potential generation. As shown in an economic sensitivity analysis, the power developments studied would be more economically attractive relative to thermal power generation alternatives if real-cost escalation of nuclear and fossil fuels in the future were taken into account.

From the 159 sites originally considered, 62 sites were found to be apparently economically attractive. From additional cost data developed for these 62 sites, 46 sites were found to be economically feasible. In the aggregate, these 46 sites show a potential generating capability of 189 megawatts and could produce over 839 million kilowatt-hours of energy annually. The estimated investment cost for developing these sites is $238 million (January 1980 price level). Technical and economic analyses of the 46 sites are shown in the WPRS report.

The 46 sites were further screened on the basis of environmental, social, and acceptability factors. Based on data available, it was concluded that 37 of the sites could be developed with no significant environmental or social impacts and would be acceptable to and supported by the affected public.

The results of Phase II of the study were presented in the report, Western States Inventory of Low-Head Hydroelectric Sites, October 1980. This is an inventory of potential hydropower resources for the 17 western states. "Low-head" was defined for the study as those sites with a hydraulic head less than 20 meters (approximately 66 feet).

The study was divided into three primary activities. For the first activity, the U.S. Corps of Engineers' National Hydropower Study computerized data base was used as the original data base. All existing dam sites in the 17 western states exceeding 20 meters in height were then eliminated. All undeveloped potential sites identified in the listing exceeding 20 meters in height were then removed from the listing, lowered to a height of 20 meters and reentered as low-head sites. Finally, all sites with a potential capacity of less than 1,000 kilowatts were eliminated.

For the second activity, an environmental data base for each of the states in the study area was assembled and the sites resulting from the first activity were environmentally screened to identify all sites with known environmental and social constraints.

In the third activity, 500 new low-head hydroelectric sites with a potential exceeding 1,000 kW were identified, environmentally screened, and added to the listing resulting from the first and second activities.

The final result of the study is a list of 2,628 sites that have potential as low-head hydropower sites with a capacity of 1,000 kilowatts or greater. The final list also notes the environmental constraints affecting each site.

Phase III will be a detailed analysis and evaluation of sites identified in Phase II that appear to be most suitable for low-head hydropower development by the USBR. This phase is expected to be completed by about October, 1981.

Small Scale Hydropower Potential in California

In 1976, the California Department of Water Resources distributed questionnaires to 880 water agencies; from their responses, the Department identified 212 potential sites where energy could be developed from existing hydraulic structures, such as dams, canals, and pipelines not presently equipped with generating facilities. These sites were published in Bulletin 205 in June, 1979, A Survey of Small Hydroelectric Potential of Existing Sites in California.

Subsequent surveys and studies by the Department have identified over 200 additional sites which are included in the revised, updated list of 400 sites. This updated list of small hydro sites is displayed in the report, Small Scale Hydro Potential in California, July 1980.

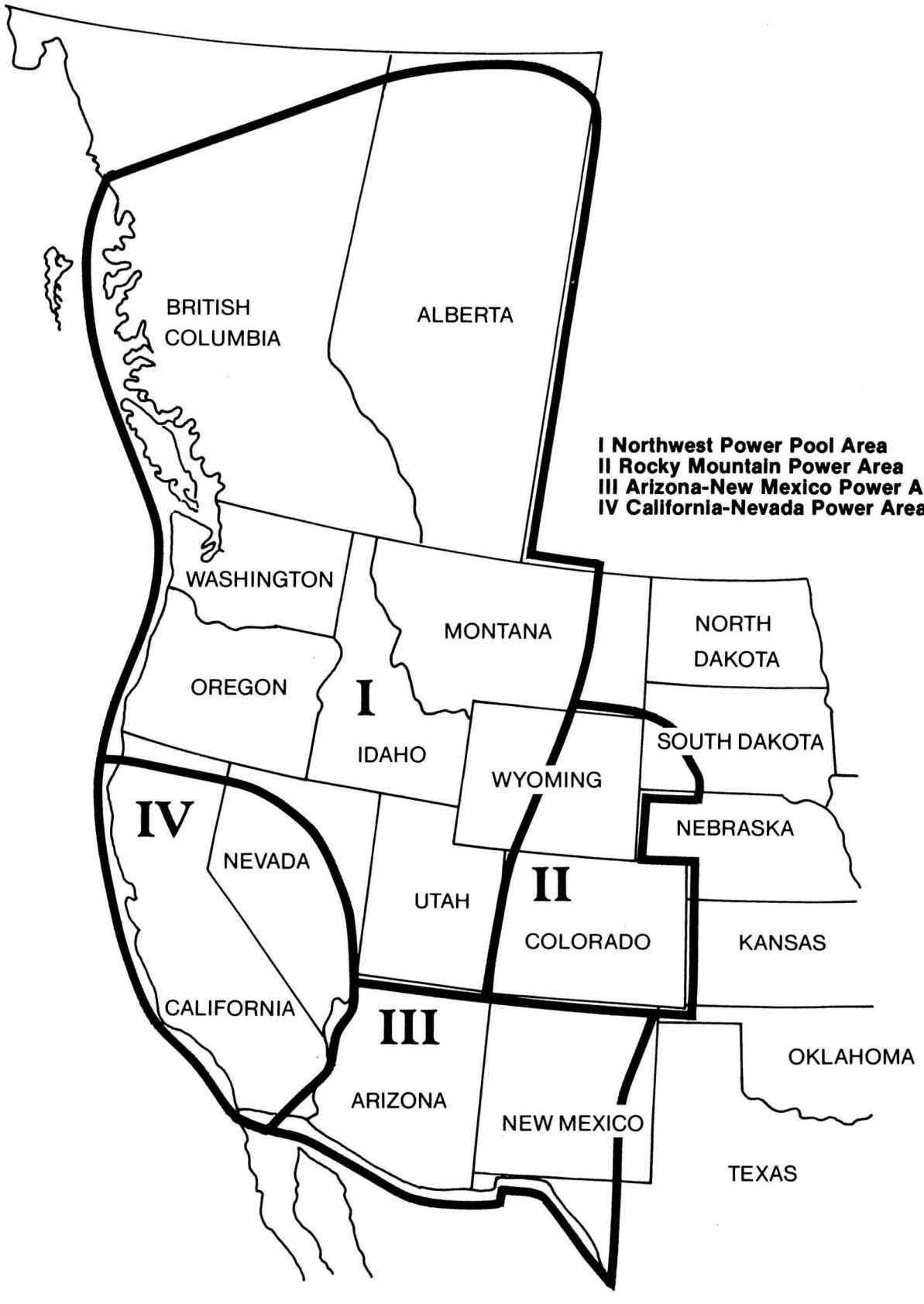
Chapter 2
RELIABILITY COUNCIL PROFILE

The Western Systems Coordinating Council (WSCC) region is the contiguous United States west of nominally the 105th Meridian plus the Canadian provinces of Alberta and British Columbia. The Provinces' power facilities are interconnected with those of the United States as provided in the Columbia River Treaty executed between Canada and the United States in the mid-1960's. Alberta has been a recent addition, joining the interconnected network in 1979.

The American portion of the WSCC region includes all of the States of California, Oregon, Washington, Idaho, Nevada, Utah, Arizona, Wyoming, and Colorado; three-fourths or more of Montana and New Mexico, excluding only their eastern margins; and small portions of South Dakota and Texas in their southwestern corners. For the remainder of this volume, the WSCC region is meant to include only the American portion, except that energy generated by Canada and sold to the United States under terms of the treaty is shown in following analyses as available to the United States. A map of the WSCC region is shown on Figure 2-1.

A short time before the WSCC was formed, the entire region it comprises had become electrically interconnected, and it was recognized that a formal organization would be needed to achieve maximum benefit. The purpose of WSCC has been to promote reliable operation of the interconnected bulk power systems through coordinated operation and to carry out planning for the region's generating and interconnected transmission facilities. WSCC was formed in 1967 with 40 signatory utilities. The "charter members" were electric systems generating or transmitting bulk power. Operating systems not eligible to become member systems under the bulk-power criteria can be admitted to WSCC as non-voting, affiliate members. The WSCC now consists of 44 member systems and 14 affiliate members from the United States and three member systems from Canada. The American systems include 19 private utilities, nine municipal utilities, 12 public power systems, and four Federal agencies. A listing of the charter and affiliate members of the WSCC is shown in Table 2-1.

The WSCC region is characterized by extremes in population density, in electric load density, and in distances between load centers and power-generating sources. There are numerous problems to be solved in providing reliable and adequate electric service to such a vast region. The WSCC region contains four distinct areas which differ in concentrations of various natural resources and in economic influences and which hence show differences in population and industrial development. These four areas have been, for the purposes of power operation and planning, identified as the: Northwest Power Pool Area, Rocky Mountain Power Area, Arizona-New Mexico Power Area, and California-Nevada Power Area. The map in Figure 2-1 shows the four power areas; the Canadian members belong to the Northwest Power Pool Area.



Source:"Coordinated Bulk Power Proagram," 1979-1989, Western System Coordinating Council, 1 April 1980

Figure 2-1
WESTERN SYSTEMS COORDINATING COUNCIL GENERAL LOAD AREAS

Table 2-1
WESTERN SYSTEMS COORDINATING COUNCIL

Member Systems (47)

Federal

Bonneville Power Administration
Corps of Engineers
Bureau of Reclamation
Western Area Power Administration

Arizona - New Mexico Power Area

Bureau of Reclamation
Western Area Power Administration

Arizona Electric Power Cooperative, Inc.
Arizona Power Authority
Plains Electric Generation and Transmission Cooperative, Inc.
Salt River Project

Arizona Public Service Co.
El Paso Electric Co.
Public Service Co. of New Mexico
Tucson Electric Power Co.

California - Nevada Power Area

Bureau of Reclamation
Western Area Power Administration

Department of Water Resources/California
Glendale Public Service Department
Los Angeles Department of Water and Power
Metropolitan Water District/Southern California
Pasadena, City of
Sacramento Municipal Utility District

Nevada Power Co.
Pacific Gas and Electric Co.
San Diego Gas and Electric Co.
Sierra Pacific Power Co.
Southern California Edison Co.

Northwest Power Pool Area

Bonneville Power Administration
Corps of Engineers
Bureau of Reclamation

British Columbia Hydro and Power Authority 1/
PUD #1 of Chelan County, Washington
PUD #1 of Cowlitz County, Washington
PUD #1 of Douglas County, Washington
Eugene Water and Electric Board
PUD #1 of Grant County, Washington
Seattle City Light
Tacoma City Light

Calgary Power, Ltd. 1/
Idaho Power Co.
Montana Power Co.
Pacific Power and Light Co.
Portland General Electric Co.
Puget Sound Power and Light Co.
Utah Power and Light Co.
Washington Power and Light Co.
West Kootenay Power and Light Co. 1/

Rocky Mountain Power Area

Bureau of Reclamation
Western Area Power Administration

City of Colorado Springs
Colorado-Ute Electric Association
Platte River Power Authority

Black Hills Power and Light Co.
Public Service Co. of Colorado
So. Colo. Power Div., Central Tel. & Util. Corp.
Tri-State G & T Association, Inc.

AFFILIATE MEMBERS (14)

Arizona - New Mexico Power Area

Electrical District No. 2, Coolidge, Arizona
Navajo Tribal Utility Authority

California - Nevada Power Area

Anaheim, City of
Lodi, City of
Northern California Power Agency
Palo Alto, City of
Redding, City of
Riverside, City of
Santa Clara, City of

Northwest Power Pool Area

Bountiful City Light and Power
Pud of Clark County, Washington
Garkane Power Association, Inc.
St. George, City of

Rocky Mountain Power Area

Lamar Utilities Board

1/ Canadian systems

2.1 TOPOGRAPHY AND SETTLEMENT

The WSCC region is much larger and more diverse geographically than any of the other regional reliability council areas. It is not possible, within the limitations of this report, to render a proper impression of the WSCC region's great diversity, but some generalizations can be made. The WSCC region is transected by two great north-south trending mountain ranges, the Sierra Nevada-Cascade Range and the Rocky Mountains, the latter range being the continental drainage divide. These two ranges, roughly parallel to one another and to the Pacific Coast, lie 400-700 miles apart east-west, and trend generally north-northwest. The Sierra Nevada-Cascades lie roughly 100 miles inland from the Pacific Coast. The eastern boundary of the WSCC region lies roughly parallel to, and generally 250 miles east of, the Rockies' crest.

Numerous lesser ranges branch from the two main ranges or stand isolated. Among these are the Coast Ranges, which front the Pacific Ocean for almost the entire length of the coastline; the Blue and Sawtooth Mountains of Oregon and Idaho, respectively; the Klamath Mountains of Oregon and California; the Basin and Ranges of Nevada, the Teton Range of Wyoming; the Uinta Mountains of Utah and Colorado; and the Panamint Ranges of extreme southern California. Two vast tableland areas, lying between the Sierra Nevada-Cascades and the Rockies, are the Colorado Plateau, in New Mexico and Arizona, and the Columbia Plateau, in Washington and Oregon. The Great Plains front the Rockies along the entire eastern edge of the WSCC region, from Montana to New Mexico and extreme west Texas.

Lower areas between the Sierra Nevada-Cascades and the Rockies, known as the Intermountain West, contain the driest lands to be found in the United States. These areas and even the Great Plains within the WSCC region are rainfall-deficient, i.e. precipitation is less than evapotranspiration. Hence, vegetation throughout much of the region is characteristic of steppes and deserts. Perennial streams flowing through these areas rise in the mountains, which are tree-covered except at the highest elevations. The general elevation of lower areas in the Intermountain West is about 4,000 feet, although these areas vary from about 1,000 to 6,000 feet, generally higher immediately west of the Rocky Mountains.

Valley areas west of the Sierra Nevada-Cascades are the WSCC region's lowest lands ranging from sea level to about 400 feet in elevation. They contain the heaviest widespread concentrations of population, especially in the Central Valley and the Los Angeles Basin of California. The western valleys of the Pacific Northwest, the Denver-Cheyenne area along the Rockies' eastern front, the Salt Lake City area in Utah, and the Phoenix area in southern Arizona are other heavily settled districts.

2.2 HYDROLOGIC CONDITIONS

The WSCC region's climate, because there is a large difference in latitude and because the principal mountain ranges lie across the path of prevailing westerly winds, shows as great a diversity as do its landforms. As stated previously, most of the region is moisture-deficient. Furthermore, the relatively humid areas west of the Sierra Nevada-Cascade Ranges experience dry summers, which are especially intense to the south. Only in the extreme northwest corner of the WSCC region does rainfall regularly come in sufficient amounts that natural vegetation is not stressed during dry periods. In the Rockies, and generally in the easterly parts of the WSCC region, summer precipitation is relatively more prevalent than further west, although the quantity received is not large.

Because of the region's climatic diversity and the positioning of its mountain ranges, there is great variation in the hydrology of streams. Some of the largest streams, because they rise in the Rocky Mountains, have large runoff in May-June, when snow accumulated through the winter melts and runs off. The Columbia Missouri, Colorado, and Snake Rivers, the latter a tributary of the Columbia, drain the largest areas. The Sacramento and San Joaquin Rivers, which drain the Central Valley of California, and the Arkansas, which drains the east slope of the Rockies in Colorado, are other important streams in the drier parts of the region. In the Northwest, several tributaries of the Columbia as well as short, large streams draining to Puget Sound are larger in runoff than those in the eastern and southern parts of the WSCC region, because of the large amount of precipitation on the Northwest Coast. The three typical annual streamflow patterns, called hydrographs, for the WSCC region are, then, a streamflow maximum in spring, found throughout most of the region east of the Sierra Nevada-Cascades; a streamflow maximum in winter, found in streams emanating from lower areas west of the Sierra Nevada-Cascades, draining relatively small areas, and with the more northerly streams showing large total runoff per unit area drained; and a mixture of the two above types, in which streamflows are fairly high through winter and early spring, characteristic of streams originating in the Sierra Nevada and Cascade Ranges. In general, the drier the headwater areas, the greater the variation in streamflow, both in the annual cycle and from year to year.

As might be expected, the WSCC region's hydrologic conditions greatly influence the hydropower plants that have been constructed there. For all plants, total runoff is the principal constraint on the capacity and energy available, but the timing of runoff in relation to the demand for electric-power is also significant.

2.3 ECONOMICS OF AREA

Earnings, per capita income, and population for the WSCC region's four power-service areas are shown in Table 2-2. The accompanying graphic and economic data for WSCC were obtained from economic areas as defined by the Bureau of Economic Analyses (BEA), U.S. Department of Commerce; the BEA areas correspond reasonably close but not exactly to the WSCC boundaries. Areas of the WSCC region are shown on Figure 2-1; the BEA areas are shown on Figure 2-2, and approximate the power areas within the WSCC region as follows:

Table 2-2
EARNINGS, POPULATION, AND PER CAPITA INCOME, WSCC
1970

	Arizona New Mexico Power Area	California Nevada Power Area	Northwest Power Pool Area	Rocky Mtn. Power Area	Entire WSCC Region
Industrial sector earnings [1] (million $)					
Agriculture	373	1,907	1,162	378	3,820
Mining	339	1,348	242	223	1,151
Construction	538	3,591	1,277	484	5,890
Manufacturing	990	14,398	4,468	1,003	20,859
Transportation utilities	478	4,548	1,560	543	7,129
Trade	1,192	10,694	3,610	1,175	16,671
Finance	357	3,397	949	341	5,045
Services	1,209	10,845	2,889	1,000	15,943
Government (Public)	1,893	13,426	4,479	1,599	21,397
Total earnings	7,369	64,154	20,636	6,746	97,905
(million $) [1]	3,050	20,523	8,000	2,533	34,106
Population (thousands)	3,011	3,927	3,273	3,353	3,649
Per capita income ($) [1]					
Per capita income relative to the U.S.	0.866	1.129	0.942	0.965	1.050

Source: U.S. Water Resources Council, "1972 OBERS Projections," Vols. 1 and 2 (April 1974)

Notes: Due to rounding, the sum of parts may not equal totals. The sum of sector earnings may not equal total earnings since some data for individual REA sector earnings was deleted to avoid disclosure of data pertaining to a particular establishment.

Per capita income is total personal income divided by the population of the area. Total personal income is the sum of earnings (wages, salaries, proprietors' income and other labor income), property income and transfer payments, less personal contributions for social insurance.

[1] Constant 1967 dollars.

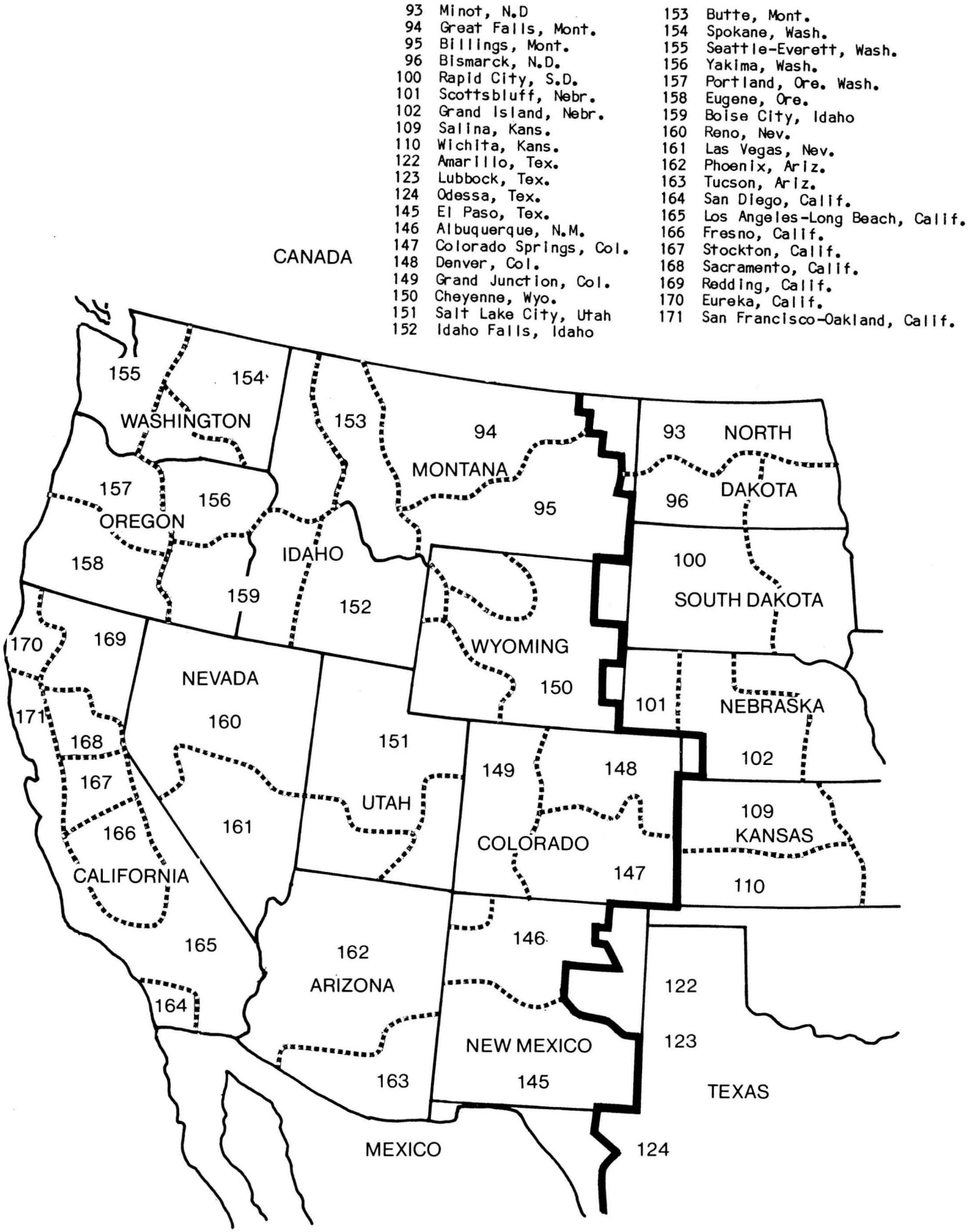


Figure 2-2
BEA ECONOMIC AREAS, WSCC REGION

Power Areas (WSCC)		Economic Areas (BEA)
Arizona-New Mexico Power Area	-	145, 146, 162, 163
California-Nevada Power Area	-	160, 161, 164-171
Northwest Power Pool Area	-	94, 95, 151-159
Rocky Mountain Power Area	-	147-150

The differences between actual power areas and those defined in terms of BEA economic areas are negligible. In any case, the totals for the WSCC region are rendered to greater accuracy than those for the power areas.

Population

Between 1950 and 1970, the WSCC region's population increased at an average annual rate of 2.8 percent. Its share of the national population, 17 percent in 1970, has been increasing, indicating that its population growth rate is higher than the national rate. In 1970 the California-Nevada Power Area contained 61 percent of the WSCC region's population. The southern part of this power area, especially, has exhibited a higher population growth rate than is found in the other WSCC power areas; the average annual population growth rate in southern California and southern Nevada was 3.5 percent between 1950 and 1970, an especially significant increase in view of the fact that this area had already been heavily populated. The more northerly part of the California-Nevada Power Area has grown at about the same rate as the WSCC region as a whole. The Northwest Power Pool Area contained 23 percent of the WSCC region's population in 1970; population here has been growing at 1.5 percent annually, about the same rate as the United States average, but lower than the WSCC regional average. The Arizona-New Mexico Power Area included approximately 9 percent of the WSCC region's population in 1970 and has experienced a population growth of 3.4 percent between 1950 and 1970. The Rocky Mountain Power Area, with 7 percent of the WSCC region's population in 1970, grew by about 2.5 percent annually between 1950 and 1970.

Sources of Income

The primary source of income in the WSCC region has been from government and manufacturing sectors of the economy. The service and trade sectors also are important. Government-sector earnings originating in the WSCC region in 1970 represented 22 percent of the national total, while the corresponding figure for mining and agriculture was about 20 percent. The WSCC region's manufacturing industries, although largest in the region in terms of dollar earnings, produced only 13 percent of the nation's earnings from manufacturing. From 1950 through 1970, total earnings in the WSCC region increased at an average rate of about 5 percent annually. The WSCC region's share of national earnings was about 17 percent in 1970.

The individual power-service areas show distributions of industrial sector earnings similiar to the overall WSCC region. As would be expected from the preponderence of population, the California-Nevada Power Area produces the largest percentage of the WSCC region's earnings. The Northwest Power Pool Area produced approximately 22 percent of the WSCC region's earnings in 1970, with agriculture, manufacturing, and trade furnishing relatively large

shares (compared to WSCC region as a whole) of its income. Trade and government are the major sources of earnings in the Rocky Mountain and Arizona-New Mexico Power Areas, which in addition, are the foremost contributors to mining earnings originating in the WSCC region.

Per capita income in the WSCC region has been growing at an average annual rate of 2.2 percent from 1950 through 1970, and in 1970 was 5 percent higher than the national average. The California-Nevada Power Area's per capita income was substantially higher than the U.S. average. The Arizona-New Mexico Power Area had the lowest per capita income, but experienced the highest growth rate between 1950 and 1970. The Rocky Mountain Power Area experienced a per capita income growth rate of 2.4 percent from 1950 through 1970, but its per capita income is still less than the WSCC regional average. The Northwest Power Pool Area had a low 1970 per capita income, and its annual growth rate has been slightly less than the WSCC regional average. Per capita income for each of the four power areas and the corresponding indices with respect to the 1970 national average are shown in Table 2-2.

2.4 MAJOR ENERGY USERS

The relative proportion of electrical energy consumed during 1977 by the major consumer categories (residential, commercial, and industrial) for representative utilities in each of the four power areas is given in Table 2-3. The three categories are fairly evenly divided, but some diversity exists among power areas. Too many variables influence electrical energy consumption to allow much generalization; among these are character of the utility's loads, power cost, climate, extent of industrialization, and reporting criteria. The relatively high proportion of residential consumption shown for the Northwest and Arizona - New Mexico may reflect relatively larger heating and air conditioning loads, respectively. In addition, relatively cheap hydropower, at least in the Northwest, has fostered the use of electricity for home heating, rather than oil and gas, which are the preferred prime-moving types elsewhere.

The demand for electricity by all consumer categories has increased during the last six years except in 1974, possibly a result of conserving all energy sources following the 1973 oil embargo. In general, the residential and commercial categories have shown the highest increases in consumption, with the greatest residential increases occurring in the Northwest Power Pool Area, while the highest increases in the commercial category occurred in the Arizona-New Mexico Power Area. Industrial consumption has shown the slowest growth rates; it actually decreased in 1974 and 1975 at numerous utilities, except in the Rocky Mountain Power Area, where consumption grew faster than the other consumer categories. Annual growth rates of electric demand by consumer category for the period 1972-1977 are given in Table 2-4.

Table 2-3
PROPORTION OF ELECTRICAL ENERGY CONSUMPTION BY MAJOR CATEGORIES FOR REPRESENTATIVE UTILITIES IN WSCC REGION, 1977

Representative Utilities	Consumer Categories		
	Residential	Commercial	Industrial
	(percent)		
ARIZONA-NEW MEXICO POWER AREA			
Salt River (Irrigation) Proj.	46		54 2/
CALIFORNIA-NEVADA POWER AREA			
So. Calif. Edison Co. 3/	32	31	37
Pacific Gas & Elec. Co. 3/		71 4/	29
NORTHWEST POWER POOL AREA			
Pacific Power & Light Co.	38	26	36
ROCKY MOUNTAIN POWER AREA			
Public Service Co. of Colo. 1/	26	33	41

Source: 1977 annual reports of respective utilities

1/ Data are estimated from graphs; industrial category includes other consumers

2/ Commercial and industrial categories are combined

3/ Values shown are for 1976; data are estimated from graphs

4/ Commercial and residential categories are combined

Table 2-4
ANNUAL GROWTH RATES OF ENERGY CONSUMPTION BY CONSUMER CATEGORIES
(percent)

Representitive Utilities	Residential						Commercial						Industrial						Total					
	1972	1973	1974	1975	1976	1977	1972	1973	1974	1975	1976	1977	1972	1973	1974	1975	1976	1977	1972	1973	1974	1975	1976	1977
NORTHWEST POWER POOL AREA																								
Pacific Power & Light Company	NA	NA	2.2	7.2	1.9	2.3	NA	NA	0.9	9.1	5.3	7.6	NA	NA	1.1	(1.2)	8.5	5.2	NA	NA	1.5	4.6	9.9	4.7
Portland General Elec. Company	4.8	1.3	0.3	6.0	0.8	1.9	12.3	5.6	(0.6)	20.4	(3.9)	4.3	12.4	4.8	2.4	(19.8)	27.4	1.4	8.8	3.4	0.7	1.4	6.1	8.6
PUD. No. 1 of Douglas County 4/	-	-	4.3 1/	12.9	NA	NA							-	-	-	-	-	-	-	-	4.5 1/	37.3	NA	NA
Puget Sound Power & Light Company	9.9 2/	1.2	2.6	9.8	8.0	3.3	13.1 2/	9.6	(1.7)	10.9	6.8	4.0	8.0 2/	9.4	0.4	(0.4)	(1.5)	1.7	10.2 2/	4.9	1.1	7.8	5.7	9.1
Utah Power & Light Company	NA	12.3	11.4	2.6	4.6	3.3	NA	11.0	4.7	5.6	8.9	5.5	NA	14.5	(1.3)	13.1	(3.9)	14.7	NA	13.0	3.9	8.0	1.5	8.9
ROCKY MOUNTAIN POWER AREA																								
City of Colorado Springs 4/	13.7	11.0	1.4	4.3	3.2	2.7							-	-	-	-	-	-	13.3	7.6	2.1	9.1	12.4	2.0
Public Service Company of Colorado 5/	NA	8.5	7.8	9.8	1.3	3.9	NA	11.2	2.3	4.5	6.5	3.8	NA	4.9	27.7	1.8	0.0	14.3	NA	9.8	9.8	7.8	4.5	9.6
ARIZONA-NEW MEXICO POWER AREA																								
El Paso Electric Company 6/	8.0	8.8	1.3	2.2	4.3	7.1	12.7	12.9	1.9	4.5	6.2	0.6	-	-	-	-	-	-	10.9	11.3	1.7	3.7	5.5	2.9
Public Service Company of New Mexico	9.0	11.2	5.4	5.7	4.7	4.4	11.2	12.7	1.7	4.4	8.4	3.4	5.9	(5.7)	(10.8)	(3.5)	14.2	13.4	9.0	7.1	(0.2)	3.1	8.4	14.8
Salt River Project	15.4 2/	-	-	-	6.7 3/	8.1	15.4 2/	-	-	-	8.1 3/	3.7	-	-	-	-	-	-	15.4 2/	-	-	-	7.5 3/	5.7
Tuscon Gas & Electric Company	NA	NA	NA	-	0.6	NA	NA	NA	NA	-	4.9	NA	NA	NA	NA	-	7.4 8/	NA	NA	NA	NA	-	5.0	NA
SOUTHERN CALIFORNIA-NEVADA POWER AREA																								
Los Angeles Department of Water & Power	5.7	1.7	(8.5)	NA	NA	NA	6.4	5.4	(12.5)	NA	NA	NA	4.4	1.9	0.0	NA	NA	NA	5.8	3.7	(9.0)	NA	NA	NA
San Diego Gas & Electric Company 7/	9.5	8.2	1.1	6.5	6.2	4.3	9.1	7.0	(3.7)	6.5	2.0	1.7	-	-	-	-	-	-	9.3	7.4	(1.9)	6.5	3.7	2.7
Southern California Edison Company 9/	-	0.0	(3.4)	0.0	3.5	0.0	-	8.1	(7.5)	8.1	3.7	3.6	-	2.8	(0.6)	(3.0)	3.1	3.0	-	2.2	(4.4)	1.1	3.4	2.2
NORTHERN CALIFORNIA-NEVADA POWER AREA																								
Pacific Gas & Electric Company 10/	7.0	6.5	(1.0)	5.2	3.7	NA	-	-	-	-	-	-	11.5	9.5	(9.4)	0.8	9.5	NA	8.3	7.4	(0.7)	3.7	5.3	NA
Sacramento Municipal Utility District 11/	7.5	8.1	1.6	6.8	3.4	5.7	-	-	-	-	-	-	8.2	5.9	(4.6)	6.7	5.4	1.6	7.9	6.9	(1.8)	6.8	4.4	3.5

1/ Average Annual Growth Rate over a three-year period.
2/ Average Annual Growth Rate over a five-year period.
3/ Average Annual Growth Rate over a four-year period.
4/ Commercial and industrial categories not available.
5/ PSC data was estimated from graphs. Industrial category includes others.
6/ Commercial and industrial small and large are combined and shown under the Commercial category.
7/ Commercial and industrial are combined and shown under the Commercial category.
8/ Industrial is the sum of large users and mining.
9/ Data estimated from graphs.

2.5 FUTURE DEVELOPMENT

Population

Despite the large geographical area encompassed within the WSCC region, its share of the national population is expected to increase only slightly by the end of this century from the 17 percent it contained in 1970. During this same period, population of the WSCC region is projected to increase from about 34.1 to 45.4 million. Historic and projected population levels for the WSCC region and power areas for 1970, 2000, and selected intermediate years are shown in Table 2-5.

Table 2-5
POPULATION PROJECTIONS, WSCC REGION AND POWER AREAS
(In thousands)

Power Area	1970	1980	1985	1990	2000
Arizona-New Mexico Power Area	3,050	3,513	3,785	4,082	4,503
California-Nevada Power Area	20,523	23,059	24,381	25,821	27,973
Northwest Power Pool Area	8,000	8,423	8,734	9,060	9,506
Rocky Mountain Power Area	2,533	2,889	3,038	3,197	3,442
WSCC Region	34,106	37,884	39,938	42,160	45,424

The population growth rate in the WSCC region is expected to slow from the historical average annual growth rate of 2.8 percent between 1950 and 1970 to about 0.8 percent from 1970 through 2000. Of the subregions, the Arizona-New Mexico Power Area is expected to have the highest population growth rate and the Northwest Power Pool Area the lowest. Present (1970) and projected distribution of population within the WSCC region is shown in Table 2-6.

Table 2-6
PROJECTED GEOGRAPHIC DISTRIBUTION OF POPULATION, WSCC REGION

Power Area	Percent of WSCC Population	
	1970	2000
Arizona-New Mexico Power Area	8.9	9.9
California-Nevada Power Area	60.2	61.6
Northwest Power Pool Area	23.4	20.9
Rocky Mountain Power Area	7.5	7.6

Income

As in the case for population, the WSCC region's share of national personal income is expected to only slightly increase between 1970 and 2000. Earnings and total personal income, in constant dollars, are projected to grow, respectively, at 3.4 and 3.5 percent annually. The Arizona-New Mexico and the Rocky Mountain Power Areas are expected to show the region's highest growth rates in earnings, and the Northwest Power Pool Area the lowest.

Commercial and Industrial Development

According to projections of earnings in the various economic sectors, services and the government sector will provide the greatest earnings in the year 2000. In terms of total earnings nationally, mining, government, and agriculture show a larger portion of earnings in the WSCC region than do the other sectors, indicating a concentration of these three economic sectors in the WSCC region. The region's manufacturing sector is projected to grow apace with manufacturing sectors in the rest of the nation. Nevertheless, the portion of total national manufacturing earnings originating in the WSCC region is expected to remain significantly less than the portion of total national earnings for other economic sectors in the WSCC region.

For the year 2000, agriculture earnings are expected to be concentrated in the Northwest Power Pool Area, services earnings to be well represented in the Rocky Mountain and Arizona-New Mexico Power Areas, and transportation utility earnings to be relatively high especially in the northern part of the California-Nevada Power Area.

2.6 ELECTRIC UTILITY OPERATING PROCEDURES IN THE WSCC REGION

The utility systems of the WSCC region recognize coordination and communication as the fundamental elements needed to assure a high degree of interconnected system reliability. The WSCC is comprised of 34 load control areas and an extensive communication network which provides for coordinated system operation.

Coordination Among Area Control Centers

Figure 2-3 diagramatically illustrates the WSCC load control areas and associated interconnections. Only one interconnection is shown between any two control areas, but the interconnection actually may consist of numerous ties of different voltage levels. Contractual interconnections for power scheduling are not shown, since they are too numerous to clearly illustrate on this diagram. A list of the WSCC load control areas and systems within the control areas is provided in Table 2-7.

The interconnection of power systems resulting from economics and greater reliability of combined operation has made it necessary to also extend communication facilities between system dispatching offices of the interconnected systems to facilitate power scheduling, coordination of joint operations, and exchange of information important to interconnected system reliability. For examples, key transmission-line outage schedules are passed along through a predetermined notifying chain to a coordinator in each power area and redistributed as needed, and disturbance information is rapidly disseminated through system-to-system channels. Communication channels are provided by various means, such as privately owned microwave systems, powerline carrier circuits, radio, channels leased from common-carrier telephone companies, and facsimile-voice.

Reliability of communication control channels is necessary for efficient operation and system reliability. Alternate channels over diverse routes to major generation and tie points and control centers also are available and are frequently used to enhance reliability of communications. Separate power supplies independent of system power are made to microwave and power-line carrier installations, to help insure continuous communication for operating the interconnected power system.

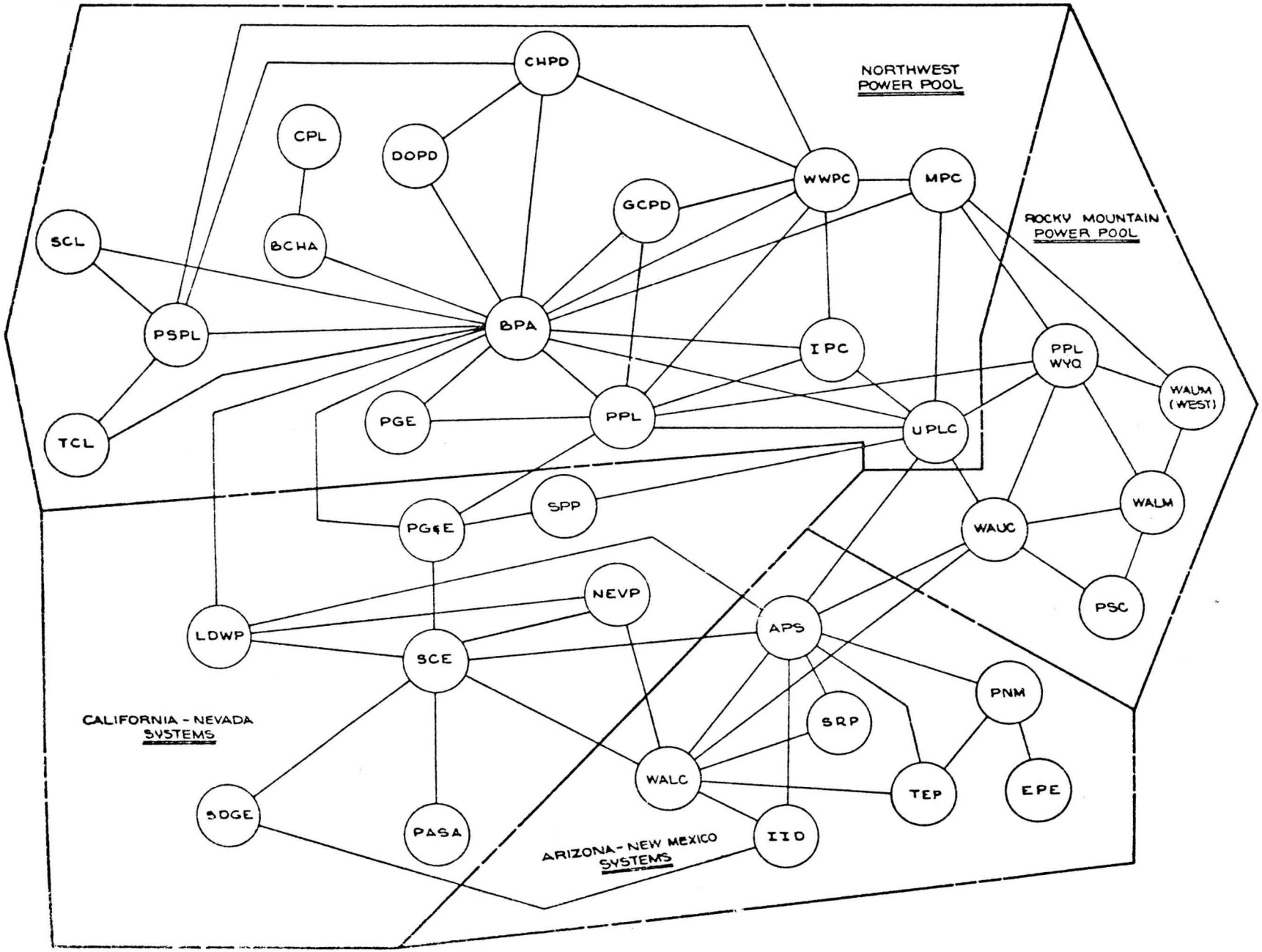


Figure 2-3
LOAD CONTROL AREAS AND POWER SYSTEM INTERCONNECTIONS, WSCC

Table 2-7
LOAD CONTROL AREAS AND POWER SYSTEM INTERCONNECTIONS

APS - Arizona Public Service Co.
  Controls for:
    Arizona Power Authority
BCHA - British Columbia Hydro & Power authority
  Controls for:
    Aluminum Smelters & Chemical Co. Ltd.
    West Kootenay Power & Light Co.
BPA - Bonneville Power Administration
  Controls for:
    Corps of Engineers (North Pacific Division)
    Cowlitz County PUD
    Eugene Water & Electric Board
    USWP Pacific Northwest Region
CPL - Calgary Power Ltd.
  Controls for:
    Alberta Power Limited
    Edmonton Power
    City of Medicine Hat, Alberta
CHPD - Chelan County PUD SDGE
DOPD - Douglas County PUD
EPE - El Paso Electric Co.
GCPD - Grant County PUD
IID - Imperial Irrigation District
IPC - Idaho Power Company
  Controls for:
    BPA/USWP Southern Idaho load area
LDWP - Los Angeles Dept. of Water & Power
  Controls for:
    City of Burbank, California
    City of Glendale, California
MPC - Montana Power Company, The
NEVP - Nevada Power Company
  Controls for:
    Division of Colorado River Resources,
    State of Nevada
PASA - Pasadena, City of, California
PG&E - Pacific Gas & Electric Co.
  Controls for:
    Department of Water Resources/California
    Modesto Irrigation District
    Sacramento Municipal Utility District
    City and County of San Francisco, California
    Turlock Irrigation District
    WAPA Mid-Pacific Region
PGE - Portland General Electric Co.
PPL - Pacific Power & Light Co.
PPL-WYO - Pacific Power & Light Co., Wyoming Division
PSC - Public Service Company of Colorado
  Controls for:
    City of Colorado Springs, Colorado
    Southern Colorado Power Co.
    City of Lamar, Colorado
PNM - Public Service Company of New Mexico
  Controls for:
    Community Public Service Company
    Plains Electric Generation and
    Tranmission Cooperative, Inc.
    WAUC load at Los Alamos, New Mexico
PSPL - Puget Sound Power & Light Co.
  Controls for:
    Snohomish PUD load in PSPL area
SCE - Southern California Edison Co.
  Controls for:
    Metropolitan Water District of
    Southern California
SCL - Seattle City Light
- San Diego Gas & Electric Co.
SPP - Sierra Pacific Power Co.
  Controls for:
    Mt. Wheeler Power, Inc.
SRP - Salt River Project
TCL - Tacoma City Light
TEP - Tucson Electric Power Co.
UPLC - Utah Power & Light Co.
  Controls for:
    BPA/USWP Palisades load area
    WAUC Preference Customer
WALC - Western Area Power Administration,
Lower Colorado Region
  Controls for:
    Arizona Electric Power
    Cooperative, Inc.
    USWP-Lower Colorado Region
WALM - Western Area Power Administration,
Lower Missouri Region
  Controls for:
    Black Hills Power & Light Co.
    Cheyenne Light, Fuel & Power Co.
    Platte River Power Authority
    Tri-State Generation &
    Transmission Association
    USWP-Lower Missouri Region
WAUC - Western Area Power Administration,
Upper Colorado Region
  Controls for:
    Colorado-Ute Electric
    Association, Inc.
    City of Farmington, New Mexico
    Moon Lake Electric Association
    USWP-Upper Colorado Region
WAUM - Western Area Power Administration,
Upper Missouri Region
  Controls for:
    USWP-Upper Missouri Region
WWPC - Washington Water Power Co.

Operating Reserve Policy

The WSCC's Minimum Operating Reliability Criteria (Section 3) specify among other things that adequate capacity be available at all times to supply requirements for load-frequency control and to replace capacity loss.

Criteria are specified for each control area to (1) maintain as-defined minimum operating reserve; (2) restore as promptly as practicable any operating reserve it has been necessary to use; (3) analyze its potential for isolation and take appropriate measures to balance its load and generation (Under written agreement, the operating reserve requirements of two or more control areas may be combined or shared, providing that such combination, considered as a single control area, meets the obligations of paragraph 3.1. Similarly, arrangements may be made whereby one control area supplies a portion of another's operating reserve, provided that such capacity can be made available in such a manner that both areas meet the requirements of paragraph 3.1.); and (4) operate reserves with other control areas. The criteria call for prudent operating judgment in distributing operating reserves, with effective utilization of capacity in an emergency, time required to be effective, transmission limitations, and local area requirements to be considered. Frequent review of contingencies and designations of the maximum first contingency for determining the amount of operating reserve are also called for. The operating-reserve criteria have been under almost continuous review since their adoption in 1970. A major revision of the criteria is expected to be published during 1981.

Coordination For Maintenance Outages

All WSCC member systems schedule maintenance outages of generating units on an annual basis, and of transmission line outages when they would least affect the reliability of the interconnected systems. All systems have determined which of their transmission lines are critical to the reliable operation of the interconnected system. Lists of those facilities are published and reviewed frequently to insure that those lines which have a bearing on the reliability of the region are included. Outages of these lines or other critical facilities, whether planned or emergency, are reported to all WSCC systems which might be affected.

Relays That Affect Overall Reliability

The power areas and individual systems within the WSCC have evolved practices in the selection, setting, and maintenance of relays which are appropriate for the conditions experienced. The WSCC compiles relay setting and maintenance information and provides updated information to its member systems. The power areas have adopted relay practices applicable within their areas. The WSCC member systems, as a whole, apply state-of-the-art relaying schemes to provide protection for the bulk power transmission lines. Coordination of relay settings and schemes between member electric systems is accomplished through cooperation between the relay of affected systems.

Chapter 3
EXISTING ENERGY SYSTEMS

As of January 1, 1980, the WSCC region had a total installed generating capability of 114,438 megawatts. As shown in Table 3-1, the Northwest Power Pool area dominated with 48.3 percent (55,202 MW) followed by California-Nevada with 35.0 percent (40,103 MW), Arizona-New Mexico with 10.9 percent (12,449 MW), and, Rocky Mountain with 5.8 percent (6,584 MW).

Table 3-1
WESTERN SYSTEMS COORDINATING COUNCIL
EXISTING GENERATING CAPABILITY AS OF JANUARY 1, 1980
(winter capability-MW)

Generation Type	Northwest Power Pool Area	Rocky Mountain Power Area	Arizona-New Mexico Power Area	California Nevada Power Area	WSCC Total	Percent of Total
HYDRO-CONVENTIONAL	38672	2060	643	8534	49909	43.5
HYDRO-PUMP STORAGE	100	162	137	1697	2096	1.8
STEAM - COAL	10285	3168	6573	1910	21936	19.2
STEAM - GAS & OIL	2379	374	2858	22629	28240	24.7
NUCLEAR	1920	200	0	1402	3522	3.1
COMBUSTION TURBINE	1205	667	1389	2018	5279	4.6
COMBINED CYCLE	534	0	834	1170	2538	2.2
GEOTHERMAL	0	0	0	663	663	0.6
INTERNAL COMBUSTION	48	53	15	80	196	0.2
OTHER	59	0	0	0	59	0.1
TOTAL	55202	6684	12449	40103	114438	100.0
PERCENT OF WSCC TOTAL	48.3%	5.8%	10.9%	35.0%	100.0%	

Source: Summary of Estimated Loads and Resources, Data as of January 1, 1980, Western Systems Coordinating Council, April 1980.

3.1 NONHYDROELECTRIC GENERATING CAPACITY

In addition to hydropower, the WSCC region relies on numerous other forms of power generation for its electrical energy supplies. Following hydropower in order of energy provided are gas- and oil-fired steam, coal-fired steam, nuclear, combined cycle, geothermal, oil- and gas-powered combustion turbine, and internal combustion. A small amount is provided by unclassified sources. (Figure 3-1 shows the amount of generating capability by type of fuel also for 1979). The various types of nonhydroelectric generation are discussed in the following paragraphs. A summary of all sources of electrical energy generated in the region during 1979 is shown in Table 3-2.

Oil- and Gas-Fired Steam

Oil- and gas-fired steam generation is relied upon for about 25 percent of the WSCC region's power supply and about 29 percent of its electrical energy. Almost seven-eighths of the region's oil- and gas-fired steam capacity is in the California-Nevada Power Area, with the lion's share of that situated in southern California, near the petroleum fields. Most of the region's remaining oil- and gas-fired steam capacity is in the Arizona-New Mexico Power Area, while the other two power areas are barely represented.

Oil- and gas-fired generation provides over half of all electrical energy consumed in the California-Nevada Power Area, which contains the largest population in the WSCC region. A majority of the energy from these sources is produced from oil, which is used to a maximum in winter and less in summer. Gas is used minimally in winter, but is relied on about as much as oil from March through October and in some of these months is used even more than oil. In southern California, the most heavily populated district in the WSCC region, oil is more heavily relied upon relative to gas than is the case further north. In the Arizona-New Mexico Power Areas use of natural gas is at least double that of oil except in midwinter; this power area has relatively short pipeline access to the natural gas fields of west Texas.

There are five oil-fired generating plants in the region whose capacities are 1,500 MW or more. The Ormond Beach plant owned by Southern California Edison Company, and the Moss Landing plant, owned by Pacific Gas and Electric Company, both have two massive oil-fired generators whose individual capacities exceed 700 MW. The largest gas-fired unit is Scattergood 3, owned by the City of Los Angeles' Department of Water and Power. Several large oil-fired units are alternatively capable of being fired by natural gas, however. Many of the oil- and gas-fired generators in the region are set up to use either kind of fuel.

The future potential of oil- and gas-fired generation is limited in a long-term sense because these nonrenewable resources will become less available and, relative to other fuels, more expensive. The future appears even less promising if the nation's increasing dependence on imported oil is

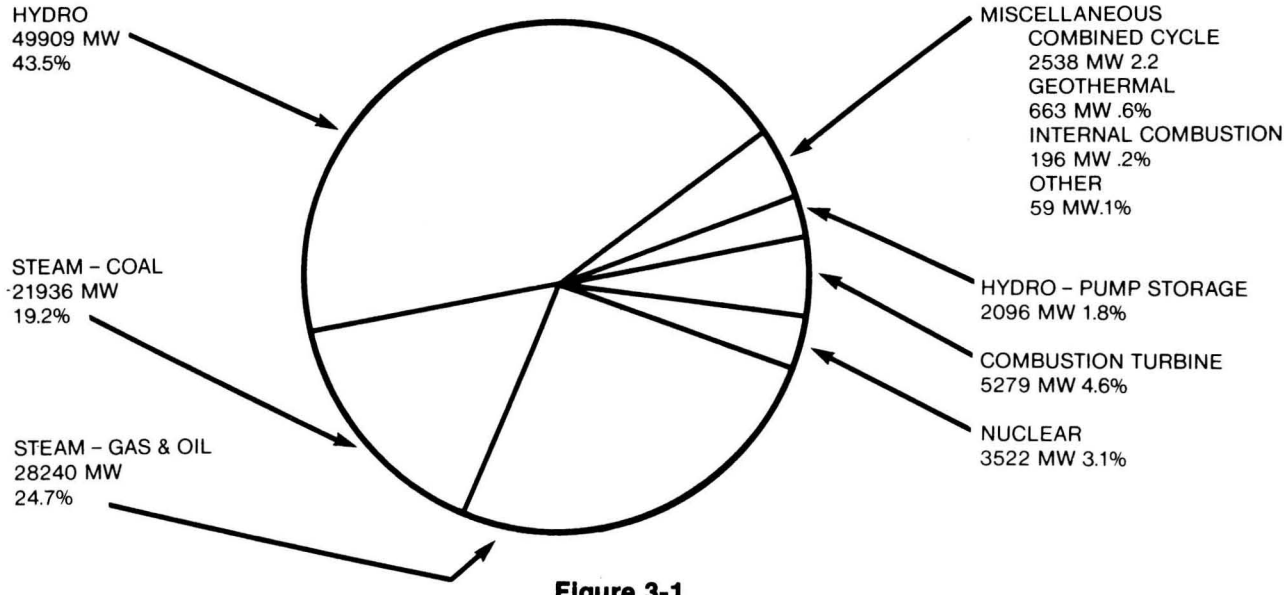


Figure 3-1
WSCC GENERATION AS OF JANUARY 1, 1979

Table 3-2
SUMMARY OF ACTUAL ENERGY SOURCES, WSCC REGION[1]
(1979)

Type	POWER AREA NWPP	RMPA	AZ-NM	CAL-NEV	TOTAL WSCC	PERCENT OF TOTAL
	(thousands of megawatt-hours)					
Hydro-Conventional[2/]	125,503	7,491	3,008	33,904	169,906	40.2
Hydro-Pumped Storage	0	215	79	431	725	0.2
Steam - Coal	41,860	16,499	4,618	22,229	105,206	24.9
Steam - Oil	303	134	3,330	61,521	65,288	15.5
Steam - Gas	581	2,322	7,034	45,442	55,379	13.1
Steam - Nuclear	8,634	183	0	9,047	17,864	4.2
Combustion Turbine-Oil	20	198	101	540	859	0.2
Combustion Turbine-Gas	385	553	698	810	2,446	0.6
Combined Cycle-Oil	577	0	403	1,026	2,006	0.5
Combined Cycle-Gas	0	0	1,540	556	2,096	0.5
Geothermal	0	0	0	3,891	3,891	0.9
Internal Combustion	0	15	0	2	17	0.0
Fuel Cells	0	0	0	0	0	0.0
Not Classified & Other	705	0	250	1,035	1,990	0.5
Pumped Stor. Pump Req.	0	-399	-115	-412	-926	-0.2
Inadvertent Interchange	-4,003	126	-393	-454	-4,724	-1.1
Total of Energy Sources	174,565	27,337	40,553	179,568	422,023	100.0

Source: Summary of Estimated Loads and Resources, Data as of January 1980, Western Sytems Coordinating Council, April 1980.

Notes:

1/ Excludes Canadian systems.

2/ Reflects actual hydropower generation.

3/ Inadvertent interchange is the difference between scheduled and actual energy interchange among power areas.

taken into account. Environmental impacts of oil- and gas-fired generation are generally considered to be less severe at the plant sites than most forms of thermal generation, but some environmental problems occur in the oil and gas fields and with the pipelines.

Coal-Fired Steam

Coal-fired steam plants, with about 19 percent of the WSCC's capacity generate almost 25 percent of the region's electrical energy. If oil and gas are considered separately, coal is easily the most used prime mover among the region's thermal power plants. In generating capacity, the Northwest, Arizona-New Mexico, Rocky Mountain, and California-Nevada power areas rank in that order; in energy produced, California-Nevada is third ahead of Rocky Mountain Region. In spite of its low ranking, the Rocky Mountain Power Area leads the WSCC region in number of coal-fired plants. Almost four-fifths of the region's coal-fired powerplants are privately owned. Both large and small plants are represented among public as well as private generating facilities.

Coal-fired steam generation is an especially important source of power in the Arizona-New Mexico Power Area, furnishing about 60 percent of the energy consumed there throughout the year. Six large plant complexes have been developed during the 1960's and 1970's. All but one of these plants use sub-bituminous coal, the lowest-ranking coal used for power generation in the WSCC region, bituminous coal being used at all others. These plants have been developed close to sources of coal, which in some cases is strip-mined. The two largest coal-fired plants in the WSCC region, at over 2,000 MW each, are located in this power area at Page, Arizona, and Farmington, New Mexico.

Because of the large hydroelectric generating resources in the Northwest Power Pool Area, the role of coal-fired generation there tends to be obscured. Nevertheless, it produces nearly one-fifth of the NWPP's electrical energy and greatly exceeds other forms of thermal generation there. Almost 90 percent of the NWPP coal-fired capacity is in Utah and western Wyoming, near the coal fields there.

The Rocky Mountain Power Area contains the oldest and smallest coal-fired power plants in the WSCC region, but even so most of these plants have been constructed since 1950. Nearly all the WSCC region's coal-fired generating capacity is concentrated near the Rocky Mountain coal fields.

The WSCC region's coal-fired plants are used in base-load applications to the extent possible. Plant factors even in the slowest months are close to 60 percent and in heavy-use months often exceed 80 percent. In the southerly parts of the WSCC region, they are relied upon most heavily in July, while in the northerly power areas, coal-fired generation is most prominent in mid-winter. Although they are used in base-load applications, the coal-fired plants are more heavily relied upon during higher loads than at other times. This apparent paradox, at least in NWPP and RMPA, is explained by the fact that hydroelectric generation is at an ebb in those two power areas when loads are at a peak.

As it is based on a nonrenewable resource, coal-fired generation can be expected to increase in cost and decrease in reliability over time. Since coal reserves are much greater than oil and gas, however, supplies and prices of this source of energy should remain relatively stable for the foreseeable future. Coal-fired generation has environmental problems, both in mining and in plant operation, but its future for the time being appears bright. A considerable number of coal-fired plants have been built in recent years, and more are on the drawing boards.

Nuclear-Fired Steam

The WSCC region's nuclear powerplants provide about 3 percent of its generating capacity and about 4 percent of its electrical energy. The Northwest Power Pool Area leads, followed by the California-Nevada and Rocky Mountain Power Areas. No nuclear powerplants have been constructed in Arizona or New Mexico. The WSCC region's three public and four private nuclear powerplants have an aggregate capacity of 3,522 MW.

Because these plants use relatively small amounts of expensive fuel, they can be situated farther from sources of supply than coal- or oil-fired plants, for example. The Hanford plants, in southeastern Washington, use plutonium, which is manufactured on-site, but the others are not tied to nearby resources. The region's largest nuclear powerplant is the Trojan facility, on the Columbia River about 30 miles downstream from Portland, Oregon. Nuclear powerplants are used in base-load applications and can be run for long periods of time at high plant factors. In 1979 for the region as a whole, plant factors exceeded 50 percent in all months except May and June, and exceeded 80 percent during four months. The availability of nuclear is limited by a periodic need to refuel, which requires weeks of down time, and by a record of numerous relatively minor technical problems which have resulted in frequent unscheduled outages.

The future role of nuclear power, in the WSCC region as nationally, is a matter of continuing political debate. Proponents cite freedom from foreign energy sources and ability to provide firm energy as arguments in favor. Opponents point to storage of nuclear waste, safety, reliability of operation, and economic factors as arguments against.

Combined Cycle

Combined-cycle powerplants in the WSCC region provide just over 2 percent of generating capacity and slightly less 1 percent of its electrical energy. In all there are eight plants, four private and three public. Four plants are in Arizona-New Mexico, three in California-Nevada, and the other in the Northwest Power Pool Area. These plants typically consist of one or more turbine units, which are powered by fuel oil and whose waste heat is used to power another unit. This scheme is used at five plants. Two others use combustion-turbine and oil-fired steam generators in tandem. One plant is set up to use natural gas and several use it as an auxiliary fuel. The WSCC region's largest combined-cycle plant is Southern California Edison's Long Beach facility, whose winter capacity is 560 MW; two others exceed 500 MW. Showing generally lower plant factors than most other types of thermal

generation, the WSCC region's combined-cycle plants are used mostly for intermediate applications and occasionally for peaking. Their future prospects are similar to oil- and gas-fired steam plants because they use these same fuels. Environmental impacts are also similar.

Geothermal

The only geothermal generating facility in the WSCC region is near Geyserville, California, about 60 miles north of San Francisco. Pacific Gas and Electric Company has developed the Geysers plant, a 13-unit complex whose total generating capacity is 663 MW (just over one-half of 1 percent of the region's total capacity). Facilities to provide an additional 270 MW are under construction. Used in base-load applications, Geysers runs at about 75 percent plant factor on the average but provides less than 1 percent of the regions electrical energy. Geothermal power potentials are being studied at several locations in the WSCC region.

Combustion Turbine

Combustion-turbine powerplants in the WSCC region provide 4,651 MW 4.6 percent) of generating capacity. Because they are used in peaking applications, they rank lower among the region's powerplants in energy 10.8) percent than in capacity. About half the region's combustion-turbine plants are in California-Nevada, a fourth in Arizona-New Mexico, and the remainder about evenly divided between the other two power areas. Most of the combustion-turbine plants are privately owned and operate on fuel oil. Natural gas and jet fuel are also used. The region's two largest combustion-turbine plants, both over 200 MW, are the Harborton facility in Portland, Oregon, owned by Portland General Electric, and Agua Fria (Units 4, 5, 6), owned by the Salt River Project, Arizona. Combustion-turbine plants will continue to be relied on for peaking in areas where hydropower, which is also well adapted to peaking, is scarce or absent. Their impacts are similar to those of oil- and gas-fired steam plants.

Internal Combustion and Miscellaneous Steam

Internal-combustion-powered generators are typically small and are used only in peaking applications. They provide only 0.2 percent of the WSCC region's generating capacity (196 MW). The region's largest internal-combustion plant is Nevada Power Company's Westside Diesels plant with 30 MW capacity. Because of their high costs per kilowatt-hour and fuel requirements, they will continue to be used only in limited, specialized applications.

Miscellaneous classed steam plants provide 0.1 percent (59 MW) of the WSCC region's generating capacity. The largest of these plants, jointly owned by the Eugene (Oregon) Water and Electric Board and the Weyerhaeuser Company, uses black liquor recovered from pulping operations. The other is EWEB's steam plant, which uses hogged fuel (relatively small-sized wood waste of various types, not suitable for other uses).

3.2 HYDROELECTRIC GENERATING CAPACITY

Relationship to Existing System and Magnitude

Hydropower plays a preeminent role in the WSCC region. Over 40 percent of the region's generating capacity is hydroelectric, more than half again as much as any other source of prime-moving capacity. Of the region's total generating capacity of about 114,000 MW (1979), nearly 50,000 MW is hydroelectric. Dependence on this source of electricity is much higher in the WSCC region than in the other eight regions nationally.

Because the proportion of hydropower to thermal generation is much higher in the Northwest than elsewhere in the WSCC region, total generation capability is dependent on precipitation. Thus, the hydro system could only provide its firm output in 1977 when drought conditions prevailed. Secondary hydro energy, normally available for meeting interruptible loads and for displacing high-cost thermal generation, was not available that year. Furthermore, because of delayed additions to base-load thermal generation, the NWPP system was short of energy capability. Voluntary customer curtailments and high capacity-factor operation of available thermal generating plants, both within and outside the region, helped to compensate for the deficiency. The variation in the generating capability of the region's hydropower under actual water conditions is illustrated in Table 3-3.

Table 3-3
ELECTRIC ENERGY GENERATION UNDER ACTUAL WATER CONDITIONS
(percent)

Source	1975	1976	1977	1978	1979
Hydropower	53	50	35	46	40
Coal	17	19	25	23	25
Oil	15	17	22	16	16
Gas	11	11	12	11	14
Nuclear	3	2	5	3	4
Geothermal	1	1	1	1	1

Source: Western Systems Coordinating Council, Ten Year Coordinated Plan Summary, 1975 through 1979 reports.

The WSCC region's national leadership in hydropower generation is due largely to the Pacific Northwest, which contains over 70 percent of the region's hydropower generating capacity. Hydropower's importance in the NWPP area is underscored by the fact that over 72 percent of all generating

capacity there is hydroelectric, while steam plants are foremost in the other power areas. The Columbia River, one of the world's greatest hydropower streams, is harnessed by several huge dams with 1,000 or more MW of capacity. Grand Coulee and John Day projects are the largest powerplants. Many tributaries of the Columbia also have been dammed for hydroelectric power generation. The California-Nevada Power Area contains the greater part of the region's remaining hydropower capacity.

Type of Energy and Use

Because so much of the region's power supply is hydroelectric, such plants are used in base-load application as well as the intermediate and peaking applications to which this type of generation is most ideally suited. The low cost of hydropower is another incentive to rely on it for base loads as much as possible. Most of the region's power is used on grid, interconnections in the WSCC area having been completed in the 1960's.

Ownership

Forty-five utilities in WSCC have hydropower capability. A plurality of the hydro capability (49 percent) is controlled by the Federal Government, represented by both the Department of Interior and the Corps of Engineers; most of the remaining capability is shared by privately owned concerns (23 percent) and State and local governments (28 percent). The ownership of hydropower facilities in the WSCC region as of 1 January 1978 is shown in Table 3-4.

Department of Energy Power-Marketing Agencies

Bulk power generated at Federal dams is marketed to "retail" purveyors of electrical energy by two agencies of the U.S. Department of Energy, the Bonneville Power Administration and the Western Area Power Administration. The former serves Oregon, Washington, and the remainder of the Pacific Northwest drained by the Columbia River. The latter serves all the rest of the WSCC region. The role of each of these agencies is discussed following.

Bonneville Power Administration. BPA was originally formed in 1937 as the marketing agency for power generated at Bonneville Dam on the Columbia River. Since that time through administrative action and Congressional legislation, BPA has become the marketing agency for all of the existing and future projects in the Federal Columbia River Power System, which consists of the Federal dams on the Columbia River and its major tributaries. The Federal projects are constructed and operated by other Federal agencies, the Corps of Engineers and the Water and Power Resources Service. BPA builds and maintains the necessary transmission lines and substations for delivering power to public and private utilities and industrial customers throughout the Pacific Northwest and, subject to Northwest priorities, to customers in other adjacent regions.

Table 3-4
OWNERSHIP OF HYDROPOWER IN WSCC REGION[1]
as of January 1, 1978

	Investor-Owned	Cooperative	State	Municipal	Federal 2/	Total
ARIZONA-NEW MEXICO POWER AREA						
Number of Utilities	1	-	1	2	2	4
Capability, MW						
Conventional Hydro	5	-	92	49	545	691
Pumped Storage	-	-	140	-	-	140
Total, MW	5	-	232	49	545	831
(%)	(0.6)	-	(27.9)	(5.9)	(65.6)	(100.0)
CALIFORNIA-NEVADA POWER AREA						
Number of Utilities	3	-	1	6	1	11
Capability, MW						
Conventional Hydro	4,401	-	554	2,338	1,260	8,653
Pumped Storage	-	-	606	985	-	1,591
Total, MW	4,401	-	1,160	3,323	1,260	10,244
(%)	(43.0)	(-)	(11.3)	(32.4)	(12.3)	(100.0)
NORTHWEST POWER POOL AREA						
Number of Utilities	7	-	4	6	4 3/	21
Capability, MW						
Conventional Hydro	4,569	-	4,390	2,450	15,981	27,390
Pumped Storage	-	-	-	-	-	-
Total, MW	4,569	-	4,390	2,450	15,981	27,390
(%)	(16.7)	-	(16.1)	(8.9)	(58.3)	(100.0)
ROCKY MOUNTAIN POWER AREA						
Number of Utilities	1	1	1	1	2 3/	6
Capability, MW						
Conventional Hydro	26	26	1	4	2,025	2,082
Pumped Storage	162	-	-	-	-	162
Total, MW	188	26	1	4	2,025	2,244
(%)	(8.4)	(1.2)	(0.1)	(0.1)	(90.2)	(100.0)
TOTAL-WSCC						
Number of Utilities	12	1	7	15	3 2/	38
Capability, MW						
Conventional Hydro	9,101	26	5,037	4,481	19,811	38,816
Pumped Storage	162	-	746	985	-	1,893
Total, MW	9,263	26	5,783	5,826	19,811	40,709
(%)	(22.8)	(0.1)	(14.2)	(14.3)	(48.6)	(100.0)

Note: The above represent plants reported to the U.S. Department of Energy by WSCC. In addition, capacity of small unreported plants (primarily industrial and municipal) in MW, by ownership classes, is approximately as follows: Industrial 50, public (nonfederal) 176, Federal 9, private 9, and cooperative 7.

1/ Based on summer capability.

2/ Each power-marketing division of the Bureau of Reclamation is counted as one utility.

3/ The Bureau of Reclamation's Upper Colorado Division reported part of its capability in the Northwest Power Pool Area (10 MW), and the remaining in the Rocky Mountain Power Area (1,462 MW).

Through its interconnections with the principal generating utilities of the Northwest Power Pool, the BPA transmission network provides the capacity and wheeling capability necessary for operation of the Northwest Power Pool. Also, many smaller non-Federal utilities, with and without generating facilities, are interconnected with the Bonneville Power Administration in the Northwest.

The original statutory limitation on BPA's power marketing area was the area "within economic transmission distance" of the Federal generating projects. In 1964, as part of the authorization for transmission interties between the Pacific Northwest and Pacific Southwest, Congress prescribed for BPA a primary marketing area, with priority over other areas in marketing power from the Federal hydroelectric projects in the Pacific Northwest. This primary marketing area is the region including Oregon, Washington, Montana west of the Continental Divide, the portions of Nevada, Utah and Wyoming within the Columbia drainage basin, and that part of Idaho the Secretary of Energy may determine to be within the marketing area of the Federal Columbia River Power System. Also, any contiguous areas, not in excess of 75 air miles from said region, may be included if they are part of the service area of a distribution cooperative which has (1) no generating facilities, and (2) a distribution system from which it serves both within and without said region. Power and energy marketed from the Hungry Horse Project are subject to a geographical preference for use within Montana and are expressly exempt from the more restrictive portion of the above definition.

The primary BPA marketing area is outlined on Figure 3-2, with the heavy solid line, and the marketing area at 75 air miles is outlined by the dashed line. BPA markets power to its marketing area, to portions of British Columbia, and to areas in the Pacific Southwest. Three cooperatives are served by BPA within the 75-mile limit. BPA serves most of its power marketing area directly. Although BPA's mission network electrically is the backbone of the Northwest Power Pool, its network geographically lies primarily in the western part of its service area, where most of its customers are located. The transmission network of BPA, which includes 12,600 circuit miles of high-voltage lines, is illustrated on Figure 3-2.

Western Area Power Administration. The Western Area Power Administration (WAPA), established on 21 December 1977 and headquartered in Denver, Colorado, serves the electric-power needs of an estimated 5 million retail customers in 15 western States. The states served by WAPA in the WSCC region are California, Arizona, Nevada, Montana, South Dakota, Colorado, Wyoming, Texas, New Mexico and Utah. WAPA's geographic area covers all of the WSCC region not encompassed by BPA. The new power administration is responsible for the Federal power-marketing functions transferred from the Department of the Interior's Bureau of Reclamation to the Department of Energy (DOE) on 1 October 1977, under the provisions of the Department of Energy Organization Act. These marketing functions involve the sale and distribution of power produced at existing Federal hydroelectric generation facilities in the 15 States. In addition, WAPA is responsible for construction, operation, and maintenance of transmission lines and attendant facilities. The Western Area

Power Administration's service area includes 16,235 miles of transmission lines and 7,497 megawatts of installed capacity. It serves the needs of 456 preference customers comprised generally of State agencies and local municipalities. Figure 3-3 shows WAPA's marketing area.

Parameters Governing Use of Existing Hydro

Institutional. The roles of Federal, State, and local governments in hydroelectric power are both regulatory and participatory. Regulatory roles are outside the scope of this report except as the availability of particular sites is concerned. Hydropower projects are regulated at both Federal and State levels. Upon demonstration of justification, the principal Federal responsibility is to review and license hydroelectric powerplants. The principal State responsibility is in water rights.

The Department of Energy's power-marketing agencies (see previous section) are in effect lead agencies in planning for hydropower development. These agencies do not have responsibility for planning and construction of hydropower plants, but because they control so much of the WSCC region's transmission capability, they have been looked to for leadership in the power-pooling that has been accomplished in their respective areas of jurisdiction, particularly the Bonneville Power Administration. BPA is responsible for the centralized control of the Northwest Power Pool's operations.

BPA's network is entirely interconnected on its own lines except for small areas in Idaho. Western Area Power Administration's large but rather scattered networks in Wyoming, Colorado, Utah, Arizona, Nevada, Southern California, and Northwestern New Mexico is interconnected along its own lines. WAPA's isolated systems in central and southern New Mexico, and eastern Montana are interconnected to the remainder of the WSCC region via the long-distance lines of private power concerns. WAPA's isolated network in Northern California is connected to the BPA system and is one of two intertie lines (the other private) between the Pacific Northwest and Pacific Southwest.

First call on Federal power generated in the WSCC region and marketed by BPA and WAPA is given to preference customers, which by definition in the applicable legislation are public power retailers. Private power utilities and private industries have lower preference, although they may purchase power at the same rates as the public utilities if it is still available. As a consequence, many public utility districts and similar entities have been formed throughout the WSCC region. In the State of Washington, for example, its two largest cities and many of its counties provide power through public utility districts. In all, BPA and WAPA serve 121 and 456 preference customers, respectively. Power generated by non-Federal and private concerns is fed into power pools of WSCC's four power areas, and is subject only to service-area restrictions.

Social. Social constraints on the use of existing hydroelectric power in the WSCC region have been making themselves evident primarily in the area of new construction. Public demands for much stricter licensing and permit requirements for both generating and transmission facilities have increased tremendously in recent years. While hydroelectric generation itself has for



Figure 3-2
BONNEVILLE POWER ADMINISTRATION POWER MARKETING AREA

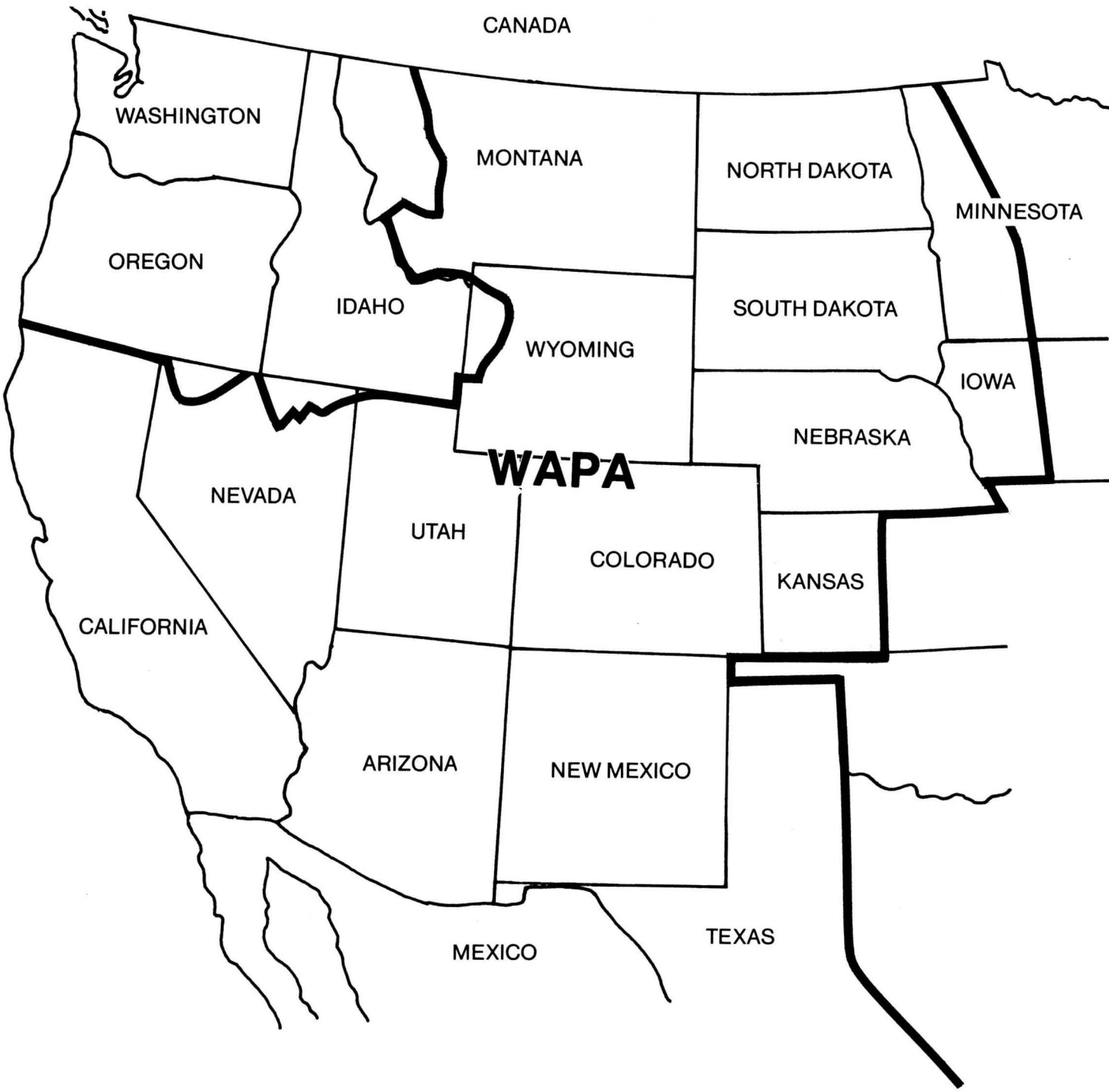


Figure 3-3
WESTERN AREA POWER ADMINISTRATION POWER MARKETING AREA

the most part not been a subject of criticism, opposition to other forms of generating and transmission facilities has indirectly affected hydroelectric power planning and operation.

Economic. Hydroelectricity is still one of the cheapest sources of power in the WSCC region, but sites are becoming scarcer and more expensive. Rising labor and materials costs, coupled with the fact that the most economical sites have already been developed, will doubtless contrive to push up the cost of hydroelectric power development. As sites become less and less available, land acquisition costs are likely to rise, also.

Physical. The greatest constraints on hydropower are natural ones. Available stream flow limits the potential of any site, and terrain limits the number of sites. Geologic factors limit some especially otherwise favorable sites in western Montana. Because much of the region's hydropower, both existing and potential, depends on spring and early summer runoff from mountainous areas, there tends to be a surplus of hydropower (or at least water) in the late spring - early summer and a shortage in midwinter, especially where carryover power storage is minimal or lacking.

Competing water uses also have tended to limit hydropower production. Traditionally, preference has been given to consumptive uses, principally irrigation and municipal and industrial water, over instream uses such as power generation. For example, Grand Coulee Dam, the largest hydroelectric plant in the WSCC region, provides irrigation water for about 1 million acres. The water withdrawn for irrigation here is thereby prevented from turning generators at 10 dams downstream. Many storage reservoirs in the WSCC region have been constructed with no provision for hydropower.

Environmental factors are complicating the development of hydropower in addition to other types of engineering works. The anadromous fisheries of the Columbia River continue to be a major concern in spite of hatchery facilities, fish ladders, and various programs to maintain runs. The length of time required for project planning has increased sharply in recent years because more thorough studies are now required.

Chapter 4
DEMAND SUMMARY

Demands for electricity have continued to increase in the WSCC region over the past 10 years. During that period, total energy demand has increased by 4.8 percent annually and peak demand has increased by 4.0 percent annually. The region's power-generating resources exceed demand requirements.

4.1 DEMAND FOR ELECTRICITY

Energy Consumption

Total electrical energy consumption in the WSCC region during 1979 was 425,349 GWh, as shown in Table 4-1. From 1975 to 1979, the WSCC region's average growth rate in electrical energy consumed was 4.4 percent annually. During 1977 there was a shortfall in consumption levels because of voluntary customer curtailments, cutoff of interruptible loads, and mild temperatures associated with the 1977 drought.

The California-Nevada Power Area, with 43 percent of the regional total for 1979, leads the WSCC region in electrical energy consumption, followed closely by the Northwest Power Pool Area and distantly by the Arizona-New Mexico and Rocky Mountain Power Areas. Per capita electrical consumption is highest in the Northwest, followed by the Arizona-New Mexico, Rocky Mountain, and California-Nevada Power Areas.

Peak Demand

Peak load for the WSCC region in 1979 was 70,948 MW, which occurred in July, as shown on Table 4-1. Among WSCC power areas, the highest peak demand was 36,527 MW, observed in the California-Nevada Power Area; next was the Northwest Power Pool Area, with 30,828 MW; third, Arizona-New Mexico Power Area, 7,942 MW; and fourth, Rocky Mountain Power Area, 4,857 MW. During 1977, WSCC was the only electric-reliability-council area in the United States to show a lower peak than the previous year, due in large part to the drought in the winter and spring of that year.

Overall, the WSCC region's peak load occurs in summer, but this has only been the case since the early 1970's. Previously, the region's peak load had occurred in winter. Table 4-2 shows system load variations during the first week of April, August, and December for representative utilities in the WSCC region. As shown on this table, utilities in the Northwest Power Pool Area are predominantly winter-peaking systems, and those in the Arizona-New Mexico and California-Nevada Power Areas are predominantly summer-peaking. The Rocky

Table 4-1
MONTHLY ENERGY, PEAK DEMAND, AND LOAD FACTOR
WSCC REGION, 1979

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
WSCC													
Peak Demand, MW	70211	68937	62229	59826	64525	70504	70948	70203	70036	63948	66364	66495	(70948)
Net Energy, GWh	39233	33253	34069	32513	34530	35392	37816	37002	35194	34559	35018	36770	425349
Load Factor, %	75.0	71.8	73.6	75.5	71.9	69.7	71.6	70.8	69.8	72.6	73.3	74.3	68.4
ARIZONA-NEW MEXICO POWER AREA													
Peak Demand, MW	5877	5482	5126	5503	6390	7749	7942	7803	7716	6516	5592	5649	(7942)
Net Energy, GWh	3164	2732	2904	2863	3199	3692	4198	3999	3817	3122	2913	3131	39734
Load Factor, %	72.0	74.2	76.1	72.3	67.3	66.2	71.0	68.9	68.7	64.4	72.4	74.5	57.1
CALIFORNIA-NEVADA POWER AREA													
Peak Demand, MW	28503	27463	26334	25663	30423	35300	35263	35156	36007	29686	37527	27998	(37527)
Net Energy, GWh	15329	13399	14469	13880	15250	16103	17370	17159	16521	15465	14528	15231	184704
Load Factor, %	72.3	72.6	73.8	75.1	67.4	63.4	66.2	65.6	63.7	69.6	53.8	73.1	58.6
NORTHWEST POWER POOL AREA													
Peak Demand, MW	31021	31495	26595	27540	26489	29504	30645	30514	30828	30722	30529	30753	(30828)
Net Energy, GWh	18165	14549	14489	13658	13951	13425	13763	13380	12642	13721	15208	15942	173193
Load Factor, %	78.0	70.2	73.2	68.9	70.8	63.2	60.4	58.9	57.0	60.0	69.2	69.7	62.8
ROCKY MOUNTAIN POWER AREA													
Peak Demand, MW	4810	4497	4174	4127	4154	4441	4857	4850	4500	4474	4702	4612	(4857)
Net Energy, GWh	2575	2276	2207	2112	2130	21726	2485	2464	2214	2251	2369	2466	24367
Load Factor, %	72.0	75.2	71.1	71.1	68.9	67.9	68.8	68.3	68.3	67.6	70.0	71.9	65.1

Table 4-2
SYSTEM LOAD VARIATIONS IN 1977 FOR REPRESENTATIVE UTILITIES IN WSCC REGION

Representative Utilities	First Week of April		First Week of August		First Week of December		Annual			
	Peak Demand % of Annual	Weekly Load Factor %	Peak Demand % of Annual	Weekly Load Factor %	Peak Demand % of Annual	Weekly Load Factor %	Peak Demand MW	Date	Net Energy GWh	Load Factor %
ARIZONA-NEW MEXICO POWER AREA										
Arizona Public Service Co.	57.4	80.6	96.3	79.1	53.9	83.6	2,270	Aug 04	10,773	54.2
El Paso Electric Company	68.8	78.2	97.0	73.1	72.9	77.3	657	Aug 24	3,472	60.3
Public Service Co. of N. Mexico	73.1	78.7	97.8	68.8	81.6	76.1	625	Jul 29	3,462	62.5
Salt River Project	60.9	79.4	95.4	76.1	58.9	81.3	1,783	Sep 07	8,122	52.0
Tucson Gas & Electric Co.	68.9	82.3	87.0	75.4	64.0	79.2	811	Jun 29	4,162	70.3
CALIFORNIA-NEVADA POWER AREA										
Glendale Public Service Dept.	63.8	70.6	81.4	65.9	69.8	68.4	177	Jul 27	746	48.1
Los Angeles Dept. Water & Power	70.5	74.4	87.6	70.0	79.7	72.6	3,765	Jul 27	18,498	60.2
Pacific Gas & Electric Co.	73.4	79.3	88.4	76.6	78.3	77.3	12,192	Aug 01	65,511	61.3
City of Pasadena	69.7	68.3	86.9	66.3	72.6	71.0	175	Sep 08	795	51.9
Sacramento Municipal Utility District	51.0	72.4	83.8	55.8	58.9	74.9	1,354	Sep 06	5,068	42.7
San Diego Gas & Electric Co.	78.8	75.7	85.4	74.4	90.0	69.4	1,746	Sep 07	9,327	61.0
Sierra Pacific Power Co.	77.0	81.1	88.2	80.2	86.9	76.5	536	Dec 20	3,245	69.1
Southern California Edison Co.	73.2	77.1	90.6	73.0	77.2	74.8	11,249	Sep 07	58,705	61.6
NORTHWEST POWER POOL AREA										
PUD No. 1 of Chelan County	73.0	93.4	73.0	91.4	100.0	80.2	389 1/	Dec 04	2,388	80.1
PUD of Grant County	72.2	81.2	94.8	82.4	82.7	79.8	248	Jun 30	1,516	69.8
Idaho Power Company	60.6	83.8	86.5	83.2	72.7	77.6	1,761	Jun 28	9,438	61.2
Montana Power Company	75.3	86.3	76.4	83.4	100.0	82.4	1,077	Dec 08	6,244	66.2
Pacific Power & Light Co.	72.1	76.9	73.2	79.3	93.0	76.4	3,017	Jan 06	15,746	59.6
Portland General Electric Co	75.0	73.2	67.3	79.6	86.7	77.1	2,551	Nov 21	12,939	59.7
Utah Power & Light Co.	72.8	79.4	93.1	78.1	80.5	83.1	1,950	Jul 18	10,723	62.8
Washington Water	64.4	80.9	61.6	77.2	93.7	79.0	1,307	Jan	NA	56.5
Bonneville Power Administration	74.7	86.5	68.0	90.8	89.5	84.5	8,740	Jan 07	52,409	68.5
ROCKY MOUNTAIN POWER AREA										
Black Hills Power & Light Co.	77.8	72.4	77.8	74.7	98.2	78.0	171	Dec 08	901	60.0
City of Colorado Springs	82.8	74.0	88.0	73.1	98.5	69.6	274	Jul 18	1,546	64.4
Colorado-Ute Electric Assoc.	78.3	79.6	79.2	81.2	83.1	80.3	337	Dec 20	1,851	62.7
Public Service Co. of Colorado	77.2	81.5	90.2	76.8	93.2	75.9	2,432	Jul 19	13,707	64.3

1/ Peak demand of 389 was taken from schedule 15 (Dec. 4) which was greater than annual peak demand given on Schedule 14 (382, Dec. 27).
Source: Harza I, after WSCC data prepared for schedules 14 and 15 of 1977 FERC Form 12.

Mountain Power Area is intermediate, but its peak load month has been in summer for the past 3 years. Graphs of weekly load and load duration for representative utilities in the WSCC region are given in Figures 4-1 through 4-4.

4.2 DEMAND-SUPPLY BALANCE

Peak demand for the WSCC region was approximately 70.9 GW (gigawatts), and the available resources were approximately 84.3 GW during the peak demand month for 1979. In general, the WSCC region's generating facilities appear to be adequate for meeting peak demand, with a reasonable reserve margin for each of the four power areas.

Imports and Exports

Net capacity imports to the WSCC region during 1979 were a maximum of 218 MW for the month of November, which amounts to only 0.2 percent of the total load. There were no capacity exports from WSCC to other regions. The Rocky Mountain Power Area imports the entire 210 MW load from Mid-Continent Area Reliability Coordination Agreement (MARCA). The Northwest Power Pool Area imports as much as 75 MW of capacity from its member Canadian systems.

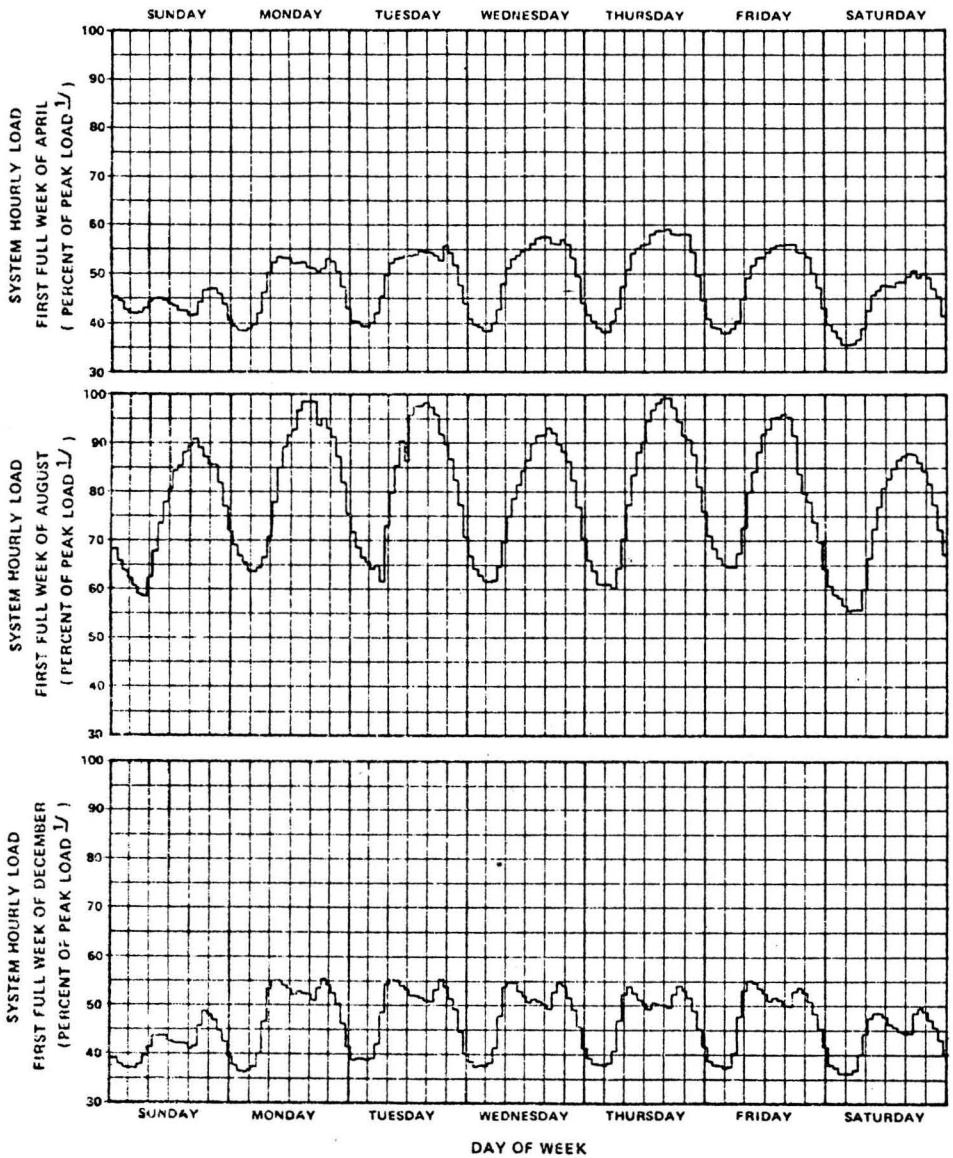
Considerable transfer of power takes place within the region. The Northwest Power Pool Area, Rocky Mountain Power Area, and Arizona-New Mexico Power Areas are net exporters of electric power, and the California-Nevada Power Area a net importer. Intraregional capacity exchanges within the WSCC region are shown on Table 4-3; only scheduled imports and exports, which represent capacity transactions at the time the data were prepared or expected to be under contract or agreement for a period specified are shown, while exchanges such as economy, maintenance, general purpose, nondisplacement, or emergency are not reported.

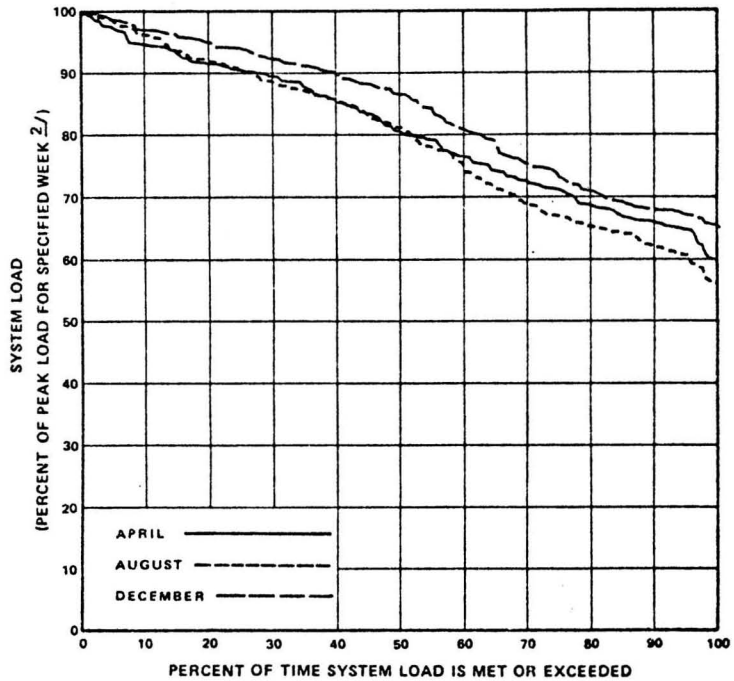
Table 4-3
INTRAREGIONAL CAPACITY EXCHANGES DURING MAXIMUM MONTH,WSCC 1979
(In megawatts)

	Power Area Exporting				
Power Area Importing	AZ-NM	CAL-NEV	NWPP	RMPA	Total Imports
AZ-NM 1/	-	176	65	640	881
CAL-NEV 2/	2,148	-	3,633	0	5,781
NPWPP 3/	0	325	-	271	596
RMPA 4/	133	0	125	-	258

Source: Summary of Estimated Loads and Resources, Data as of January 1, 1980, Western Systems Coordinating Council, April 1980.

Notes:
1/ Month of July.
2/ Month of May.
3/ Month of January.
4/ Month of December. A maximum of 218 MW of capacity were also imported from MARCA during the month of November.





NOTES:

1 PEAK LOAD IS EQUAL TO THE LARGEST SYSTEM LOAD IN THE FIRST FULL WEEK OF APRIL, AUGUST, AND DECEMBER.

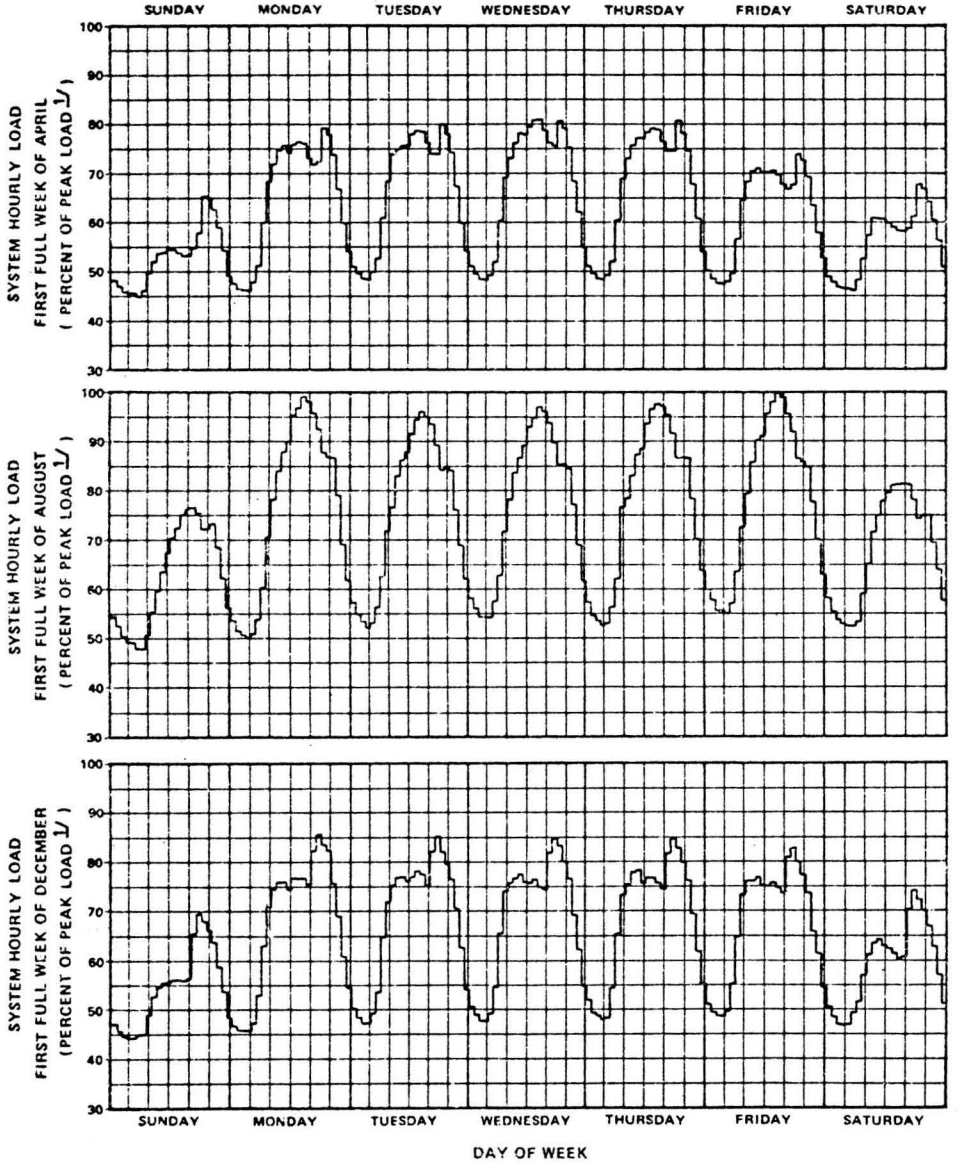
2 PEAK LOAD IS THE PEAK SYSTEM LOAD FOR THE CORRESPONDING WEEK FOR THE APRIL, AUGUST, OR DECEMBER CURVES.

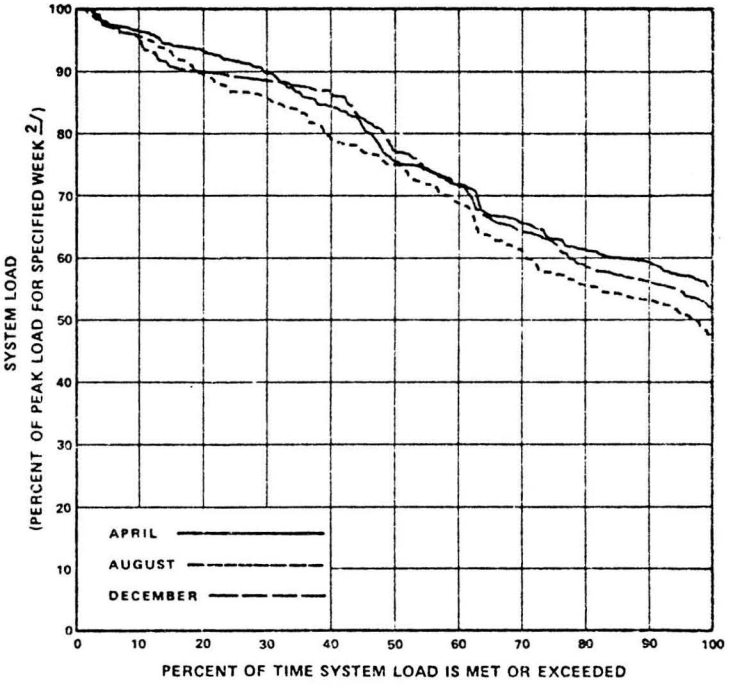
Figure 4-1

LOAD CURVES
REGION: WSCC
SUB-REGION: ARZ-NM
UTILITY: APS

SOURCE:

DATA OBTAINED FROM FERC FORM NO. 12 (SCHEDULES 14 AND 15) FOR 1977.





NOTES:

1 PEAK LOAD IS EQUAL TO THE LARGEST SYSTEM LOAD IN THE FIRST FULL WEEK OF APRIL, AUGUST, AND DECEMBER.

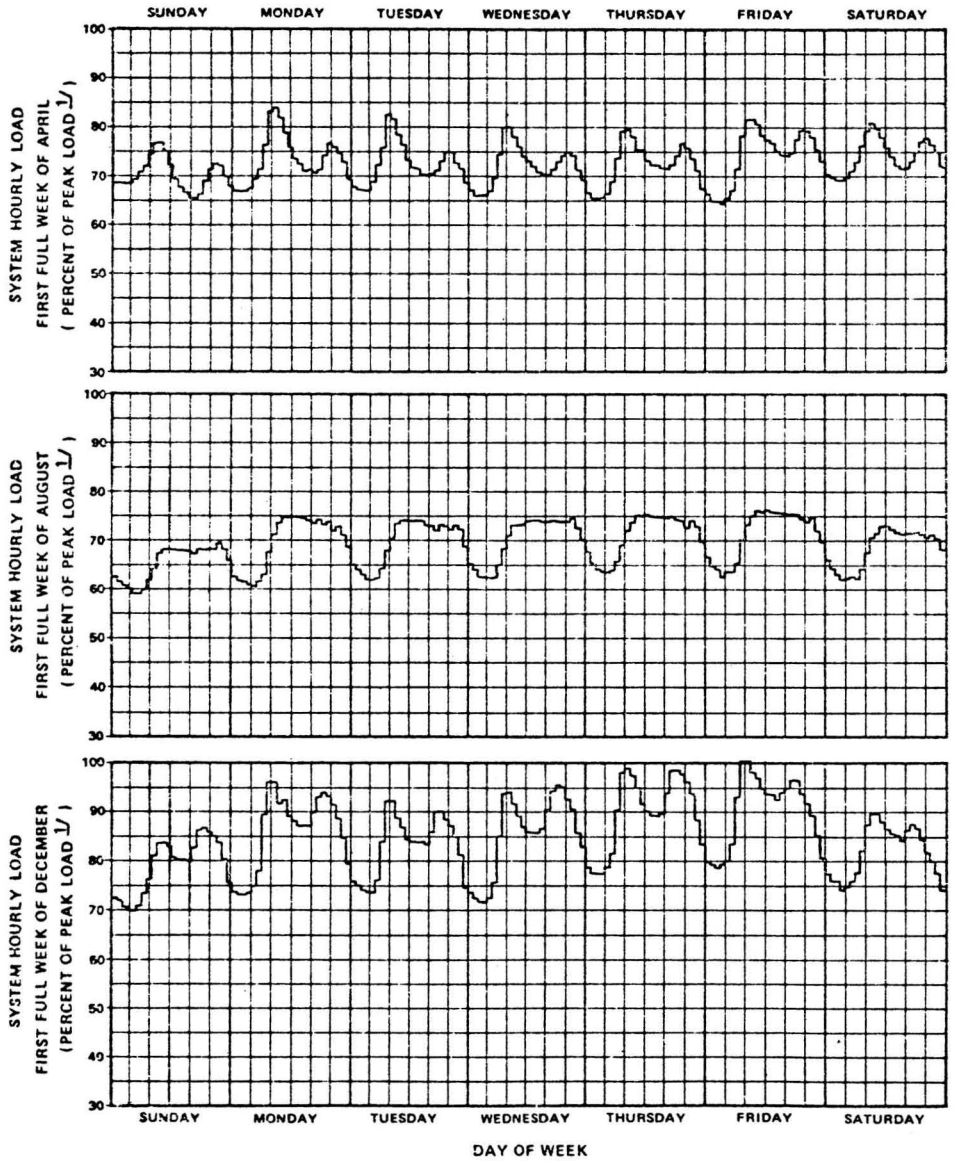
2 PEAK LOAD IS THE PEAK SYSTEM LOAD FOR THE CORRESPONDING WEEK FOR THE APRIL, AUGUST, OR DECEMBER CURVES.

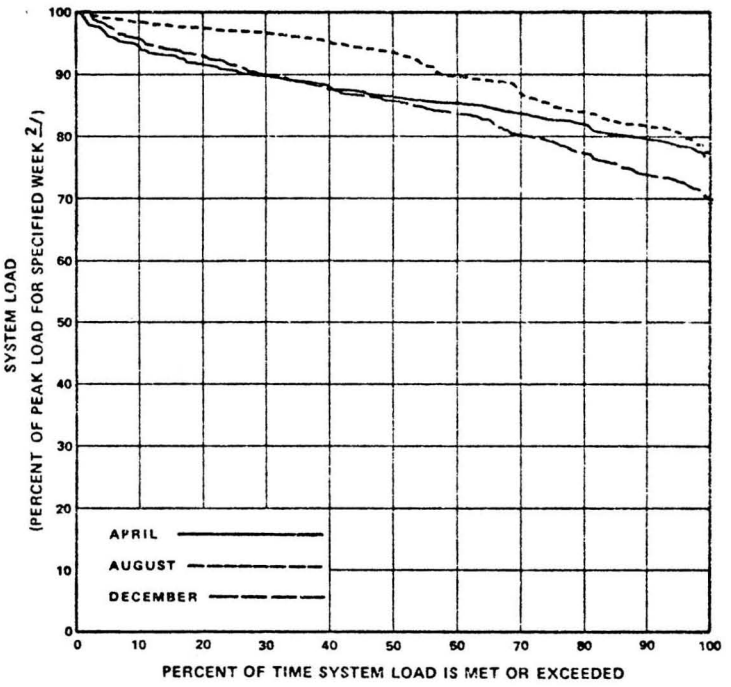
Figure 4-2

LOAD CURVES
REGION: WSCC
SUB-REGION: SO CAL-NEV
UTILITY: SCE

SOURCE:

DATA OBTAINED FROM FERC FORM NO. 12 (SCHEDULES 14 AND 15) FOR 1977.





NOTES:

1 PEAK LOAD IS EQUAL TO THE LARGEST SYSTEM LOAD IN THE FIRST FULL WEEK OF APRIL, AUGUST, AND DECEMBER.

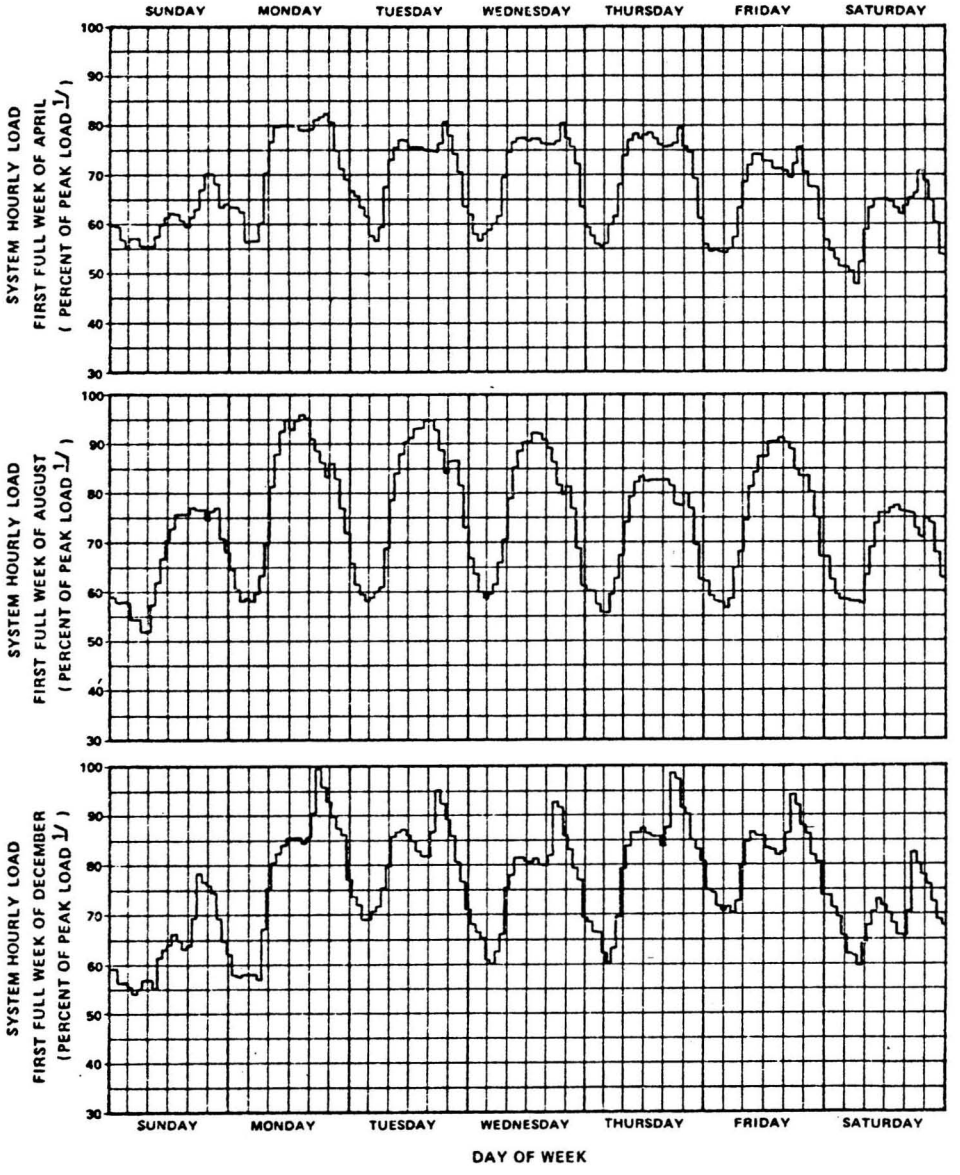
2 PEAK LOAD IS THE PEAK SYSTEM LOAD FOR THE CORRESPONDING WEEK FOR THE APRIL, AUGUST, OR DECEMBER CURVES.

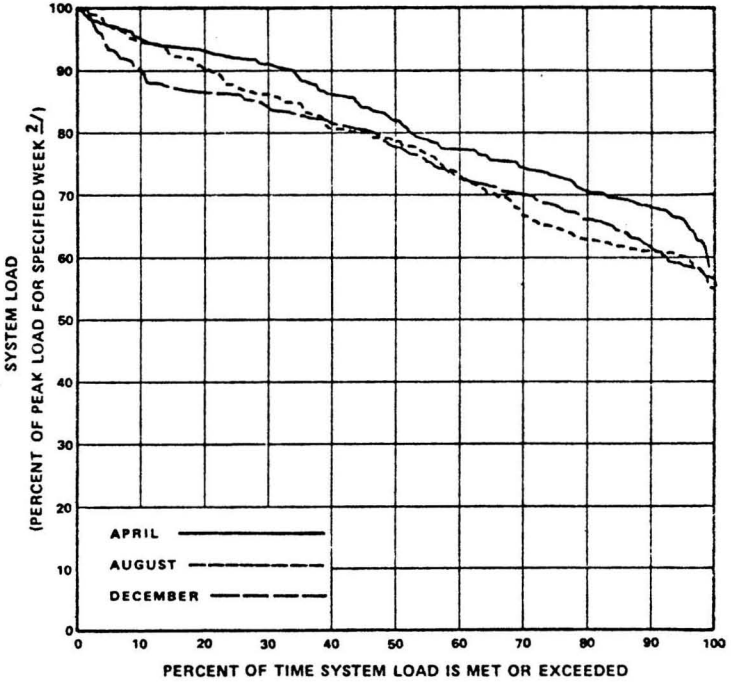
Figure 4-3

LOAD CURVES
REGION: WSCC
SUB-REGION: NWPP
UTILITY: BPA

SOURCE:

DATA OBTAINED FROM FERC FORM NO. 12 (SCHEDULES 14 AND 15) FOR 1977.





NOTES:

1 PEAK LOAD IS EQUAL TO THE LARGEST SYSTEM LOAD IN THE FIRST FULL WEEK OF APRIL, AUGUST, AND DECEMBER.

2 PEAK LOAD IS THE PEAK SYSTEM LOAD FOR THE CORRESPONDING WEEK FOR THE APRIL, AUGUST, OR DECEMBER CURVES.

Figure 4-4

LOAD CURVES
REGION: WSCC
SUB-REGION: RMPA
UTILITY: PSC

SOURCE:

DATA OBTAINED FROM FERC FORM NO. 12 (SCHEDULES 14 AND 15) FOR 1977.

Reserve Margins and Regional System Reliability

Available resources in the WSCC region for the month of peak firm-load demand, July, exceed demand requirements by 14,539 MW, or 20.9 percent. The reserve margin for winter is greater. Reserve margins for the WSCC region and the four power areas are shown on Table 4-4 for months of peak demand. Because there are greater interruptible loads and less available resources during some off-peak months, the margins in some cases are less during off-peak months than in peak months; the month of least margin also is shown in Table 4-4. Nevertheless, capacity margins appear to be adequate for 1980. As load continues to grow in the WSCC region, the capability projected is sufficient for adequate reserve margins. However, possible transmission delays associated with new generation facilities may reduce reserve margins and system reliability.

The annual load factor for 1979 within the four power areas ranged from 65.1 percent in the Rocky Mountain Power Area down to 57.1 percent in the Arizona-New Mexico Power Area, with the other power areas in between. The load factor for the region as a whole was higher, at 68.4 percent, than for any of the power areas. Monthly and annual load factors for 1979, given for the WSCC region and its four power areas, are shown in Table 4-1.

Characteristic of Electric Loads

From the weekly load curves for the first week of April, August, and December 1977 of representative utilities in the WSCC region (see Figures 4-1 through 4-4), the base, intermediate, and peak loads for each of these utilities have been broken down and are shown in Table 4-5. These percentages are representative of each season; during any season, the loads may vary by several percent. The portions of the load considered as base, intermediate or peak as shown in Table 4-5 are the basis for deriving the future generation mix (Tables 4-7 through 4-11).

Table 4-4
PEAK DEMAND, POWER RESOURCES, AND RESERVE MARGIN, PEAK FIRM-LOAD MONTH, DURING 1979

Power Area	Month of Peak Firm-Load Demand	Peak Demand (MW)	Net Power Rescources (MW)	Net Purchase(+) or Sales(-) (MW)	Margin over Firm Load In Month of Peak Demand (MW)	%	Month of Least Margin
Arizona-New Mexico	July	7,942	9,276	+ 174	1,513	19.1	June
California-Nevada	November	37,527	34,403	+3,719	2,140	5.9	June
Northwest Power Pool	February	31,495	35,265	-1,685	3,208	10.6	May
Rocky Mountain	August	4,850	5,717	- 296	574	11.8	July
Total - WSCC Region	July	70,948	84,267	+ 212 1/	14,751	21.2	May

Source: "Summary of Estimated Loads and Resources," as of 1 January 1980, WSCC

1/ From Mid-Continent Area Reliability Coordination Agreement (MARCA) region.

Table 4-5
LOAD DISTRIBUTION FOR REPRESENTATIVE UTILITIES, WSCC
(percent of annual peak load)

Power Area Representative System:	Base %	Intermediate %	Peak %
Arizona-New Mexico Power Area			
Arizona Public Service Company			
Off-Season	40	12	5
Summer	68	17	15
Winter	40	10	5
Annual Peak	68	17	15
California-Nevada Power Area			
Southern California Edison Company			
Off-Season	48	19	6
Summer	60	22	18
Winter	47	21	10
Annual Peak	60	22	18
Pacific Gas & Electric Company			
Off-Season	50	18	7
Summer	66	19	15
Winter	50	18	11
Annual Peak	66	19	15
Northwest Power Pool Area			
Bonneville Power Administration			
Off-Season	64	3	8
Summer	60	6	2
Winter	80	12	8
Annual Peak	80	12	8
Pacific Power and Light Company			
Off-Season	46	17	10
Summer	46	22	5
Winter	65	21	14
Annual Peak	65	21	14
Rocky Mountain Power Area			
Public Service Company of Colorado			
Off-Season	57	14	5
Summer	69	16	15
Winter	66	12	16
Annual Peak	69	16	16

4.3 FUTURE ELECTRIC POWER DEMAND

As discussed in Chapter I, three projections of electricity demand were developed for use in assessing the regional market for hydropower. From these, the "median" projection was selected. However, in deriving the "median" projection the OBERS population forecasts were adjusted to reflect the latest census as described in Chapter I. The future electricity demands, and adjusted population projections for the WSCC plus each of the four power areas of the WSCC, are shown in Tables 4-6 through 4-11. A summary discussion of each forecast follows. The methodology used to derive the population and power demand projections is explained in detail in Volume IV of the final report on the NHS.

Projections of Demand

To provide a range of electric power demand forecasts for the NHS, three projections (designated I, II, and III) were derived from published and readily available information. The three projections are intended to reflect a reasonable range of future demands. The three projections are based on differing assumptions about (1) population and economic growth rates and (2) the impact of various conservation, load-management, legislative, regulatory, and energy-pricing policies. From these three projections, a "median" projection was selected and is considered to be representative of the future power and energy demand expected in the WSCC region and its constituent power areas.

Two of the projections are based on per capita electric energy consumption. To compute the per capita electric energy consumption, the OBERS Series E population forecasts were used, but were adjusted when necessary to reflect the latest estimates (1978) of State populations published annually by the Department of Commerce.

Projection I was derived from forecasts made by the utilities and filed by the utilities through Western Systems Coordinating Council to the Department of Energy. The projection I peak demands for 1985, 1990, and 1995 are those forecast by the utilities in WSCC reports; the peak demand for 2000 is an extrapolated value, derived from an assumed continuation of the 1995-1998 peak demand average growth rate predicted by the utilities. The energy demand for 1985 is forecast directly by the utilities and beyond 1985 is calculated from the peak demands using load factors assumed to change only slightly during the period to 2000. Projection I is not subject to errors in population forecasts because it is not population-based. Utilities' forecasts, which are made yearly, have shown a downward trend in recent years.

Projection II was derived from the forecast published by the Institute for Energy Analysis (IEA) at the Oak Ridge National Laboratory in 1977. The IEA study projects economic and demographic growth, labor force and productivity, total energy demand, and electricity demand. The main finding of the IEA

Table 4-6
ELECTRIC POWER DEMAND WESTERN STYSTEMS COORDINATING COUNCIL, (WSCC)
(1978-2000)

	1978	7- Year Growth Rate*	1985	5-Year Growth Rate*	1990	5-Year Growth Rate*	1995	5-Year Growth Rate*	2000	22-Year Overall Growth Rate*
Population (Thousands)	39506.	1.4	43658.	1.1	48084.	.7	47829.	.7	49644.	1.0
PROJECTION I										
Per Capita Consumption (MWH)	10.4	3.5	13.2	2.9	15.3	3.1	17.8	3.0	20.7	3.2
Total Demand (Thousand GWH)	410.1	5.0	578.0	4.0	704.9	3.9	851.5	3.8	1026.3	4.3
Peak Demand (GW)	68.7	5.3	98.4	3.8	118.3	3.9	173.4	4.3	174.6	5.3
PROJECTION II										
Per Capita Consumption (MWH)	10.4	2.6	12.4	2.6	14.0	2.6	15.9	2.6	18.1	2.6
Total Demand (Thousand GWH)	410.1	4.0	541.4	3.6	647.4	3.3	762.1	3.3	897.1	3.6
Peak Demand (GW)	68.7	4.3	92.2	3.3	108.7	3.3	127.9	3.5	151.6	3.7
PROJECTION III										
Per Capita Consumption (MWH)	10.4	4.5	14.1	4.0	17.1	3.3	20.1	3.2	23.4	3.8
Total Demand (Thousand GWH)	410.0	6.0	615.7	5.1	787.8	4.0	959.4	3.9	1162.8	4.9
Peak Demand (GW)	68.7	6.2	104.8	4.8	132.2	4.0	161.0	4.1	196.5	4.9
MEDIAN PROJECTION										
Per Capita Consumption (MWH)	10.4	3.6	13.3	3.2	15.5	3.0	18.0	3.0	20.8	3.2
Total Demand (Thousand GWH)	410.1	5.1	579.0	4.3	714.9	3.8	859.4	3.7	1033.1	4.3
Peak Demand (GW)	68.7	5.3	98.6	4.0	120.0	3.8	144.2	3.9	174.6	4.3
Margin (Percent)			37.2		39.2		39.2		38.1	
Resources To Serve Demand (GW)			135.3		167.0		200.7		241.1	
Load Factor (Percent)	68.1		67.1		68.0		68.0		67.6	

* Note: The growth rates are average annual compounded rates over the period.

Table 4-7
ELECTRIC POWER DEMAND ARIZONA-NEW MEXICO POWER AREA
(1978-2000)

	1978	7- Year Growth Rate*	1985	5-Year Growth Rate*	1990	5-Year Growth Rate*	1995	5-Year Growth Rate*	2000	22-Year Overall Growth Rate*
Population (Thousands)	3897.	2.3	4569.	1.5	4922.	1.0	5173.	1.0	5437.	1.5
PROJECTION I										
Per Capita Consumption (MWH)	9.6	5.7	14.1	3.2	16.6	3.1	19.3	3.1	22.5	3.9
Total Demand (Thousand GWH)	37.4	8.1	64.6	4.8	81.5	4.2	100.0	4.1	122.2	5.5
Peak Demand (GW)	7.9	6.5	12.3	4.6	15.4	4.2	18.9	4.1	23.1	5.0
PROJECTION II										
Per Capita Consumption (MWH)	9.6	2.6	11.5	2.6	13.1	2.6	14.8	2.6	16.9	2.6
Total Demand (Thousand GWH)	37.4	5.0	52.5	4.1	64.3	3.6	76.8	3.6	91.8	4.2
Peak Demand (GW)	7.9	3.4	10.0	4.0	12.1	3.6	14.5	3.6	17.3	3.6
PROJECTION III										
Per Capita Consumption (MWH)	9.6	4.3	13.1	4.0	15.9	3.3	18.7	3.2	21.9	3.8
Total Demand (Thousand GWH)	37.4	6.9	59.7	5.6	78.2	4.3	96.7	4.2	119.0	5.4
Peak Demand (GW)	7.9	5.3	11.4	5.4	14.8	4.3	18.3	4.2	22.5	4.9
MEDIAN PROJECTION										
Per Capita Consumption (MWH)	9.6	4.5	13.1	4.0	15.9	3.3	18.7	3.2	21.9	3.8
Total Demand (Thousand GWH)	37.4	6.9	59.7	5.6	78.2	4.3	96.7	4.2	119.0	5.4
Peak Demand (GW)	7.9	5.3	11.4	5.4	14.8	4.3	18.3	4.2	22.5	4.9
Margin (Percent)			25.0		25.0		25.0		25.0	
Resources To Serve Demand (GW)			14.8		18.5		22.8		28.1	
Load Factor (Percent)	54.0		60.0		60.4		60.4		60.4	

* Note: The growth rates are average annual compounded rates over the period.

Table 4-8
ELECTRIC POWER DEMAND NORTHERN CALIFORNIA-NEVADA POWER AREA
(1978-2000)

	1978	7- Year Growth Rate*	1985	5-Year Growth Rate*	1990	5-Year Growth Rate*	1995	5-Year Growth Rate*	2000	22-Year Overall Growth Rate*
Population (Thousands)	8610.	1.6	9621.	1.3	10263.	0.8	1.680.	0.8	11115.	1.2
PROJECTION I										
Per Capita Consumption (MWH)	9.2	2.1	10.7	2.4	12.0	2.6	13.7	2.8	15.8	2.5
Total Demand (Thousand GWH)	79.2	3.8	102.7	3.8	123.5	3.4	146.3	3.7	175.2	3.7
Peak Demand (GW)	15.8	3.6	20.3	3.7	24.4	3.4	28.9	3.7	34.6	3.6
PROJECTION II										
Per Capita Consumption (MWH)	9.2	2.6	11.0	2.6	12.5	2.6	14.2	2.6	16.2	2.6
Total Demand (Thousand GWH)	79.2	4.2	105.9	3.9	128.5	3.4	152.0	3.4	179.8	3.8
Peak Demand (GW)	15.8	4.1	20.9	3.9	25.4	3.4	30.0	3.4	35.5	3.8
PROJECTION III										
Per Capita Consumption (MWH)	9.2	4.5	12.5	4.0	15.2	3.3	17.9	3.2	21.0	3.8
Total Demand (Thousand GWH)	79.2	6.2	120.4	5.4	156.3	4.1	191.3	4.0	233.1	5.0
Peak Demand (GW)	15.8	6.0	23.8	5.3	30.9	4.1	37.8	4.0	46.0	5.0
MEDIAN PROJECTION										
Per Capita Consumption (MWH)	9.2	2.6	11.0	2.6	12.5	2.6	14.2	2.6	16.2	2.6
Total Demand (Thousand GWH)	79.2	4.2	105.9	3.9	128.5	3.4	152.0	3.4	179.8	3.8
Peak Demand (GW)	15.8	4.1	20.9	3.9	25.4	3.4	30.0	3.4	35.5	3.8
Margin (Percent)			25.0		25.0		25.0		25.0	
Resources To Serve Demand (GW			26.2		31.7		37.5		44.4	
Load Factor (Percent)	57.2		57.8		57.8		57.8		57.8	

* Note: The growth rates are average annual compounded rates over the period.

Table 4-9
ELECTRIC POWER DEMAND SOUTHERN CALIFORNIA- NEVADA AREA
(1978-2000)

	1978	7- Year Growth Rate*	1985	5-Year Growth Rate*	1990	5-Year Growth Rate*	1995	5-Year Growth Rate*	2000	22-Year Overall Growth Rate*
Population (Thousands)	14695.	1.2	15975.	1.1	16873.	0.8	17559.	0.8	18272.	1.0
PROJECTION I										
Per Capita Consumption (MWH)	7.0	2.0	8.0	1.9	8.8	2.6	9.9	2.3	11.2	2.2
Total Demand (Thousand GWH)	102.3	3.2	127.4	3.0	147.8	3.4	174.6	3.2	204.0	3.2
Peak Demand (GW)	20.1	3.5	25.6	3.0	29.7	3.4	35.1	3.2	41.0	3.3
PROJECTION II										
Per Capita Consumption (MWH)	7.0	2.6	8.3	2.6	9.5	2.6	10.8	2.6	12.2	2.6
Total Demand (Thousand GWH)	102.3	3.8	133.1	3.7	159.8	3.4	189.1	3.4	223.7	3.6
Peak Demand (GW)	20.1	4.2	26.7	3.7	32.1	3.4	38.0	3.4	45.0	3.7
PROJECTION III										
Per Capita Consumption (MWH)	7.0	4.5	9.5	4.0	11.5	3.3	13.6	3.2	15.9	3.8
Total Demand (Thousand GWH)	102.3	5.8	151.3	5.1	194.3	4.1	238.1	4.0	290.0	4.8
Peak Demand (GW)	20.1	6.1	30.4	5.1	39.1	4.1	47.8	4.0	58.3	5.0
MEDIAN PROJECTION										
Per Capita Consumption (MWH)	7.0	2.6	8.3	2.6	9.5	2.6	10.8	2.6	12.2	2.6
Total Demand (Thousand GWH)	102.3	3.8	133.1	3.7	159.8	3.4	189.1	3.4	223.7	3.6
Peak Demand (GW)	20.1	4.2	26.7	3.7	32.1	3.4	38.0	3.4	45.0	3.7
Margin (Percent)			25.0		25.0		25.0		25.0	
Resources To Serve Demand (GW			33.4		40.2		47.5		56.2	
Load Factor (Percent)	58.1		56.8		56.8		56.8		56.8	

* Note: The growth rates are average annual compounded rates over the period.

Table 4-10
ELECTRIC POWER DEMAND NORTHWEST POWER POOL AREA
(1978-2000)

	1978	7- Year Growth Rate*	1985	5-Year Growth Rate*	1990	5-Year Growth Rate*	1995	5-Year Growth Rate*	2000	22-Year Overall Growth Rate*
Population (Thousands)	9220.	1.2	10023.	0.7	10379.	0.5	106410	0.5	10909.	0.8
PROJECTION I										
Per Capita Consumption (MWH)	17.9	4.3	24.0	3.6	28.7	3.4	33.8	3.4	39.9	3.7
Total Demand (Thousand GWH)	165.3	5.5	240.7	4.3	297.7	3.9	359.9	3.9	435.7	4.5
Peak Demand (GW)	29.3	5.4	42.3	4.5	52.6	3.9	63.6	3.9	77.0	4.5
PROJECTION II										
Per Capita Consumption (MWH)	17.9	2.6	21.5	2.6	24.4	2.6	27.7	2.6	31.5	2.6
Total Demand (Thousand GWH)	165.3	3.8	215.1	3.3	253.2	3.1	295.1	3.1	344.0	3.4
Peak Demand (GW)	29.3	3.7	37.8	3.4	44.7	3.1	52.2	3.1	60.8	3.4
PROJECTION III										
Per Capita Consumption (MWH)	17.9	4.5	24.4	4.0	29.7	3.3	34.9	3.2	40.9	3.8
Total Demand (Thousand GWH)	165.3	5.8	244.5	4.7	308.1	3.8	371.5	3.7	445.9	4.6
Peak Demand (GW)	29.3	5.6	43.0	4.8	54.4	3.8	65.7	3.7	78.8	4.6
MEDIAN PROJECTION										
Per Capita Consumption (MWH)	17.9	4.3	24.0	3.6	28.7	3.4	33.8	3.4	39.9	3.7
Total Demand (Thousand GWH)	165.3	5.5	240.7	4.3	297.7	3.9	359.9	3.9	435.7	4.5
Peak Demand (GW)	29.3	5.4	42.3	4.5	52.6	3.9	63.6	3.9	77.0	4.5
Margin (Percent)			25.0		25.0		25.0		25.0	
Resources To Serve Demand (GW)			52.9		65.7		79.5		96.2	
Load Factor (Percent)	64.4		65.0		64.6		64.6		64.6	

* Note: The growth rates are average annual compounded rates over the period.

Table 4-11
ELECTRIC POWER DEMAND ROCKY MOUNTAIN POWER AREA
(1978-2000)

	1978	7- Year Growth Rate*	1985	5-Year Growth Rate*	1990	5-Year Growth Rate*	1995	5-Year Growth Rate*	2000	22-Year Overall Growth Rate*
Population (Thousands)	3084.	1.7	3470.	1.0	3647.					
PROJECTION I										
Per Capita Consumption (MWH)	8.4	5.8	12.3	4.0	14.9	4.6	18.7	4.0	22.8	4.6
Total Demand (Thousand GWH)	25.9	7.4	42.6	5.0	54.4	5.4	70.6	4.8	89.2	5.8
Peak Demand (GW)	4.6	7.0	7.4	4.9	9.4	5.4	12.2	4.8	15.4	5.6
PROJECTION II										
Per Capita Consumption (MWH)	8.4	2.6	10.1	2.6	11.4	2.6	13.0	2.6	14.8	2.6
Total Demand (Thousand GWH)	25.9	4.3	34.9	3.6	41.7	3.3	49.1	3.3	57.8	3.7
Peak Demand (GW)	4.6	4.0	6.1	3.5	7.2	3.3	8.5	3.3	10.0	3.6
PROJECTION III										
Per Capita Consumption (MWH)	8.4	4.3	11.4	4.0	13.9	3.3	16.4	3.2	19.1	3.8
Total Demand (Thousand GWH)	25.9	6.3	39.7	5.0	50.7	4.0	61.8	3.9	74.9	4.9
Peak Demand (GW)	4.6	5.9	6.9	4.9	8.8	4.0	10.7	3.9	12.9	4.8
MEDIAN PROJECTION										
Per Capita Consumption (MWH)	8.4	4.5	11.4	4.0	13.9	3.3	16.4	3.2	19.1	3.8
Total Demand (Thousand GWH)	25.9	6.3	39.7	5.0	50.7	4.0	61.8	3.9	74.9	4.9
Peak Demand (GW)	4.6	5.9	6.9	4.9	8.8	4.0	10.7	3.9	12.9	4.8
Margin (Percent)			25.0		25.0		25.0		25.0	
Resources To Serve Demand (GW)			8.6		10.9		13.3		16.2	
Load Factor (Percent)	64.3		65.7		66.1		66.1		66.1	

* Note: The growth rates are average annual compounded rates over the period.

study was that both GNP and energy demand are likely to grow significantly more slowly than has been assumed in most analyses of energy policy. Two scenarios designated "high" and "low" of electricity demand were developed in this study for the United States to the year 2010. Even the "high" scenario with a projected per capita electric energy consumption growth rate of 3.8 percent is much lower than most previous estimates. However, the "low" scenario with a projected per capita electric energy consumption growth rate of 2.6 percent is adopted as projection II.

Numerous energy-conservation measures were considered in developing the IEA projections. These included energy-saving technologies such as improved new building construction, smaller and lighter vehicles, improved industrial boiler design and heat-recovery processes, and electric load-level switching; also considered were energy-saving technical strategies such as improved household and commercial heating, cooling, hot water, lighting, and appliances; improved industrial process steam, heat, and electricity utilization; and improved electricity generation and distribution, through conservation, cogeneration, and alternative modes of power generation, a low fertility rate, a slower rise in labor force, a rate of 2.0% of average annual growth of labor productivity.

Projection III is based on the "Consensus Forecast of U.S. Electricity Demand," by J.A. Lane and, like projection II, published by the Oak Ridge National Laboratory in 1977. The electricity demand shown in the "consensus forecast" was derived from the average of 15 separate energy demand forecasts prepared by Federal and private economists in the period following the 1973 Arab oil embargo. These forecasts in the "consensus" are conservation-oriented, unlike pre-embargo forecasts which were based almost entirely on historical growth; for the year 2000, the average of these forecasts is 20 percent lower than the average of forecasts made during the earlier period.

From the three projections, a "median" projection was selected and is considered to be representative of future power and energy demands in the WSCC region. For each of the selected years (1985, 1990, 1995, and 2000), the median projection is the median forecast among projections I, II, and III. Thus, a projection which is median for one year may be supplanted by another projection in a later year.

Energy Demand

The future annual "median" electric energy consumption in WSCC is expected to grow from about 425,000 GWh in 1979 to 579,000 GWh in 1985, at a compound annual growth rate of 5.1 percent. By 2000, annual electric energy consumption is expected to reach about 1,033,100 GWh, growing at a compound annual rate of 4.3 percent between 1979 and 2000.

Energy demand in the Arizona-New Mexico Power Area is expected to grow at 6.9 percent annually between 1979 and 1985. After 1985, growth in energy consumption is expected to slow to an average annual growth rate of 5.6 percent until 1990, and then to 4.3 percent through the end of the century. Annual energy consumption by 2000 is likely to be about 119,000 GWh.

Total electricity demand in the California-Nevada Power Area is likely to grow from 230,100 GWh in 1978 to 379,200 GWh in 2000, an average annual growth rate of 3.6 percent. Average annual growth in the period 1978 to 1985 is expected to be about 3.9 percent. After 1985, growth in electrical energy consumption is expected to decline until 1990, and level off at 3.4 percent from 1990 through 2000.

In the Northwest Power Pool Area, growth in total energy demand between 1979 and 1985 is expected to be 5.5 percent per year. Between 1985 and 1990, growth in electricity consumption is expected to decrease to 4.3 percent annually, then to 3.9 percent until the year 2000. Electrical energy demand is likely to be about 240,700 GWh in 1985 and 435,700 GWh in 2000.

Electrical energy demand in the Rocky Mountain Power Area is expected to grow at the average annual rate of 4.9 percent between 1978 and the year 2000. Growth is expected to be high between 1978 and 1985, averaging 6.3 percent annually. In the 1985 through 1990 period, growth in energy demand is expected to be about 5.0 percent annually. Growth in energy demand is likely to level off between 1990 and 2000 at about 4.0 percent annually. Energy demand is expected to increase from 25,900 GWh in 1979 to 89,200 GWh in the year 2000.

Peak Demand

At present, the WSCC region is a summer-peaking region. Three of the four power areas also show summer peaking, the only exception being the Northwest Power Pool Area, which has a winter peak. Growth trends of both peak demand and energy consumption in the WSCC region's four power areas are about the same. The non-coincident peak demand in the WSCC region is expected to grow at an average annual rate of 5.3 percent between 1979 and 1985, slightly higher than growth in energy over the same period. Between 1985 and 1990, annual growth in peak demand is expected to be about 4.0 percent, and between 1990 and 2000, about 3.8 percent. The peak demand is expected to increase from 68,700 MW in 1978 to 174,600 MW by the end of the century.

Load Factor

The WSCC region's annual load factor in 1979 was reported at 68.1 percent. Based on the utilities' projections, the load factor is expected to decrease to about 67 percent in 1985, then average 68 percent through 2000. Utilities in California and Nevada are projecting annual load factors averaging 57-58 percent throughout the 1978-2000 period while those in the Northwest and Rocky Mountain Power Areas project 65-66 percent.

4.4 FUTURE ELECTRIC POWER SUPPLY

Both hydroelectric and thermal sources of electric power will need to be considered as requirements for electical energy increase in the future. Availability of the region's hydroelectric, fossil, nuclear, and geothermal power-generating resources is discussed following.

Hydropower Potential

In this study, estimates of hydropower potential at both existing projects and undeveloped sites have been made. These estimates include, with a few exceptions, only project sites whose potential is 1,000 kilowatts (1 megawatt) or more. The hydropower potential of existing and undeveloped hydropower project sites is presented in Table 4-12, existing sites include both already developed hydropower plants whose capacity might be increased and existing dams and other water resource developments which were not developed for hydropower when they were originally constructed. The hydropower potential shown in Table 4-12 includes all hydropower sites in the WSCC region, including those in areas now restricted by Federal and State legislation. This estimate, however, does not include mutually exclusive alternative projects but is based on the assumption that the most favorable project would be developed in those reaches where several dam sites exist.

Table 4-12
PHYSICAL HYDROPOWER POTENTIAL IN THE WSCC REGION

	Potential Installed Capacity (MW)	Average Annual Energy (1,000 MWh)
Potential at Existing Projects	(16,310)	(19,213)
Arizona-New Mexico Power Area	468	656
California-Nevada Power Area	3,587	3,703
Northwest Power Pool Area	11,559	13,864
Rocky Mountain Power Area	696	990
Potential at Undeveloped Sites	(88,658)	(194,861)
Arizona-New Mexico Power Area	1,723	5,363
California-Nevada Power Area	17,335	19,457
Northwest Power Pool Area	64,918	160,632
Rocky Mountain Power Area	4,682	9,409
Total Potential - WSCC region	104,968	214,074

Note: Totals may not add due to rounding.

Availability of Fuels

Coal The WSCC region contains more than half the country's coal resources. The region's reserves of bituminous coal are estimated to be 181 billion tons and of subbituminous coal 375 billion tons. Quantities of anthracite coal and lignite are very small, although the Nation's largest lignite deposit lies just outside the region, in North Dakota. Most of the western coal has less than 1 percent sulfur content by weight and can meet source performance

standards for large boilers established by the U.S. Environmental Protection Agency. The major coal reserves are located in Montana, Colorado, and Wyoming in areas that are sparsely populated, have limited water resources, and are far from load centers. In order for western coal to be utilized for generation of electricity, it must either be transported long distances to generating stations or lengthy transmission lines must be constructed from generating stations near the coalfields to load centers. To improve coal transportation, six large coal-slurry pipelines originating in the WSCC region are anticipated to be completed by the year 2000; these pipelines would originate in the eastern part of the region and would transport coal west to the Pacific and southeast to the Gulf of Mexico. The Black Mesa Pipeline, currently operational between Arizona and Nevada, is 273 miles long and can carry 4.8 million tons of coal annually.

Oil California, Colorado, and Wyoming are among the foremost States in oil production. In 1976, the average production of oil in these three States was 1.5 million barrels per day. This production is expected to increase to 1.8 million barrels per day in 1985, and then drop to about 1.2 million barrels per day by 2000. Offshore oil production in the Santa Barbara Channel of California was about 100,000 barrels per day in 1972. Oil reserves off the Pacific coast, both in the Santa Barbara Channel and outside of it, are estimated to be 9 billion barrels.

Natural Gas The southeastern portion of the WSCC region is close to the Nation's largest land-based gas-producing district. Also, significant quantities of natural gas are produced in New Mexico and Colorado. Daily production in those two states combined was 1.4 trillion cubic feet in 1976, but is expected to decrease to 1.3 trillion cubic feet by 1985 and to 0.9 trillion by 2000.

Oil-shale About 90 percent of the known oil-shale resources in the U.S. are located in a single geological formation in Colorado, Wyoming, and Utah known as the Green River Formation. It underlies 25,000 square miles of land, of which 17,000 square miles are believed to contain oil-shale deposits with potential for commercial development. Land overlying the oil-shale deposits is sparsely populated and characterized by cliffs, plateaus, escarpments, and some flat land. Water resources that would be required for the mining and milling these deposits, however, are scarce in the vicinity.

Tar-sand Tar-sand deposits with over 100 million barrels of oil yield have been identified in California, Utah, and New Mexico. Thin tar-sand deposits have been identified throughout the U.S., but a vast majority of these deposits are located in Utah, where there is an estimated 29 billion barrels of oil yield.

Uranium Uranium resources in the WSCC region are located primarily in the States of Wyoming, New Mexico, Colorado, and Utah. Production of uranium for 1976 in the four states was 12,300 tons. Uranium production is expected to increase to 47,100 tons per year by 2000.

Geothermal All of the Nation's geothermal resources likely to be developed before 2000 are located in the WSCC region, in the western one-third of the country. There are 14 known geothermal areas in California, 18 in Nevada, eight in Idaho, and seven in Oregon.

4.5 FUTURE RESERVE MARGINS AND GENERATION MIX

Reserve margins and the probable system generation mix for WSCC in the future are discussed following.

Reserve Margins and System Reliability

Due to the unique characteristics of each utility, the uncertainties in water supply for power and energy production, the limited degree of possible interconnections, and other variable parameters, a reserve margin of 25 percent is applied to the "median" peak demands for each power area to compute future generating capacities. However, because of delays in the construction stages or licensing of new plants, some utility reserve margins may fall below the 17 percent minimum reserve necessary for acceptable reliability during the next decade.

The existing interconnections between power areas have been, and planned ones are being, developed to insure that resources are efficiently and economically used and that the system is adequate and reliable. But delays in transmission systems associated with new generation facilities could prevent economy transfers, increase consumption of nonrenewable oil and gas energy sources, and reduce system reliability.

Generation Mix

A projected future generation mix for base, intermediate, and peaking capacities was evaluated for the WSCC region and each of its four power areas. This evaluation is based on existing and planned generation facilities as reported by the utilities, characteristics of electric loads, an analysis of regional resource availability, economic parameters, Federal and State regulations, and other pertinent regional factors. To reflect the uncertainties and unforeseeable factors which can affect furture generation mixes, a range of future installed capacity is defined for each major generation source. The projected future capabilities are based on the "median" projections of electric power demand and assumed reserve margins of 25 percent.

WSCC Regional Summary The most probable generation mix for WSCC, developed from the expansion plans for each power area, is presented in Table 4-13. For the period 1979 to 1985, large additions of nuclear and coal capacity are planned by the utilities. After 1985 additions to system capability are expected to be powered mainly by coal, nuclear, hydroelectric, and geothermal sources; additions of oil or gas-powered capacity are unlikely.

Table 4-13
PROJECTED GENERATION MIX, WSCC REGION, 1985-2000
(percent of total capacity)

Generation Type	1985	1990	1995	2000
Base				
Nuclear	10-12	12-15	15-18	15-18
Coal	15-16	18-20	23-25	30-33
Oil	15-16	12-14	8-10	5-7
Conv. hydro	20-22	17-18	14-15	10-12
Geothermal	1-2	1-2	1-3	1-3
Intermediate				
Coal	2-3	4-6	6-8	8-10
Oil	7-9	6-8	5-7	3-5
Gas	0-1	0-1	0-1	0-1
Conv. hydro	5-6	5-6	4-6	4-6
Geothermal	0-1	0-2	0-2	1-3
Other	0-1	1-2	1-2	1-3
Peaking				
Coal 1/	-	-	-	-
Oil	6-7	5-6	4-6	3-5
Gas	2-3	2-3	1-3	1-3
Conv. hydro	4-6	4-6	3-6	3-6
Pumped storage	3	3	2-4	2-5
Other	0-1	1-2	1-2	1-3
Total capability (GW)	135.3	167.0	200.7	241.1

1/ All coal-fired plants are classified as either base or intermediate. Some intermediate cycling coal-fired plants will be capable of operating near the top of the load curve.

Arizona - New Mexico Power Area The most likely generation mix for the Arizona - New Mexico Power Area is presented in Table 4-14. Between 1979 and 1985, additional generating plants will be primarily nuclear- or coal-fired. Although, nuclear capacity is expected to comprise about 20 percent of the total capability after 1990, coal will continue to be the primary source.

Table 4-14
PROJECTED GENERATION MIX, ARIZONA-NEW MEXICO POWER AREA, 1985-2000
(percent of total capacity)

Generation Type	1985	1990	1995	2000
Base				
Nuclear	17-18	18-22	18-22	18-22
Coal	43-44	44-45	47-50	47-50
Oil	4-6	2-4	0-2	0-2
Intermediate				
Coal	3-4	5-6	7-8	10-12
Oil	12-13	10-11	8-10	6-8
Conv. hydro	1-2	0-1	0-1	0-1
Other	0-1	1-1	1-2	1-3
Peaking				
Coal	-	-	-	-
Oil	6-7	5-7	4-6	3-5
Gas	4-5	3-5	2-4	2-4
Conv. Hydro	3-4	3-4	2-4	2-4
Pumped Storage	1	1	0-1	1-4
Other	0-1	1-1	1-2	1-3
Total capability (GW)	14.2	18.5	22.8	28.1

California - Nevada Power Area The present generation mix is heavily represented with oil-fired generation sources. Although oil-fired generation will continue to be a significant portion of the mix, it is expected to be reduced in the future because units being retired are not scheduled for replacement in kind. However, Southern California will remain heavily dependent on oil-fired generation for at least another decade. Hydroelectric generating sources will also become relatively less important but are also likely to make up a substantial portion of the generation mix up to the year 2000 and beyond. Coal-fired plants will play ever-increasing role as will nuclear. Nuclear capacity is expected to represent 20 to 25 percent of the generation mix after 1995. The most likely generation mix for the California-Nevada Power Area is presented in Tables 4-15 and 16. Northern and Southern California Power Areas are shown separately because data were broken down for both subareas when the estimates were made.

Table 4-15
PROJECTED GENERATION MIX, NORTHERN CALIFORNIA-NEVADA POWER AREA, 1985-2000
(percent of total capability)

Generation Type	1985	1990	1995	2000
Base				
Nuclear	12-13	17-20	20-25	20-25
Coal	4-6	14-16	18-20	20-25
Oil	25-27	18-20	12-15	8-10
Conv. hydro	14-16	10-12	8-10	7-10
Geothermal	5-6	5-7	5-7	6-8
Intermediate				
Coal	-	1-2	2-5	4-7
Oil	9-10	8-10	7-10	5-8
Gas	1-2	0-1	0-1	0-1
Conv. hydro	1-2	1-2	1-3	2-3
Geothermal	1-2	1-2	1-3	2-5
Other	0-1	0-1	1-2	1-3
Peaking				
Oil	3-4	2-3	1-3	1-3
Gas	0-1	0-1	0-1	0-1
Conv. hydro	3-5	3-5	3-5	3-5
Pumped storage	6	5	5-6	5-7
Other	0-1	1-2	1-2	1-3
Total capability (GW)	26.2	31.7	37.5	44.4

Table 4-16
PROJECTED GENERATION MIX, SOUTHERN CALIFORNIA-NEVADA POWER AREA, 1985-2000
(percent of total capacity)

Generation Type	1985	1990	1995	2000
Base				
Nuclear	8-9	15-20	20-25	20-25
Coal	6-7	10-15	15-20	20-25
Oil	42-44	33-35	20-22	15-18
Conv. hydro	1-2	0-1	0-1	0-1
Geothermal				
Intermediate				
Coal	1-2	2-5	3-5	5-8
Oil	17-18	15-17	12-15	10-15
Gas				
Conv. hydro	2-3	2-3	1-3	1-3
Geothermal				
Other	0-1	0-1	1-2	1-3
Peaking				
Coal	-	-	-	-
Oil	8-10	8-10	6-8	6-8
Gas	2-3	1-3	1-2	0-2
Conv. hydro	3-4	3-4	2-3	2-3
Pumped storage	3-4	3-4	2-3	2-3
Other	0-1	0-1	1-2	1-3
Total capability (GW)	33.4	40.2	47.5	56.2

Northwest Power Pool Area The most likely generation mix for the Northwest Power Pool Area is presented in Table 4-17. Dependence on hydroelectric and coal generation is expected to continue into the future, with nuclear and possibly geothermal generating plants entering into the generation mix. The Bonneville Power Administration (BPA) has been selected to test three, 300-foot-diameter experimental wind turbines at a site along the Columbia River Gorge in sourthern Washington. The three turbines are expected to operate by mid-1981, generating up to 7.5 MW of electricity. However, wind turbine and other nonconventional methods of electric generation are expected to represent only 4 to 7 percent of the Northwest Power Pool's capacity by 2000.

Table 4-17
PROJECTED GENERATION MIX, NORTHWEST POWER POOL AREA, 1985-2000
(percent of total capability)

Generation Type	1985	1990	1995	2000
Base				
Nuclear	10-12	13-15	15-20	15-20
Coal	17-18	19-20	23-25	26-28
Conv. hydro	40-42	34-36	28-30	22-25
Intermediate				
Coal	4-6	6-8	6-8	8-10
Conv. hydro	12-14	10-12	10-12	8-10
Other	0-1	1-2	1-3	2-3
Peaking				
Oil	2-3	2-3	1-2	0-2
Gas	1-2	0-1	0-1	0-1
Conv. hydro	7-8	7-8	7-8	8-10
Pumped storage	0-1	0-1	0-1	0-2
Other	0-1	1-3	2-3	2-4
Total capability (GW)	52.9	65.7	79.5	96.2

Rocky Mountain Power Area The most likely generation mix for the Rocky Mountain Power Area is presented in Table 4-18. The area is expected to remain heavily dependent on coal well into the future. Other additions are likely to consist of nominal amounts of nuclear and hydroelectric plants.

Table 4-18
PROJECTED GENERATION MIX, ROCKY MOUNTAIN POWER AREA, 1985-2000
(Percent of total capabilities)

Generation Type	1985	1990	1995	2000
Base				
Nuclear	2	2-5	2-5	2-5
Coal	50-52	52-55	55-58	55-58
Conv. hydro	8-10	6-8	5-8	4-6
Intermediate				
Coal	3-5	5-7	6-8	8-10
Oil	4-5	3-5	2-4	1-3
Conv. hydro	8-9	7-9	6-8	6-8
Other	0-1	0-1	1-2	1-3
Peaking				
Coal	-	-	-	-
Oil	4-6	4-6	4-6	3-5
Gas	2-3	2-3	1-2	1-2
Conv. hydro	3-5	3-5	3-5	3-5
Pumped storage	5	4-5	3-5	3-5
Other	0-1	0-1	1-2	1-3
Total capability (GW)	8.6	10.9	13.3	16.2

4.6 FUTURE ROLE OF CONVENTIONAL HYDROPOWER

As of December 1979, there was an installed capacity of about 41,589 MW of conventional hydropower, representing 42 percent of the total capacity, in the WSCC region. The electric energy generated hydroelectrically was 169,906 GWh, or 47 percent of the region's total 1979 energy demand.

The Northwest Power Pool Area has about 70 percent of the total hydropower capacity in the WSCC region. The hydropower energy produced was 125,503 GWh in 1979, representing three-fourths of the total demand in this power area. As reported by the utilities about 2,500 MW of conventional hydropower capacity are expected to be added in the next 10 years. Even so, the proportion of hydropower energy will steadily decrease, and by 1988, hydropower energy is expected to meet only 45 percent of the "median" demand in the Northwest Power Pool Area.

The California-Nevada Power Area is the second largest user of hydropower in WSCC. With a conventional hydropower capacity of about 8,850 MW, this power area's hydroelectric energy production was 33,904 GWh in 1979, representing about 19 percent of its electrical energy needs. Some new hydropower plants and additions are under construction, licensed or in planning, among which are New Melones (300 MW), and Kerckhoff 2 (150 MW). Even with these additions, however, the proportion of energy produced by hydropower is expected to fall below the 1978 level and to represent only 16 percent of the "median" demand.

The Rocky Mountain Power Area has about 2,100 MW of conventional hydropower capacity which produced 7,491 GWh in 1979, about 27 percent of total electrical energy needs. Only small additions are planned during the 1980's, and future energy production here is expected to average 8,000 GWh per year. The proportion of energy generated by hydropower in the Rocky Mountain Power Area is therefore expected to decrease from 27 percent in 1979 to about 15 percent in 1988.

The Arizona-New Mexico Power Area had about 700 MW of hydropower capacity in 1978, and an energy production of 2,200 GWh. Currently there is no hydropower under construction, and by 1988 the hydropower energy is expected to provide only about 4 percent of this power area's energy needs.

As shown in Table 4-6, the WSCC region has large hydropower potential. Considering the developments already under construction, licensed, or recommended for further study in this report, nearly 30 percent of the total potential of almost 109,000 MW could theoretically be developed by the end of the century.

Chapter 5
INVENTORY OF POTENTIAL HYDROPOWER PROJECTS

The methodology used to identify and assess the potential for developing hydropower facilities at existing dams and previously identified, undeveloped projects and the results obtained are explained in this chapter. Specific projects that warrant further studies are identified, and the time when those studies should be undertaken to achieve the most efficient utilization of the region's hydropower resources is specified. Included in the analysis are existing Corps projects, existing projects owned by others, and previously studied undeveloped projects.

5.1 PLAN OF STUDY

The evaluation of power potential and economic feasibility has been accomplished in an initial inventory and four stages. The initial inventory was to amass the projects for further study. The first three stages included four levels of screening to eliminate from further study projects which do not meet desired criteria. The criteria becomes increasingly severe as the stages advance. Hence, only the most desirable projects survived until the fourth stage. The four stages and four screenings are summarized in Table 5-1. The plan of study outlined in Table 5-1 is the one adopted generally for the National Hydropower Study. A flow-diagram of the four stages and the overall screening process is shown in Figure 5-1. Deviations necessary for WSCC regional studies are discussed further on in this chapter.

5.2 SPECIAL STUDIES

Special studies were made to develop (a) data-collection procedures, (b) generalized regional power values, (c) generalized cost-estimating procedures, and (d) computer programs to analyze site hydrology, optimum project size, costs, and benefits. In addition, computerized data-base and data-base management programs were developed. All of the data compiled on the projects inventoried for the study which showed minimum potential for hydropower development, i.e., passed stage 1 screening criteria as described in the following section on stage 1, together with the results of the project analyses, are stored in the data base. These data are readily retrievable in total or in user-defined format.

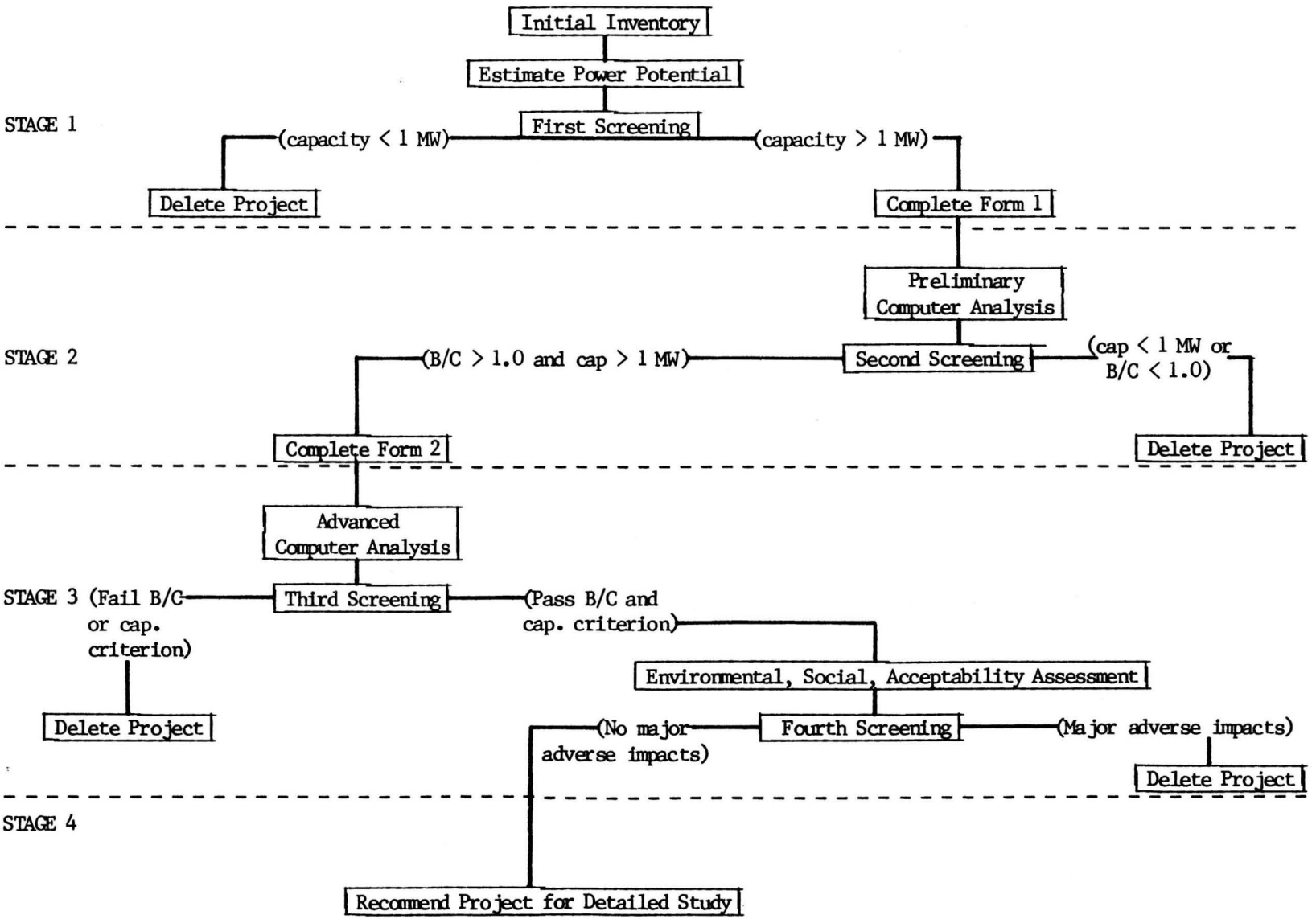
Data-collection procedures and forms developed by the Corps of Engineers' Institute for Water Resources (IWR) were used to assure that the raw data used in screening and project identification were uniformly collected. IWR Forms 1 and 2 were developed for entering eligible projects onto the computerized data base at the end of stages 1 and 2, respectively.

Generalized and site-specific power values were developed by the Federal Energy Regulatory Commission (FERC). The generalized power values were used to compute benefits for stage 2 and for the first screening of stage 3. The second screening of stage 3 consisted of a review of possible environmental, social, and institutional constraints to development.

Table 5-1
GENERAL PLAN OF STUDY

Stage	Objective	Number of Projects and Potential Sites	Basic Evaluation Screening Criteria	Data Required
First	Inventory total physical hydro-power potential	Existing dams and previously identified potential projects	1st screening Installable capacity potential	1. Inventory of dams 2. Previous studies/ inventories of hydro-power potential
Second	Identify physical potential showing possible economic feasibility	Projects from stage 1 with a minimum physical potential	2nd screening Economic-powerhouse cost vs. power benefits	1. Form 1 2. Computer routines-power potential/ powerhouse costs/ power benefits
Third	Indentify economically feasible, acceptable projects	Projects from stage 2 with possible economic feasibility	1. 1st screening Economic feasibility total project costs vs. power benefits 2. 2nd screening Acceptability a. Environmental b. Social	1. 1st screening - Economic feasibility a. Form 2 b. Total project cost c. Regionalized power benefits d. Computer routines - costs/benefits, hydrology 2. 2nd screening a. Form 2 environmental, social and project acceptability data b. Public comments c. State comments
Fourth	Identify projects suitable for further study	1. Projects from stage 3 that are economically feasible and acceptable	1. Conventional system - match developable potential with demand. 2. Assess marketability of development.	1. Conventional system - data from stages 1,2,3.

Figure 5-1
FLOW CHART OF SCREENING PROCESS



The generalized cost estimating procedures were developed so that reconnaissance-level estimates of project costs could be obtained for projects where other, more accurate cost data had not already been developed. Cost-estimating curves, which include powerhouse and switchyard costs, were used in the stage 2 estimates. For the first screening of stage 3, cost estimating procedures which include all project features were used. So that uniform procedures could be followed, the generalized cost curves were programmed for computer analyses and the cost estimating procedures were compiled in a manual for use in office studies. The cost estimating manual is included in Volume XIII of the final NHS report, as are the computer programs and FERC power values.

Site hydrology, costs, and benefits for the large number of potential projects identified during this study were evaluated using computer programs. The computer programs enabled analysis of streamflow data using flow-duration, sequential-flow, or fixed-capacity techniques to find a range of capacity and energy potentials; project benefits, on the basis of FERC power values; project costs, from generalized cost curves; and the scope of project which would maximize net benefits (except when the fixed-capacity technique was used).

5.3 IDENTIFICATION OF POTENTIAL PROJECTS

Initial Inventory

To obtain the initial inventory, all known damsites for which data were available were included. The principal sources of data were catalogues of dams compiled by Corps dam-safety and other reports, State Engineers, the FERC computerized data base, previous water-resource studies, and waterpower surveys conducted by the U.S. Geological Survey. For the WSCC region as a whole, data on 15,561 dams and damsites were amassed. The number of projects in the initial inventory, by power area and State, are shown in Table 5-2.

Table 5-2
NUMBER OF PROJECTS IN INITIAL INVENTORY, BY POWER AREA AND STATE

POWER AREA/State	Existing Projects	Undeveloped Projects	Total
ARIZONA-NEW MEXICO	(517)	(178)	(695)
Arizona	349	51	400
California	1	0	1
New Mexico	155	116	271
Texas	12	11	23
CALIFORNIA-NEVADA	(1304)	(501)	(1805)
California	1124	486	1610
Nevada	180	15	195

Table 5-2(concluded)

POWER AREA/State	Existing Projects	Undeveloped Projects	Total
NORTHWEST POWER POOL	(3472)	(3564)	(7036)
California	4	2	6
Idaho	335	353	688
Montana	1332	705	2037
Nevada	32	14	46
Oregon	543	1547	2090
Utah	389	62	451
Washington	392	609	1001
Wyoming	445	272	717
ROCKY MOUNTAIN	(4576)	(1449)	(6025)
Colorado	3476	1079	4555
South Dakota	250	25	275
Wyoming	850	345	1195
WSCC Total	9869	5692	15561

Note: Includes mutually exclusive alternative projects and projects with no new or additional energy potential.

Stage 1

Stage 1 served to identify the projects that might have physical potential for hydropower development. The principal criterion applied to find the more physically favorable developmental opportunities in the WSCC region was the 1-megawatt minimum size. With a few exceptions, potential projects with less than 1 MW potential were not included in the NHS computerized data base. Another criterion was to eliminate pumped-storage sites from consideration, except for a few sites primarily in the Arizona-New Mexico Power Area which were requested to be retained in public input.

Because of the large number of existing dams and undeveloped damsites, the first task was to eliminate from consideration those with no practical physical potential. For existing dams, data on project name, location, maximum storage capacity, and hydraulic height were obtained from the Corps' inventory of dams. To estimate flow, it was assumed that (1) continuous streamflow would be available sufficient to fill any reservoir in 24 hours, (2) this flow would convert to power at head equal to the maximum height of the dam, and (3) this conversion would be 85 percent efficient. Each site was analyzed by means of the standard formula for hydropower, $kW = HQe/11.8$, where kW = power output in kilowatts, H = head in feet, Q = streamflow in cubic feet per second, and e = plant efficiency, 85% in this case. For undeveloped projects head and average annual flow estimates were obtained directly from the reference source and potential capacity was computed using the above formula, assuming a 50 percent annual plant factor. Even under these admittedly liberal criteria, over 70 percent of the originally considered projects failed

to pass because they could not provide 1 MW of power and so were eliminated from further consideration. The remaining projects which under preliminary analysis showed potential for at least 1 MW were transferred to Form 1, which called for the additional data necessary to screen the projects in stage 2. A sample copy of Form 1, showing the types of data entered, is presented in Appendix A.

After the "ineligible" projects had been dropped from consideration, there remained 4,595 sites to be further considered. The number of projects remaining at the end of stage 1 are shown in Table 5-3.

Table 5-3
NUMBER OF PROJECTS REMAINING AFTER STAGE I, BY POWER AREA AND STATE

POWER AREA/State	Existing Projects	Undeveloped Projects	Total
ARIZONA-NEW MEXICO	(107)	(142)	(249)
Arizona	46	51	97
California	1	0	1
New Mexico	48	82	130
Texas	12	9	21
CALIFORNIA-NEVADA	(463)	(328)	(791)
California	443	316	759
Nevada	20	12	32
NORTHWEST POWER POOL	(826)	(2218)	(3044)
California	4	2	6
Idaho	145	353	498
Montana	102	174	276
Nevada	6	14	20
Oregon	181	963	1144
Utah	132	58	190
Washington	221	600	821
Wyoming	35	54	89
ROCKY MOUNTAIN	(324)	(187)	(511)
Colorado	274	171	445
South Dakota	10	1	11
Wyoming	40	15	55
WSCC Total	1720	2875	4595

Note: Includes mutually exclusive alternative projects and projects with no new or additional energy potential.

Stage 2

Stage 2 was to identify projects which have physical hydropower potential and which might be economically feasible. The projects on Form 1 were analyzed with more stringent physical criteria applied than in Stage 1, to find

potential power capacity, average annual energy, costs for projecct power features, and project power benefits. These costs, which were at July 1978 price levels and were amortized over 100 years at 6-7/8 percent interest and did not encompass the cost associated with dams and reservoirs - only the powerhouse and switchyard costs. This procedure assured that those projects which could not generate enough power to repay power-facility costs would be deleted before more detailed cost and economic analyses were performed. In addition, actual streamflow data and a lower, more realistic net power head were used in the analysis of power potential in stage 2 inplace of the assumed values in stage 1. General screening criteria were a minimum of 1 MW capacity potential and power benefits at least equal to power facility costs. This caused many projects to be deleted. The only projects retained that did not pass stage 2 criteria were those where local conditions indicated that they should be evaluated further. The number of projects remaining at the end of stage 2, just over half of the projects that entered stage 2, is shown in Table 5-4.

Table 5-4
NUMBER OF PROJECTS REMAINING AFTER STAGE II, BY POWER AREA AND STATE

POWER AREA/State	Existing Projects	Undeveloped Projects	Total
ARIZONA-NEW MEXICO	(39)	(21)	(60)
Arizona	26	9	35
California	1	0	1
New Mexico	12	12	24
Texas	0	0	0
CALIFORNIA-NEVADA	(255)	(240)	(495)
California	240	238	478
Nevada	15	2	17
NORTHWEST POWER POOL	(416)	(1376)	(1792)
California	3	1	4
Idaho	84	313	397
Montana	39	109	148
Nevada	4	9	13
Oregon	101	507	608
Utah	69	45	114
Washington	99	350	449
Wyoming	17	42	59
ROCKY MOUNTAIN	(72)	(110)	182)
Colorado	62	110	172
South Dakota	2	0	2
Wyoming	8	0	8
WSCC Total	782	1747	2529

Note: Includes mutually exclusive alternative projects and projects with no new or additional energy potential.

The projects remaining after stage 2 were entered on Form 2. Form 2 data are considerably more detailed than those in Form 1 and include social, environmental, and acceptability data as well as more detailed physical and economic data. A sample Form 2, for the Rock Creek project in Idaho, is shown in Appendix A.

Stage 3 First Screening

Stage 3 first screening was to identify the econmically feasible projects and to learn, by extension, the total economically feasible hydropower potential. This is economic feasibility based on total project costs, i.e., those for a dam, reservoir and powerhouse, rather than just for a powerhouse alone, as was done in stage 2. Also, hydrologic studies more detailed than in stage 2 were made to obtain a final estimate of a project's power capacity.

To assure that project cost estimates would be sufficiently detailed and adequate for comparison, these estimates were based on the average of major construction-cost items derived from historical experience at more than 100 Federally constructed projects nationwide and updated to the July 1978 price level. Cost estimates were obtained by computer and compared with power benefits to determine projects' economic feasibility. Because the benefits are derived on an annual basis, the costs are converted to their annual equivalent. Annual costs reflect 6-7/8 percent interest, an economic project life of 100 years, costs for major replacements, and charges for annual operation and maintenance. Although cost estimates are adequate for comparing potential hydropower developments with each other on a comparable basis, the costs obtained for the projects are not sufficiently detailed to be relied on as estimates of probable actual construction costs. Analyses of project costs in this report, therefore, do not establish actual economic feasibility but only a generalized ordering of potential projects from probable least to most expensive. For a site to be retained after stage 3 first screening, it had to meet the basic 1 MW minimum project size, show an excess of benefits over costs, and show total annual energy costs of less than 70 mills (7 cents) per KWh, with a few exceptions. In the first screening of stage 3, then, the most favorable projects from an economic standpoint are identified. The number of projects remaining in stage 3, by State and power area, is shown in Table 5-5. Less than half the projects which had passed stage 2 screening survived the 1st screening, stage 3.

Table 5-5
NUMBER OF PROJECTS REMAINING AFTER STAGE III FIRST SCREENING, BY POWER AREA AND STATE

POWER AREA/State	Existing Projects	Undeveloped Projects	Total
ARIZONA-NEW MEXICO	(18)	(8)	(26)
Arizona	(9)	(6)	(15)
California	(0)	(0)	(0)
New Mexico	(9)	(2)	(11)
Texas	(0)	(0)	(0)

Table 5-5(concluded)

POWER AREA/State	Existing Projects	Undeveloped Projects	Total
CALIFORNIA-NEVADA	(98)	(27)	(125)
California	96	26	122
Nevada	2	1	3
NORTHWEST POWER POOL	(189)	(613)	(802)
California	1	1	2
Idaho	43	154	197
Montana	23	67	90
Nevada	0	0	0
Oregon	45	195	240
Utah	27	17	44
Washington	43	170	213
Wyoming	7	9	16
ROCKY MOUNTAIN	(53)	(34)	(87)
Colorado	48	34	82
South Dakota	0	0	0
Wyoming	5	0	5
WSCC Total	358	682	1040

Note: Includes mutually exclusive alternative projects and projects with no new or additional energy potential.

Stage 3 Second Screening

The last screening was made to identify which economically feasible hydropower projects are suitable for further study. The screening criteria included environmental, social, and power-marketing constraints to project development. These criteria differ from those used in the earlier stages because they are judgmental rather than based on set mathematical or statistical values.

In general, projects were dropped in this screening if they showed they would have significant adverse environmental or social impacts. These included such considerations as location of a project on a wild and scenic river or a wilderness area, a need for major relocation work, or substantial opposition to a project. While opposition from the general public was considered in the assessment of presence and extent of opposition to a project, State opposition as expressed through its Governor's office was the final basis for determining whether to drop a project from further consideration.

During the stage 3, second screening, input was sought from other Federal agencies, State and local governments, organizations, private concerns, and the citizenry. This public-involvement process is explained in detail in the next chapter. This input was obtained so that the judgmental screening done during this stage would be as informed as possible. The process was conducted in three iterations beginning with review of known legal constraints to develeopment, e.g., wild and scenic rivers status, by the Corps, followed by presentation of preliminary study findings at regional public meetings, and ending with public, Federal agency, and State review of the draft report. As a result of the input-gathering process following publication of the preliminary findings, 85 projects were added to the study and 156 potentially economically feasible projects were dropped from further consideration. Some of the projects added, however, were found to screen-out under criteria used in screenings in stages or stage 3 first screening, while others survived through the final screening. Most projects dropped from consideration were dropped on the basis of stage 3 second screening criteria, i.e., they have major environmental or social impacts. The net effect of the public-involvement input received in response to the preliminary findings was that 5 existing projects were added and 110 undeveloped projects were dropped, since the preliminary stage 3 second screening was published in July 1980. As a result of State review comments on the draft report which was published in January 1981, 97 projects were dropped from further consideration. All but 2 of these projects are located within the Northwest Power Pool area. No projects were dropped because of comments by Federal agencies and, only one project was dropped due to public comments alone. The number of projects surviving after the stage 3 second screening is shown in Table 5-6. Roughly one-half of the projects which passed the stage 3 first screening did not survive the final screening.

Table 5-6
NUMBER OF PROJECTS REMAINING AFTER STAGE III SECOND SCREENING, BY POWER AREA AND STATE

POWER AREA/State	Existing Projects	Undeveloped Projects	Total
ARIZONA-NEW MEXICO	(17)	(7)	(24)
Arizona	9	6	15
California	0	0	0
New Mexico	8	1	9
Texas	0	0	0
CALIFORNIA-NEVADA	(83)	(22)	(105)
California	81	22	103
Nevada	2	0	2

Table 5-6(concluded)

POWER AREA/State	Existing Projects	Undeveloped Projects	Total
NORTHWEST POWER POOL	(174)	(182)	(356)
California	1	1	2
Idaho	42	61	103
Montana	23	17	40
Nevada	0	0	0
Oregon	32	28	60
Utah	27	9	36
Washington	42	61	103
Wyoming	7	5	12
ROCKY MOUNTAIN	(43)	(34)	(77)
Colorado	38	34	72
South Dakota	0	0	0
Wyoming	5	0	5
WSCC Total	317	245	562

Note: Includes mutually exclusive alternative projects and projects with no new or additional energy potential.

Screening Criteria for WSCC Region

The nominal screening criteria explained in Table 5-1 and throughout this chapter were modified slightly by the various Corps divisions and districts participating in the study to take local conditions into account. However, the general result is still the same, to compile a comprehensive inventory of potential hydropower projects and to finish with a number of sites for which detailed studies can be recommended. As stated earlier, the recommendations do not identify who should be responsible for any additional studies. A recommendation of further study, therefore, does not imply that the Corps of Engineers is recommending a particular project to Congress for detailed study by the Corps.

The Corps of Engineers' North Pacific Division (NPD) acted as lead division for the WSCC portion of the National Hydropower Study; its Districts, Portland (NPP), Seattle (NPS), and Walla Walla (NPW) participated at the field level. Other participants were Southwestern Division (SWD) and its Albuquerque District (SWA); Missouri River Division (MRD) and its Omaha District (MRO); and South Pacific Division (SPD) and its Los Angeles (SPL), Sacramento (SPK), and San Francisco (SPN) Districts. The variations to the nominal screening criteria followed by the various offices during site-screening at the field level are shown in Table 5-7; division wide procedures are shown for SWD, MRD, and SPD, while the three NPD districts are shown individually.

Table 5-7
SUMMARY OF SPECIFIC SCREENING PROCEDURES, CRITERIA, AND DEVIATIONS FROM GENERAL PLAN OF STUDY, WSCC

	NPP	NPS	NPW
Stage 1	Projects > 1 MW selected for study. Projects screened out for insufficient head, inflow, or data. "Form 1" compiled.	"Form 1" compiled from readily available data sources, including National Inventory of Dams, previous studies, and inventories of hydropower potential. Projects < 1 MW capacity deleted.	Previously published information on projects and irrigation drop structures with hydro potential tabulated into "Form 1." Some standard-reference projects rejected where those projects duplicated other projects or where the projects were no longer available for development. Projects screened for capacity > 1 MW. Some existing projects incompatible with power production (major conflict in water use) were screened out. Projects screened for B/C ratio (on powerhouse costs and FERC generalized power values), projects with B/C < 1.0 screened out and remainder transferred to "Form 2."
Stage 2	Additional physical data obtained for remaining projects. All projects with B/C > 1.0 retained for further study.	"Form 2" compiled with data-source differences from "Form 1" resolved. Stream gages hand-selected for all projects. Project < 1 MW capacity or 1.0 B/C ratio (on powerhouse costs) deleted.	More specific data, including acceptability, collected for all projects remaining in "Form 2." Projects screened out on acceptability, B/C < 1.0 (existing projects) and B/C < 0.55 (undeveloped projects)
Stage 3	First screening. Economic criteria used in screening: Existing project, incremental B/C ratio ≥ 0.7; undeveloped projects, incremental B/C ratio ≥ 0.7 or 1/no. of project purposes. Second screening. Potential environmental, social, and institutional constraints to development given cursory analysis to delete projects with major constraints. (1) In-house review based on literature search and knowledge of the region. (2) Review of preliminary listing of projects, recommended for further study by Federal and State agencies, local governments special interest groups, and the general public. (3) Screening criteria. Environmental: delete projects on wild and scenic rivers, in wilderness areas, or with combination of adverse impacts. Social: delete projects requiring relocation of large population or inundation of large farmland area. Acceptability: delete projects with preponderance of public opposition or indication of state opposition.	First screening. Refined flow-duration analyses of undeveloped projects completed. Run-of-river projects "fixed" at plant factor 40-50%. Flow-duration results of projects with power storage > 0.1 annual inflow modified to show increases in energy due to storage. Projects with costs > 50 mills/kWh screened out. Existing power projects without additional energy potential screened out. Other existing projects evaluated same as potential projects; owner's estimate of potential used where available. Second screening. Projects in national parks, wilderness and primitive areas, and on wild and scenic rivers screened out. Enviromental and social impacts evaluated; a few projects deleted. Public acceptability of remaining projects determined through contacts with States. Based on State agency review in past from the public at public meetings and in letters, projects opposed by the States were deleted from further study.	First screening. Computer selection of representative USGS gaging stations handchecked prior to final computation of power potential. Projects with costs > 70 mills/kWh screened out. Second screening. Published information and professional judgment used to identify projects with environmental problems. Some projects with significant adverse environmental impacts (violating existing land use constraints; major relocations; or conflict with remaining project recommended for further study and existing anadromous-fish mitigation programs) were screened out. All projects opposed by the States deleted from further consideration.
Stage 4	Remaining projects considered suitable for detailed study.	Remaining projects considered suitable for detailed study.	Remaining projects considered suitable for detailed study.

MRD	SPD	SWD
Stage 1 Initial inventory of existing and undeveloped projects developed and low-potential projects screened out. Projects > 1 MW selected and "Form 1" compiled.	Stage 1 Available published and unpublished reports researched to identify potential projects. "Form 1" data base compiled, containing undeveloped projects and existing dams with physical potential for hydropower development of installed capacity >50 kW (superficial estimate).	Stage 1 List of eligible existing dams (superficial estimate of potential > 1 MW) and undeveloped projects obtained. "Form 1" data base compiled. Pumped-storage and existing offstream projects with minimal natural inflows deleted.
Stage 2 Project hydrology, costs, and benefits evaluated. Flow-duration and sequential-flow analyses made. From generalized cost curves and regional power values, projects < 50 kW or 1.0 B/C ratio screened out, and "Form 2" compiled.	Stage 2 "Form 2" data base compiled. Preliminary flow-duration analyses completed. Existing and undeveloped projects screened out if B/C ratio < 1.0 (powerhouse costs only) and if capacity < 1 MW.	Stage 2 Projects < 50 kW or with < 1.0 B/C ratio screened out by preliminary flow-duration analysis. "Form 2" compiled, with more detailed economic and physical data.
Stage 3 Detailed power data compiled for projects. Existing projects < 1 MW or 1.0 B/C ratio and single-purpose undeveloped projects < 1 MW or < 0.7 B/C ratio screened out; projects in this category without existing power facilities deleted from active inventory. Projects screened for environmental and social factors and for acceptability.	Stage 3 First screening. Existing projects screened out if B/C ratio < 1.0 or incremental capacity ≤ 500 kW; screened-out existing projects retained if incremental costs < 50 mills/kWh and capacity ≥ 100 kW. Undeveloped projects screened out if B/C ratio < 0.7 or incremental capacity ≤ 500 kW; screened-out undeveloped projects retained if B/C ratio was 0.5 to 0.7 and capacity 750 kW, if B/C ratio would be > 0.7 with sequential analysis, or if cost would < 50 mills/kWh and capacity ≥ 100 kW. Capacity and energy from computer analysis used without adjustments. Second screening. Existing dams with hydro installed or with hydro potential assumed to have only minor adverse environmental/social impact. Undeveloped projects screened out if in existing national parks or wilderness areas, or on wild and scenic rivers; projects retained if on freeflowing streams, in national recreation areas, or in proposed wilderness, or on proposed wild and scenic rivers. Undeveloped projects not screened out solely for cultural or social factors but screened out for a combination of these and other impacts. Undeveloped projects screened out if endangered species, critical habitat, or great difficulty in mitigation would be involved.	Stage 3 First screening. Refined flow-duration analyses performed. Sequential analyses made of projects with power storage > 0.1 average annual inflow. Certain projects screened out on professional judgement. Second screening. Strict economic screening not employed. Projects screened for environmental and social factors, project acceptability, and power marketability; no projects deleted.
Stage 4 Projects analyzed, and projects without overriding environmental active inventory or social concerns considered suitable for further study.	Stage 4 Remaining projects considered suitable for further study.	Stage 4 Remaining projects considered suitable for further study.

Chapter 6
PUBLIC INVOLVEMENT

Throughout the study, information on potential hydropower development by private and public utilities was solicited. Study objectives and procedures were discussed with public interest groups, and with local, State and Federal water resources agencies to obtain their views of the study procedures and final results. Public meetings on both project recommendations and general policies affecting hydropower development were conducted during the reporting process.

6.1 PUBLIC MEETINGS

Four regional public meetings were held in the Western Systems Coordinating Council (WSCC) region. They were in Portland, Oregon; Denver, Colorado; Sacramento, California; and Helena, Montana on 4, 6, 8, and 14 August 1980, respectively. Prior to the meetings, about 8,000 announcements were mailed throughout the 13-state western region to interested groups and individuals; the mailing list had been compiled from several sources and encompassed all public and private interests in hydropower. Advance notice of the meetings was also given by the news media. Each meeting, lasting several hours, provided a forum for dialogue on the study's inventory, evaluation, and screening procedures, on specific projects tentatively recommended for detailed study; and, on issues attending development and expansion of hydropower resources.

Accompanying the meeting announcement was a public-information brochure which explained the study's purpose and which contained a listing of potentially viable hydropower projects in the 13-state region. This listing was intended to give potential meeting participants and others interested in the study an opportunity to learn of the preliminary findings of the study. It was also intended to serve as a basis for those interested to prepare comments for presentation at the regional meetings, if desired. Also, it would allow those who were unable to attend an opportunity to participate as well. A return mailer was provided with the meeting notice to encourage addressees to comment on the study.

Originally, it had been intended to hold three public meetings, and the Governors of States in the WSCC region were so informed. Concern arose in Montana that many people who were interested in the study would have to travel too far to present their input. At the request of Congressman Pat Williams of Montana, the schedule of regional meetings was expanded to include the meeting in Helena.

As a result of participation in the meetings and responses received from those who were unable to attend, the original mailing list of 8,000 was pared to about 1,000 for activities remaining in the study. It was assumed that only those who responded at this critical stage of the study were still interested in the outcome.

Participation

Over 300 individuals attended the four meetings. In addition, hundreds of letters and two petitions were received in response to the meeting notice from persons who were unable to attend the meetings.

All four meetings were conducted on the same format. Following preliminary business and introductions, a general overview of the study was presented by a representative of the Corps' Institute for Water Resources, then a technical presentation on the study findings to date was presented by the Corps' regional study manager. The remainder of the meeting was given over first to questions and answers and then to formal oral presentations. Written statements, which in some cases were summarized orally, were also presented to the Corps of Engineers at the meetings. After all input had been received, meetings were then closed by the presiding officer. A 30-day comment period following the last (Helena) meeting was given for written materials to be presented to the Corps of Engineers. Because of numerous requests that more time be allowed, another 60 days was added to the comment period. All comments received by 15 November 1980 are addressed specifically in the public-involvement appendix accompanying this report.

In the period following the meetings and distribution of the project information, many individuals persuaded their elected representatives of their concerns about various streams, or projects covered in the study. Letters of inquiry were received from Congressional and State representatives as a result. Input also has been received from elected officials of local governments and from agencies at all levels of government as a result of public-involvement activities pursued during the study. To assist in completing the report of findings, the State governments have been asked to comment officially on the suitability of all sites within their States for more detailed study.

Input

At the four public meetings, 40 individuals gave more or less formal oral presentations. In addition, many persons participated in the question-and-answer sessions. Some of those giving oral presentations supplemented their statements with more detailed written input as well.

Written comments received from those who did not attend the meetings totalled 384. Responses by State (of residence) were: Arizona 3, California 14, Colorado 12, Idaho 86, Montana 33, Nebraska 1, New Mexico 1, Oregon 166, Texas 1, Utah 2, Washington 60, Wyoming 3, and District of Columbia 2. No responses were received from residents of South Dakota or Nevada, two other States in the WSCC region. Responses to the issues and questions raised in the written comments received from those who did not attend the meetings are presented in the public-involvement appendix to this report.

In addition to the four meetings on project-screening, one of the three national meetings on the policy studies being conducted as part of the study was held in the WSCC region, at Portland, Oregon, on 20 November 1980. (The

other two meetings were held in the Washington, D.C. area) The Portland meeting drew participants even from areas outside the WSCC region. The four policy studies for which input was collected were legal and institutional aspects of hydropower development, assessment of environmental impacts and issues concerning hydropower development and operation, economic evaluation procedures applied to hydropower, and the marketing and transmission of hydropower. Workshop sessions were held on each of the policy studies. Although the meeting agenda for the policy studies specifically excluded consideration of sites or project-screening, meeting participants' demand for information on project-screening procedures was so great that it was necessary to set up an impromptu workshop session on that topic as well.

6.2 OTHER ACTIVITIES

In addition to the public meetings, numerous public-involvement events took place on a day-to-day basis. These events ranged widely in size and scope, from answering individuals' requests for information on specific projects to extensive coordination with other agencies. Among the most widespread of the information activities was to furnish the Hydropower Cost Estimating Manual, published in May 1979 by the Corps' North Pacific Division, to those requesting copies; as of August 1981, about 750 agencies, private concerns, groups or individuals had received one or more copies. The study was closely coordinated with the States, which provided input in determining each site's suitability for further study. Also, many meetings were held with States and others to explain the course of action being pursued in the study.

6.3 MEETING TRANSCRIPT LOCATION

The substantive issues raised in prepared presentations and in question-and answer sessions at the four public meetings held in August 1980 are presented in the public-involvement appendix to this report. If it is desired that the public meeting record be examined in toto, copies are available for public inspection during business hours at the following address:

U.S. Army Engineer Division, North Pacific
220 N.W. 8th Avenue
P.O. Box 2870
Portland, OR 97208
ATTN: Planning Division

or, copies of the official transcript of the proceedings of meeting may be obtained at the cost of reproduction by writing to the same address.

6.4 REVIEW OF DRAFT REPORT

The final stage in the public-involvement process was a 90-day period provided for the States and Federal agencies to review the draft report. Special interest groups and the general public were provided a 45-day review period.

When the report was made available, an information bulletin on the study was issued, inviting review and summarizing changes in the number of projects recommended for further study as a result of public response to the preliminary findings of the study. Also, the availability of the report was described. Those who wished to review the report could review free copies made available at public locations throughout the WSCC region. These locations included all Corps of Engineers offices, and selected State and public libraries. In addition, review copies of the report were provided to the States within the WSCC region, interested Federal agencies, and selected special interest groups. In all, 300 copies of the report and approximately 1,000 copies of the information bulletin referred to above were printed and distributed.

Written comments received from those who reviewed the draft report totalled 119, excluding a petition with 210 signatories opposing the Galesville project, Douglas County, Oregon. Responses by State (of residence) were: California 11, Colorado 1, Idaho 27, Montana 2, New Mexico 1, Oregon 33, Texas 1, Utah 1, Washington 40, and Wyoming 2. Nearly 75 percent of the letters of comment were received from special interest groups (primarily environmental groups and Indian tribes) and the general public. In general, these comments expressed opposition to additional hydropower development, especially at presently undeveloped sites. Letters from the States (of the WSCC States, Arizona, Nevada, South Dakota, Texas, and Utah, did not provide comments) represented 13 percent of the letters received. These comments provided the basis for the final screening as all projects considered to be unsuitable for further study by the state in which the projects were located were dropped from the recommended-project list. The only project dropped which was not opposed to by a State was the Galesville project referred to above. All but one of the remaining letters (11 percent) were received from Federal agencies. In general, these comments provided additional information on the potential impacts of specific projects. The information received from all respondents was evaluated in making final revisions to the report and the letters received, together with summaries of issues and questions raised, are included in the public-involvement appendix to this report. The Corps' responses to the issues and questions are also presented. Copies of the public involvement appendix are available at the cost of printing from the following address:

U.S. Army Engineer Division, North Pacific
220 N.W. 8th Avenue
P.O. Box 2870
Portland, OR 97208
ATTN: Planning Division

or, copies may be reviewed at any Corps of Engineers office listed on the title page of this report.

Chapter 7

EVALUATION

7.1 POTENTIAL REGIONAL HYDROPOWER CAPACITY AND ENERGY

The screening results presented in Chapter 5 show how preferable projects were identified from 15,561 potential projects in the WSCC region. Through analysis of these initially inventoried projects, it was found that for the region as a whole, 2,529 projects have hydropower facilities already installed or have an estimated physical hydropower potential of approximately 1 MW or more. Of these projects, only slightly more than 40 percent (1040 projects) are potentially economically feasible, based on estimated total project costs. Analyses of potential non-economic constraints to the development of potentially economically feasible projects indicate that 565 projects are suitable for further study by reason of not having severe environmental, social, or other limitations. However, as was emphasized in Chapter 5, a number of these potential projects are mutually exclusive since, in several instances, there are alternative schemes for developing the same stream reach. Eliminating the mutually exclusive projects (the best development scheme for each stream reach is retained) reduces the number of projects in each category as follows: physical potential, 1,939; economically feasible, 883; and, suitable for further study, 519. The following discussion shows the generating capacity and potential energy associated with the physically feasible, economically feasible, and suitable-for-further-study projects. To avoid double-counting of capacity and energy potentials, mutually exclusive projects which are included in the data base and in the summary tables in Chapter 5 are excluded. These three levels respectively show the WSCC region's physical potential for hydropower development, its potential under today's economic conditions, and what level of development might enjoy a fair amount of public and institutional support.

Total Physical Hydropower Potential

The region's total physical potential is represented by those projects which survived stage 2 screening. The physical characteristics of the project sites are such that no insuperable obstacles to construction exist. The estimated generating capacity available from the region's physically feasible projects is only slightly less than 105 million kilowatts. For reference, the WSCC region's largest hydropower plant, Grand Coulee Dam, has an installed generating capacity of 6 million kilowatts at the present time. The average amount of energy available from these physically feasible projects is estimated to be over 214 billion kilowatt-hours annually, enough electricity to supply the needs of a population of over 21 million, based on 1978 National per capita consumption. The potential capacity and energy available from the region's physically feasible powerplants is shown in Table 7-1; data are shown for the power areas, for the States, and for existing and undeveloped projects.

Table 7-1

TOTAL PHYSICAL HYDROPOWER POTENTIAL, WSCC REGION[1]

POWER AREA/State	EXISTING			UNDEVELOPED			TOTAL		
	No.	Capacity (MW)	Energy (GWh)	No.	Capacity (MW)	Energy (GWh)	No.	Capacity (MW)	Energy (GWh)
ARIZONA-NEW MEXICO	(19)	(468)	(656)	(17)	(1,723)	(5,363)	(36)	(2,191)	(6,019)
Arizona	10	87	126	6	1,518	4,464	16	1,605	4,590
New Mexico	9	381	530	11	205	899	20	586	1,429
CALIFORNIA-NEVADA	(124)	(3,587)	(3,703)	(202)	(17,335)	(19,457)	(326)	(20,922)	(23,160)
California	119	3,584	3,689	195	17,335	19,455	314	20,919	23,144
Nevada	5	3	14	7	2/	2	12	3	16
NORTHWEST POWER POOL	(269)	(11,559)	(13,864)	(1,161)	(64,918)	(160,632)	(1,430)	(76,477)	(174,496)
California	1	260	362	1	91	205	2	351	567
Idaho	53	1,366	2,067	279	27,549	45,986	332	28,915	48,053
Montana	31	667	1,164	68	5,863	15,104	99	6,530	16,268
Nevada	3	2/	2	9	4	8	12	4	10
Oregon	70	3,305	5,051	445	16,186	52,092	515	19,491	57,143
Utah	36	474	411	39	3,548	5,510	75	4,022	5,921
Washington	64	5,442	4,668	282	10,442	38,664	346	15,884	43,332
Wyoming	11	45	139	38	1,235	3,063	49	1,280	3,202
ROCKY MOUNTAIN	(49)	(696)	(990)	(98)	(4,682)	(9,409)	(147)	(5,378)	(10,399)
Colorado	43	356	752	98	4,682	9,409	141	5,038	10,161
Wyoming	6	340	238	0	0	0	6	340	238
WSCC TOTAL	461	16,310	19,213	1,478	88,658	194,861	1,939	104,968	214,074

1/ Excludes mutually exclusive alternative projects and projects with no new or additional energy potential.

2/ Less than 0.5 MW.

Economically Feasible Hydropower Potential

The region's economically feasible hydropower potential is represented by those projects which survived stage 3, first screening. These are projects which would be the most economically feasible to build under economic conditions which currently prevail. However, since costs and benefits were estimated on a generalized rather than a detailed, site-specific basis, using a 100-year project life, 6-7/8 percent interest, and July 1978 price levels, it is emphasized that the results establish relative, rather than actual economic feasibility. As a result, these estimates would not be a suitable basis for making investment decisions. More detailed study would be required to establish the true economic and financial feasibility of potential projects. However, if there were no other constraints to project development they would indicate which projects should be studied and constructed first.

The generating capacity available from the region's 883 potentially economically feasible hydropower projects (excludes mutually exclusive projects) is over 81 million kilowatts. The average energy available from these projects is over 174 billion kilowatt-hours annually. The potential capacity of, and energy available from, the region's economically feasible power projects is shown by power areas and State, for existing and undeveloped projects in Table 7-2.

Table 7-2
TOTAL ECONOMICALLY FEASIBLE HYDROPOWER POTENTIAL, WSCC REGION[1]

POWER AREA/State	EXISTING			UNDEVELOPED			TOTAL		
	No.	Capacity (MW)	Energy (GWh)	No.	Capacity (MW)	Energy (GWh)	No.	Capacity (MW)	Energy (GWh)
ARIZONA-NEW MEXICO	(18)	(468)	(656)	(8)	(1,519)	(4,469)	(26)	(1,987)	(5,125)
Arizona	9	87	126	6	1,518	4,464	15	1,605	4,590
New Mexico	9	381	530	2	1	5	11	382	535
CALIFORNIA-NEVADA	(83)	(2,041)	(3,273)	(35)	(10,913)	(11,562)	(118)	(12,954)	(14,835)
California	81	2,038	3,261	35	10,913	11,562	116	12,951	14,823
Nevada	2	3	12	0	0	0	2	3	12
NORTHWEST POWER POOL	(183)	(6,677)	(11,614)	(470)	(56,169)	(135,245)	(653)	(62,846)	(146,859)
California	1	260	362	1	91	205	2	351	567
Idaho	42	1,284	1,958	131	26,053	42,814	173	27,337	44,772
Montana	23	626	1,054	39	5,460	13,839	62	6,086	14,893
Nevada	0	0	0	0	0	0	0	0	0
Oregon	44	2,991	4,884	140	12,594	41,113	184	15,585	45,997
Utah	27	240	306	17	3,434	5,209	44	3,674	5,515
Washington	39	1,231	2,912	133	7,593	29,778	172	8,824	32,690
Wyoming	7	45	138	9	944	2,287	16	989	2,425
ROCKY MOUNTAIN	(43)	(694)	(987)	(43)	(3,231)	(6,902)	(86)	(3,925)	(7,889)
Colorado	38	356	751	43	3,231	6,902	81	3,587	7,653
Wyoming	5	338	236	0	0	0	5	338	236
WSCC TOTAL	327	9,880	16,530	556	71,832	158,178	883	81,712	174,708

1/ Excludes mutually exclusive alternative projects.

Economically Feasible Projects with Non-Economic Constraints to Development

During stage 3, second screening, a total of 369 potentially economically feasible projects in the WSCC region were dropped from further consideration because they would have significant adverse environmental or social impacts. These projects represent potential economic opportunities foregone because of non-economic constraints. They represent foregoing the opportunity to develop 61 million kilowatts of generating capacity and to provide over 126 billion kilowatt-hours of average annual energy for the WSCC region. The amount of energy foregone represents 72 percent of the amount available at economically feasible projects and 59 percent of the region's total physical potential.

The potential generating capacity of, and energy available from, the region's potentially economic powerplants with non-economic constraints is presented in Table 7-3, by State and for existing and undeveloped powerplants. An indication of subregional priorities within the WSCC region is indicated by the extent of the non-economic constraints to additional hydropower development in each subregion. The Arizona-New Mexico subregion with a limited amount of existing and potential hydropower shows no potential projects being deleted because of non-economic constraints. In the remaining subregions the amount of potentially economically feasible energy production foregone due to non-economic constraints is as follows, in alphabetical order: California-Nevada, 49 percent; Northwest Power Pool, 79 percent; and, Rocky Mountain, 46 percent. In the Northwest Power Pool subregion, much of the potentially economically feasible development opportunities are foregone because of concerns over protecting the remaining anadromous fish runs. This concern is based almost entirely on emotional rather than economic values and objectives. Major categories of non-economic contraints and the percent of the energy forgone attributable to each are as follows for the WSCC as a whole: parks and wilderness areas, 15.4 percent; wild and scenic rivers, 42.7 percent; fish and wildlife, including endangered species, 6.6 percent; and social, including public and state opposition and major relocations, 35.3 percent. The number of potential projects, capacity, and energy in each of these categories is shown in Tables 7-4 through 7-6 by Power Area and State, except the Arizona-New Mexico Power Area which does not have any proj-ects represented. A detailed listing by river system and State of the number of projects precluded from development by non-economic constraints is shown in Appendix A.

Table 7-3
ECONOMICALLY FEASIBLE HYDROPOWER POTENTIAL WITH NON-ECONOMIC CONSTRAINTS TO DEVELOPMENT, WSCC REGION[1]

POWER AREA/State	EXISTING			UNDEVELOPED			TOTAL		
	No.	Capacity (MW)	Energy (GWh)	No.	Capacity (MW)	Energy (GWh)	No.	Capacity (MW)	Energy (GWh)
ARIZONA-NEW MEXICO	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Arizona	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0
CALIFORNIA-NEVADA	(0)	(0)	(0)	(16)	(8,769)	(7,312)	(16)	(8,769)	(7,312)
California	0	0	0	15	8,716	7,243	15	8,716	7,243
Nevada	0	0	0	1	53	69	1	53	69
NORTHWEST POWER POOL	(14)	(1,335)	(650)	(329)	(49,106)	(115,147)	(343)	(50,441)	(115,797)
California	0	0	0	0	0	0	0	0	0
Idaho	1	660	20	76	23,198	34,890	77	23,858	34,910
Montana	0	0	0	29	4,428	11,381	29	4,428	11,381
Nevada	0	0	0	0	0	0	0	0	0
Oregon	12	672	618	127	12,346	39,910	139	13,018	40,528
Utah	0	0	0	8	2,383	3,809	8	2,383	3,809
Washington	1	3	12	85	6,248	23,923	86	6,251	23,935
Wyoming	0	0	0	4	503	1,234	4	503	1,234
ROCKY MOUNTAIN	(0)	(0)	(0)	(10)	(2,316)	(3,613)	(10)	(2,316)	(3,613)
Colorado	0	0	0	10	2,316	3,613	10	2,316	3,613
Wyoming	0	0	0	0	0	0	0	0	0
WSCC TOTAL	14	1,335	650	355	60,191	126,072	369	61,526	126,722

1/ Excludes mutually exclusive alternative projects.

Table 7-4
ECONOMICALLY FEASIBLE HYDROPOWER POTENTIAL WITH NON-ECONOMIC CONSTRAINTS TO DEVELOPMENT, CALIFORNIA-NEVADA POWER AREA

CONSTRAINT TYPE State	NUMBER OF AREAS	NUMBER OF PROJECTS 1/	CAPACITY 1/ (MW)	ENERGY 1/ (GWH)
PARKS AND WILDERNESS	(3)	(3)	(481)	(686)
California	3	3	481	686
Nevada	0	0	0	0
WILD AND SCENIC RIVERS	(1)	(4)	(7,176)	(4,483)
California	1	4	7,176	4,483
Nevada	0	0	0	0
FISH AND WILDLIFE 2/	5 3/	7	(971)	(1,706)
California	4	6	918	1,637
Nevada	1	1	53	69
SOCIAL 4/	(2) 3/	(2)	(141)	(438)
California	2	2	141	438
Nevada	0	0	0	0
TOTAL	11	16	8,769	7,313

1/ Excludes mutually exclusive alternative projects.
2/ Includes projects with overriding adverse impacts to high quality resident or anadromous fish or endangered species.
3/ Number of streams.
4/ Includes projects with major relocations or local or State opposition.

Table 7-5
ECONOMICALLY FEASIBLE HYDROPOWER POTENTIAL WITH NON-ECONOMIC CONSTRAINTS TO DEVELOPMENT, NORTHWEST POWER POOL AREA

CONSTRAINT TYPE State	NUMBER OF AREAS	NUMBER OF PROJECTS 1/	CAPACITY 1/ (MW)	ENERGY 1/ (GWH)
PARKS AND WILDERNESS	(30)	(65)	(8,470)	(17,393)
California	0	0	0	0
Idaho	7	11	5,522	6,643
Montana	0	0	0	0
Nevada	0	0	0	0
Oregon	11	19	748	2,813
Utah	3	3	357	850
Washington	7	28	1,340	5,853
Wyoming	2	4	503	1,234
WILD AND SCENIC RIVERS	(26)	(83)	(21,540)	(49,650)
California	0	0	0	0
Idaho	6	28	8,365	12,265
Montana	7	18	2,895	7,957
Nevada	0	0	0	0
Oregon	7	30	8,617	25,726
Utah	1	1	1,061	1,390
Washington	5	6	602	2,312
Wyoming	0	0	0	0
FISH AND WILDLIFE 2/	(10) 3/	(14)	(2,380)	(4,478)
California	0	0	0	0
Idaho	1	2	73	363
Montana	5	6	1,267	2,073
Nevada	0	0	0	0
Oregon	2	2	76	472
Utah	2	4	964	1,570
Washington	0	0	0	0
Wyoming	0	0	0	0
SOCIAL 4/	(102) 3/	(181)	(18,050)	(44,279)
California	0	0	0	0
Idaho	13	36	9,899	15,639
Montana	3	5	266	1,351
Nevada	0	0	0	0
Oregon	50	88	3,576	11,518
Utah	0	0	0	0
Washington	36	52	4,309	15,771
Wyoming	0	0	0	0
TOTAL	168	343	50,440	115,800

1/ Excludes mutually exclusive alternative projects.
2/ Includes projects with overriding adverse impacts to high quality resident or anadromous fish or endangered species.
3/ Number of streams.
4/ Includes projects with major relocations or local or State opposition. State opposition stems primarily from fish and wildlife concerns.

Table 7-6
ECONOMICALLY FEASIBLE HYDROPOWER POTENTIAL WITH NON-ECONOMIC CONSTRAINTS TO DEVELOPMENT, ROCKY MOUNTAIN POWER AREA

CONSTRAINT TYPE State	NUMBER OF AREAS	NUMBER OF PROJECTS 1/	CAPACITY 1/ (MW)	ENERGY 1/ (GWH)
PARKS AND WILDERNESS	(3)	(4)	(576)	(1,455)
Colorado	3	4	576	1,455
South Dakota	0	0	0	0
Wyoming	0	0	0	0
WILD AND SCENIC RIVERS	(0)	(0)	(0)	(0)
Colorado	0	0	0	0
South Dakota	0	0	0	0
Wyoming	0	0	0	0
FISH AND WILDLIFE 2/	(3) 3/	(6)	(1,740)	(2,159)
Colorado	3	6	1,740	2,159
South Dakota	0	0	0	0
Wyoming	0	0	0	0
SOCIAL 4/	(0) 3/	(0)	(0)	(0)
Colorado	0	0	0	0
South Dakota	0	0	0	0
Wyoming	0	0	0	0
TOTAL	5	10	2 316	3,614

1/ Excludes mutually exclusive alternative projects.
2/ Includes projects with overriding adverse impacts to high quality resident or anadromous fish or endangered species.
3/ Number of streams.
4/ Includes projects with major relocations or local and State opposition.

Projects Suitable for Further Study

The region's 519 projects which are suitable for further study are those which passed all screening criteria. They are potentially economically feasible projects without severe environmental, social, or other non-economic constraints to development. In all, these projects aggregate almost 21 million kilowatts of generating capacity and could provide about 49.8 billion kilowatt-hours of energy on the average. The potential, however, is not distributed evenly throughout the region. The Northwest Power Pool area has the most potential with 32.8 billion kilowatt-hours energy annually (65.9 percent) followed in descending order by California-Nevada with 7.6 billion kilowatt-hours annually (15.2 percent); Arizona-New Mexico with 5.1 billion kilowatt-hours annually (10.3 percent); and Rocky Mountain with 4.3 billion kilowatt-hours annually (8.6 percent).

The generating capacity of, and energy available from the region's projects found to be suitable for further study are shown in Table 7-7. A summary listing of individual projects which passed all screening stages and are suitable for further study is shown at the end of this chapter in Table 7-13. Projects are listed in the table first by power area, second, by State; third, by county; and, fourth, alphabetically within county. In addition to project name and power area, State, and county information, estimates of capacity and energy potential, average energy cost, and environmental and social impacts are shown. A detailed description of the tabulated data precedes the table.

Table 7-7
PROJECTS SUITABLE FOR FURTHER STUDY[1]

POWER AREA/State	EXISTING			UNDEVELOPED			TOTAL		
	No.	Capacity (MW)	Energy (GWh)	No.	Capacity (MW)	Energy (GWh)	No.	Capacity (MW)	Energy (GWh)
ARIZONA-NEW MEXICO	(17)	(466)	(651)	(7)	(1,518)	(4,465)	(24)	(1,984)	(5,116)
Arizona	9	87	126	6	1,518	4,464	15	1,605	4,590
New Mexico	8	379	525	1	2/	1	9	379	526
CALIFORNIA-NEVADA	(83)	(2,041)	(3,273)	(20)	(2,198)	(4,319)	(103)	(4,239)	(7,592)
California	81	2,038	3,261	20	2,198	4,319	101	4,236	7,580
Nevada	2	3	12	0	0	0	2	3	12
NORTHWEST POWER POOL	(172)	(5,529)	(11,505)	(144)	(7,069)	(21,319)	(316)	(12,598)	(32,824)
California	1	260	362	1	91	205	2	351	567
Idaho	42	730	2,189	55	2,855	7,924	97	3,585	10,113
Montana	23	626	1,054	9	961	3,160	32	1,587	4,214
Nevada	0	0	0	0	0	0	0	0	0
Oregon	32	2,320	4,266	13	248	1,258	45	2,568	5,524
Utah	27	240	306	9	1,051	1,400	36	1,291	1,706
Washington	40	1,308	3,190	52	1,422	6,319	92	2,730	9,509
Wyoming	7	45	138	5	441	1,053	12	486	1,191
ROCKY MOUNTAIN	(43)	(694)	(987)	(33)	(897)	(3,289)	(76)	(1,591)	(4,276)
Colorado	38	356	751	33	897	3,289	71	1,253	4,040
Wyoming	5	338	236	0	0	0	5	338	236
WSCC TOTAL	315	8,730	16,416	204	11,682	33,392	519	20,412	49,808

1/ Excludes mutually exclusive alternative projects.
2/ Less than .5 MW.

7.2 POTENTIAL HYDROPOWER VS. PROJECTED DEMAND

As explained in chapter 4, the WSCC region as a whole is projected to have a peak power demand of 120 thousand megawatts (MW) and a gross electric energy demand of 714.9 million megawatt-hours (MWh) annually by 1990. By 2000 this demand is projected to reach 174.6 thousand MW and 1,033.1 million MWh annually for peak power and energy, respectively. Since the region's present (1978) peak power and electric energy demand are 68.7 thousand MW and 410.1 million MWh, respectively, the region will need an additional 51.3 thousand MW of peaking capability and 304.8 million MWh of energy production by 1990. By 2000 additional peaking and energy production capability of 105.9 thousand MW and 623 million MWh, respectively, will be required.

The estimates of hydropower potential in the preceding section are shown for both existing and undeveloped hydropower projects. In the following section, the average energy potential of existing and undeveloped projects, identified as being suitable for further study, are compared with the demand for electric energy to show the practical potential contribution of hydropower development to meeting the demand by 1990 (near term) and by 2000 (long term). Because, with a few exceptions, of the long lead time from planning through construction of new hydropower projects, undeveloped projects are not considered to be developable during the near term. In the following section and its accompanying tables, the comparison of potential hydropower resources to projected demand, therefore, shows the potential at existing projects being developed in the near term and undeveloped projects being developed in the long term.

Because of the lack of required specific data on project operational modes, an evaluation of the probable contribution of potential hydropower projects to peak power demand is not attempted. An evaluation of peak demand requires data on the capability of individual projects to contribute to system load-carrying capability during the period (month) of peak demand for a given region. These data were not developed as part of the NHS. Estimates of capacity that are shown for projects included in the NHS are estimates of installed capacity only. Any attempt at relating these data with projected capacity requirements would be meaningless. This does not imply, however, that the development of additional hydropower projects would not contribute toward meeting capacity requirements. It would contribute, but data on the magnitude of the contribution are not available. Readers are therefore cautioned to avoid the temptation to place potential hydropower projects under the projected regional load curves on the basis of the annual plant factors computed by the NHS. Again, the dependability of the projects studied, i.e., peak load carrying capability of the estimated installed capacities, has not been determined.

Because of the wide variation in population and overall economy from place to place, the additional electric energy required will not be uniform throughout the WSCC region. The following discussion shows the relationship between electric energy demand and potential hydropower in each of the WSCC region's four power areas.

Arizona-New Mexico Power Area

The additional annual requirements for electric energy in the Arizona-New Mexico Power Area will be 40.8 million MWh by 1990 and 81.6 million MWh by 2000. With near (by 1990) and long (2000 and after) term hydropower development potentials of 651 GWh (gigawatt-hours) and 4,465 GWh, respectively, the hydropower resources of this area fall far short of these demands. The potential contribution of hydropower resources to projected energy demands in the Arizona-New Mexico Power Area is shown in Table 7-8. As shown in Table 7-8, the contribution of conventional hydropower projects to electric energy supply is expected to decrease in the near term (by 1990) from 8.0 percent to 4.7 percent by 1990. With development of suitable undeveloped sites, however, hydropower's contribution should increase to a 6.8 percent share by 2000, thus indicating a diminished future role for hydropower.

Table 7-8
ELECTRIC ENERGY DEMAND VS. HYDROPOWER RESOURCES, ARIZONA-NEW MEXICO POWER AREA

	Present (1978)	Near Term (1990)	Long Term (2000)
		(Gigawatt-hours)	
Demand	37,400	78,200	119,000
Existing (1978) Resources	37,400	37,400	37,400
Deficit	-	40,800	81,600
Potential from Existing Projects	-	651	651
Deficit	-	40,149	80,949
Potential from Undeveloped Projects	-	-	4,465
Deficit	-	40,149	76,484
Contribution of Hydropower			
Gigawatt-hours	3,008 1/	3,659	8,124
Percent	8.0	4.7	6.8

1/ Generation from conventional hydropower in 1979 (Table 3-1).

California-Nevada Power Area

The additional annual requirements for electric energy in the California-Nevada Power Area will be 106.8 million MWh by 1990 and 222.0 million MWh by 2000. Although generating resources are somewhat more plentiful than in Arizona-New Mexico, hydropower would be able to meet proportionally even less of the projected demand in California-Nevada because of this power area's large present and prospective population and associated demand for electricity. In the future, hydropower's share of the electrical energy generation in the region is expected to drop from 18.7 percent in 1978, to 12.9 percent in 1990, and to 9.7 percent in 2000. The potential contribution of future hydropower development to projected demands in the California-Nevada Power Area is shown in Table 7-9.

Table 7-9
ELECTRIC ENERGY DEMAND VS. HYDROPOWER RESOURCES, CALIFORNIA-NEVADA POWER AREA

	Present (1978)	Near Term (1990)	Long Term (2000)
		(Gigawatt-hours)	
Demand 1/	181,500	288,300	403,500
Existing (1978) Resources	181,500	181,500	181,500
Deficit	-	106,800	222,000
Potential from Existing Projects	-	3,273	3,273
Deficit	-	103,527	218,727
Potential from Undeveloped Projects	-	-	4,319
Deficit	-	103,527	214,408
Contribution of Hydropower			
Gigawatt-hours	33,904 2/	37,177	41,496
Percent	18.7	12.9	9.7

1/ Combined demand of Northern and Southern California-Nevada (Tables 4-8 and 4-9).

2/ Generation from conventional hydropower in 1979 (Table 3-1).

Northwest Power Pool Area

The additional annual requirements for electric energy in the Northwest Power Pool will be 132.4 million MWh by 1990 and 270.4 million MWh by 2000. Although the Northwest Power Pool contains nearly 66 percent of the region's potential hydropower resources suitable for further study and over 80 percent of the WSCC region's physical potential, hydropower will be able to meet less than 20 percent of the area's projected demand. Even so, hydropower can satisfy a far larger share here than in the other three power areas. Since the 1930's, when the Federal government initiated a major effort to develop the water resources of the region--the Pacific Northwest in particular--hydropower has been the dominant source of electric energy. In 1978 hydropower produced nearly 76 percent of the region's electric energy. If all of the potentially economically feasible projects were developed by 2000, hydropower could still provide nearly 72 percent of the projected electric energy demand in that year. However, environmental and social constraints to developing new projects are expected to result in hydropower's share of regional electric energy being reduced from nearly 76 percent in 1978, to 46 percent in 1990, and to 36.3 percent in 2000. The relationship of energy demand to hydropower resources in the Northwest Power Pool is tabulated in Table 7-10.

Table 7-10
ELECTRIC ENERGY DEMAND VS. HYDROPOWER RESOURCES, NORTHWEST POWER POOL AREA

	Present (1978)	Near Term (1990)	Long Term (2000)
		(Gigawatt-hours)	
Demand	165,300	297,700	435,700
Existing (1978) Resources	165,300	165,300	165,300
Deficit	-	132,400	270,400
Potential from Existing Projects	-	11,505	11,505
Deficit	-	120,895	258,895
Potential from Undeveloped Projects	-	-	21,319
Deficit	-	120,895	237,576
Contribution of Hydropower			
Gigawatt-hours	125,503	137,008	158,327
Percent	75.9	46.0	36.3

Rocky Mountain Power Area

The additional annual power demand for the Rocky Mountain Power Area is 24.8 million MWh by 1990 and 49.0 million MWh by 2000. As with the other power areas, hydropower can meet only a minor part of the project demand, less than 10 percent overall. Also, as with the other areas the significance of hydropower relative totaled electric energy requirements will lessen, with hydropower's share decreasing from 28.9 percent in 1978, to 16.7 percent in 1990, and 15.7 percent in 2000. The relationship of electric energy demand to potential hydropower resources for the Rocky Mountain Power Area is summarized in Table 7-11.

Table 7-11
ELECTRIC ENERGY DEMAND VS. HYDROPOWER RESOURCES, ROCKY MOUNTAIN POWER AREA

	Present (1978)	Near Term (1990)	Long Term (2000)
		(Gigawatt-hours)	
Demand	25,900	50,700	74,900
Existing (1978) Resources	25,900	25,900	25,900
Deficit	-	24,800	49,000
Potential from Existing Projects	-	987	987
Deficit	-	23,813	48,013
Potential from Undeveloped Projects	-	-	3,289
Deficit	-	23,813	44,724
Contribution of Hydropower			
Gigawatt-hours	7,491	8,478	11,767
Percent	28.9	16.7	15.7

The WSCC Region

Since the hydropower resources of all four power areas in the WSCC region are not sufficiently great to meet projected electric energy demands, it follows that the same statement is true for the region as a whole. Moreover, the region's existing and potential hydropower resources can only satisfy about one-fifth of the projected demand for 2000. In 1978, hydropower provided over two-fifths of the electric energy demand. In the short run (through 1990), the existing projects, which are presumably the most readily developable, can meet even less of the project demand than is true for hydropower as a whole in the region. Hydropower can, however, play a relatively larger role in the long run because the potential of undeveloped sites is greater than that of existing projects. The relationship of electric energy demand to hydropower resources for the WSCC region as a whole is shown in Table 7-12.

Table 7-12
ELECTRIC ENERGY DEMAND VS. HYDROPOWER RESOURCES, WSCC REGION

	Present (1978)	Near Term (1990)	Long Term (2000)
		(Gigawatt-hours)	
Demand	410,100	714,900	1,033,100
Existing (1978) Resources	410,100	410,100	410,100
Deficit	-	304,800	623,000
Potential from Existing Projects	-	16,416	16,416
Deficit	-	288,384	606,584
Potential from Undeveloped Projects	-	-	33,392
Deficit	-	288,384	573,192
Contribution of Hydropower			
Gigawatt-hours	169,906	186,322	219,724
Percent	41.4	26.1	21.3

1.

Table 7-13
POTENTIAL HYDROPOWER PROJECTS SUITABLE FOR DETAILED STUDY
WESTERN SYSTEMS COORDINATING COUNCIL
DESCRIPTION OF TABULATED DATA

COLUMN NO.	LINE NO.	FORM 2 ITEM NO.	COLUMN HEADING	DESCRIPTION
1	1	1	SITE ID NUMBER	UNIQUE 10-CHARACTER IDENTIFIER FOR EACH SITE. EXAMPLE: HICPOH0003 CHARACTERS: 1-2 VALUE: HI = STATE CODE (POSTAL ABBREVIATION) 3 C = TYPE AND STATUS CODE (REFER TO FORM 2 ITEM DESCRIPTION DOCUMENTATION FOR ITEM 84). CODES A THRU R INDICATE EXISTING PROJECTS, S THRU 3 INDICATE BREACHED PROJECTS AND 4 THRU 9 INDICATE UNDEVELOPED PROJECTS FOR VARIOUS TYPES OF OPERATION. 4-6 POH = U.S. ARMY CORPS OF ENGINEERS DISTRICT CODE (REFER TO FORM 2 ITEM DESCRIPTION DOCUMENTATION FOR ITEM 33) 7-10 0003 = UNIQUE SEQUENTIAL NUMBER WITHIN EACH DISTRICT
2	1	2	PROJECT NAME	IDENTIFICATION NAME OF EXISTING DAM OR POTENTIAL WATER MANAGEMENT PROJECT (NOTE: ONLY THE FIRST 29 CHARACTERS OF A POSSIBLE 40 CHARACTERS ARE PRINTED).
3	1	40	PRIMARY COUNTY	PRIMARY COUNTY NAME IN WHICH THE PROJECT IS LOCATED.
4	1	310	INCREMENTAL CAPACITY	AMOUNT OF INCREMENTAL POTENTIAL CAPACITY (IN KW) THAT IS ESTIMATED FOR THE PROJECT.
5	1	311	INCREMENTAL ENERGY	AMOUNT OF INCREMENTAL POTENTIAL AVERAGE ANNUAL ENERGY (IN MWH) THAT IS ESTIMATED FOR THE PROJECT.
6	1	(318/311)	INCREMENTAL COST	COST (IN $/MWH) OF PRODUCING THE INCREMENTAL POTENTIAL ENERGY FOR THE PROJECT.

1.

Table 7-13(continued)
DESCRIPTION OF TABULATED DATA(concluded)

EXPLANATION OF ENVIRONMENTAL AND SOCIAL IMPACT CODES: (COLUMNS 7 - 8)

ALPHABETICAL CODES Y, N, AND U ARE DEFINED AS FOLLOWS:

Y = YES
N = NO
U = UNKNOWN

NUMERICAL CODES 1 THROUGH 5 ARE DEFINED AS FOLLOWS:

1 = MAJOR ADVERSE
2 = MINOR ADVERSE
3 = INSIGNIFICANT
4 = MINOR FAVORABLE
5 = MAJOR FAVORABLE

COLUMN NO.	LINE NO.	FORM 2 ITEM NO.	COLUMN HEADING	DESCRIPTION
7	1	668	ENVRNMNTL IMPACT CODE	SEVEN CHARACTER ENVIRONMENTAL IMPACT CODE IS DEFINED AS FOLLOWS:
8	1	669	SOCIAL IMPACT CODE	NINE CHARACTER SOCIAL IMPACT CODE IS DEFINED AS FOLLOWS:

CHARACTER POSITION	DESCRIPTION
1ST	NATIONAL/STATE PARKS AND WILDERNESS
2ND	WILD AND SCENIC RIVER
3RD	RESIDENT FISH
4TH	ANADROMOUS FISH
5TH	WILDLIFE HABITAT
6TH	ENDANGERED SPECIES
7TH	WETLANDS

CHARACTER POSITION	DESCRIPTION
1ST	CULTURAL AND HISTORICAL RESOURCES
2ND	COMMUNITIES RELOCATED
3RD	TRANSPORTATION RELOCATED
4TH	FARMLAND
5TH	LOCAL GROUP COMMENT
6TH	ENVIRONMENTAL GROUP COMMENT
7TH	OTHER GROUP COMMENT
8TH	UTILITY INTEREST
9TH	STATE COMMENT

Table 7-13(continued)
PROJECT LISTING, ARIZONA-NEW MEXICO POWER AREA

SITE ID NUMBER	PROJECT NAME	PRIMARY COUNTY	INCREMENTAL CAPACITY (KW)	INCREMENTAL ENERGY (MWH)	INCREMENTAL COST ($/MWH)	ENVRNMNTL IMPACT CODE	SOCIAL IMPACT CODE
AZ6SPL0517	GLEASON FLAT	GILA	43500	280000	8.7006	YNNNYNN	NNNNNNNYN
AZ7SPL0514	KNOB	GILA	28500	136000	21.737	YNNNYNN	NNNNNNNYN
AZ6SPL0513	LIVINGSTON	GILA	11500	72000	16.577	YNNNYNN	NNNNNNNYN
AZ7SPL0516	MULE HOOF	GILA	43500	280000	13.286	YNNNYNN	NNNNNNNYN
AZ7SPL0515	WALNUT CANYON	GILA	25200	136000	20.147	YNNNYNN	NNNNNNNYN
AZESPL0502	ARIZONA FALLS	MARICOPA	700	3000	61.868	NNNNNNN	NNNNNNNYN
AZCSPL0019	BARTLETT RESERVOIR	MARICOPA	45000	50000	41.940	YNNNYNN	NNNNNNNYN
AZESPL0511	BEARDSLEY CANAL DROP	MARICOPA	1000	2709	75.638	NNNNNNN	NNNNNNNYN
AZESPL0512	CAP CANAL TURNOUT	MARICOPA	2500	6308	47.942	NNNNNNN	NNNNNNNYN
AZESPL0503	CHANDLER	MARICOPA	800	3800	52.584	NNNNNNN	NNNNNNNYN
AZESPL0500	SOUTH CONSOLIDATED	MARICOPA	1400	6200	32.890	NNNNNNN	NNNNNNNYN
AZCSPL0024	(LAKE PLEASANT) WADDELL	MARICOPA	1500	3265	57.781	YNNNYNN	NNNNNNNYN
AZ6SPL0510	HUALAPAI HYDRO PROJECT	MOJAVE	1366000	3560000	7.7258	YYNNYNN	NNNNNNNYN
AZCSPL0070	HORSESHOE RESERVOIR	YAVAPAI	32000	35000	58.289	YNNNYNN	NNNNNNNYN
AZCSPL0072	HEADGATE ROCK	YUMA	2374	16015	29.656	NNNNYNN	NNNNNNNNN
NMCSWA0058	EAGLE NEST LAKE	COLFAX	965	2704	53.561	3333333	333333UUUU
NMCSWA0083	ABIQUIU DAM	RIO ARRIBA	6107	19565	28.459	3333333	333333UUUU
NMCSWA0085	EL VADO	RIO ARRIBA	6168	19592	28.546	3333333	333333UUUU
NMCSWA0084	HERON RESERVOIR	RIO ARRIBA	132	335	139.24	3333333	333333UUUU
NMCSPK0782	NAVAJO RESERVOIR	SAN JUAN	325387	365677	16. 58	33UU3U3	333U115UU
NMCSWA0092	COCHITI	SANDOVAL	22905	69748	22.913	3333333	333333UUUU
NMCSWA0105	CABALLO RESERVOIR	SIERRA	13630	45300	25.762	3333333	333333UUUU
NMISWA0104	ELEPHANT BUTTE RESERVOIR	SIERRA	3444	1879	179.46	3333333	333333UUUU
NM6SWA0111	AMALIA	TAOS	86	708	884.63	3333333	333333UUUU

Table 7-13(continued)
PROJECT LISTING, CALIFORNIA-NEVADA POWER AREA

SITE ID NUMBER	PROJECT NAME	PRIMARY COUNTY	INCREMENTAL CAPACITY (KW)	INCREMENTAL ENERGY (MWH)	INCREMENTAL COST ($/MWH)	ENVRNMNTL IMPACT CODE	SOCIAL IMPACT CODE
CACSPK0028	JACKSON CR	AMADOR	577	2312	47.708	33UU3U3	33333UUUUU
CAISPK0019	PARDEE RESERVOIR	AMADOR	9900	34528	25.303	3333333	33331UUU5U
CAJSPK0029	WEST POINT POWERHOUSE	AMADOR	61082	42059	67.917	3333333	33331UUU5U
CAJSPK0054	DE SABLA FOREBAY	BUTTE	24850	79260	17. 6	3333333	33331UUU5U
CABSPK0040	FEATHER RIVER HATCHERY	BUTTE	4767	28220	26.131	3323333	33331UUUUU
CACSPK0048	PONDEROSA DIVERSION	BUTTE	1126	5111	33.400	33UU3U3	33331UUUU4
CACSPK0046	SLY CREEK	BUTTE	13200	45000	22.264	33UU3U3	33331UU5UU
CAASPK0042	THERMALITO DIVERSION DAM	BUTTE	4300	23000	22.741	33UU3U3	33331UUUU5
CACSPK0044	THERMALITO AFTERBAY	BUTTE	12954	53788	20.899	33UU3U3	33331UUUU5
CAHSPK0085	ANGELS POWERHOUSE	CALAVERAS	130261	139412	28.938	3333333	33331UUUUU
CACSPK0077	GOODWIN	CALAVERAS	970	4655	36. 1	33UU3U3	33331UUUU5
CAJSPK0083	HUNTERS RESERVOIR	CALAVERAS	176312	194294	35.917	3333333	33331UUU2U
CACSPK0082	MURPHYS FOREBAY	CALAVERAS	921	5218	35.789	33UU3U3	33331UUU2U
CACSPK0086	NEW HOGAN LAKE	CALAVERAS	423	1873	48. 94	33UU3U3	33331UU5U4
CACSPK0091	EAST PARK RESERVOIR	COLUSA	1000	2900	56.356	33UU3U3	33331UU5U4
CA6SPK0100	COLOMA RESERVOIR	EL DORADO	57923	105383	51.902	3342323	3331U4UUUU
CA5SPK0101	EL DORADO	EL DORADO	60017	152514	29.912	3342323	33331UU5UU
CACSPK0129	GERLE	EL DORADO	4059	6912	48.238	33UU3U3	33331UUUUU
CACSPK0125	ICE HOUSE RESERVOIR	EL DORADO	968	3153	48.651	33UU3U3	33331UUUU4
CACSPK0136	JENKINSON LAKE (SLYPARK DAM)	EL DORADO	573	2100	51.170	33UU3U3	33331UU5U5
CA5SPK9040	PARK CREEK PH	EL DORADO	6900	16418	131.52	UUUUUUU	UUUUUU5UU
CA7SPK9039	PLUM CREEK PH (ALDER DAM)	EL DORADO	42700	105204	98.535	UUUUUUU	UUUUUU5UU
CA7SPK0112	SALMON FALLS (ALTERNATE PLAN	EL DORADO	31648	162248	29.333	3342323	3223UU4UU
CADSPK0124	STUMPY MEADOWS RESERVOIR	EL DORADO	4316	17230	23.813	33UU3U3	33331UUUU5
CA5SPK0117	VAN WINKLE	EL DORADO	11541	42672	37.860	3332323	33331UUUUU
CA5SPK9046	DINKEY CR PH2	FRESNO	60000	110965	27.955	UUUUUUU	UUUUU5UU
CA7SPK0139	DINKEY MEADOW RES (PH 1)	FRESNO	60000	229070	57.625	33UUUUU	UUUU4U5UU
CACSPK0160	LAKE THOMAS A EDISON (VERMIL	FRESNO	1112	5062	33. 58	33UU3U3	33331UUUUU
CACSPK0165	MILLERTON LAKE (FRIANT DAM)	FRESNO	2700	7842	39. 84	33UU3U3	33331UU5UU
CACSPK9026	MILLERTON (FRIANT-KERN CANAL	FRESNO	15000	69870	18.838	33UU3U3	33331UU5UU
CACSPK9027	MILLERTON (MADERA CANAL)	FRESNO	5000	15653	35.441	33UU3U3	33331UU5UU
CACSPK0164	PINE FLAT LAKE	FRESNO	292878	478687	13.496	33UU3U3	33334UUUU
CACSPK0170	STONY GORGE RESERVOIR	GLENN	3654	14102	30. 44	33UU3U3	33331UU4U4
CACSPL0073	IMPERIAL DIVERSION	IMPERIAL	7288	46379	15.898	NNNNNNN	NNNNNNNNN
CACSPK0180	ISABELLA LAKE	KERN	21891	60473	21.846	33UU3U3	33331UU5U5
CACSPK0197	CLEAR LAKE IMP	LAKE	2000	7500	33.464	33UU3U3	33331UUUUU
CACSPK0186	INDIAN VALLEY RESERVOIR	LAKE	3200	7200	49.826	33UU3U3	33331UUUU5
CACSPK0209	COYOTE FLAT RESERVOIR	LASSEN	1225	5293	35. 52	33UU3U3	33331UUUUU
CACSPK0212	HEATH RESERVOIR	LASSEN	805	3607	42.385	33UU3U3	33331UUUUU
CACSPL0086	COGSWELL	LOS ANGELES	511	2222	44.596	YNNNNNN	NNNNNNNNN

Table 7-13 (continued)
CALIFORNIA-NEVADA(continued)

SITE ID NUMBER	PROJECT NAME	PRIMARY COUNTY	INCREMENTAL CAPACITY (KW)	INCREMENTAL ENERGY (MWH)	INCREMENTAL COST ($/MWH)	ENVRNMNTL IMPACT CODE	SOCIAL IMPACT CODE
CACSPL0092	MORRIS	LOS ANGELES	1109	2435	66.674	YNNNNNN	NNNNNNNNN
CACSPL0080	PYRAMID	LOS ANGELES	56063	17604	135.30	YNNNNNN	NNNNNNNNN
CACSPL0091	SAN GABRIEL	LOS ANGELES	1814	3570	62.796	YNNNNNN	NNNNNNNNN
CA7SPK0218	FORKS	MADERA	53443	286242	20.908	3242323	333UUUUUU
CACSPK0236	HENSLEY LAKE (HIDDEN DAM)	MADERA	984	4228	36.985	33UU3U3	3333UU5U4
CA7SPK0220	JACKASS	MADERA	158482	234419	39.860	3242323	32UUUUUU4
CAJSPK0231	KERCKHUFF DIVERSION	MADERA	34080	280000	10.641	3333333	3333UU5U
CA7SPK0223	MILLER BRIDGE	MADERA	58541	163329	40.275	3342323	U33UUU4U4
CACSPN0024	RUSSIAN RIVER RESERVOIR COYO	MENDOCINO	2629	16466	33.822	4343U3U3	UUUU44455
CACSPL0096	BRIDGEPORT	MONO	1220	3566	47.275	NNNNNNN	NNNNNNNNN
CACSPK5001	MONTICELLO DAM (LAKE BERRYFS	NAPA	10000	42698	20.959	33UU3U3	3333UU5UU
CACSPK0312	BOCA RESERVOIR	NEVADA	1076	5209	33.497	33UU3U3	3333UU5U5
CACSPK9032	BOWMAN RESERVOIR OUTLET TO C	NEVADA	3500	16030	24.457	33UU3U3	3333UU5UU
CACSPK0290	COMBIE	NEVADA	525	2900	43.687	33UU3U3	3333UU5U5
CACSPK0287	DEER CREEK DIVERSION	NEVADA	993	4450	36.596	33UU3U3	3333UU4UU
CACSPK0305	HOUR HOUSE	NEVADA	854	3947	42.448	33UU3U3	3333UUU2U
CACSPK0293	JACKSON MEADOWS	NEVADA	3500	9340	41.373	33UU3U3	3333UUUU4
CACSPK0299	LAKE FORDYCE	NEVADA	1119	4321	39.367	33UU3U3	3333UUU2U
CACSPK0313	PROSSER CREEK RESERVOIR	NEVADA	868	3032	49.424	33UU3U3	3333UU5U5
CACSPK0292	SCOTTS FLAT	NEVADA	1000	24349	6.4041	33UU3U3	3333UU5U4
CACSPK0325	CAMPFAR WEST	PLACER	6800	26900	25.505	33UU3U3	3333UU5UU
CACSPK0332	LOWER HELL HOLE	PLACER	500	2000	47.794	33UU3U3	3333UU5U4
CACSPK0338	NORTH FORK LAKE	PLACER	23270	63498	21.210	33UU3U3	3333UU5U4
CAUSPK0362	LOWER BUCKS LAKE (BUCKS DIVE	PLUMAS	2607	6821	45.458	33UU3U3	3333UUU4U
CACSPK0373	CAMANCHE RESERVOIR	SAN JOAQUIN	9000	35000	25.678	33UU3U3	3333UU5UU
CABSPK0405	ANDERSON COTTONWOOD DIVERSIO	SHASTA	14500	79000	37.276	33UU3U3	3333UU5UU
CAGSPK0421	COW CREEK POWERHOUSE	SHASTA	15782	21393	44.855	3333333	3333UUUUU
CAGSPK0422	KILARC POWERHOUSE	SHASTA	39475	133125	14.869	3333333	3333UUUUU
CACSPK0416	LAKE MCCLOUD	SHASTA	23745	145952	8.5814	33UU3U3	3333UUUUU
CAGSPK0423	VOLTA POWERHOUSE	SHASTA	1000	5000	27.108	3333333	3333UUU5U
CACSPK0427	WHISKEYTOWN RESERVOIR	SHASTA	3000	17331	19.103	3333333	3333UU5UU
CA5SPK0429	GOODYEARS BAR	SIERRA	447607	662690	19.960	3342323	333UUUUUU
CA6SPK0430	INDIAN VALLEY	SIERRA	160011	235119	53.584	3342323	321UUUUUU
CACSPK0434	STAMPEDE RESERVOIR	SIERRA	3000	16000	21.392	33UU3U3	3333UU5U4
CACSPN0044	WARM SPRINGS DAM	SONOMA	21693	24111	49.861	5344423.	444432245.
CA6SPK0437	KNIGHTS FERRY	STANISLAUS	94032	152113	44.488	3342323	333UUUUUU
CACSPK1378	MODESTO RESERVOIR	STANISLAUS	1000	3400	55.684	33UU3U3	3333UUUUU
CACSPK0438	WOODWARD RESERVOIR	STANISLAUS	2000	7000	31.816	33UU3U3	3333UU5UU
CACSPK0466	BLACK BUTTE LAKE	TEHAMA	9200	31000	29.140	33UU3U3	3333UU5U5
CA5SPK0444	DEER CRK MDWS (PH NO.1)	TEHAMA	137420	178313	61.902	UUUUUUU	322UUUUUU

Table 7-13(continued)
CALIFORNIA-NEVADA(concluded)

SITE ID NUMBER	PROJECT NAME	PRIMARY COUNTY	INCREMENTAL CAPACITY (KW)	INCREMENTAL ENERGY (MWH)	INCREMENTAL COST ($/MWH)	ENVRNMNTL IMPACT CODE	SOCIAL IMPACT CODE
CACSPK0467	RED BLUFF DIVERSION	TEHAMA	10000	55000	24.949	3300303	3333300505
CAISPN0045	CLAIR ENGLE LAKE TRINITY	TRINITY	213661	88426	59.724	5545544.	3202222324.
CACSPK0485	LAKE KAWEAH-TERMINUS DAM	TULARE	57933	73653	36.593	3300303	3333000004
CACSPK0484	SUCCESS LAKE	TULARE	4000	11190	40.813	3300303	3333005000
CACSPK0508	BEARDSLEY AFTERBAY	TUOLUMNE	3538	14457	21.304	3300303	3333000000
CA7SPK0487	BIG HUMBUG CREEK	TUOLUMNE	199334	320171	26.626	2242323	3220002000
CAJSPK0505	CHERRY LAKE	TUOLUMNE	630299	497179	19.589	2333333	3333002000
CA7SPK9035	CLAVEY RES (HUNTER POINT DAM	TUOLUMNE	300000	612000	26.989	2000000	0000005000
CACSPK0500	EARLY IN TAKE	TUOLUMNE	292	1931	48. 65	2300303	3333002004
CA7SPK0492	INGALLS	TUOLUMNE	156342	237620	24.594	2342323	3220002000
CACSPK0501	LAKE ELEANOR	TUOLUMNE	3202	5624	48.921	2300303	3333002000
CACSPK9041	LYONS	TUOLUMNE	300	2165	33.689	3300303	3333000005
CAJSPK0510	LYONS (PHOENIX PH)	TUOLUMNE	1700	13000	41.691	3333333	3333000500
CACSPK0511	PINECREST LAKE (STRAWBERRY L	TUOLUMNE	767	2968	44.477	3300303	3333000400
CACSPK0504	PRIEST RESERVOIR	TUOLUMNE	569	4981	21.812	3300303	3333000000
CACSPK0512	RELIEF RESERVOIR	TUOLUMNE	762	3026	43.387	3300303	3333000200
CA7SPK0496	SAND BAR	TUOLUMNE	12000	180056	13.749	3342323	3220005000
CACSPK0514	SPICERS MEADOWS RESERVOIR	TUOLUMNE	266	1705	48.627	3300303	3333000000
CACSPL0133	SANTA FELICIA	VENTURA	1376	3658	52.507	YNNNNNN	NNNNNNNNN
CACSPK0527	VIRGINIA RANCH	YUBA	1900	5712	43.659	3300303	3333005000
CA6SPK0526	WAMBO	YUBA	89877	132389	53.123	3342323	3220000000
NV1SPK0737	LAHONTAN RESERVOIR	CHURCHILL	1840	6590	36.650	3333333	3333005000
NVCSPK0769	RYE PATCH RESERVOIR	PERSHING	1200	5430	38.201	3300303	3333005000

Table 7-13(continued)
PROJECT LISTING, NORTHWEST POWER POOL AREA

SITE ID NUMBER	PROJECT NAME	PRIMARY COUNTY	INCREMENTAL CAPACITY (KW)	INCREMENTAL ENERGY (MWH)	INCREMENTAL COST ($/MWH)	ENVRNMNTL IMPACT CODE	SOCIAL IMPACT CODE
CA4SPN0058	WARM SPRINGS DAM	SISKIYOU	90786	204573	32.978	U344424.	4UU433445.
CAGSPN0053	COPCO NO.1	SISKUYOU	260132	362414	16.179	5554505.	533543545.
IDMNPW0006	BARBER DAM	ADA	19804	40310	36.728	NNNNNNN	NNNNNNNYN
IDCNPW0007	BLACKS LAKE	ADA	1183	2097	46.978	NNNNNNN	NNNNNNNUN
IDGNPW0008	BOISE DIVERSION	ADA	11278	12556	51.278	NNNNNYN	NNNNNNNYN
IDCNPW0009	LUCKY PEAK	ADA	75000	278500	9.1830	NNNNNNN	NNNNNNNYN
IDENPW0605	NEW YORK CANAL	ADA	1250	5000	33.149	NNNNNNN	NNNNNNNYN
ID5NPW0014	BEAR CREEK FALLS	ADAMS	3079	17207	39.511	NNNNYUN	UNYUNYNUN
IDCNPW0019	C BEN RUSS	ADAMS	2054	3750	33.703	NNNNNNN	NNNNNNNUN
ID5NPW0012	CUPRUM	ADAMS	1431	7090	55.402	NNNNYUN	UNNNNYNUN
ID5NPW0011	DEEP CREEK	ADAMS	2713	10177	50.175	NNNNYUN	NNNNNYNUN
ID5NPW0013	EMERY CREEK	ADAMS	2031	12570	54.193	NUNNYUN	UNNNNYNUN
ID5NPW0016	WILDHORSE	ADAMS	3266	20283	36.201	NNNNYUN	UNNNNYNUN
ID6NPS0001	ST. MARIES NO. 1	BENEWAH	23052	125318	41.507	NNYNYUU	YNYUUUUUU
ID5NPW0033	SPRING CREEK	BINGHAM	4744	24924	37.473	NNNNYUN	UNNNNNNUN
IDCNPW0047	LITTLE WOOD	BLAINE	2883	5839	39.729	NNNNNNN	NNNNNNNUN
IDCNPW0046	MAGIC	BLAINE	16525	30051	34.819	NNNNNNN	NNNNNNNUN
ID7NPS0004	PRIEST NO.6	BONNER	26210	149178	45.430	NYYNYUY	YYNUUUUUU
ID6NPW0069	BURNS CREEK	BONNEVILLE	320628	583016	24.285	NUYNYUN	UNYYNYNYN
ID6NPW0071	CLARK RANCH	BONNEVILLE	126417	283606	42.311	NUYNYUN	UNNUNYNUN
ID4NPW0068	LOWER RUSH BEDS	BONNEVILLE	117638	264337	45.772	NUYNYUN	UNNNNYNUN
ID1NPW0080	PALISADES	BONNEVILLE	90000	158000	17.370	NNNNYYN	NNNNNNNYN
IDCNPW0081	RIRIE	BONNEVILLE	5184	10104	45.825	NNNNNNN	NNNNNNNUN
ID6NPW0072	SWAN VALLEY	BONNEVILLE	187230	420210	32.308	NUYNYYN	UNYYNYNUN
ID5NPS0009	EILEEN	BOUNDARY	21456	74266	46.760	NYYNYUU	YNNUUUUUU
ID5NPS0024	KATKA	BOUNDARY	164973	690359	14.110	NNYNYUU	YYYUUUUUU
ID7NPS0011	MEADOW CREEK	BOUNDARY	27623	167116	40.102	NYYYYUY	YYYUUUUUU
IDHNPS0012	MOYIE FALLS DAM	BOUNDARY	1500	6000	33. 91	UNUUUUU	UUUUUUUUU
ID5NPW0082	BARTLETT POINT	BUTTE	21578	94987	19.472	NNNNYUN	UNYYNNNUN
IDENPW0093	LOWER DEER FLAT	CANYON	7866	32969	13.333	NNNNYYN	NNNNNNNUN
IDENPW0091	UPPER DEER FLAT	CANYON	8807	45942	15.115	NNNNNYN	NNNNNNNUN
IDCNPW0301	BLACKFOOT DAM	CARIBOU	2247	4451	39.795	NNNNYYN	NNNNNNNYN
IDCNPW0098	OAKLEY	CASSIA	1936	4075	37.822	NNNNNNN	NNNNNNNUN
ID5NPW0108	BOEHLS BUTTE	CLEARWATER	12234	57458	36. 31	NNNNYUN	UNNNNNNUN
ID5NPW0109	GATEWAY	CLEARWATER	7603	35345	51.448	NNNNYUN	UNNNNNNUN
ID5NPW0111	OROGRANDE	CLEARWATER	3520	17947	57.579	NNNNYUN	UNNNNNNUN
IDCNPW0139	MACKAY	CUSTER	1708	8368	19.335	NNNNNNN	NNNNNNNUN
IDINPW0166	ANDERSON RANCH	ELMORE	43000	27100	65.700	NUYNYUN	UNNNNNNUN
IDCNPW0167	ARROWROCK	ELMORE	50000	175200	10.458	NNNNNNN	NNNNNNNYN

Table 7-13(continued)
NORTHWEST POWER POOL(continued)

SITE ID NUMBER	PROJECT NAME	PRIMARY COUNTY	INCREMENTAL CAPACITY (KW)	INCREMENTAL ENERGY (MWH)	INCREMENTAL COST ($/MWH)	ENVRNMNTL IMPACT CODE	SOCIAL IMPACT CODE
IDYNPW0147	ATLANTA	ELMORE	2066	4423	41.116	NNNNNNN	NNNNNNNUN
ID4NPW0140	INDIAN COVE	ELMORE	20103	150955	35.695	NNYNYUN	UNNUNNNUN
ID4NPW0152	PASTURE	ELMORE	94893	435230	23.464	NUYNYUN	UNNUNNNUN
IDCSPK0729	STRUNGARM RESERVOIR NO 1 TRE	FRANKLIN	6093	15802	33.916	33UU3U3	333UUUUUU
IDCSPK0726	TWIN LAKES RESERVOIR-SOUTHWE	FRANKLIN	11559	22203	33.952	33UU3U3	333UUUUUU
IDCSPK0725	WINDER RESERVOIR	FRANKLIN	20981	40358	22.180	33UU3U3	333UUUUUU
ID5NPW0176	ANDERSON	FREMONT	9000	57194	39.843	NUNNYUN	UNYUNNNUN
IDCNPW0182	ISLAND PARK	FREMONT	8187	15886	37.467	NNNNNYN	NNNNNNNYN
ID5NPW0171	LOOKOUT BUTTE	FREMONT	16398	110342	26.448	NYNNYUN	UNNUNYNUN
ID5NPW0172	MESA FALLS	FREMONT	23088	146820	16.617	NUNNYYN	UNNNNYNUN
ID5NPW0169	SHEEP FALLS	FREMONT	6267	41747	26.363	NUNNYYN	UNNNNYNUN
IDGNPW0186	BLACK CANYON DIVERSION	GEM	16803	29178	39.932	NNNNNNN	NNNNNNNYN
ID4NPW0183	MONTOUR VALLEY	GEM	56020	103067	53.644	NNYNYUN	UNYYNNNYN
ID6NPW0190	CLEAR LAKES	GOODING	551488	1787925	10.787	NNYNYUN	UNYYUYUUN
ID4NPW0002	CLEAR SPRINGS	GOODING	69182	162707	38.194	NNYNYUN	UNYUNNNYN
ID4NPW0610	KANAKA RAPIDS	GOODING	21000	102137	30.966	NNYNYUN	UNNNUYUYN
IDANPW0609	WILEY	GOODING	106541	250579	29.111	NNYNYUN	UNNNUYUYN
ID5NPW0240	CAPTAIN JOHN	IDAHO	7155	39544	45.254	NNNYYUN	UNYYNNNUN
ID5NPW0219	ELDORADO	IDAHO	9563	50756	39. 42	NUNYNUN	UYYUNNNUN
ID5NPW0228	FREEZEOUT MOUNTAIN	IDAHO	2786	15060	43.610	NUNYYUN	UUYUNNNUN
ID5NPW0220	JOHNS CREEK	IDAHO	14016	78069	28.993	NUNYYUN	UYYYNNNUN
ID5NPW0242	LOCKWOOD	IDAHO	9008	43093	41.177	NUNYYUN	UYYYNNNUN
ID5NPW0233	LOWER MEADOW CREEK	IDAHO	7745	39152	40.326	NNNYYUN	UNNNNNNUN
ID5NPW0221	MARBLE POINT	IDAHO	2186	9486	62.361	NUNYYUN	UNNNNNNUN
ID5NPW0210	MEADOW CREEK	IDAHO	2323	10806	53.372	NNNYYUN	UUYUNNNUN
ID5NPW0208	NEWSUME CREEK	IDAHO	75795	163255	21.863	NNNYYUN	UYYYNNNUN
ID5NPW0244	RUGGED CREEK	IDAHO	6421	27245	33.704	NYNYYUN	UNNNNNNUN
ID5NPW0241	SHEEP CREEK	IDAHO	8558	37092	48.736	NUNYYUN	UUYUNNNUN
ID5NPW0209	SILVER CREEK	IDAHO	12535	52722	26.809	NNNYYUN	UUYUNNNUN
ID5NPW0223	TENMILE CREEK	IDAHO	4240	22052	55.658	NUNYYUN	UYYYNNNUN
ID5NPW0222	TWENTYMILE CREEK	IDAHO	6430	33042	48. 47	NUNYYUN	UUYUNNNUN
ID5NPW0234	UPPER MEADOW CREEK	IDAHO	3408	17816	58.925	NNNNYUN	UNNNNNNUN
ID5NPW0229	WIND LAKES	IDAHO	5466	27237	31.759	YYNYYUN	UNNNUUUUN
IDENPW0606	IDAHO DIVERSION	JEFFERSON	4030	30600	20.344	NNNNNNN	NNNNNNNYN
IDCNPW0253	MILNER LAKE	JEROME	24153	66826	16.660	NNNNNNN	NNNNNNNYN
ID1NPS0013	POST FALLS	KOOTENAI	3500	13640	18.807	UNUUUUU	UUUUUUUYY
ID5NPW0281	KENNEY	LEMHI	4708	31183	57.389	NUNYYUN	UUYYNYNUN
ID5NPW0283	LEMHI	LEMHI	4770	27268	58.496	NUNYYUN	UUYYNYNUN
IDENPW0601	B W BP 49	LINCOLN	1700	6200	24.697	NNNNNNN	NNNNNNNYN
IDENPW0600	B.W.BP 46	LINCOLN	1570	5800	25.794	NNNNNNN	NNNNNNNYN

Table 7-13(continued)
NORTHWEST POWER POOL(continued)

SITE ID NUMBER	PROJECT NAME	PRIMARY COUNTY	INCREMENTAL CAPACITY (KW)	INCREMENTAL ENERGY (MWH)	INCREMENTAL COST ($/MWH)	ENVRNMNTL IMPACT CODE	SOCIAL IMPACT CODE
IDENPW0604	MILNER-GOODING BIG DROP	LINCOLN	4690	17700	14. 21	NNNNNNN	NNNNNNNYN
IDINPW0290	MINIDOKA	MINIDOKA	21600	60000	21.315	NNNNNNN	NNNNNNNYN
IDCSPK0730	DEEP CREEK RESERVOIR	ONEIDA	468	2187	47.826	33U03U3	333UUUUUU
ID5NPW0308	RED CANYON	OWYHEE	3436	16546	63.189	NUNNYUN	UUUUNYNUN
ID5NPW0321	BUZZARDS ROOST	SHOSHONE	4637	22491	39.558	NNNNYUN	UNNNNNNYN
ID5NPW0323	JUDKINS	TETON	2769	13369	57.303	NNNNYUN	UUUUUUUUN
ID6NPW0329	BICKEL	TWIN FALLS	463566	606865	20.663	NNYNYUN	UUUUUYUUN
IDENPW0602	MILNER BYPASS A	TWIN FALLS	52200	338500	3.7992	NNNNNNN	NNNNNNNYN
IDENPW0603	MILNER BYPASS B	TWIN FALLS	30250	190100	6.1463	NNNNNNN	NNNNNNNYN
IDENPW0337	MURTAUGH	TWIN FALLS	19432	56361	18.722	NNNNNNN	NNNNNNNYN
IDCNPW0334	SALMON FALLS	TWIN FALLS	4702	8231	40.607	NNNNNNN	NNNNNNNYN
IDENPW0332	TWIN FALLS LOW LINE CANAL PO	TWIN FALLS	26391	100665	16.672	NNNNNNN	NNNNNNNYN
ID6NPW0343	BUGUS CREEK	VALLEY	60740	118730	45.479	NNYNYUN	UYYUNNYYN
ID5NPW0353	BUTTERFLY-SCOTT	VALLEY	6824	29167	39.562	NUNYYUN	UUUUNNNUN
IDINPW0375	CASCADE	VALLEY	12500	47400	22. 36	NNNNNYN	NNNNNNYYN
IDCNPW0029	DEADWOOD	VALLEY	6443	12402	39.930	NNNNNNN	NNNNNNNYN
IDCNPW0371	MORSEMIEF BASIN	VALLEY	843	1417	54.195		
ID5NPW0354	WHANGDOODLE	VALLEY	2678	11980	62.509	NUNYYUN	UUUUUUUUN
ID6NPW0377	GALLOWAY	WASHINGTON	177940	227251	47.777	NNYNYUN	UYYYNNNUN
IDCNPW0383	PADDOCK VALLEY	WASHINGTON	1168	2178	43.215	NNNNNNN	NNNNNNNUN
MTCMRU0119	CLARK CANYON RESERVOIR	BEAVERHEAD	3000	15150	21.528	332N2N3	N3333333
MTAMRU0127	BROADWATER DAM	BROADWATER	5581	40201	15.531	332N2N3	N3333333
MTGMRU0667	BLACK EAGLE	CASCADE	31027	52028	41.605	332N2N3	N3333333
MTGMRU0659	COCHRANE DAM	CASCADE	11510	16656	64.184	332N2N3	N3333333
MTGMRU0132	MORONY	CASCADE	52003	60392	77.420	332N2N3	N3333333
MTGMRU0160	RAINBOW	CASCADE	108030	231135	19.177	332N2N3	N3333333
MTGMRU0130	RYAN	CASCADE	44999	41172	95.998	332N2N3	N3333333
MT6MRU0135	FORT BENTON	CHOUTEAU	362760	664580	28.727	3323333	N33333333
MTHNPS0054	BIG FORK	FLATHEAD	11502	35263	32.653	UNUUUUU	UUUUUUUUU
MTCMRU0143	HEBGEN RESERVOIR	GALLATIN	7039	27426	15.848	332N2N3	N3333333
MTCMRU0148	FRESNO RESERVOIR	HILL	2520	6224	36.676	332N2N3	N3333333
MTJNPS0078	KERR	LAKE	31100	53000	24.660	UNUUUUU	UUUUUUYYU
MTIMRU0158	CANYON FERRY LAKE	LEWIS AND CLARK	90000	50000	71.316	332N2N3	N3333333
MTIMRU0157	HAUSER LAKE	LEWIS AND CLARK	18738	57351	31.178	332N2N3	N3333333
MTIMRU0156	HOLTER	LEWIS AND CLARK	104979	87028	49.874	332N2N3	N3333333
MTCMRU0161	TIBER RESERVOIR	LIBERTY	12000	62200	14. 48	332N2N3	N3333333
MT4NPS0087	KOOTENAI FALLS	LINCOLN	220437	926872	12.299	NNYNYUU	YYYUYYYUY
MTHNPS0095	LAKE CREEK DAM	LINCOLN	3000	7800	46.602	UNUUUUU	UUUUUUUUU
MT4NPS0089	LIBBY REREG	LINCOLN	84000	280320	33. 77	NNYNYUU	YYYUYYYUY
MTCMRU0163	RUBY RESERVOIR	MADISON	1292	7154	25.578	332N2N3	N3333333

Table 7-13(continued)
NORTHWEST POWER POOL(continued)

SITE ID NUMBER	PROJECT NAME	PRIMARY COUNTY	INCREMENTAL CAPACITY (KW)	INCREMENTAL ENERGY (MWH)	INCREMENTAL COST ($/MWH)	ENVRNMNTL IMPACT CODE	SOCIAL IMPACT CODE
MT4NPS0102	COLD CREEK	MINERAL	49902	218659	34. 25	NNYNYUU	YYYUYYYUN
MT4NPS0110	PLATEAU	MINERAL	27200	119800	35.370	NNYNYUU	YYYUYYYUN
MT4NPS0099	SEVEN MILE RAPIDS	MINERAL	47425	207873	34.189	NNYNYUU	YYYUYYYUN
MT4NPS0104	SUPERIOR (ALT)	MINERAL	46268	202713	37. 22	NNYNYUU	YYUUYYYUN
MT4NPS0107	WHISKEY GULCH	MINERAL	84520	370416	18.733	NNYNYUU	YNNUYYYUN
MTCMRD0182	FRANCIS LAKE	PONDERA	6847	16414	29.664	332N2N3	N3333333
MTCMRD0181	SWIFT RESERVOIR	PONDERA	4302	10054	40. 46	332N2N3	N3333333
MTCNPS0137	PAINTED ROCKS DAM AND RES.	RAVALLI	3900	15000	25.126	UNUUUUU	UUUUUUUUU
MT4NPS0101	SIEGEL	SANDERS	38585	169059	31.994	NNYNYUU	YYYUYYYUN
MTHNPS0162	THOMPSON FALLS	SANDERS	60000	115880	21.932	UNUUUUU	UUUUUUUUU
MTCMRD0190	GIBSON RESERVOIR	TETON	11000	38800	21.549	332N2N3	N3333333
MTAMRD0819	SUN RIVER DIVERSION	TETON	1600	10100	19.498	332N2N3	N3333333
ORCNPW0408	THIEF VALLEY DAM	BAKER	1397	3353	29.690	NNNNNNN	NNNNNNNYY
ORCNPP0057	BULL RUN DAM NUMBER 2	CLACKAMAS	12000	46000	21.865	NNUUUUN	NNNNNNYYY
ORINPP0062	NORTH FORK DAM	CLACKAMAS	16000	88800	15.264	UUUUUUU	UUUUUUUUY
ORCNPP0061	TIMOTHY LAKE DAM	CLACKAMAS	2421	12743	22.130	NNYUYUN	UNNNNNYNY
OR7NPP0093	BREWSTER VALLEY (DIVERSION)	COOS	17500	76700	30.706	UNYYYUU	UYYYNNYNY
OR5NPP0080	PANTHER CREEK	COOS	10800	47500	27.516	UNYYYUU	UYYUNNYNY
ORCNPP0121	ARTHUR R BOWMAN(PRINEVILLE R	CROOK	22211	63675	19.861	NNYUUUN	UNNNNNYYY
ORCNPP0119	OCHOCO DAM	CROOK	1190	5200	32.432	NNYYUUN	UNNNNNYNY
ORGNPP0154	CLINE FALLS	DESCHUTES	19700	86300	19.411	NYYUUUN	UNNNNYYNY
ORCNPP0161	CRANE PRAIRIE DAM	DESCHUTES	5300	23290	26.750	NNUUUUN	NNNNNNYNY
ORCNPP0160	WICKIUP DAM	DESCHUTES	3948	18370	23.704	NNYUYUN	UNNNNNYNY
OR6NPP0177	DAYS CREEK (CORPS OF ENGINEE	DOUGLAS	26000	124040	85.834	UNYYYYU	YYYYYYYYY
OR5NPP2678	FISH LAKE	DOUGLAS	3800	16800	38.352	UNYYYUU	UUUUNNYNY
OR6NPP0189	TILLER	DOUGLAS	44600	195400	37.360	UNYYYUU	UYYYNNNNY
OR5NPP2709	UDP ORU0907	HOOD RIVER	6100	26600	34.501	UNYYYUU	UUUUNNNNY
ORCNPP0256	APPLEGATE CORPS OF ENGINEERS	JACKSON	9000	41610	19.993	NNUYUUN	YNNNNNYNY
ORHNPP0252	PROSPECT NO 2	JACKSON	16000	60000	15.279	NNYYYUN	UNNNYNYNY
ORHNPP0253	PROSPECT NO 3	JACKSON	4000	26300	20.553	NNYYYUN	UNNNNNYNY
ORENPP2814	DESCHUTES MAIN CANAL MILE 46	JEFFERSON	1800	11700	24.266	NNUUUYN	YNNNYNYYY
ORENPP2813	DESCHUTES MAIN CANAL MILE 45	JEFFERSON	2200	14000	22.842	NNUUUYN	YNNNYNYYY
ORCNPP0304	PELTON REGULATING DAM	JEFFERSON	15000	81135	10.198	NNUYUUN	UNNNNNYYY
ORASPN0057	KENO	KLAMATH	126248	284482	12.777	5344404	434544455
ORCNPP0411	BLUE RIVER	LANE	8700	66000	9.6183	NNUYUUN	UNNNYNNYY
ORINPP0413	COUGAR	LANE	35000	24500	71.327	NNUYUUN	UNNNYYYYY
ORINPP0407	DEXTER REGULATOR DAM	LANE	15000	17520	67.520	UUYYUUU	UUUUYYUUU
ORCNPP0409	DORENA	LANE	5200	38000	11.671	NNYUYNN	YNNNYNYYY
ORCNPP0414	FERN RIDGE	LANE	4335	10059	26.878	NNYUYYN	YNNNYYYYY
ORINPP0412	HILLS CREEK	LANE	15000	15000	85.535	NNYYUUN	UNNNYYNNY

Table 7-13(continued)
NORTHWEST POWER POOL(continued)

SITE ID NUMBER	PROJECT NAME	PRIMARY COUNTY	INCREMENTAL CAPACITY (KW)	INCREMENTAL ENERGY (MWH)	INCREMENTAL COST ($/MWH)	ENVRNMNTL IMPACT CODE	SOCIAL IMPACT CODE
OR6NPP0339	STRUBE REREGULATING DAM	LANE	4600	21300	103.43	UNYYYNU	YNYNYYYYY
ORINPP0465	DETROIT	LINN	50000	123000	16.844	NNYUUUN	UNNNNNNNY
ORINPP0466	GREEN PETER	LINN	40000	114000	15.295	NNUYUUN	YNNNNNNNY
ORINPP0469	SMITH DAM (CARMEN-SMITH DIVE	LINN	21600	27400	51.220	NNYYUUN	UNNNNNNNY
OR5NPP0450	TUM CREEK (DIVERSION)	LINN	22676	166668	21. 70	UNYYYUU	UUUUYNNNY
ORCNPW0425	ANTELOPE DAM	MALHEUR	1299	3335	31.380	NNNNNNN	NNNNNNNUY
OR4NPW0417	BLACKJACK BUTTE	MALHEUR	22818	164592	41.635	NNYNYUN	UYYUNNNUY
ORCNPW0433	OWYHEE DAM	MALHEUR	187029	63842	61. 70	NNNNNNN	NNNNNNNYY
OR5NPP2722	MILL CITY DIVERSION (RIGHT B	MARION	60000	272900	20.619	UYYYYUU	UUUUYYNNY
ORCNPP2809	SILVER CREEK DAM	MARION	1550	6800	24.958	NNYUUUN	UNNNYNYNY
OR6NPP0487	SILVERCREST	MARION	2448	10722	110.27	UNYYYUU	UUUUNNNNY
OR6NPP0481	TUNNEL CREEK	MARION	20167	103877	43.862	UNYYYUU	UYYUNNNNY
ORGNPP0514	BONNEVILLE DAM/2ND POWERHOUS	MULTNOMAH	898200	1655931	27.490	NNUYYUN	YNNNNNNNY
ORCNPP0516	BULL RUN DAM NUMBER 1	MULTNOMAH	24000	64000	19. 82	NNUUUUN	NNNNNNYYY
ORINPW0441	MCNARY LOCK AND DAM	UMATILLA	740876	1111091	32.804	NNNYYNN	NNNNNNNYY
ORMNPP2810	TYGH VALLEY	WASCO	13400	58700	17.237	NNYYUUN	UNNNYNYNY
OR5NPP2697	CAMP FIVE	WASHINGTON	6900	30400	34.416	UYUYYUU	UUUUNYNNY
UTJSPK0791	CUTLER	BOX ELDER	32646	9338	169.55	3333333	333UUUUUU
UTNSPK9049	BLACKSMITH FORK PROJECT	CACHE	1900	8300	45.771	3333333	333UUUUUU
UTCSPK0797	PORCUPINE	CACHE	150	1269	39.901	33UU3U3	333UUUUUU
UTCSPK0804	SCOFIELD	CARBON	127	1069	55.648	33UU3U3	333UUUUUU
UT5SPK0811	LOWER ROCK CREEK	DUCHESNE	5847	28780	42.117	1342323	333UUUUUU
UTCSPK0820	MOON LAKE	DUCHESNE	1074	4776	33.287	33UU3U3	333UUUUUU
UTCSPK0821	STARVATION RESERVOIR	DUCHESNE	1755	8075	26.627	33UU3U3	333UUUUUU
UT5SPK0809	UINTA RESERVOIR	DUCHESNE	126285	171902	28. 4	2342323	333UUUUUU
UTHSPK0819	UINTAH POWERPLANT	DUCHESNE	41658	48736	47.482	3333333	333UUUUUU
UT5SPK0810	UPPER ROCK CREEK	DUCHESNE	71420	62851	60.255	2342323	333UUUUUU
UT5SPK0812	UPPER WEST FORK	DUCHESNE	6063	24316	45.777	2342323	333UUUUUU
UT5SPK0814	YELLOWSTONE	DUCHESNE	9838	52055	28.375	2342323	333UUUUUU
UTCSPK0827	ELECTRIC LAKE	EMERY	868	4411	29.322	33UU3U3	333UUUUUU
UTCSPK0830	HUNTINGTON NORTH RESERVOIR	EMERY	594	2356	46.447	33UU3U3	333UUUUUU
UTCSPK0831	JOES VALLEY RESERVOIR	EMERY	142	1046	46.855	33UU3U3	333UUUUUU
UTCSPK9047	MILL SITE	EMERY	110	879	50.443	33UU3U3	333UUUUUU
UTDSPK0835	MILL CREEK BELOW FORKS RESER	GRAND	109	907	48.182	33UU3U3	333UUUUUU
UTCSPK0842	SEVIER BRIDGE	JUAB	2075	6311	41.969	33UU3U3	333UUUUUU
UTCSPK0852	EAST CANYON RESERVOIR	MORGAN	796	3244	38. 6	33UU3U3	333UUUUUU
UTGSPK0851	GATEWAY POWERHOUSE	MORGAN	16768	20356	51.551	3333333	333UUUUUU
UTCSPK0853	LOST CREEK RESERVOIR	MORGAN	1180	5607	28.554	33UU3U3	333UUUUUU
UTCSPK0855	PIUTE	PIUTE	1230	5542	32.806	33UU3U3	333UUUUUU
UT6SPK0873	BLUFF (CHINLE)	SAN JUAN	385826	423287	55.388	2342332	311UUUUUU

Table 7-13(continued)
NORTHWEST POWER POOL(continued)

SITE ID NUMBER	PROJECT NAME	PRIMARY COUNTY	INCREMENTAL CAPACITY (KW)	INCREMENTAL ENERGY (MWH)	INCREMENTAL COST ($/MWH)	ENVRNMNTL IMPACT CODE	SOCIAL IMPACT CODE
UT4SPK0871	GOOSENECKS	SAN JUAN	180547	266530	31.577	2342333	3??0000000
UT6SPK0872	SLICK HORN CANYON	SAN JUAN	232640	318428	28.771	2342333	3???000000
UTGSPK0884	MOUNTAIN SPRINGS POWERHOUSE	SANPETE	66272	47730	45.924	3333333	3???000000
UTGSPK0891	UPPER MONROE POWERHOUSE	SEVIER	13546	20549	37.946	3333333	3???000000
UTCSPK0899	ECHO RESERVOIR	SUMMIT	3596	18358	20.155	3300303	3???000000
UT5SPK0902	UPPER WHITEROCKS	UINTAH	32638	51611	52.320	3342323	3???000000
UTGSPK0913	BARTHOLOMEW POWERHOUSE	UTAH	22718	19381	51.748	3333333	3???000000
UTGSPK0916	PAYSON POWERHOUSE	UTAH	1457	6145	27. 11	3333333	3???000000
UTCSPK0924	STRAWBERRY RESERVOIR (SOLDIE	WASATCH	1141	5713	26.704	3300303	3???00400
UTDSPK9007	SYAR	WASATCH	301	2636	38.357	3300303	3???00400
UTCSPK0930	CAUSEY RESERVOIR	WEBER	694	3767	30.279	3300303	3???000000
UTCSPK0931	PINEVIEW RESERVOIR	WEBER	1537	8114	24.338	3300303	3???000000
UTGSPK0929	WEBER PH	WEBER	25110	40996	40.460	3333333	3???000000
WAMNPS2668	DRYDEN	CHELAN	5000	30000	11.144	UNUUUUU	UUUUUUUYY
WA5NPS0182	LUCERNE RAILROAD CREEK	CHELAN	30441	119191	23.250	NNYNYUU	YNNUUUUUY
WAHNPS0193	TRINITY	CHELAN	5777	24388	23.297	UNUUUUU	UUUUUUUUU
WA5NPS0175	TROUT CR RES TO 8 MILE FLAT	CHELAN	36493	149715	24.296	NNYUYUU	YNNNUUUUY
WAANPS3210	TUMWATER	CHELAN	5000	30000	18.423	NUYUYUU	YUUUUUUYY
WA5NPS0174	8 MI CR RES TO ICICLE CANAL	CHELAN	59108	242491	15.391	NYYYYUU	YNNUUUUUY
WAINPS0207	GLINES CANYON DAM	CLALLAM	15634	46658	21.589	UNUUUUU	UUUUUUUUU
WA5NPS0198	UPPER DUNGENESS	CLALLAM	11341	47010	36. 43	NNYUYUU	YNNUUYUUY
WAINPP0648	ARIEL DAM (LAKE MERWIN)	CLARK	45000	60519	38.243	NYYYUUN	NNNNNYNNY
WA5NPP0641	CHARTER OAK	CLARK	26800	117400	25.166	UYYYYUU	UUUUNYNNY
WA7NPP0644	TUM TUM MOUNTAIN	CLARK	36200	158400	32.621	UNYYYUU	UUYUNNNNY
WAINPP0647	YALE DAM	CLARK	108000	200000	16.901	NYNNUUN	UNNNNYNNY
WA5NPP0657	BEAR CREEK	COWLITZ	29300	128200	21.322	UNNYYUU	UUYUNNNNY
WA5NPP0658	BEAR CREEK	COWLITZ	8200	36000	39.381	UNYYYUU	UUUUNNNNY
WA5NPP0659	BIG WOLF	COWLITZ	18200	79900	28.325	UNUUYUU	UUUUNNNNY
WA5NPP0662	COLDWATER CREEK	COWLITZ	8200	61000	30.927	UNYYYUU	UUYUNNNNY
WA7NPP0665	HOFFSTADT CREEK	COWLITZ	70200	307600	21.985	UNYYYUU	UUUUNNNNY
WA5NPP0670	NO NAME	COWLITZ	17700	77400	33.669	UNYYYUU	UUUUNNNNY
WA5NPP0671	PIGEON SPRINGS	COWLITZ	16131	97983	34.540	UYYYYUU	UUUUNYNNY
WA5NPP0673	SODA SPRING	COWLITZ	10000	43900	35. 97	UUYYYUU	UUUUNNNNY
WACNPS0209	LOWER RIMROCK DAM	DOUGLAS	9100	41100	24.630	UNUUUUU	UUUUUUUUU
WAENPS0216	POTHOLES EAST CANAL 66.0 PH	FRANKLIN	2600	13200	20.454	UNUUUUU	UUUUUUUYY
WAENPS0217	POTHOLES EAST CANAL 22.7 PH	FRANKLIN	5200	22700	15.313	UNUUUUU	UUUUUUUYY
WAENPS0228	POTHOLES E. CANAL HEADWORKS	GRANT	5000	20000	20.547	UNUUUUU	UUUUUUUYY
WAENPS3211	SUMMER FALLS	GRANT	75000	260000	10.198	NUYUYUU	YUUUUUUYY
WA6NPS0235	OXBOW (WEATHERWAX)	GRAYS HARBOR	24382	85617	45.418	NNYYYUU	YNNUUUUUY
WACNPS0236	WYNOOCHEE DAM	GRAYS HARBOR	10000	40000	23.231	UNUUUUU	UUUUUUUYY

Table 7-13(continued)
NORTHWEST POWER POOL(continued)

SITE ID NUMBER	PROJECT NAME	PRIMARY COUNTY	INCREMENTAL CAPACITY (KW)	INCREMENTAL ENERGY (MWH)	INCREMENTAL COST ($/MWH)	ENVRNMNTL IMPACT CODE	SOCIAL IMPACT CODE
WA7NPS0279	BEAVER CREEK	KING	23649	100595	35.672	NNYUYUU	YNNUUUUUY
WAHNPS0287	CEDAR FALLS (MASONARY DAM)	KING	5	46604	7.1129	UNUUUUU	UUUUUUUUU
WA5NPS0259	EAST FORK MILLER	KING	12527	46678	49.278	NNYYYUU	YNNUUUUUY
WAANPS0292	HIRAM A. CHITTENDEN LOCKS	KING	2600	13000	29. 2	UNUUUUU	UUUUUUUUU
WADNPS0290	HOWARD HANSON DAM	KING	5200	24900	26.365	UNUUUUU	UUUUUUUUY
WADNPS0291	MUD MOUNTAIN	KING	3000	13000	34.939	UNUUUUU	UUUUUUUUU
WA6NPS3208	NF SNOQUALMIE LOWER SITE	KING	10235	48872	211.39	NNYUYUY	YNNUUUUUU
WADNPS0282	TOLT DAM RESERVOIR	KING	15000	77088	14.458	UNUUUUU	UUUUUUUYY
WA5NPS0268	TUNGA	KING	20629	76879	42.290	NNYYYUU	YNNUUUUUY
WA4NPS2664	BIG SALMON LA SAC	KITTITAS	12284	45633	48.648	NNYUYUU	YNNUUUUUY
WACNPS0316	CLE ELUM LAKE	KITTITAS	16519	73673	15.395	UNUUUUU	UUUUUUUUU
WACNPS0314	KACHESS LAKE	KITTITAS	2587	11015	20.316	UNUUUUU	UUUUUUUUU
WACNPS0315	KEECHELUS LAKE	KITTITAS	3034	13431	31.816	UNUUUUU	UUUUUUUUU
WA6NPP0679	BOWMAN CREEK	KLICKITAT	22915	91467	43.128	UNYYYUU	UUYUNNNNY
WA5NPP0681	B-Z DAM (HUSUM)	KLICKITAT	48000	227800	18.193	UYYYYUU	UUYUYYYYY
WA7NPP0694	UNDERWOOD	KLICKITAT	42000	154000	23.556	UNYYUUU	UUYUYNYYY
WA5NPP0691	WALLACE BRIDGE DAM (B-7)	KLICKITAT	50000	233000	15.200	UYYYYUU	UUYUYYYYY
WA7NPP0714	GRAVEL BANK	LEWIS	18201	129052	33.615	UNYYYUU	UUUUNNNNY
WA5NPP0715	JOHNSON CREEK	LEWIS	13700	59900	27.573	UNYYYUU	UUUUNNNNY
WAGNPP0728	MAYFIELD DAM	LEWIS	40500	96000	21.993	YYYYUUN	UNNNNYNNY
WA1NPP0727	MOSSYROCK DAM	LEWIS	150000	300000	12.570	NYYYUUN	UNNNNYNNY
WA7NPP2804	SECTION 10 DIVERSION	LEWIS	67400	295100	15.202	UNYYYUU	UUUUNNNNY
WA5NPP2807	SILVER CREEK	LEWIS	13600	59700	28.891	UNYYYUU	UUUUNNNNY
WAGNPS0319	LITTLE FALLS DAM	LINCOLN	43001	103658	41.965	UNUUUUU	UUUUUUUUU
WA1NPS0318	LONG LAKE	LINCOLN	50000	83220	29.429	UNUUUUU	UUUUUUUUU
WAJNPS0324	CUSHMAN DAM NO 1	MASON	2160	5500	49.441	UNUUUUU	UUUUUUUUU
WAJNPS0325	CUSHMAN RESERVOIR NO 2	MASON	4050	11000	39.829	UNUUUUU	UUUUUUUUU
WA4NPS3213	DUCKABUSH HYDROELECTRIC	MASON	35000	275000	11.681	NUYUYUU	YUUUUUUYY
WA6NPS0421	SHANKERS BEND	OKANOGAN	54982	372120	31.592	NNYUYUY	YYYYUUUUY
WAMNPS0343	SIMILKAMEEN DAM (ENLOE DAM)	OKANOGAN	12428	45843	14.564	UNUUUUU	UUUUUUUYY
WAHNPS0347	BOUNDARY DAM	PEND OREILLE	190000	411720	9.7884	UNUUUUU	UUUUUUUYY
WAGNPS0351	BOX CANYON DAM	PEND OREILLE	20000	40000	36. 24	UNUUUUU	UUUUUUUUU
WANNPS0349	MILL POND DAM	PEND OREILLE	11068	38154	31. 11	UNUUUUU	UUUUUUUUU
WA6NPS3209	SULLIVAN CREEK	PEND OREILLE	18000	70080	18.482	NUYUYUU	YUUUUUUYY
WA5NPS2642	CARBON NO 2	PIERCE	25050	104876	28. 81	NNYYYUU	YNNUUUUUY
WA5NPS2649	CARBON NO 3	PIERCE	26744	111966	27.128	NNYYYUU	YNNUUUUUY
WA5NPS0361	EAST FORK RAINIER	PIERCE	11644	50181	45.393	NNYYYUU	YNNUUUUUY
WA5NPS0358	MOWICH NO 1A	PIERCE	11647	53300	40.684	NNYUYUU	YNNUUUUUY
WA5NPS0354	PARK JUNCTION ELBE	PIERCE	34405	152844	29.770	NYYUYUU	YNNUUUUUU
WANNPS0385	BEAR CREEK DAM NO. 1	SKAGIT	5200	21200	23.532	UNUUUUU	UUUUUUUYY

Table 7-13(continued)
NORTHWEST POWER POOL(concluded)

SITE ID NUMBER	PROJECT NAME	PRIMARY COUNTY	INCREMENTAL CAPACITY (KW)	INCREMENTAL ENERGY (MWH)	INCREMENTAL COST ($/MWH)	ENVRNMNTL IMPACT CODE	SOCIAL IMPACT CODE
WA5NPS0376	COPPER CREEK	SKAGIT	107678	462507	20.801	NNYYYUU	YNYUYYYYY
WA5NPS0397	FRAILEY MTN (DEER CR)	SKAGIT	44860	170186	22.671	NNYYYUU	YNNUUUUUY
WA5NPS0379	ILLABOT CR	SKAGIT	27829	109165	22.471	NNYYYUU	YNNUUUUUY
WA5NPS0373	WANLICK	SKAGIT	30748	118645	29.805	NNYYYUU	YNNUUUUUY
WA5NPP0747	MEADOWS LOWER DROP	SKAMANIA	55000	168000	16.783	UNUUYUU	UUUUNNNNY
WA5NPP0697	NINE FOOT CREEK (GULER)	SKAMANIA	21735	87561	34.534	UYYYYUU	UUUUYYYYY
WADNPS0420	GEORGE CULMBACK DAM	SNOHOMISH	9076	43232	19.291	UNUUUUU	UUUUUUUYY
WA5NPS0406	MIDDLE SULTAN	SNOHOMISH	37635	136517	21.505	NNYUYUU	YNNUUUUUY
WA4NPS3212	SUNSET FALLS	SNOHOMISH	7200	63000	13.908	NUYUYUU	YUUUUUUYY
WA5NPS0416	TROUT CREEK	SNOHOMISH	10014	37314	40.516	NNYYYUU	YNNUUUUUY
WA5NPS0404	WINTERS	SNOHOMISH	19119	69351	46. 72	NNYYYUU	YUUUUUUUY
WAHNPS0425	UPPER FALLS RESERVOIR	SPOKANE	88600	284500	20.287	UNUUUUU	UUUUUUUUU
WAHNPS0428	UPRIVER DAM RESERVOIR	SPOKANE	9600	47000	18.729	UNUUUUU	UUUUUUUUU
WAJNPS0430	MEYERS FALLS RESERVOIR	STEVENS	2873	8618	39.772	UNUUUUU	UUUUUUUUU
WA5NPS0443	GREEN CREEK DIVERSION	WHATCOM	-24132	93117	28.520	NYYYYUU	YNNUUUUUY
WAHNPS0456	NEWHALEM CREEK	WHATCOM	2500	17300	15.302	UNUUUUU	UUUUUUUUU
WAHNPS0455	NOOKSACK	WHATCOM	6000	32000	20.351	UNUUUUU	UUUUUUUYY
WAJNPS0451	ROSS HIGH DAM	WHATCOM	292000	403000	12.380	UNUUUUU	UUUUYYYYY
WA5NPS3215	SANDY CREEK	WHATCOM	8900	56200	26.196	NUYUYUU	YUUUUUUYY
WA6NPS0472	BUMPING LAKE ENLARGEMENT	YAKIMA	7304	41070	203.39	UNUUUUU	UUUUUUUYY
WACNPS0479	CLEAR LAKE	YAKIMA	1526	6720	27.153	UNUUUUU	UUUUUUUUU
WA5NPP0759	LAKES	YAKIMA	11000	48100	29.857	UNYYYUU	UUUUNNNNY
WA5NPS2662	NACHES MEADOWS DIVERSION	YAKIMA	12819	57599	49.733	NNYYYUU	YNNUUUUUY
WADNPS0469	TIETON DAM DIVERSION	YAKIMA	28100	129900	30.998	UNUUUUU	UUUUUUUYY
WA5NPP0762	WEST FORK NUMBER 1	YAKIMA	20600	90200	22.742	UNYYYUU	UUUUNNNNY
WYCMRU0327	BULL LAKE	FREMONT	3272	9180	44.520	332N2N3	N3333333
WYCMRU0328	PILOT BUTTE RESERVOIR	FREMONT	5000	22000	23. 4	332N2N3	N3333333
WY6NPW0493	ALPINE	LINCOLN	347432	830667	13.910	UYYNYUN	UUYUNNNUN
WYCSPK0933	UTAH POWER + LIGHT CO HAMS F	LINCOLN	5142	8661	27.225	33UU3U3	3333UUUUU
WYIMRU0361	BUFFALO BILL	PARK	20000	60300	16.582	332N2N3	N3333333
WYCSPK0939	BOULDER LAKE RES	SUBLETTE	365	1935	40.959	33UU3U3	3333UUUUU
WY6NPW0523	CAMP DAVIS	TETON	19528	52189	62.464	NUYNYUN	UYYUNNNUN
WY6NPW0508	GRANITE CREEK	TETON	46285	94266	46. 83	NUYNYUN	UNYUNNNUN
WYCNPW0535	JACKSON LAKE	TETON	10537	27755	26.722	NNNNNUN	NNNNNNNUY
WY4NPW0520	RAMSHORN	TETON	24178	64029	54.510	NUYNYUN	UNYNNNNUN
WY5NPW0517	SLIDE LAKE	TETON	5466	11985	65.600	YYYNYUN	UNNNNNNUN
WYCSPK1327	MEEKS CABIN RESERVOIR	UINTA	2321	7857	32.368	33UU3U3	3333UUUUU

Table 7-13(continued)
PROJECT LISTING, ROCKY MOUNTAIN POWER AREA

SITE ID NUMBER	PROJECT NAME	PRIMARY COUNTY	INCREMENTAL CAPACITY (KW)	INCREMENTAL ENERGY (MWH)	INCREMENTAL COST ($/MWH)	ENVRNMNTL IMPACT CODE	SOCIAL IMPACT CODE
COCSWA0003	JOHN MARTIN RESERVOIR	BENT	801	2217	68. 31	3333333	33??UUUUUU
COCMRO0021	BUTTON ROCK	BOULDER	1997	5496	40.198	332N2N3	N3333???
COAMRO0032	GROSS DAM ONE	BOULDER	2908	7771	35.607	332N2N3	N3333???
COCMRO0029	RESERVOIR NO 22	BOULDER	4139	10490	34.339	332N2N3	N3333???
COCSWA0005	TWIN LAKES RESERVOIR	CHAFFEE	609	1943	60.986	3333333	33??UUUUU
COCSWA0008	TERRACE RESERVOIR	CONEJOS	1895	6213	35.141	3333333	33??UUUUU
COCSPK0538	CRAWFORD RESERVOIR	DELTA	309	1616	44.879	33UU3U3	33??UUUUU
CO6SPK9048	TRI-COUNTY RESERVOIR	DELTA	20000	70000	44.286	UUUUUUU	UUUUUUU?U
COCSPK0540	GROUNDHOG	DOLORES	108	877	49.509	33UU3U3	33??UUUUU
COCMRO0045	CHATFIELD LAKE	DOUGLAS	5429	16307	30.603	332N2N3	N3??3???
COCMRO0044	CHEESMAN	DOUGLAS	5452	16537	28.727	332N2N3	N3??3???
CO5SPK0545	BRUSH CREEK	EAGLE	6796	45577	42.724	3342333	23?UUUUUU
CO5SPK0553	DERBY CREEK TO SWEETWATER CR	EAGLE	23282	136205	30.968	2242233	23?UUUUUU
CO5SPK0546	GYPSUM	EAGLE	8588	53350	42.817	3342333	U3?UUUUUU
CO5SPK0556	ROCK CREEK TO DERBY CREEK	EAGLE	14394	85475	43.556	3342233	22?UUUUUU
CO5SPK0562	CANYON CR TO DEBEQUE RESERVO	GARFIELD	106804	513004	16.487	3342233	23?UUUUUU
CO5SPK0569	CRYSTAL RIVER	GARFIELD	12781	63177	44. 71	3342223	U3?UUUUUU
CO5SPK0572	EMMA	GARFIELD	15745	80207	34.242	3342233	U23UUUUUU
CO5SPK0573	GLENWOOD SPRINGS	GARFIELD	32027	169047	25.323	3342233	U3?UUUUUU
COHSPK0577	SHOSHONE PH	GARFIELD	87045	144590	23.312	3333333	33??UUUUU
COCSPK0581	EAST BRANCH DAM	GRAND	135	1170	41.149	33UU3U3	33??UUUUU
CO5SPK0578	GORE CANYON	GRAND	31799	179254	17.361	3342233	UU?UUUUUU
CO5SPK0579	GORE CANYON SITE TO STATE RR	GRAND	20586	117087	39.127	3342233	U22UUUUUU
COCSPK0584	LAKE GRANBY	GRAND	2300	23209	10.166	33UU3U3	33??UU5UU
CO5SPK0596	ALMONT TO BLUE MESA DAM BACK	GUNNISON	21855	102612	41.648	3342223	U3?UUUUUU
COCSPK0605	PAONIA RESERVOIR	GUNNISON	9235	24846	30.266	33UU3U3	33??UUUUU
COCSPK0606	SILVER JACK RESERVIR	GUNNISON	1155	4018	39.195	33UU3U3	33??UUUUU
CO5SPK0598	SOMERSET TO MOUTH	GUNNISON	30293	124978	39.664	3342233	U22UUUUUU
COCSPK0600	SPRING CREEK	GUNNISON	1821	5765	34.958	33UU3U3	33??UUUUU
CO5SPK0591	SPRING CREEK (USGS UNDEVELOP	GUNNISON	7792	36909	43.116	3342233	U2?UUUUUU
COCSPK0601	TAYLOR PARK	GUNNISON	12985	28797	30.191	33UU3U3	33??UU55U
COD8PK0589	TAYLOR PARK DAM(USING RFS)TO	GUNNISON	4361	20521	37.180	33UU3U3	33??UUUUU
COCSWA0025	RIO GRANDE	HINSDALE	1611	4928	45. 23	3333333	33??UUUUU
COCMRO0054	STANDLEY LAKE	JEFFERSON	3096	9965	33.132	332N2N3	N3??3???
CO5SPK0610	DURANGO TO DEER CANYON	LAPLATA	33931	157254	31.403	3342123	U11UUUUUU
COCSPK0613	LEMON RESERVOIR	LAPLATA	2491	7108	35.460	33UU3U3	33??UU5UU
COCSPK0614	VALLECITO RESERVOIR	LAPLATA	6539	21562	27.373	33UU3U3	33??UU5UU
COCMRO0079	CARTER LAKE	LARIMER	23654	64087	17.484	332N2N3	N3??3???
COCMRO0082	HORSETOOTH RESERVOIR	LARIMER	1329	4031	43.797	332N2N3	N3??3???
COCSWA0028	TRINIDAD	LAS ANIMAS	825	2738	46.189	3333333	33??UUUUU

Table 7-13(concluded)
ROCKY MOUNTAIN(concluded)

SITE ID NUMBER	PROJECT NAME	PRIMARY COUNTY	INCREMENTAL CAPACITY (KW)	INCREMENTAL ENERGY (MWH)	INCREMENTAL COST ($/MWH)	ENVRNMNTL IMPACT CODE	SOCIAL IMPACT CODE
COASPK9038	GRAND VALLEY DIVERSION DAM	MESA	1145	9360	28.901	33UU3U3	33??UU5UU
COCSPK0625	JERRY CREEK NO 1	MESA	275	1700	47.892	33UU3U3	33??UUUUU
COGSPK0627	REDLANDS PH	MESA	15504	34918	26.789	3333333	33??UUUUU
CO6SWA0031	WAGON WHEEL GAP	MINERAL	22041	59590	76. 93	3143442	13??UUUUU
CO6SPK9030	CROSS MT(JUNIPER-CROSS MOUNT	MOFFAT	130406	125413	56.424	2242213	33?UUU5UU
CO6SPK0634	JUNIPER	MOFFAT	147781	161339	64.568	UUUUUUU	UUUUUU5UU
COCSPK0637	MCPHEE DAMSITE	MONTEZUMA	97927	101723	28.157	33UU3U3	33??UUUUU
COCSPK0646	BUCKEYE NO 1	MONTROSE	696	3480	41.130	33UU3U3	33??UUUUU
COISPK9037	CRYSTAL DAM	MONTROSE	11192	29160	27.942	3333333	33??UU5UU
CO6SPK9036	SMITH FORK	MONTROSE	35500	186000	21.818	UUUUUUU	UUUU5U5UU
COCSPK9003	RIDGWAY RES	OURAY	5787	17064	28.956	33UU3U3	33??UU5UU
COCMR00093	TARRYALL	PARK	2265	6559	31.985	332N2N3	N3???????
CO5SPK0661	LINCOLN GULCH	PITKIN	5755	26090	32.795	2242333	U3?UUUUUU
COCSPK0665	RUEDI RESERVOIR	PITKIN	6642	22592	24.205	33UU3U3	33??UU5UU
CO5SPK0658	SNOWMASS CREEK	PITKIN	8963	58418	33.574	3342223	22?UUUUUU
CO5SPK0657	WOODY CREEK	PITKIN	10774	70110	31.501	3342233	U3?UUUUUU
COCSWA0042	PUEBLO DAM	PUEBLO	21608	53576	21.248	3333333	33??UUUUU
COCSPK0676	BIG BEAVER	RIO BLANCO	2848	9661	32.998	33UU3U3	33??UUUUU
CO5SPK0669	MARVINE CREEK TO MOUTH	RIO BLANCO	9274	53961	35.305	3342233	U2?UUUUUU
CO5SPK0671	PELTIER CREEK TO MOUTH	RIO BLANCO	5439	35955	42.222	3242233	U3?UUUUUU
CO5SPK0673	SEC 19 TO GAUGE STA 30 MEEKE	RIO BLANCO	10784	62403	40.383	3342233	U3?UUUUUU
CO5SPK0667	SNELL CR TO MARVINE CR	RIO BLANCO	5486	31722	41. 95	3342333	U3?UUUUUU
CO5SPK0672	SOUTH FORK TO IRRIGATION SEC	RIO BLANCO	13818	56173	48.530	1342233	U2?UUUUUU
CO6SWA0043	GERRARD	RIO GRANDE	28511	73774	94.111	3343442	13??UUUUU
COCSPK0684	LAKE CATAMOUNT	ROUTT	1014	3805	39.551	33UU3U3	33??UUUUU
CO5SPK0689	ANIMAS GORGE	SAN JUAN	26059	120848	21.846	3242223	U3?UUUUUU
CO5SPK0688	NEEDLE	SAN JUAN	29172	137488	22.874	UUUUUUU	UUUUUUUUU
CO5SPK0696	HORSEFLY CREEK	SAN MIGUEL	10385	51536	45.881	2342233	23?UUUUUU
CO5SPK0690	HOWARDS FORK	SAN MIGUEL	3200	9800	56.988	UUUUUUU	UUUUUUUUU
CO5SPK0695	SALTADO DS TO MCKENZIE CREEK	SAN MIGUEL	7165	33771	47.884	3342233	U3?UUUUUU
COCSPK0706	DILLON	SUMMIT	6426	20246	26.715	33UU3U3	33??UUUUU
WYIMR00320	SEMINOE RESERVOIR	CARBON	112926	60129	58.351	332N2N3	N3???????
WYAMR00352	GRAY REEF RESERVOIR	NATRONA	6473	18851	32.476	332N2N3	N3???????
WYIMR00353	PATHFINDER RESERVOIR	NATRONA	144668	73488	57.490	332N2N3	N3???????
WYIMR00366	GLENDO RESERVOIR	PLATTE	56460	36778	72.116	332N2N3	N3???????
WYIMR00367	GUERNSEY	PLATTE	17398	46559	27. 5	332N2N3	N3???????

APPENDIX A

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Listing of the Streams with Economically Feasible Potential Hydropower Projects which have Major Non-Economic Constraints to Development, WSCC Region States

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0	STATUS OF FILE		NEWR
1	LAST UPDATE (YR/MO/DY)		79/07/20
2	LAST UPDATE (TIME OF DAY)		17.39.39
3	USGS GAGE SELECTION (0=USER 1=MACH)		1
4	FLO-DUR,SEQ-ROUT PARAMETER (0.0-1.0)		0.
5	USGS TAPE NO. FOR MONTHLY FLOWS		53.0
6	DRAINAGE AREA OF SELECTED GAGE		386.0
7	CALCULATED POWER HEAD		485.0
8	SITE TO GAGE DRAINAGE RATIO		.8
9	POWER STORAGE TO AVERAGE Q RATIO -YR		0.
10	PROJECT ID NUMBER	(A7)	ORP2000
20	PROJECT NAME	(A37)	HERMAN CRFEK
30	NAME OF STREAM	(A29)	HERMAN CRFEK
40	DIVISION	(A3)	NPC
50	DISTRICT	(A3)	NPP
60	REGION	(I2)	17
70	BASIN	(I2)	11
80	LATITUDE	(F5.1)	45.7
90	LONGITUDE	(F6.1)	121.9
100	PRIMARY STATE	(A2)	OR
110	PRIMARY COUNTY	(I3)	27
120	PRIMARY CONGRESSIONAL DISTRICT	(I2)	2
130	SECONDARY STATE	(A2)	
140	SECONDARY COUNTY	(I3)	-0
150	SECONDARY CONGRESSIONAL DIST	(I2)	-0
160	FERC REGIONAL OFFICE	(A2)	SF
170	FERC POWER SUPPLY AREA	(I2)	44
180	FERC RIVER BASIN CODE	(I6)	0
190	FERC SITE CODE	(I2)	0
200	FERC STATE CODE	(I2)	41
210	HYDRAULIC HEIGHT OF DAM (FT)	(F4.0)	15.0
220	MAXIMUM STORAGE (ACRE-FT)	(F8.0)	5.0
230	HT OF NORMAL RETENTION (FT)	(F4.0)	15.0
240	NORMAL STORAGE (ACRE-FT)	(F8.0)	5.0
250	NORMAL NET POWER HEAD (FT)	(F4.0)	375.0
260	DRAINAGE AREA (SQ. MI.)	(F8.0)	1.0
270	STREAMFLOW CHARACTERISTICS	(A1)	L
280	MACHINE ESTIMATES DESIRED	(A3)	NO
290	REPRESENTATIVE GAGE SELECTED	(I9)	0
300	AVERAGE ANNUAL INFLOW (CFS)	(F8.0)	25.0
310	ELECTRIC RELIABILITY COUNCIL	(A5)	WSCC
320	INSTALLED CAPACITY (KW)	(F8.0)	0.
330	AVE ANNUAL ENERGY INSTALLED	(F9.0)	0.
340	IDENTIFIED POWER POTENTIAL(KW)	(F8.0)	600.0
350	AVE ANNUAL ENERGY(MHW)POTENTIA	(F9.0)	4700.0
360	NEW POWER POTENTIAL EST. (KW)	(F8.0)	1400.0
370	NEW EST AVE ANN ENERGY (MWH)	(F9.0)	6000.0
380	EXISTING FUT POWER FEATURES	(A48)	POWERHOUSE DAM FOUNDATION WOOD PIPE
390	OWNER	(A24)	CITY OF CASCADE LOCKS
400	OWNER CODE	(A1)	G
410	PURPOSES	(A7)	H
420	STATUS	(A2)	OP
430	ACTIVE IN INVENTORY	(I1)	0
440	DEPEND OR INDEPEND	(A1)	I
450	COMMENT	(A48)	REPLACES EXISTING POWERDALE ORP0005
460	KNOWN POTENTIAL CONSTRAINTS	(A3)	YFS
470	COMMENT	(A48)	FISH HATCHERY DWNSTRM FROM POWERHOUSE
480	GENERAL COMMENTS	(A48)	0.
490	GENERAL COMMENTS	(A48)	0.
500	GENERAL COMMENTS	(A48)	INFO FROM CITY OF CASCADE LOCKS
600	NEAREST DOWNSTREAM TOWN	(A28)	0.
610	PRIMARY COUNTY NAME	(A16)	HOOD RIVER
620	ADDITIONAL VALUE 1	(F10.0)	11.0
630	ADDITIONAL VALUE 2	(F10.0)	3.0
640	ADDITIONAL VALUE 3	(F10.0)	0.
650	ADDITIONAL VALUE 4	(F10.0)	0.
660	ADDITIONAL VALUE 5	(F10.0)	0.

A -1

FORM 2, REPRESENTATIVE LISTING

FORM2 = ID6NPW0102 = LOCATION AND IDENTIFICATION DATE: 09/12/81

1	R2/M	U	PROJECT IDENTIFICATION NUMBER	(A10)	ID6NPW0102
2	01	R2/U	PROJECT NAME =20=	(4A10)	ROCK CREEK
3	R1	R2/U	M ACTIVE IN INVENTORY =430=	(F2.0)	6.
4	R1	R2/M	U STATUS OF FILE =0=	(A3)	DRC
5	R1	R2/M	LAST UPDATE (YR/MO/DY) =1=	(A10)	81/08/19
6	R1	R2/M	LAST UPDATE (TIME OF DAY) =2=	(A10)	20.44.08
7		R2/M	LAST COMPUTATION DATE (YR/MO/DY)	(A10)	80/05/28
8	R1	R2/M	U INVENTORY OF DAMS IDENTIFICATION NUMBER =10=	(A7)	IDU0182
9	R1	R2/M	USGS TAPE NUMBER (USED FOR INFLOW SELECTION) =5=	(F12.0)	16.
10	R1	R2/M	SELECTED GAGE DRAINAGE AREA (SQ MI) =6=	(F12.1)	996.0
11	R1	R2/U	M WEIGHTED NET POWER HEAD (FT) =7=	(F12.1)	454.5
12	C1	C2/M	SITE-TO-GAGE DRAINAGE AREA RATIO =8=	(F12.2)	1.13
13	C1	C2/M	POWER STORAGE-TO-AVERAGE ANNUAL INFLOW RATIO =9=	(F12.2)	.20
14		C2/M	AVERAGE ANNUAL DISCHARGE PER AREA (CFS/SQ.MI.)	(F12.2)	2.34
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)	
21		R2/U	DIVISION COMPOSITE RANKING	(A10)	
22		R2/U	STATE COMPOSITE RANKING	(A10)	
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)	
27		R2/U	ERC NON-ECONOMIC RANKING	(A10)	
28		R2/U	ERC COMPOSITE RANKING	(A10)	
29			RESERVED FOR FUTURE USE	(A10)	
30			RESERVED FOR FUTURE USE	(A10)	
31	01	R2/U	NAME OF STREAM =30=	(3A10)	N FK CLEARWATER R
32	R1	R2/U	DIVISION =40=	(A3)	NPD
33	R1	R2/U	DISTRICT =50=	(A3)	NPW
34	01	R2/U	REGION =60=	(F12.1)	17.0
35	01	R2/U	BASIN =70=	(F12.1)	8.0
36	R1	R2/U	LATITUDE =80=	(A10)	46 47.3
37	R1	R2/U	LONGITUDE =90=	(A10)	115 27.7
38	R1	R2/U	PRIMARY STATE =100=	(A2)	ID
39	01	R2/U	PRIMARY COUNTY =110=	(F12.1)	35.0
40	01	R2/U	PRIMARY COUNTY NAME =610=	(2A10)	CLEARWATER
41	01	R2/U	NEAREST DOWNSTREAM TOWN =600=	(3A10)	
42	01	R2/U	PRIMARY CONGRESSIONAL DISTRICT =120=	(F3.0)	1.
43	01	D2/U	SECONDARY STATE =130=	(A2)	
44	01	D2/U	SECONDARY COUNTY =140=	(F4.0)	0.
45	01	D2/U	SECONDARY COUNTY NAME	(2A10)	
46	01	D2/U	SECONDARY CONGRESSIONAL DISTRICT =150=	(F3.0)	0.
47	01	R2/M	FERC REGIONAL OFFICE =160=	(A2)	SF
48	R1	R2/U	FERC POWER SUPPLY AREA =170=	(F3.0)	42.
49	01	D2/U	FERC RIVER BASIN CODE =180=	(F7.0)	930422.
50	01	D2/U	FERC SITE CODE =190=	(F3.0)	40.
51	01	D2/U	FERC STATE CODE =200=	(F3.0)	16.
52	01	R2/M	ELECTRIC RELIABILITY COUNCIL =310=	(A5)	WSCC
53			ELECTRIC RELIABILITY COUNCIL SUB-REGION	(A10)	NW
54			RESERVED FOR FUTURE USE	(A10)	
55			RESERVED FOR FUTURE USE	(A10)	
56			RESERVED FOR FUTURE USE	(A10)	

FORM2 = ID6NPW0102 = PHYSICAL CHARACTERISTICS DATE: 09/12/81

57	R2/U	TYPE OF DAM	(A2)	RE	
58	02/U	COMMENT (ON "OTHER")	(4A10)		
59	R2/U	YEAR COMPLETED	(F5.0)	0.	
60	01 02/U	OWNER =390=	(3A10)		
61	01 R2/U	OWNER CODE =400=	(A1)		
62	01 R2/U	PURPOSES =410=	(A7)	H	
63	01 R2/U	STATUS =420=	(A2)	IS	
64	01 R2/U	EXISTING FEATURES FOR POWER =380=	(5A10)		
65	01 R2/U	DEPENDENT OR INDEPENDENT =440=	(A1)	I	
66	01 02/U	COMMENT =450=	(5A10)		
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)	**********	
81	R2/U	HEIGHT OF DAM (FT)	(F12.1)	480.0	
82	E2/U	CREST LENGTH (FT)	(F12.1)	950.0	
83	E2/U	SITE CROSS-SECTIONAL CLASSIFICATION	(A1)	B	
84	E2/U	SITE ARRANGEMENT CLASSIFICATION	(A1)	G	
85	E2/U	WATERWAY LENGTH (FT)	(F12.0)	0.	
86	E2/U	WATERWAY DESIGN FLOW (CFS)	(F12.0)	0.	
87	S2/U	HEIGHT TO TOP OF FLOOD CONTROL POOL (FT)	(F12.1)	0.	
88	S2/U	CUMULATIVE STORAGE AT TOP OF FLOOD CONTROL POOL (AC FT)	(F12.0)	380000.	
89	S2/U	SURFACE AREA AT TOP OF FLOOD CONTROL POOL (AC)	(F12.0)	0.	
90	S2/U	MAXIMUM OUTFLOW CAPACITY AT TOP OF FLOOD CONTROL POOL (CFS)	(F12.0)	0.	
91	S2/U	HEIGHT TO TOP OF CONSERVATION POOL (FT)	(F12.1)	460.0	
92	S2/U	CUMULATIVE STORAGE AT TOP OF CONSERVATION POOL (AC FT)	(F12.0)	380000.	
93	S2/U	SURFACE AREA AT TOP OF CONSERVATION POOL (AC)	(F12.0)	1700.	
94	S2/U	MAXIMUM OUTFLOW CAPACITY AT TOP OF CONSERVATION POOL (CFS)	(F12.0)	65000.	
95	S2/U	HEIGHT TO BOTTOM OF POWER POOL (FT)	(F12.1)	0.	
96	S2/U	CUMULATIVE STORAGE AT BOTTOM OF POWER POOL (AC FT)	(F12.0)	0.	
97	S2/U	SURFACE AREA AT BOTTOM OF POWER POOL (AC)	(F12.0)	0.	
98	S2/U	MAXIMUM OUTFLOW CAPACITY AT BOTTOM OF POWER POOL (CFS)	(F12.0)	0.	
99	S2/U	HEIGHT TO TOP OF INACTIVE POOL (FT)	(F12.1)	0.	
100	S2/U	CUMULATIVE STORAGE AT TOP OF INACTIVE POOL (AC FT)	(F12.0)	0.	
101	S2/U	SURFACE AREA AT TOP OF INACTIVE POOL (AC)	(F12.0)	0.	
102	S2/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)	460.0	
104	01 R2/U	MAXIMUM STORAGE (AC FT) =220=	(F12.0)	380000.	
105	F1 F2/U	NORMAL NET POWER HEAD (FT) =250=	(F12.1)	460.0	
106=113		DISCHARGE (CFS) VS HEIGHT (FT) RELATIONSHIP FOR TAILWATER			
	F2 S2/U	DISCHARGE(106) 5000.(108) 50000.(110) 0.(112) 0.	(F8.0)		
	F2 S2/U	HEIGHT (107) 5.0(109) 0. (111) 0. (113) 0.	(F8.1)		
114=125		MONTHLY PLANT FACTORS			
	S2/U M	JAN= .09FEB= .08MAR= .09APR= .08MAY= .08JUN= .07	(F6.2)		
	S2/U M	JUL= .08AUG= .08SEP= .08OCT= .08NOV= .09DEC= .10	(F6.2)		

FORM2 = ID6NPW0102 = HYDROLOGIC CHARACTERISTICS DATE: 09/12/81

126	R1 R2/U	DRAINAGE AREA (SQ MI) =260=	(F12.1)	1126.0	
127	R1 R2/U M	REPRESENTATIVE GAGE SELECTED =290=	(F12.0)	13340500.	
128	01 R2/U M	AVERAGE ANNUAL INFLOW (CFS) =300=	(F12.1)	2640.0	
129=140		NET LAKE EVAPORATION (INCHES)			
	S2/U M	JAN(129) 0. FEB(130) 0. MAR(131) 0. APR(132) 0.	(F6.2)		
	S2/U M	MAY(133) 0. JUN(134) 0. JUL(135) 0. AUG(136) 0.	(F6.2)		
	S2/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)	440.0	
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)		

FORM2 = ID6NPW0102 = OTHER PERTINENT DATA DATE: 09/12/81

146	O2/U	PRIOR STUDIES = COMMENT	(5A10)	
147	R1 R2/U	KNOWN POTENTIAL CONSTRAINTS =460=	(A3)	
148	O1 O2/U	COMMENT =470=	(5A10)	
149	O1 O2/U	GENERAL COMMENTS =480=	(5A10)	
150	O1 O2/U	GENERAL COMMENTS =490=	(5A10)	
151	O1 O2/U	GENERAL COMMENTS =500=	(5A10)	
152	D2/M	KNOWN SIGNIFICANT ADVERSE ENVIRONMENTAL IMPACTS	(A3)	
153	O2/U	COMMENT	(5A10)	
154	D2/U	KNOWN PROJECT PROPONENTS	(A3)	
155	O2/U	COMMENT	(5A10)	
156	D2/U	KNOWN PROJECT OPPONENTS	(A3)	
157	O2/U	COMMENT	(5A10)	
158	D2/U	KNOWN OR PROJECTED COMPETITIVE USES OF WATER	(A3)	
159	O2/U	COMMENT	(5A10)	
160	O2/U	MAP REFERENCE	(5A10)	
161	O2/U	ADDITIONAL VALUE 1 =620=	(F12.1)	68.7
162	O2/U	ADDITIONAL VALUE 2 =630=	(F12.1)	8017.0
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 = ID6NPW0102 = FINANCIAL DATA SUMMARY DATE: 09/12/81

166-197			FIELD ESTIMATE	MACHINE ESTIMATE		
	E2/U--E2/M	TOTAL FIRST COST ($1000)	(166)	0.(182)	103699.	(F9.0)
	E2/U--E2/M	CONTINGENCIES	(167)	0.(183)	25924802.	(F9.0)
	E2/U--E2/M	ENGINEERING AND OVERHEAD	(168)	0.(184)	14028242.	(F9.0)
	E2/U--E2/M	INTEREST DURING CONSTRUCTION	(169)	0.(185)	29628277.	(F9.0)
	E2/U--E2/M	TOTAL INVESTMENT ($1000)	(170)	0.(186)	173281.	(F9.0)
	E2/U--E2/M	ANNUAL INTEREST AND AMORTIZATION	(171)	0.(187)	11928488.	(F9.0)
	E2/U--E2/M	ANNUAL O, M, AND R	(172)	0.(188)	1673084.	(F9.0)
	E2/U--E2/M	ANNUAL PUMPING COST	(173)	0.(189)	0.	(F9.0)
	E2/U--E2/M	TOTAL ANNUAL COST	(174)	0.(190)	13601572.	(F9.0)
	E2/U--E2/M	INTEREST RATE (PERCENT X 1000)	(175)	0.(191)	6875.	(F9.0)
	E2/U--E2/M	PRICE LEVEL (YEAR)	(176)	0.(192)	0.	(F9.0)
	E2/U--E2/M	ANNUAL POWER BENEFITS ($1000)	(177)	0.(193)	31254.	(F9.0)
	E2/U--E2/M	OTHER ANNUAL BENEFITS ($1000)	(178)	0.(194)	0.	(F9.0)
	E2/U--E2/M	TOTAL ANNUAL BENEFITS ($1000)	(179)	0.(195)	31254.	(F9.0)
	E2/U--E2/M	BENEFIT-TO-COST RATIO X 100	(180)	0.(196)	230.	(F9.0)
	E2/U--E2/M	AVERAGE COST OF ENERGY ($/MWH)	(181)	0.(197)	17.	(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.

FORM2 = ID6NPW0102 = DETAILS OF FIELD ESTIMATE DATE: 09/12/81

206	E2/M		LANDS AND DAMAGES ($1000)	(F12.2)		0.
207	E2/U		RELOCATIONS ($1000) -- SPECIAL COST ITEM	(F12.2)		0.
208	E2/M		RESERVOIRS ($1000)	(F12.2)		0.
209	E2/M		DAM ($1000)	(F12.2)		0.
210	E2/U		AUXILIARY DAM ($1000) -- SPECIAL COST ITEM	(F12.2)		0.
211	E2/M		POWER INTAKE ($1000)	(F12.2)		0.
212	E2/M		POWERPLANT (INCLUDING SWITCHYARD) ($1000)	(F12.2)		0.
213	E2/U		ROADS, RAILROADS, AND BRIDGES ($1000) -- SPECIAL COST ITEM	(F12.2)		0.
214	E2/U		RECREATION FACILITIES ($1000)	(F12.2)		0.
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	(5A10)		
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)	R	
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	(5A10)		
242	O2/U		COMMENT	(5A10)		
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)		=754954.27
248	R2/U	M	AVERAGE ANNUAL PLANT FACTOR	(F12.2)		0.
249	O2/U		COMMENT	(5A10)		
250	R2/U	M	DEPENDABLE CAPACITY - EXISTING (KW)	(F12.2)		0.
251	R2/U	M	DEPENDABLE CAPACITY - TOTAL (KW)	(F12.2)		0.
252	R2/U		PUMPING ENERGY REQUIRED - EXISTING (MWH)	(F12.2)		0.
253	R2/M		PUMPING ENERGY REQUIRED - TOTAL (MWH)	(F12.2)		0.
254	O2/U		COMMENT	(5A10)		
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)		

FORM2 - ID6NPW0102 - SOURCE BY TYPE OF NEW CAPACITY AND ENERGY DATE: 09/12/81

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	(5A10)	
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 = ID6NPW0102 = POWER DATA == MACHINE RESULTS == DATE: 09/12/81

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)	.0100
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 (CFS) FROM FLOW-DURATION ANALYSIS	(F12.2)	56.87
283		AVERAGE ANNUAL AVAILABLE POWER FLOW (CFS)	(F12.2)	2742.42
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		AVE. ANNUAL ENERGY FOR EXISTING CAPACITY (FLOW-DURATION)	(F12.2)	**********
288		RESERVED FOR FUTURE USE	(F12.2)	**********
289		RESERVED FOR FUTURE USE	(F12.2)	0.
		... TOTAL POTENTIAL RESULTS ... =700 THRU 709=		
290		CAPACITY (KW)	(F12.2)	570119.73
291		AVERAGE ANNUAL ENERGY (MWH)	(F12.2)	796637.09
292		ANNUAL PLANT FACTOR	(F12.2)	.16
293		DEPENDABLE CAPACITY BENEFIT ($/KW-YR)	(F12.2)	24.70
294		AVERAGE ANNUAL ENERGY BENEFIT ($/MWH-YR)	(F12.2)	30.00
295		ANNUAL CAPACITY BENEFIT ($/YR)	(F12.2)	7358803.22
296		ANNUAL ENERGY BENEFIT ($/YR)	(F12.2)	23895648.55
297		TOTAL ANNUAL BENEFIT ($/YR)	(F12.2)	31254451.77
298		TOTAL ANNUAL COST ($/YR)	(F12.2)	13601571.99
299		B/C RATIO	(F12.2)	2.30
		... 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.
		... INCREMENTAL CAPACITY RESULTS ... =710 THRU 719=		
310		CAPACITY (KW)	(F12.2)	570119.73
311		AVERAGE ANNUAL ENERGY (MWH)	(F12.2)	796637.09
312		ANNUAL PLANT FACTOR	(F12.2)	.16
313		DEPENDABLE CAPACITY BENEFIT ($/KW-YR)	(F12.2)	24.70
314		AVERAGE ANNUAL ENERGY BENEFIT ($/MWH-YR)	(F12.2)	30.00
315		ANNUAL CAPACITY BENEFIT ($/YR)	(F12.2)	7358803.22
316		ANNUAL ENERGY BENEFIT ($/YR)	(F12.2)	23895648.55
317		TOTAL ANNUAL BENEFIT ($/YR)	(F12.2)	31254451.77
318		TOTAL ANNUAL COST ($/YR)	(F12.2)	13601571.99

319	B/C RATIO	(F12.2)	2.30
320-439	MACHINE RESULTS FROM FLOW-DURATION ANALYSIS		
440-505	MACHINE RESULTS FROM SEQUENTIAL FLOW ANALYSIS		
506	NUMBER OF UNITS	(F12.0)	3.
507	SIZE OF UNITS (KW)	(F12.0)	0.
508	TYPE OF UNITS	(5A10)	
509-569	MACHINE RESULTS FROM SEQUENTIAL FLOW ANALYSIS		

FORM2 = ID&NPW0102 = ENVIRONMENTAL IMPACTS DATE: 09/12/81

570	NATIONAL/STATE PARK/LANDS ADVERSELY IMPACTED (AC)	(F12.2)	**********
571	NATIONAL/STATE PARK/LANDS ENHANCED (AC)	(F12.2)	**********
572	COMMENT	(5A10)	
573	NATIONAL/STATE WILD AND SCENIC RIVERS DEGRADED (MI)	(F12.2)	**********
574	NATIONAL/STATE WILD AND SCENIC RIVERS ENHANCED (MI)	(F12.2)	**********
575	COMMENT	(5A10)	
576	POTENTIAL WILD AND SCENIC RIVERS DEGRADED (MI)	(F12.2)	**********
577	POTENTIAL WILD AND SCENIC RIVERS ENHANCED (MI)	(F12.2)	**********
578	COMMENT	(5A10)	
579	RECREATION LAKES/RESERVOIRS ADVERSELY IMPACTED (AC)	(F12.2)	**********
580	RECREATION LAKES/RESERVOIRS ENHANCED (AC)	(F12.2)	**********
581	COMMENT	(5A10)	
582	WILDERNESS,PRIMITIVE AND/OR NATURAL,ADVERSELY IMPACTED (AC)	(F12.2)	1350.00
583	WILDERNESS,PRIMITIVE AND/OR NATURAL,ENHANCED (AC)	(F12.2)	**********
584	COMMENT	(5A10)	NAT,FORREST-MULTIPLE-MOD,USE
585	ESTUARINE AND WETLAND AREAS ADVERSELY IMPACTED (AC)	(F12.2)	**********
586	ESTUARINE AND WETLAND AREAS ENHANCED (AC)	(F12.2)	**********
587	COMMENT	(5A10)	
588	CULTURAL RESOURCE SITES ADVERSELY IMPACTED (NUMBER)	(F12.2)	**********
589	CULTURAL RESOURCE SITES PRESERVED (NUMBER)	(F12.2)	**********
590	COMMENT	(5A10)	POSSIBLE
591	CRITICAL/IMPORTANT WILDLIFE HABITAT ADVERSELY IMPACTED (AC)	(F12.2)	1350.00
592	CRITICAL/IMPORTANT WILDLIFE HABITAT ENHANCED (AC)	(F12.2)	**********
593	COMMENT	(5A10)	BIG GAME WINTER RANGE
594	FISHERY HABITAT ADVERSELY IMPACTED (AC)	(F12.2)	**********
595	FISHERY HABITAT ENHANCED (AC)	(F12.2)	**********
596	COMMENT	(5A10)	
597	FISHERY HABITAT ADVERSELY IMPACTED (STREAM MILE)	(F12.2)	27.00
598	FISHERY HABITAT ENHANCED (STREAM MILE)	(F12.2)	**********
599	COMMENT	(5A10)	FREE FLOW TO RES, TROUT SPAWNING
600	ENDANGERED SPECIES ADVERSELY IMPACTED (NUMBER)	(F12.2)	**********
601	ENDANGERED SPECIES ENHANCED (NUMBER)	(F12.2)	**********
602	COMMENT	(5A10)	
603	WATER QUALITY ADVERSELY IMPACTED	(A3)	
604	WATER QUALITY ENHANCED	(A3)	
605	COMMENT	(5A10)	
606	OTHER ADVERSE IMPACTS	(A3)	
607	OTHER ENHANCEMENTS	(A3)	
608	COMMENT	(5A10)	
609	DELETE FROM ACTIVE INVENTORY	(A3)	NO
610	COMMENT	(5A10)	REG POWER NEED

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 = ID6NPW0102 = SOCIAL IMPACTS DATE: 09/12/81

620	PERSONS RELOCATED (NUMBER)	(F12.2)	0.
621	TOWNS RELOCATED (NUMBER)	(F12.2)	0.
622	BUSINESSES RELOCATED (NUMBER)	(F12.2)	**********
623	HIGHWAYS AND RAILROADS RELOCATED (MI)	(F12.2)	**********
624	HIGHWAY AND RAILROAD BRIDGES RELOCATED (NUMBER)	(F12.2)	**********
625	NAVIGATION ADVERSELY IMPACTED (MI)	(F12.2)	**********
626	COMMENT	(5A10)	
627	NAVIGATION ENHANCED (MI)	(F12.2)	**********
628	COMMENT	(5A10)	
629	FARM LAND INUNDATED (AC)	(F12.2)	**********
630	COMMENT	(5A10)	
631	DELETE FROM ACTIVE INVENTORY	(A3)	NO
632	COMMENT	(5A10)	UNKNOWN
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 = ID6NPW0102 = PROJECT ACCEPTABILITY DATE: 09/12/81

640	POLITICAL FACTORS SUPPORTING AUTHORIZATION	(A3)	
641	POLITICAL FACTORS OPPOSING AUTHORIZATION	(A3)	
642	COMMENT	(5A10)	
643	OTHER FEDERAL AND STATE AGENCY OPPOSITION	(A3)	
644	COMMENT	(5A10)	
645	LOCAL PUBLIC SUPPORT	(A3)	
646	LOCAL PUBLIC OPPOSITION	(A3)	
647	COMMENT	(5A10)	
648	ENVIRONMENTAL GROUP SUPPORT	(A3)	
649	ENVIRONMENTAL GROUP OPPOSITION	(A3)	YES
650	COMMENT	(5A10)	COLUMBIA RIV CITIZENS COMPACT
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)	
657	GENERAL COMMENT	(5A10)	

658	DELETE FROM ACTIVE INVENTORY	(A3)	YES
659	COMMENT	(5A10)	STATE OPPOSITION-CMNTS ON NHS
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)	NUYNYUN
669	RESERVED FOR FUTURE USE	(A10)	UNNNNNNYY

FORM2 = ID6NPW0102 = MARKETABILITY DATE: 09/12/81

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)	-24.70
674	INTERRUPTIBLE CAPACITY VALUE ($/KW-YR)	(F12.2)	-12.35
675	FIRM ENERGY VALUE ($/MWH)	(F12.2)	**********
676	SECONDARY ENERGY VALUE ($/MWH)	(F12.2)	**********
677	GENERAL COMMENT	(5A10)	
678	GENERAL COMMENT	(A10)	
679	DELETE FROM ACTIVE INVENTORY	(A10)	NO
680	COMMENT ON DELETION FROM ACTIVE INVENTORY	(A10)	NOT
681	COMMENT ON DELETION FROM ACTIVE INVENTORY	(A10)	DETERMINED
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 679,658,631,609	(A10)	100

DESCRIPTION OF COMPUTER RESULTS

To evaluate the large number of projects included in the NHS inventory, computer programs were developed to estimate project costs, benefits, and power potential from a minimum amount of input data. Data items from Form 2 which were required for the computer analysis are indicated on Form 2 in the column between the data item number and the data item description. The description codes included are as follows:

Code	Description
C1	Value computed automatically during Form 1 computer analysis of power potential.
C2	Value computed automatically during Form 2 computer analysis of power potential.
E2	Value estimated for Form 2 analyses (item 82-86 were required for computer analysis of project costs.
F1	Value required for Form 1 flow-duration computer analysis of power potential.
F2	Value required for Form 2 flow-duration computer analysis of power potential.
M	Machine (computer) generated values.
O1	Optional value for Form 1.
O2	Optional value for Form 2.
R1	Required value for Form 1.
R2	Required value for Form 2.
S2	Value required for Form 2 sequential-flow analysis of power potential.
U	User input value.

The following results of the computer analysis for the Rock Creek project located in Idaho is in three parts (1) basic assumptions, (2) detailed project cost estimate, and (3) power potential results using flow-duration techniques. These are discussed following.

Basic Assumptions

The several basic assumptions included in the power potential analysis for the Rock Creek project are briefly described following:

Assumption	Description
Evaporation rates	To estimate the amount of water available for power generation water lost to evaporation from the surface of the reservoir must be computed. Monthly rates in inches per month could be supplied by the user as input or regional values included in the computer programs could be used. Regional rates were used for Rock Creek.
Evaporation losses	From the regional evaporation rates and the surface area of the reservoir, it was estimated that 4 cfs would be lost to evaporation.
Upstream diversion	This represents a reduction in water available for power due to upstream withdrawals for other purposes.
Variable head	Based on tailwater height and discharge flow relationships input on Form 2, discharge power head relationships were computed as shown.

Detailed Cost Estimate

Project costs were estimated following generalized estimating procedures developed for the NHS and described briefly in chapter 5 of the WSCC report and in detail in Volume XIII of the final NHS report. As noted in the cost estimated, costs are in millions of dollars and are based on July 1978 price levels. Line 1 through 6 are the first (construction) costs for major project features. Since costs are based on construction costs in Portland, Oregon, in line 8 a geographic cost multiplier is applied to total construction costs in line 7 to account for regional differences in construction costs. To obtain total construction costs, a contigency amount of 25 percent is added. Engineering and overhead costs of 17.5 percent of total construction costs (line 12) are then added to obtain total project costs. Annual costs (line 20) include interest and amortization of total investment costs (line 16) over 100 years at 6 7/8 percent interest and operation, maintenance, and major replacement costs.

Power Potential Results Using Flow-Duration Techniques

The results shown are in three sections. The first section is an array of data summarizing the power potential, benefits and costs for the selected plant size. Column 1 shows the number of each line in the printout and identifies items which are stored on Form 2. The second column shows how each of the values shown in the fourth column (total potential capacity) were computed. Following the first section, the identification number of the USGS

gauge from which stream flow data were derived, power head, average inflow, and the ratio of power storage to annual inflow are shown. Negative values indicate that the value was estimated by the computer, and values within parentheses are user supplied values (or values from a previous computer analysis, if negative).

The final section consists of an array of data summarizing the power potential, benefits, and costs of plants sized to utilize stream flow available at 10 different points on a flow-duration curve representative of stream flow conditions at the project site. The percent exceedence values, ranging from 1 to 99, are associated with levels of stream flow which are equalled or exceeded a given percent of the time as determined by historical flows. For example, the flow, 9,242.25 cubic feet per second, at the 10 percent exceedence is equalled or exceeded only 10 percent of the time, etc. Finally, the lines of the array are numbered in the first column. These numbers are the same as the numbers in the first array and the same item descriptions apply.

ASSUMPTIONS FOR PROJECT ANALYSIS

COMMAND AND CONSTRAINTS FOP/NPW0102/

MESSAGE TYPE =	INFORMATIVE	REGIONALIZED EVAPORATION RATES SELECTED
MESSAGE TYPE =	INFORMATIVE	EVAPORATION LOSSES = 4 CFS
MESSAGE TYPE =	INFORMATIVE	UPSTREAM DIVERSION = 440 CFS
MESSAGE TYPE =	INFORMATIVE	TAILWATER RATING SELECTED (VARIABLE HEAD)
MESSAGE TYPE =	INFORMATIVE	TAILWATER RATING DEFINED FROM 5 TO 999 (1000 CFS)
MESSAGE TYPE =	INFORMATIVE	REGIONALIZED EVAPORATION RATES SELECTED
MESSAGE TYPE =	INFORMATIVE	EVAPORATION LOSSES = 4 CFS
MESSAGE TYPE =	INFORMATIVE	UPSTREAM DIVERSION = 440 CFS
MESSAGE TYPE =	INFORMATIVE	TAILWATER RATING SELECTED (VARIABLE HEAD)
MESSAGE TYPE =	INFORMATIVE	TAILWATER RATING DEFINED FROM 5 TO 999 (1000 CFS)

POWER HEAD CURVE

POWER HEAD	455.0	455.0	455.0	454.9
DISCHARGE	5000.0	50000.0	500000.0	5000000.3

DETAILED PROJECT COST ESTIMATE

ROCK CREEK

IDONPW0102

COST ESTIMATE FORM

($1,000,000)

JULY 1978 PRICE LEVEL

	MAJOR COST ITEMS	FIRST COST	TOTAL COST
(1)	POWERPLANT(3 190.0 MW FRANCIS UNIT(S))	52.04	
(2)	EMBANKMENT (DAMS, DIKES)	21.03	
(3)	SPILLWAY	15.91	
(4)	INTAKE AND OUTLET	18.91	
(5)	WATERWAY (CANAL, CHANNEL, CONDUIT)	0.	
(6)	RESERVOIR	2.52	
	INVESTMENT COST COMPUTATIONS		
(7)	TOTAL FIRST COST		
	SUBTOTAL A = SUMATION OF (1) THRU (6)	108.41	
(8)	(7)?GEOGRAPHIC FACTOR(.90)	97.57	
(9)	LAND COSTS	6.13	
(10)	SUBTOTAL B=(8+9)?CONTINGENCY(1.25)		129.63
(11)	SPECIAL COST ITEMS		0.
(12)	TOTAL CONSTRUCTION COST		
	SUBTOTAL C =(10+11)		129.63
(13)	ENGINEERING AND OVERHEAD COSTS		
	(12)?ENGR(.108)		14.03
(14)	TOTAL PROJECT COST		
	SUBTOTAL D = (12+13)		143.65
(15)	INTEREST DURING CONSTRUCTION		
	(14)?IDC(.2063)		29.63
(16)	TOTAL INVESTMENT COST		
	(14+15)		173.28
	ANNUAL COST COMPUTATIONS		
(17)	AMORTIZED COST		
	(16)?AMORTIZATION FACTOR(.06884)		11.93
(18)	OPERATION(R) AND MAINTAINANCE COSTS		.94
(19)	REPLACEMENT COSTS		
	(1)?0.0125?GEOGRAPHIC FACTOR(.90)?CONTINGENCY(1.25)		.73
(20)	TOTAL ANNUAL COST		
	(17)+(18)+(19)		13.60

FORM2 SITE = ID6NPW0102 POWER POTENTIAL RESULTS USING FLOW-DURATION TECHNIQUE DATE : 12 DEC 80

ROW ASSIGNMENT		MATHEMATICAL EXPRESSION	ITEM DESCRIPTION	TOTAL POTENTIAL CAPACITY	EXISTING CAPACITY	NEW POTENTIAL CAPACITY
1	STORED	1=1	INSTALLED CAPACITY (KW)	570119.73	0.	570119.73
2	STORED	2=2	AVERAGE ANNUAL ENERGY (MWH)	809492.17	0.	809492.17
3	STORED	3=2/(8.76?1)	AVERAGE ANNUAL PLANT FACTOR	.16	0.	.16
4	STORED	4=F(PCT. FLOW)	DEPENDABLE CAPACITY (KW)	25707.39	0.	25707.39
5		5=5	ANNUAL FIRM ENERGY (MWH)	201981.15	0.	201981.15
6		6=1-4	INTERRUPTIBLE CAPACITY (KW)	544412.34	0.	544412.34
7		7=2-5	ANNUAL SECONDARY ENERGY (KWH)	607511.02	0.	607511.02
8	STORED	8=8	DEPENDABLE CAPACITY BENEFIT (1/KW-YR)	24.70	0.	24.70
9		9=0.50?8	INTERRUPTIBLE CAPACITY BENEFIT (1/KW-YR)	12.35	0.	12.35
10	STORED	10=10	AVE. ANNUAL ENERGY BENEFIT (1/MWH-YR)	29.91	0.	29.91
11	STORED	11=(4?8)+(6?9)	ANNUAL CAPACITY BENEFIT (1/YR)	7358464.94	0.	7358464.94
12	STORED	12=2?10	ANNUAL ENERGY BENEFIT (1/YR)	24214569.22	0.	24214569.22
13	STORED	13=11+12	TOTAL ANNUAL BENEFIT (1/YR)	31573034.17	0.	31573034.17
14		14=16/1	INSTALLED CAPACITY COST (1/KW-YR)	23.86	0.	23.86
15		15=16/2	AVE. ANNUAL ENERGY COST (1/MWH-YR)	16.80	0.	16.80
16	STORED	16=16	TOTAL ANNUAL COST (1/YR)	13601597.95	0.	13601597.95
17		17=13-16	TOTAL ANNUAL NET BENEFIT (1/YR)	17971436.22	0.	17971436.22
18	STORED	18=13/16	BENEFIT-TO-COST RATIO	2.32	0.	2.32

USGS GAGE NUMBER 13340500 USER SUPPLIED

NET POWER HEAD =455. (460.) AVERAGE ANNUAL INFLOW =3245. (2640.) POWER STORAGE-TO-MEAN ANNUAL FLOW .20

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

ARRAY	PERCENT EXCEEDENCE									
	1	5	10	20	40	60	80	90	95	99
HEAD (FT)	454.96	454.96	454.96	454.96	454.96	454.96	454.96	454.96	454.96	454.96
DESQ(CFS)	17192.78	12230.80	9242.25	4853.77	2000.96	1206.06	849.16	700.96	613.70	488.53
4 DEP CAP	25734.78	25734.78	25734.78	25734.78	25734.78	25734.78	25734.78	23244.20	20350.80	16199.88
1 INS CAP	570119.73	405579.36	306478.30	160954.17	66353.26	39993.84	28158.62	23244.20	20350.80	16199.88
2 AAE	796637.09	769301.90	713235.05	540185.89	338504.09	247670.06	194573.73	169022.47	152727.25	127003.31
3 APF	.16	.22	.27	.38	.58	.71	.79	.83	.86	.89
8 BENR-DL	24.70	29.48	43.68	53.60	121.00	121.00	121.00	121.00	121.00	121.00
10 BENR-E	30.00	27.44	23.71	21.18	13.61	13.07	12.74	12.64	12.59	12.51
11 BENA-L	7358803.22	6356922.17	7254904.68	5003263.89	5571326.45	3976581.52	3260550.70	2812547.72	2462446.72	1960185.75
12 BENA-E	23895648.55	12112541.68	16910600.23	11442823.62	4605616.09	3237612.49	2479800.65	2136413.17	1922315.45	1588823.95
13 BENA-T	31254451.77	27469463.85	24165504.91	16446087.51	10176942.55	7214194.01	5740351.36	4948960.89	4384762.17	3549009.70
16 CSTA-T	13601571.99	11804718.93	10210654.47	7974917.66	6681709.99	6248838.87	6051410.16	5546922.27	5510174.43	5431442.39
18 B/C R	2.30	2.33	2.37	2.06	1.52	1.15	.95	.89	.80	.65
15 CSTA/E	17.07	15.34	14.32	14.76	19.74	25.23	31.10	32.82	36.08	42.77
UPT PAR 1	31254451.77	27469463.85	24165504.91	16446087.51	10176942.55	7214194.01	5740351.36	4948960.89	4384762.17	3549009.70
UPT PAR 2	13601571.99	11804718.93	10210654.47	7974917.66	6681709.99	6248838.87	6051410.16	5546922.27	5510174.43	5431442.39

COMMAND AND CONSTRAINTS !END!

Summary Listing of Streams with Economically Feasible Potential Hydropower Projects
Which Have Non-Economic Constraints to Development, California

No. of Projects	Stream	Status	Power Potential Capacity (kW)	Power Potential Energy (MWh)
		(Parks and Wilderness Areas)		
1	Deer Creek	Ishi Wilderness	131,300	144,000
1	Kern	Golden Trout Wilderness	299,000	404,200
1	M.F. Kings	Kings Canyon Nat. Park	50,800	137,700
(sub-total)				
(3)			(481,100)	(685,900)
		(Wild and Scenic Rivers)		
4	Eel	State imposed restriction	7,175,500	4,482,600
(sub-total)				
(4)			(7,175,500)	(4,482,600)
		(Endangered Species)		
1	Hat Creek		5,200	42,300
3	McCloud		83,300	457,300
1	W.F. Carson		5,300	28,100
(sub-total)				
(5)			(9,300)	(52,700)
		(Fish and Wildlife)		
1	Sacramento		824,300	1,108,000
(sub-total)				
(1)			(824,300)	(1,109,000)
		(Social - Acceptability)		
	Clavey	State Opposition	40,800	165,900
1	Tuolumne	"	100,000	272,000
(sub-total)				
(2)			(140,800)	(437,900)
TOTAL				
15			8,715,500	7,243,100

Listing of Streams with Economically Feasible Potential Hydropower Projects Which Have Non-Economic Constraints to Development, Colorado

No. of Projects	Stream	Status	Power Potential Capacity (kW)	Power Potential Energy (MWh)
		(Parks and Wilderness Areas)		
1	Green	Dinosaur Nat. Mon.	427,200	781,700
2	Gunnison	Black Canyon of the Gunnison Nat. Mon.	135,900	608,600
1	Los Pinos	Weminuche Wilderness	12,900	64,600
(sub-total) (4)			(576,000)	(1,454,900)
		(Endangered Species)		
4	Colorado	Fish/Pergrine	1,325,100	1,759,500
1	Dolores	Fish	108,300	95,000
1	Gunnison		306,600	304,000
(sub-total) (6)			(1,740,000)	(2,158,500)
TOTAL 12			2,316,000	3,613,400

Listing of Streams with Economically Feasible Potential Hydropower Projects Which Have Non-Economic Constraints to Development, Idaho

No. of Projects	Stream	Status	Power Potential Capacity (kW)	Power Potential Energy (MWh)
		(Parks and Wilderness Areas)		
1	Bear Creek	Selway-Bitterroot Wilderness	5,500	25,700
1	Clearwater	Nezperce Nat. Historic Park	40,600	129,300
1	Clearwater	Spalding State Park	24,300	125,500
1	E.F. Moose Creek	Selway-Bitterroot Wilderness	3,700	18,700
1	Granite Creek	Hell Canyon Nat'l. Rec. Area	3,200	17,200
1	N.F. Moose Creek	Selway-Bitterroot Wilderness	13,600	40,400
1	Salmon	Sawtooth Nat'l. Rec. Area	157,000	235,200
2	Salmon	Salmon Breaks Wilderness	1,826,700	2,427,100
1	Salmon	Gospel Humps Wilderness	3,445,900	3,615,800
1	Sheep Creek	Hells Canyon Nat'l. Rec. Area	1,600	7,900
(sub-total) (11)			(5,522,100)	(6,642,800)
		(Wild and Scenic Rivers)		
7	Lochsa	Federal Designation	342,000	730,200
1	M.F. Clearwater	"	1,492,600	2,008,700
7	M.F. Salmon	"	1,870,400	2,435,400
3	Salmon	"	3,018,600	4,213,300
6	Selway	"	1,457,200	1,915,500
4	St. Joe	"	184,300	961,500
(sub-total) (28)			(8,365,100)	(12,265,100)
		(Endangered Species)		
1	Snake		20,100	111,000
(sub-total) (1)			(20,100)	(111,000)
		(Fish and Wildlife)		
1	Snake	Goose Nesting	52,400	252,400
(sub-total) (1)			(52,400)	(252,400)

Idaho, Concluded

No. of Projects	Stream	Status	Power Potential Capacity (kW)	Power Potential Energy (MWh)
		(Social - Relocations)		
1	Clearwater	Floods Kooskia	557,600	853,100
1	Payette	Floods Banks	475,600	704,100
1	Priest		17,300	33,000
3	Salmon	Ellis, North Fork, Salmon	364,300	619,200
1	S.F. Clearwater		59,500	78,200
(sub-total) (7)			(1,474,300)	(2,287,600)
		(Social - Acceptability)		
1	Camas Creek	State Opposition	8,000	48,800
2	Clearwater	"	334,900	1,258,100
1	Coeur d'Alene	Local Opposition	557,600	853,100
1	M.F. Boise	State Opposition	175,300	254,100
5	N.F. Clearwater	"	2,235,100	2,076,600
5	Salmon	"	2,881,900	3,277,500
2	Snake	"	1,223,900	3,941,000
2	S.F. Boise	"	274,600	380,500
7	S.F. Payette	"	707,800	1,005,800
2	S.F. Salmon	"	508,900	682,800
(sub-total) (29)			(8,424,400)	(13,350,600)
TOTAL 77			23,858,400	34,909,500

Listing of Streams with Economically Feasible Potential Hydropower Projects Which Have Non-Economic Constraints to Development, Montana

No. of Projects	Stream	Status	Power Potential Capacity (kW)	Energy (MWh)
		(Wild and Scenic Rivers)		
3	Blackfoot	State Designation	210,000	962,500
2	Flathead	Federal Designation	108,700	465,100
3	M.F. Flathead	"	207,700	1,187,700
2	Missouri	"	1,190,700	2,308,000
1	Yellowstone	"	779,100	1,232,500
4	S.F. Flathead	"	213,800	860,300
2	N.F. Flathead	"	185,200	940,800
(sub-total) (18)			(2,895,200)	(7,956,900)
		(Fish and Wildlife)		
1	Big Hole	High Value Fishery	101,200	140,900
1	Gallatin	"	70,300	101,100
1	Jefferson	"	128,000	212,900
1	Missouri	"	68,100	264,600
2	Yellowstone	"	899,200	1,353,300
(sub-total) (6)			(1,266,800)	(2,072,800)
		(Social - Acceptability)		
1	Clark Fork		88,800	387,800
1	Flathead	State Opposition	96,000	569,400
3	Yaak	"	80,800	394,400
(sub-total) (5)			(265,600)	(1,351,600)
TOTAL 29			4,427,600	11,381,300

Listing of Streams with Economically Feasible Potential Hydropower Projects Which Have Non-Economic Constraints to Development, Nevada

No. of Projects	Stream	Status	Power Potential Capacity (kW)	Power Potential Energy (MWh)
		(Parks and Wilderness Areas)		
0			0	0
		(Wild and Scenic Rivers)		
0			0	0
		(Endangered Species)		
1	E.F. Carson		52,800	68,700
(sub-total) (1)			(52,800)	(68,700)
		(Fish and Wildlife)		
0			0	0
		(Social - Acceptability)		
0			0	0
TOTAL 1			52,800	68,700

Listing of Streams with Economically Feasible Potential Hydropower Projects Which Have Non-Economic Constraints to Development, Oregon

No. of Projects	Stream	Status	Power Potential Capacity (kW)	Power Potential Energy (MWh)
		(Parks and Wilderness Areas)		
1	Alsea	Missouri Bend St. Park	130,400	258,000
2	Chetco	Kalmiopsis Wilderness	95,300	299,000
1	Grande Ronde	Redbridge St. Park	2,500	9,800
2	Horse Creek	Three Sisters Wilderness	14,400	68,900
2	Imnaha	Hells Canyon Nat'l. Rec. Area	22,200	93,500
1	Mesa Creek	Three Sisters Wilderness	36,400	159,300
1	Millicoma	Millocama-Myrtle Grove St. Park	74,200	93,800
1	Nehalem	Nehalem Falls St. Park	73,000	377,600
1	Nehalem	Sunset Hwy. St. Park	121,000	531,000
2	N. Umpqua	Susan Creek St. Park	95,000	479,000
1	Roaring	Three Sisters Wilderness	24,500	107,500
1	Rogue	McCleod & Casey St. Parks	23,800	117,700
2	Separation Creek	Three Sisters Wilderness	16,100	140,700
1	S. Santiam	Cascadia St. Park	18,700	77,200
(sub-total) (19)			(747,500)	(2,813,000)
		(Wild and Scenic Rivers)		
2	Clackamas	State Designation	183,700	939,200
12	Deschutes	"	695,100	4,052,600
3	Illinois	"	508,000	1,896,800
5	John Day	"	408,100	1,691,800
4	Rogue	Federal Designation	931,600	4,235,900
3	Sandy	State Designation	103,100	415,000
1	Snake	Federal Designation	5,787,700	12,494,500
(sub-total) (30)			(8,617,300)	(25,725,800)
		(Endangered Species)		
0			0	0
		(Fish and Wildlife)		
1	Umpqua		37,000	300,000
1	Yaquina		39,000	172,000
(sub-total) (2)			(76,000)	(472,000)
		(Social - Relocations)		
1	M.F. Willamette		54,400	100,000
(sub-total) (1)			(54,400)	(100,000)

Oregon, Concluded

No. of Projects	Stream	Status	Power Capacity (kW)	Potential Energy (Mwh)
		(Social - Acceptability)		
1	Abiqua Creek	State Opposition	4,600	20,100
1	Black Creek	USFS Opposition	20,300	88,800
2	Bull Run	Portland Water Supply	41,000	179,400
1	Chetco	"	68,800	301,200
4	Clackamas	"	148,400	673,200
1	Collawash	"	18,900	83,100
1	Columbia	"	540,000	35,000
1	Cow Creek	Local Opposition	4,200	18,500
1	Crooked	State Opposition	23,300	161,600
1	Drift Creek (Siletz)	Public Opposition	15,400	67,400
1	Fall Creek	State Opposition	15,400	47,900
1	Floras Creek	"	2,200	9,400
4	Grande Ronde	"	857,900	1,533,200
2	Horse Creek	Public Opposition	17,800	152,600
1	John Day	State Opposition	74,100	324,400
1	Kalamath	"	39,900	133,700
1	Lake Branch	"	3,800	16,800
1	Little N. Santiam	Local Opposition	16,900	74,000
1	Lost Creek	Public Opposition	12,900	56,600
1	Lostine	State Opposition	1,700	9,200
1	Luckiamute	"	17,600	48,900
9	McKenzie	"	328,800	1,782,800
2	Metolius	"	49,400	423,800
1	M.F. Coquille	"	70,900	122,800
2	M.F. Willamette	"	26,200	121,900
2	Mill Creek	"	79,100	402,300
1	Molalla	"	98,100	117,600
1	Nehalem	"	4,500	19,800
2	N.F. John Day	"	49,600	175,400
2	N.F.M.F. Willamette	Public Opposition	33,700	204,700
1	N.F. Nehalem	State Opposition	15,700	68,600
2	N. Santiam	"	77,900	406,500
3	N. Umpqua	State Opposition	44,300	301,500
1	Oswego Creek		5,900	25,600
1	Pine Creek	State Opposition	5,400	28,700
7	Rogue	State Opposition	70,800	400,300
2	Salmon Creek	Public Opposition	90,700	428,000
1	Salmon	State Opposition	18,600	124,000
1	Sandy	Public Opposition	35,000	257,300
1	S.F. Coos	State Opposition	44,000	192,900
1	S.F. John Day	"	9,600	41,900
2	S.F. McKenzie	Public Opposition	10,400	75,000
3	Siletz	"	47,900	247,400
2	S. Santiam	State Opposition	78,200	325,800
1	S. Umpaqua	"	51,000	221,000
2	Trask	"	90,000	151,000
1	Umatilla	"	14,000	61,500
2	Umpqua	"	116,100	557,800
1	W.F. Cow Creek	"	10,900	47,900
1	Wilson	"	8,200	48,700
(sub-total) (87)			(3,522,000)	(11,417,500)
TOTAL 139			13,017,200	40,528,300

Listing of Streams with Economically Feasible Potential Hydropower Projects Which Have Non-Economic Constraints to Development, Utah

No. of Projects	Stream	Status	Power Potential Capacity (kW)	Energy (Mwh)
		(Parks and Wilderness Areas)		
1	Colorado	Arches Nat. Park	233,100	329,200
1	Fremont	Capitol Reef Nat. Mon.	7,800	29,700
1	Green	Dinosaur Nat. Mon.	117,100	490,600
(sub-total)				
(3)			(357,200)	(849,500)
		(Wild and Scenic Rivers)		
1	Colorado		1,060,800	1,390,400
(sub-total)				
(1)			(1,060,800)	(1,390,400)
		(Endangered Species)		
1	Ashley Creek	Plants	8,100	27,300
3	Green	Fish	956,100	1,542,200
(sub-total)				
(3)			(964,200)	(1,569,500)
		(Impacts on Fish and Wildlife)		
0			0	0
		(Social - Acceptability)		
0			0	0
TOTAL				
8			2,382,200	3,809,400

Listing of Streams with Economically Feasible Potential Hydropower Projects Which Have Non-Economic Constraints to Development, Washington

No. of Projects	Stream	Status	Power Potential Capacity (kW)	Power Potential Energy (Mwh)
		(Parks and Wilderness Areas)		
1	Baker	N. Cascades Nat'l. Park	217,600	995,500
1	Buck Creek	Glacier Peak Wilderness	23,500	91,100
1	Dosewallips	Olympic Nat'l. Park	45,800	183,700
1	Downey Creek	Glacier Peak Wilderness	51,000	197,600
1	E.F. Miller	Alpine Lakes Wilderness	6,300	26,500
4	Elwha	Olympic Nat'l. Park	173,600	767,900
2	Hoh	Olympic Nat'l. Park	108,200	229,900
1	Mowich	Mt. Rainier Nat'l. Park	13,900	63,800
1	N.F. Quinault	Olympic Nat'l. Park	31,900	125,900
2	N.F. Skokomish	Olympic Nat'l. Park	25,700	98,900
1	Ohanspecosh	Mt. Rainier Nat'l. Park	23,200	184,000
1	Queets	Olympic Nat'l. Park	97,700	439,400
2	Quinault	Olympic Nat'l. Park	73,600	322,800
1	S.F. Hoh	Olympic Nat'l. Park	32,100	131,800
1	Soleduck	Olympic Nat'l. Park	46,300	174,500
1	Spokane	Riverside St. Park	115,000	465,300
3	Suiattle	Glacier Peak Wilderness	159,200	616,500
1	Toutle	Seaquist St. Park	50,000	276,700
1	Wenatchee	Glacier Peak Wilderness	55,500	301,900
1	White Chuck	Glacier Peak Wilderness	41,900	159,000
(sub-total)				
(28)			(1,339,800)	(5,852,700)
	(Wild and Scenic Rivers)			
1	N.F. Sauk		76,600	291,400
2	Sauk		288,100	1,135,800
1	S.F. Skykomish		63,400	236,200
1	Skagit		42,100	180,900
1	Suiattle		120,700	467,500
(sub-total)				
(6)			(601,900)	(2,311,800)
	(Endangered Species)			
0			0	0
	(Social - Relocations)			
1	Cowlitz		475,200	946,300
(sub-total)				
(1)			(475,200)	(946,300)
	(Social - Acceptability)			
1	Big Quilcene	State Opposition	15,500	64,300
1	Chiwawa	"	52,200	303,000
1	Columbia	"	864,000	3,845,000
1	Dosewallips	"	23,300	93,300
1	Duckabush	"	16,800	67,300
2	Dungeness	"	49,800	218,500
3	Grande Ronde	"	913,300	1,576,300
1	Grays	"	17,000	56,800
1	Green		48,400	212,000
1	Hamma Hamma	"	9,300	50,000
1	Hoh	Local Opposition	74,600	353,100
1	Kalama		25,300	157,300

Washington, Concluded

No. of Projects	Stream	Status	Power Potential Capacity (kW)	Energy (Mwh)
5	Klickitat	State Opposition	110,400	760,900
1	Methow	"	86,400	563,500
1	M.F. Snoqualmie	"	26,900	104,700
1	Muddy F. Cowlitz	"	34,200	149,800
2	Naches	"	34,300	162,800
2	N.F. Nooksack	"	122,400	497,400
1	N.F. Stillaguamish	"	40,600	154,400
1	N.F. Toutle	"	65,700	287,800
1	Nooksack	"	46,000	203,900
1	Puyallup	"	32,500	167,600
1	S.F. Nooksack	"	46,000	200,200
1	S.F. Skokomish	"	42,300	187,100
1	S.F. Snoqualmie	"	31,800	113,700
4	S.F. Stillaguamish	"	193,500	783,500
1	Toutle	"	102,700	449,900
1	Troublesome Creek	"	7,200	30,200
1	Wallace	"	20,100	87,900
1	Washougal	"	48,900	214,100
2	Wenatchee	"	234,100	957,900
1	White	"	48,700	210,500
1	White Chuck	"	47,700	181,300
2	Wind	"	90,100	421,600
3	Yakima	"	212,200	936,700
(sub-total) (51)			(3,834,200)	(14,824,300)
TOTAL 86			6,251,100	23,935,100

Listing of Streams with Economically Feasible Potential Hydropower Projects Which Have Non-Economic Constraints to Development, Wyoming

No. of Projects	Stream	Status	Power Potential Capacity (kW)	Power Potential Energy (Mwh)
		(Parks and Wilderness Areas)		
1	Buffalo Fork	Grand Teton Nat'l. Park	74,400	84,200
1	Lewis	Yellowstone Nat'l. Park	4,800	15,900
1	Gros Ventre	Grand Teton Nat'l. Park	10,200	31,200
1	Snake River Offstream	Grand Teton Nat'l. Park	413,700	1,102,900
(sub-total) (4)			(503,100)	(1,234,200)
		(Wild and Scenic Rivers)		
0			0	0
		(Endangered Species)		
0			0	0
		(Impacts on Fish and Wildlife)		
0			0	0
		(Social - Acceptability)		
0			0	0
TOTAL 4			503,100	1,234,200

Appendix B
Listing of Existing and Potential Projects

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Listing of Existing and Potential Projects

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INTRODUCTION

A primary objective of the NHS was to inventory and evaluate potential hydropower projects. In the Western Systems Coordinating Council region the initial inventory encompassed 15,561 existing and undeveloped projects. These potential hydropower projects were identified primarily from the Corps' dam-safety inventory and other reports, the FERC computerized data base, water-power surveys of the USGS, and water-resource studies conducted by the States and other public and private entities. The power potential of the inventoried projects was evaluated in a 4-step screening process Beginning with the initial inventory, the first screening served to eliminate projects with no practical physical potential; the second screening refined power potential estimates and applied powerhouse costs to eliminate projects with no practical potential or no chance of being economically feasible (based on powerhouse costs only) the third screening applied total project costs and served to identify projects with a reasonable likelihood of being economically feasible; and, in the fourth screening, economically feasible projects were reviewed to identify potential non-economic constraints to possible development. Throughout the screening process, with few exceptions, potential projects with less than 1 MW potential (installed capacity) were dropped from the study.

Because there were so many existing dams and undeveloped damsites to be evaluated, projects with no practical physical potential were not included in the NHS computerized data base. (This inventory of potential projects is permanently maintained in a computer data base which includes descriptive information and the results of a computer analysis of power potential and development costs for each project.) In all, the inventory for the WSCC includes 2538 projects. In conducting the analyses for these projects, no site visits or other field investigations were made. For existing dams, data on project name, location, maximum storage capacity, and hydraulic height were obtained from the Corps' inventory of dams. To estimate flow, it was assumed that (1) continuous streamflow would be available sufficient to fill any reservoir in 24 hours, (2) this flow could convert to power at head equal to the maximum height of the dam, and (3) this conversion would be 85 percent efficient. Each site was analyzed by means of the standard formula for hyudropower, kW = HQe/11.8, where H = head in feet, Q = streamflow in cubic feet per second, and e = 85% in this case. For undeveloped projects head and flow (average annual) estimates were obtained directly from the reference source and potential capacity was computed using the above formula, assuming a 50 percent annual plant factor. Even under these admittedly liberal criteria, over 70 percent of the originally considered projects failed to pass because they could not provide 1 MW of power and so were eliminated from further consideration. The remaining projects which under preliminary analysis showed potential for at least 1 MW were included in an initial data base and were further evaluated (second screening). Projects which passed the second screening, as described above, were transferred to the present data base for further evaluation, with a few exceptions.

TABULATED DATA

The purpose of this appendix is to provide a summary listing of selected data on the 2538 existing and potential hydropower projects which were included in the NHS inventory (computer data base) for the WSCC. In the following table, projects are listed in alphabetical order first by state, second by county, and third by project name. A description of the data included in the table precedes the tabulated information. However, a few items warrant clarification:

(1) Up to four lines of information are presented for each project.

(2) Projects are separated by a space.

(3) As noted in the description of tabulated data. The third character of the project indentification number describes the type and status of the project. A description of each of the possible project status/types is shown in the following matrix:

STATUS OF WATERWAY STRUCTURE	TYPE OF OPERATION: RUN OF RIVER	DIVERSION	RESERVOIR	RES. WITH DIVERSION	IRRIGATION CANAL	STORAGE
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

(4) Project costs shown were derived from computer application of generalized cost estimating procedures and should not be construed to be representative of actual costs.

(5) In a few areas, environmental and social impact assessments and codes were completed only for those projects which are recommended for further study (ACTV INV status of "2").

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ALPHABETICAL PROJECT LISTING

PROJECT NAME	SITE ID	COUNTY NAME
ABBEY BRIDGE	CA6SPK0340	PLUMAS
ABIQUIU DAM	NMCSWA0083	RIO ARRIBA
ACORN CREEK	CO5SPK0702	SUMMIT
ADAMS	CA6SPK0274	NAPA
ADAMS CREEK	WA6NPP0750	SKAMANIA
ADEL	OR6NPP0233	HARNEY
AGENCY VALLEY DAM	ORCNPW0434	MALHEUR
AHSAHKA	ID4NPW0105	CLEARWATER
ALAMO RESERVOIR	AZCSPL9999	YUMA
ALBANY	ORKNPP0434	LINN
ALBENI FALLS	IDINPS0008	BONNER
ALBERTON	MT4NPS0097	MINERAL
ALBERTSON DAM	ORCSPK9045	LAKE
ALCHESAY PUMPED STORAGE	AZ9SPL0504	MARICOPA
ALCOVA RESERVOIR	WYIMRO0351	NATRONA
ALDER	WAJNPS0368	PIERCE
ALDER CREEK	OR6NPP2672	WHEELER
ALDER GLEN	OR6NPP0539	TILLAMOOK
ALDRIDGE	ID4NPW0032	BINGHAM
ALEXANDER FLATS	ID4NPW0160	ELMORE
ALLEGANY	OR6NPP0083	COOS
ALLEN CAMP DAM	CA6SPK0260	MODOC
ALLENSPUR	MT6MRO0171	PARK
ALMA	OR6NPP2673	LANE
ALMONT TO BLUE MESA DAM BACKW	CO5SPK0596	GUNNISON
ALMONT (EAST RIVER)	CO7SPK0592	GUNNISON
ALMONT (TAYLOR RIVER)	CO5SPK0595	GUNNISON
ALPINE	WY6NPW0493	LINCOLN
ALPINE CREEK	WA6NPS0270	KING
ALTA FOREBAY	CAHSPK9029	PLACER
ALTA TUNNEL POWERHOUSE	UT5SPK0907	UTAH
ALTERNATE CREVICE	ID4NPW0195	IDAHO
ALTERNATE BLACK CANYON	ID6NPW0202	IDAHO
ALTERNATE LOWER CANYON	ID6NPW0293	NEZ PERCE
ALTERNATE BECKLER	WA4NPS0267	KING
ALTURUS LAKE	WA7NPS0269	KING
ALVORDS BRIDGE	WA5NPP0678	KLICKITAT
AMALIA	NM6SWA0111	TAOS
AMENT	OR4NPP0309	JOSEPHINE
AMERICAN FALLS	IDINPW0320	POWER
AMERICAN FORK PH	UTHSPK0912	UTAH
AMERICAN RIVER	WA4NPS0470	YAKIMA
ANDERSON	ID5NPW0176	FREMONT
ANDERSON COTTONWOOD DIVERSION	CA8SPK0405	SHASTA
ANDERSON RANCH	IDINPW0166	ELMORE
ANGELS POWERHOUSE	CAHSPK0085	CALAVERAS
ANIMAS GORGE	CO5SPK0689	SAN JUAN
ANT HILL	CA6SPK0171	KERN
ANTELOPE BASIN	CA4SPK0441	TEHAMA
ANTELOPE DAM	ORCNPW0425	MALHEUR
ANTELOPE VALLEY RESERVOIR	CACSPK0353	PLUMAS
ANTELOPE VALLEY	CA4SPK0270	MONO
ANTHONY HOUSE	CACSPK0306	NEVADA
ANTILON LAKE DAM	WADNPS3107	CHELAN
APAREJO	ID6NPW0260	LEMHI
APPALOOSA	OR6NPW0452	WALLOWA
APPLEGATE CORPS OF ENGINEERS	ORCNPP0256	JACKSON
ARCHIE CREEK	ID6NPW0054	BOISE
ARIEL DAM (LAKE MERWIN)	WAINPP0648	CLARK
ARIZONA FALLS	AZESPL0502	MARICOPA
AROCK	OR5NPW0436	MALHEUR
ARRASTRA CREEK	MT6NPS0123	POWELL
ARROW	ID4NPW0299	NEZ PERCE
ARROWROCK	IDCNPW0167	ELMORE
ARTHUR R BOWMAN(PRINEVILLE RE	ORCNPP0121	CROOK
ASH SWAMP	OR6NPP0079	COOS
ASHLEY	MTCNPS0058	FLATHEAD
ASHLEY CREEK RESERVOIR	UT5SPK0904	UINTAH
ASHTON	IDGNPW0181	FREMONT
ASHTON REPLACEMENT	ID4NPW0175	FREMONT
ASOTIN	ID4NPW0295	NEZ PERCE
ASPEN	CO5SPK0659	PITKIN
ATKINS	MT6NPS0062	GRANITE
ATLANTA	IDYNPW0147	ELMORE
AUBREY FALLS	OR6NPP2674	DESCHUTES
AUBURN DAM	CA6SPK0314	PLACER
AUGUSTA CREEK	OR5NPP0370	LANE
AUKUM RESERVOIR	CA6SPK0094	EL DORADO
AUMSVILLE	OR5NPP0472	MARION
AUSTA NEW AUSTA	OR6NPP0329	LANE

PROJECT NAME	SITE ID	COUNTY NAME
AVERY	ID4NPS0017	SHOSHONE
AVERY RANCH	OR6NPP0122	CURRY
AZURE	CO9SPK9031	GRAND
A=2	CA6SPK0440	TEHAMA
B W BP 49	IDENPW0601	LINCOLN
BACON	ID6NPW0123	CUSTER
BADGER CREEK	ID6NPW0117	CUSTER
BADGER CREEK	OR6NPP0581	WASCO
BAILEY MOUNTAIN	ID5NPW0235	IDAHO
BAKER CREEK	ID5NPW0045	BLAINE
BAKER CREEK MCMINNVILLE	ORNNPP0615	YAMHILL
BAKER DAM	WAINPS0382	SKAGIT
BAKERS FORD	CA7SPK0095	EL DORADO
BALANCED ROCK	ID5NPW0327	TWIN FALLS
BALCH AFTERBAY	CAJSPK0150	FRESNO
BALCH DIVERSION	CAJSPK0149	FRESNO
BALD HILL	OR6NPP0092	COOS
BALD KNOB	ID7NPW0110	CLEARWATER
BALD MOUNTAIN	ID5NPW0148	ELMORE
BALD MOUNTAIN	OR7NPP0307	JOSEPHINE
BALD ROCK NO. 5	CA7SPK0030	BUTTE
BALO ROCK	WA6NPP0729	PIERCE
BANGOR	CA6SPK0522	YUBA
BARBER DAM	IDMNPW0006	ADA
BARBER FLATS	ID7NPW0143	ELMORE
BARK SHANTY	OR6NPP0530	TILLAMOOK
BARKER RESERVOIR	COIMRO0033	BOULDER
BARLOW PEAK	WY5NPW0533	TETON
BARON CREEK	ID5NPW0061	BOISE
BARTHOLOMEW POWERHOUSE	UTGSPK0913	UTAH
BARTLETT POINT	ID5NPW0082	BUTTE
BARTLETT RESERVOIR	AZCSPL0019	MARICOPA
BASALT	CO5SPK0543	EAGLE
BASCUM FLATS	ID6NPW0156	ELMORE
BASIN CREEK	WY6NPW0532	TETON
BASS LAKE (CRANE VALLEY STORA	CAISPK0228	MADERA
BATTLE CREEK DIVERSION DAM	CA7SPK0376	SHASTA
BAYHORSE	ID6NPW0133	CUSTER
BEACON HILL ABOVE ELEV 612	WA5NPS0168	CHELAN
BEAR CR	WA7NPS0475	YAKIMA

PROJECT NAME	SITE ID	COUNTY NAME
BEAR CREEK DIVERSION	CACSPK0153	FRESNO
BEAR CREEK FALLS	ID5NPW0014	ADAMS
BEAR CREEK	ID5NPW0238	IDAHO
BEAR CREEK	ID7NPW0346	VALLEY
BEAR CREEK	OR6NPP0474	LANE
BEAR CREEK	OR7NPP0440	LINN
BEAR CREEK DAM NO. 1	WANNPS0385	SKAGIT
BEAR CREEK	WA5NPP0657	COWLITZ
BEAR CREEK	WA5NPP0658	COWLITZ
BEAR CUB PASS	WY5NPW0512	TETON
BEAR DAM	CACSPK0248	MARIPOSA
BEAR HILL	ID6NPW0344	VALLEY
BEAR RIVER	CACSPK0021	AMADOR
BEAR SPRINGS	OR6SPN0049	KLAMATH
BEAR VALLEY	CA6SPK1421	COLUSA
BEAR VALLEY	ID6NPW0124	CUSTER
BEARDSLEY CANAL DROP	AZESPL0511	MARICOPA
BEARDSLEY AFTERBAY	CACSPK0508	TUOLUMNE
BEARDSLEY LAKE	CAJSPK0506	TUOLUMNE
BEAVER CREEK	OR6NPP0139	CURRY
BEAVER CREEK	OR6NPP2675	TILLAMOOK
BEAVER CREEK	WA7NPS0279	KING
BEAVER MARSH	OR5NPP0441	LINN
BEAVER NARROWS	UT6SPK0795	CACHE
BEAVER NO 2 POWERHOUSE	UTHSPK0788	BEAVER
BEAVER NO 1 POWERHOUSE	UTHSPK0857	PIUTE
BECHLER MEADOWS	WY7NPW0510	TETON
BECKLER	WA4NPS0413	SNOHOMISH
BEDROCK	CO6SPK0641	MONTROSE
BEE RANCH	OR4NPP0042	CLACKAMAS
BELDEN POWERHOUSE	CAHSPK0366	PLUMAS
BELKNAP (FERC)	OR7NPP0334	LANE
BELKNAP (USGS)	OR7NPP0335	LANE
BELL SPRINGS	CA6SPN0014	MENDOCINO
BELLA VISTA	CA6SPK0377	SHASTA
BELLE=MILL	CA6SPK0442	TEHAMA
BELOW ELEV 1765	WA4NPS2657	YAKIMA
BELTON	MT6NPS0042	FLATHEAD
BEN FRANKLIN	WA4NPS0166	BENTON
BEND POWER DAM	ORGNPP0162	DESCHUTES

PROJECT NAME	SITE ID	COUNTY NAME
BENDS	WA5NPS0251	JEFFERSON
BENHAM FALLS	OR7NPP0155	DESCHUTES
BENNETT DAM	WAUNPS3111	GRANT
BENSONS BLUFF	MT6MRO0185	STILLWATER
BERRY	OR6NPP2690	WHEELER
BERRY CREEK	WA7NPP0730	SKAMANIA
BICKEL	ID6NPW0329	TWIN FALLS
BIG BEAVER	COCSPK0676	RIO BLANCO
BIG BUTTE CREEK (MCNEIL)	OR6NPP0259	JACKSON
BIG CLIFF	ORINPP0464	LINN
BIG CREEK NO.2 PH	CAHSPK0163	FRESNO
BIG CREEK NO.8 PH	CAHSPK0234	MADERA
BIG CREEK NO 6(DIVERSION DAM)	CAJSPK0155	FRESNO
BIG CREEK NO 7 (REDINGER LAKE	CAJSPK0159	FRESNO
BIG CREEK	MTHNPS0086	LAKE
BIG CREEK	OR4NPP2691	CLATSOP
BIG FISH CR TO SNELL CR	COSSPK0666	RIO BLANCO
BIG FORK	MTHNPS0054	FLATHEAD
BIG HUMBUG CREEK	CA7SPK0487	TUOLUMNE
BIG MUDDY	WA5NPP0756	YAKIMA
BIG OWL	ID5NPW0151	ELMORE
BIG PINE CREEK	ID6NPW0057	BOISE
BIG SALMON LA SAC	WA4NPS2664	KITTITAS
BIG SANDY RESERVOIR	WYCSPK0946	SWEETWATER
BIG SMOKY	ID6NPW0085	CAMAS
BIG SPRINGS NO 3	CA5SPK0378	SHASTA
BIG SULPHUR	CA6SPN0043	SONOMA
BIG THOMPSON	COIMRO0811	LARIMER
BIG TIMBER CANYON	OR6NPW0392	BAKER
BIG TREES	CA7SPK0488	TUOLUMNE
BIG VALLEY	CA6SPK0198	LASSEN
BIG WOLF	WA5NPP0659	COWLITZ
BINGHAM SPRINGS	OR6NPP0561	UMATILLA
BISHOP CREEK RESERVOIR	NVCSPK0745	ELKO
BITNEY CORNER	CA6SPK0280	NEVADA
BITTERROOT	MT6NPS0111	MISSOULA
BLACK BOX CANYON	UT7SPK0826	EMERY
BLACK BUTTE LAKE	CACSPK0466	TEHAMA
BLACK BUTTE	OR6NPW0410	HARNEY
BLACK CANYON DIVERSION	IDGNPW0186	GEM

PROJECT NAME	SITE ID	COUNTY NAME
BLACK CANYON	ID6NPW0201	IDAHO
BLACK CANYON	OR4NPP2692	LANE
BLACK CANYON	OR6NPP2693	GRANT
BLACK EAGLE	MTGMRO0667	CASCADE
BLACK ROCK	ID4NPW0094	BANNOCK
BLACK ROCK	WY7NPW0514	TETON
BLACKFOOT DAM	IDCNPW0301	CARIBOU
BLACKJACK BUTTE	OR4NPW0417	MALHEUR
BLACKS LAKE	IDCNPW0007	ADA
BLACKSMITH FORK PROJECT	UTNSPK9049	CACHE
BLACKSMITH FORK (HARDWARE RAN	UT6SPK0796	CACHE
BLAINE	OR7NPP0531	TILLAMOOK
BLANCO	CO6SPK0535	ARCHULETA
BLAZED ALDER	ORSNPP0510	MULTNOMAH
BLAZED ALDER CREEK	OR6NPP0012	CLACKAMAS
BLISS	IDGNPW0194	GOODING
BLODGETT CR	MT4NPS0133	RAVALLI
BLOOMINGTON RESERVOIR	ID5SPK0714	BEAR LAKE
BLUE CREEK	WA6NPW0486	WALLA WALLA
BLUE LAKE DAM (RES)	WACNPS3110	OKANOGAN
BLUE MESA RESERVOIR	COJSPK0604	GUNNISON
BLUE RIDGE RESERVOIR	AZISPL0012	COCONINO
BLUE RIDGE	CA6SPK0517	YOLO
BLUE RIVER	ORCNPP0411	LANE
BLUFF (CHINLE)	UT6SPK0873	SAN JUAN
BOBS MOUNTAIN	WA6NPP0731	SKAMANIA
BOCA RESERVOIR	CACSPK0312	NEVADA
BOCO-SPRING CREEK	WY7NPW0507	LINCOLN
BOEHLS BUTTE	ID5NPW0108	CLEARWATER
BOGGS	CA6SPK0181	LAKE
BOGUS CREEK	ID6NPW0343	VALLEY
BOGUS CREEK	OR6NPW0422	MALHEUR
BOILING SPRINGS	ID7NPW0367	VALLEY
BOISE DIVERSION	IDGNPW0008	ADA
BONANZA	ID4NPW0135	CUSTER
BONNER	MT6NPS0112	MISSOULA
BONNEVILLE DAM/2ND POWERHOUSE	ORGNPP0514	MULTNOMAH
BOONE CREEK	ID5NPW0326	FREMONT
BOREL POWERHOUSE	CAHSPK9024	KERN
BOULDER CREEK	OR5NPP0173	DOUGLAS

PROJECT NAME	SITE ID	COUNTY NAME
BOULDER CREEK	OR6NPP0125	CURRY
BOULDER CREEK	OR7NPP0336	LANE
BOULDER FLATS	ID6NPW0044	BLAINE
BOULDER LAKE RES	WYCSPK0939	SUBLETTE
BOUNDARY	OR6NPP0181	DOUGLAS
BOUNDARY DAM	WAHNPS0347	PEND OREILLE
BOWEN	OR5NPW0395	BAKER
BOWL AND PITCHER	WA4NPS0422	SPOKANE
BOWMAN CREEK	WA6NPP0679	KLICKITAT
BOWMAN LAKE (ROCKFILL)	CAJSPK0286	NEVADA
BOWMAN RESERVOIR OUTLET TO CA	CACSPK9032	NEVADA
BOX CANYON (OVANDO 8)	MT7NPS0115	POWELL
BOX CANYON UPPER	OR4NPP2695	JEFFERSON
BOX CANYON LOWER	OR6NPP2694	JEFFERSON
BOX CANYON DAM	WAGNPS0351	PEND OREILLE
BOYSEN RESERVOIR	WYIMR00326	FREMONT
BRADLEY CREEK	OR7NPP0194	DOUGLAS
BRANSCOMB	CA6SPN0017	MENDOCINO
BRAUER	MT5NPS0144	SANDERS
BREWSTER VALLEY-SITKUM LOWER	OR6NPP0094	COOS
BREWSTER VALLEY (DIVERSION)	OR7NPP0093	COOS
BRIDGE CAMP	WA4NPS0439	WHATCOM
BRIDGEPORT	CACSPL0096	MONO
BRIDGEPORT RESERVOIR	CA7SPK0096	EL DORADO
BRIGHAM POWERHOUSE NO 1	UTHSPK0793	BOX ELDER
BRIGHAM POWERHOUSE NO 2	UTHSPK0794	BOX ELDER
BRIGHT ANGEL	ID6NPW0218	IDAHO
BROADWATER DAM	MTAMR00127	BROADWATER
BROOKS	CA6SPK0518	YOLO
BROWN CREEK	WA7NPS0355	MASON
BROWNLEE	IDINPW0380	WASHINGTON
BROWNS MEADOW	CA7SPK0489	TUOLUMNE
BRUNEAU CANYON HOT SPRINGS	ID7NPW0309	OWYHEE
BRUNO	OR5NPP0442	LINN
BRUSH CREEK	COSSPK0545	EAGLE
BRUSH CREEK	ID6NPW0034	BINGHAM
BRUSH CRK	CACSPK0135	EL DORADO
BUCK CREEK #1	WA5NPS0387	SNOHOMISH
BUCK CREEK #1A	WA5NPS0390	SNOHOMISH
BUCK HOLLOW	OR6NPP0617	YAMHILL

PROJECT NAME	SITE ID	COUNTY NAME
BUCKEYE NO 1	COCSPK0646	MONTROSE
BUCKHORN	ID5NPW0347	VALLEY
BUCKS LAKE (STORAGE)	CACSPK0363	PLUMAS
BUELL	OR5NPP0523	POLK
BUFFALO BILL	WYIMR00361	PARK
BUFFALO RAPIDS NO 4 LOW	MT4NPS0073	LAKE
BUFFALO RAPIDS NO 2	MT4NPS0075	LAKE
BUFFALO RAPIDS 4 HIGH.	MT6NPS0071	LAKE
BULL BASIN	OR6NPP2696	SHERMAN
BULL LAKE	WYCMR00327	FREMONT
BULL RIVER NO. 1.	MT4NPS0156	SANDERS
BULL RIVER NO. 2.	MT4NPS2608	SANDERS
BULL RUN DAM NUMBER 2	ORCNPP0057	CLACKAMAS
BULL RUN DAM NUMBER 1	ORCNPP0516	MULTNOMAH
BULL TROUT LAKE	ID5NPW0066	BOISE
BULLY CREEK DAM	ORCNPW0432	MALHEUR
BUMPING LAKE	WACNPS0478	YAKIMA
BUMPING LAKE ENLARGEMENT	WA6NPS0472	YAKIMA
BUMPING LAKE ELEVATION 3165	WA7NPS2658	YAKIMA
BUMPING RATTLESNAKE RTLSNK CR	WA6NPS0465	YAKIMA
BUMPING RIVER	WA5NPS0467	YAKIMA
BURNS CREEK	ID6NPW0069	BONNEVILLE
BURNS DAM	CACSPK0256	MERCED
BURNT CAR	OR6NPP0230	HARNEY
BURNT LAKE	WYSSPK0936	SUBLETTE
BUTLER VALLEY DAM	CA6SPN0047	HUMBOLDT
BUTT VALLEY RESERVOIR	CAJSPK0358	PLUMAS
BUTTE CREEK CLARNO	OR6NPP0582	SHERMAN
BUTTERFLY-SCOTT	ID5NPW0353	VALLEY
BUTTON ROCK	COCMR00021	BOULDER
BUZZARDS ROOST	ID5NPW0321	SHOSHONE
BUZZARDS ROOST	OR6NPP0308	CURRY
BYARS CREEK	OR6NPP0483	MARION
BYARS CREEK DIVERSION	OR7NPP0490	MARION
B-Z DAM (HUSUM)	WA5NPP0681	KLICKITAT
B.W.SP 48	IDENPW0600	LINCOLN
C BEN ROSS	IDCNPW0019	ADAMS
C J STRIKE	IDINPW0311	OWYHEE
CABALLO RESERVOIR	NMCSWA0105	SIERRA
CABIN CREEK	ID7NPW0364	VALLEY

PROJECT NAME	SITE ID	COUNTY NAME
CABINET GORGE	IDINPS0007	BONNER
CAMOON	MT6NPS0116	MISSOULA
CALAVERAS RESERVOIR	CAC3PN0002	ALAMEDA
CALISPELL	WAJNPS0348	PEND OREILLE
CALOWAY CREEK	WA7NPS0329	OKANOGAN
CAMANCHE RESERVOIR	CAC3PK0373	SAN JOAQUIN
CAMAS CREEK	OR4NPP0565	UMATILLA
CAMAS VALLEY	OR6NPP0182	DOUGLAS
CAMBRIDGE	ID5NPW0379	WASHINGTON
CAMINO RESERVOIR	CAJ3PK0128	EL DORADO
CAMP COWEMAN	WA5NPP0660	COWLITZ
CAMP CREEK	ID4NPW0271	LEMHI
CAMP CREEK	OR4NPP0221	GRANT
CAMP DAVIS	WY6NPW0523	TETON
CAMP FIVE	OR5NPP2697	WASHINGTON
CAMPERS FLAT	OR6NPP0340	LANE
CAMPFAR WEST	CAC3PK0325	PLACER
CANYON CR TO DEBEQUE RESERVOI	CO53.K0562	GARFIELD
CANYON CREEK	.D6NPW0059	BOISE
CANYON CREEK	ID7NPW0289	MADISON
CANYON CREEK	OR6NPP0475	MARION
CANYON CREEK	OR7NPP2698	GRANT
CANYON FERRY LAKE	MTIMR00158	LEWIS AND CLAR
CAP CANAL TURNOUT	AZE3PL0512	MARICOPA
CAPPS CROSSING	CA53PK0097	EL DORADO
CAPTAIN JOHN	ID5NPW0240	IDAHO
CARBON NO 2	WA5NPS2642	PIERCE
CARBON NO 1	WA5NPS2643	PIERCE
CARBON NO 3	WA5NPS2649	PIERCE
CARBONDALE	CO53PK0570	GARFIELD
CARDIFF	CO53PK0568	GARFIELD
CAREY	ID5NPW0042	BLAINE
CAREY CREEK	ID6NPW0204	IDAHO
CARIBOU AFTERBAY (BELDEN FORE	CAJ3PK0364	PLUMAS
CARSON	OR5NPW0401	BAKER
CARSON DIVERSION	WA5NPP0732	SKAMANIA
CARSON RIVER DIVERSION	NVA3PK0736	CHURCHILL
CARTER LAKE	COCMR00079	LARIMER
CARVER	OR6NPP0013	CLACKAMAS
CASCADE	IDINPW0375	VALLEY

PROJECT NAME	SITE ID	COUNTY NAME
CASCADE	WA5NPS0380	SKAGIT
CASCADE CREEK-LOW	WA6NPP0661	COWLITZ
CASCADE CREEK-HIGH	WA7NPP0711	LEWIS
CASCADE GORGE	WA7NPP0739	SKAMANIA
CASCADE (YOSEMITE POWERHOUSE)	CAH3PK0247	MARIPOSA
CASCADE-SKAGIT	WA4NPS2630	SKAGIT
CASCADIA (RESERVOIR)	OR6NPP0454	LINN
CASCADIA (DIVERSION)	OR7NPP0453	LINN
CASEY RANCH	ID6NPW0154	ELMORE
CASEY TO ANDERSON	ID6NPW0146	ELMORE
CASNER CREEK	ID6NPW0055	BOISE
CASTAIC	CAI3PL0079	LOS ANGELES
CASTILE FORD	WA5NPP0758	YAKIMA
CASTILLA	UT43PK0908	UTAH
CASTLE CREEK	CO53PK0660	PITKIN
CASTLE CREEK	ID7NPW0132	CUSTER
CASTLE CREEK	OR5NPP0273	JACKSON
CASTLE CREEK (MT STELLA)	OR7NPP0261	JACKSON
CASTLE ROCK	CA63PK0032	BUTTE
CASTLE ROCK	WA7NPP0649	COWLITZ
CATHERINE CREEK	OR6NPW0445	UNION
CAUSEY RESERVOIR	UTC3PK0930	WEBER
CEDAR	WA5NPP0746	SKAMANIA
CEDAR CREEK	OR6NPP0552	TILLAMOOK
CEDAR CREEK	OR6NPP0633	YAMHILL
CEDAR CREEK	OR6NPP2699	COOS
CEDAR FALLS (MASONARY DAM)	WAHNPS0287	KING
CEDAR GROVE	CA53PK0138	FRESNO
CEDAR RESERVOIR	CA63PK0059	CALAVERAS
CEMENT CREEK	CO63PK0593	GUNNISON
CENTER CREEK (PAROWAN) POWERH	UTH3PK0840	IRON
CENTERVILLE POWERHOUSE	CAH3PK0057	BUTTE
CENTRAL CANAL	OR5NPP0157	DESCHUTES
CHAIR MOUNTAIN	CO53PK0656	PITKIN
CHALLIS	ID6NPW0126	CUSTER
CHALLIS CREEK	ID6NPW0127	CUSTER
CHALLIS REREGULATING	ID6NPW0119	CUSTER
CHANDLER	AZE3PL0503	MARICOPA
CHANDLER (PROSSER DIV).	WAHNPS0167	BENTON
CHARLEY CREEK	WA5NPW0473	ASOTIN

PROJECT NAME	SITE ID	COUNTY NAME
CHARTER OAK	WA5NPP0641	CLARK
CHATFIELD LAKE	CO6MRO0045	DOUGLAS
CHEESMAN	CO6MRO0044	DOUGLAS
CHERRY LAKE	CA3SPK0505	TUOLUMNE
CHETCO RIVER INTERMEDIATE (PR	OR5NPP0148	CURRY
CHETCO RIVER UPPER (CHETO R P	OR5NPP0150	CURRY
CHETCO RIVER LOWER (CHETO R P	OR6NPP2668	CURRY
CHEWACK CREEK	WA6NPS0333	OKANOGAN
CHICAGO PARK FOREBAY	CA6SPK0308	NEVADA
CHIEF JOSEPH DAM	WAINPS0212	DOUGLAS
CHILDS	AZ6SPL0505	YAVAPAI
CHILI BAR	CA1SPK0123	EL DORADO
CHIMNEY PEAK	OR5NPP0455	LINN
CHINA GARDENS	ID6NPW0298	NEZ PERCE
CHINOOK	ID7NPW0351	VALLEY
CHIQUITO RESEVOIR	CA7SPK0216	MADERA
CHIWAUKUM	WA5NPS2671	CHELAN
CHIWAWA	WA7NPS0178	CHELAN
CHONTON TUBAS	CA7SPK0380	SHASTA
CHRISTY CREEK	OR5NPP0371	LANE
CHROMO	CO6SPK0536	ARCHULETA
CLAIR ENGLE LAKE TRINITY	CA1SPN0045	TRINITY
CLARK CANYON RESERVOIR	MTCMRO0119	BEAVERHEAD
CLARK RANCH	ID6NPW0071	BONNEVILLE
CLARK VALLEY	CA6SPK0166	GLENN
CLAVEY RES (HUNTER POINT DAM)	CA7SPK9035	TUOLUMNE
CLAYTON	ID6NPW0120	CUSTER
CLE ELUM LAKE	WACNPS0316	KITTITAS
CLEAR CREEK RESERVOIR	COCSWA0004	CHAFFEE
CLEAR CREEK	ID5NPW0001	BOISE
CLEAR CREEK	OR6NPP0315	JOSEPHINE
CLEAR CREEK	OR6NPP0546	TILLAMOOK
CLEAR CREEK	WA5NPP0733	SKAMANIA
CLEAR FORK	WA5NPP0712	LEWIS
CLEAR LAKE IMP	CACSPK0197	LAKE
CLEAR LAKE	CACSPN0268	MODOC
CLEAR LAKE	IDHNPW0193	GOODING
CLEAR LAKES	ID6NPW0190	GOODING
CLEAR LAKE	WACNPS0479	YAKIMA
CLEAR SPRINGS	ID4NPW0002	GOODING

PROJECT NAME	SITE ID	COUNTY NAME
CLEARWATER	MT6NPS0120	MISSOULA
CLEARWATER NUMBER 1 FOREBAY	ORJNPP0202	DOUGLAS
CLEARWATER NUMBER 2 FOREBAY D	ORJNPP0208	DOUGLAS
CLEARWATER CREEK	WA4NPS3217	WHATCOM
CLEARWATER CREEK	WA7NPP0734	SKAMANIA
CLIFF	OR7NPP0049	CLACKAMAS
CLINE FALLS	ORGNPP0154	DESCHUTES
CLIO	CA6SPK0341	PLUMAS
CLOVERLEAF	ID5NPW0341	VALLEY
COAL CANYON POWERHOUSE	CAMSPK0056	BUTTE
COAL CREEK	OR6NPP2700	COOS
COBURG	OR5NPP0337	LANE
COCHITI	NMCSWA0092	SANDOVAL
COCHRANE DAM	MTGMRO0659	CASCADE
COFFEE CREEK	OR4NPP2701	DOUGLAS
COGSWELL	CACSPL0086	LOS ANGELES
COKEVILLE POWER PLANT	WYSSPK0950	LINCOLN
COLD CREEK	MT4NPS0102	MINERAL
COLD SPRINGS RIDGE	ID5NPW0015	ADAMS
COLD SPRINGS	OR5NPW0460	WALLOWA
COLDWATER CREEK	WA5NPP0662	COWLITZ
COLEMAN	OR6NPP2702	JEFFERSON
COLEMAN FOREBAY	CAJSPK0406	SHASTA
COLLAWASH	OR5NPP0014	CLACKAMAS
COLOMA AFTERBAY	CA6SPK0099	EL DORADO
COLOMA RESERVOIR	CA6SPK0100	EL DORADO
COLONADE	WY5NPW0522	TETON
COLORADO UTAH LINE	CO5SPK0616	GRAND
COLUMBIA FALLS	MT4NPS0032	FLATHEAD
COMBIE	CACSPK0290	NEVADA
COMBINATION (BLUE RIVER)	OR5NPP2779	LANE
CONCONULLY RESERVOIR	WACNPS0339	OKANOGAN
CONDIT DAM	WAJNPP0698	KLICKITAT
COOK CREEK	OR4NPP0394	LANE
COON CREEK	CA7SPK0317	PLACER
COONEY CR	MT4NPS0127	LEWIS AND CLAR
COPCO NO. 2	CAQSPN0054	SISKIYOU
COPCO NO.1	CAGSPN0053	SISKUYOU
COPELAND DIVERSION	OR7NPP0183	DOUGLAS
COPPER CANYON	OR6NPP0128	CURRY

PROJECT NAME	SITE ID	COUNTY NAME
COPPER CR ALT	WA4NPS2631	SKAGIT
COPPER CREEK	WA5NPS0376	SKAGIT
CORAM	MT4NPS0033	FLATHEAD
CORRINE LK(SAN JOAQUIN NO 1A	CAJSPK0229	MADERA
COTTAGE GROVE	ORCNPP0406	LANE
COTTONWOOD DAM	ORCSPK9043	LAKE
COTTONWOOD RESERVOIR	UTSSPK0825	EMERY
COTTONWOOD LAKES	WY7NPW0506	LINCOLN
COUGAR	ORINPP0413	LANE
COUGAR CREEK	WA6NPP0639	CLARK
COUNTY LINE	CA6SPK0367	SACRAMENTO
COURTRIGHT RESERVOIR	CALSPK0152	FRESNO
COVE POWERHOUSE	IDJSPK0717	CARIBOU
COVERDALE	OR6NPW0464	WALLOWA
COVERED BRIDGE DAM	CA6SPK0033	BUTTE
COW CREEK POWERHOUSE	CAGSPK0421	SHASTA
COW CREEK	WA6NPS2675	OKANOGAN
COWICHE CANYON	WAANPS0460	YAKIMA
COWLITZ FALLS (RESERVOIR)	WA6NPP0704	LEWIS
COWLITZ FALLS	WA6NPP0709	LEWIS
COWLITZ FALLS (DIVERSION)	WA7NPP0703	LEWIS
COYOTE FLAT RESERVOIR	CACSPK0209	LASSEN
CRABTREE CREEK	OR4NPP2781	LINN
CRANE CREEK	IDCNPW0381	WASHINGTON
CRANE PRAIRIE DAM	ORCNPP0161	DESCHUTES
CRAWFORD RESERVOIR	COCSPK0538	DELTA
CRESCENT CREEK	OR6NPP2782	KLAMATH
CRESTA FOREBAY	CAJSPK0360	PLUMAS
CREVICE	ID6NPW0198	IDAHO
CREW CANYON	OR4NPP0129	CURRY
CROCKER DIVERSION	CACSPK0253	MERCED
CRONKS CANYON	ID6NPW0284	LEMHI
CROOKED RIVER GORGE	OR5NPP0299	JEFFERSON
CROSS CANYON	OR7NPW0456	WALLOWA
CROSS MOUNTAIN	COSSPK0635	MOFFAT
CROSS MT(JUNIPER=CROSS MOUNTA	CO6SPK9030	MOFFAT
CROSSCUT	AZKSPL0501	MARICOPA
CROW CREEK	WA5NPS0476	YAKIMA
CROW CREEK	WY6NPW0505	LINCOLN
CROWN	CA6SPK0443	TEHAMA

PROJECT NAME	SITE ID	COUNTY NAME
CRYSTAL	COSSPK0568	PITKIN
CRYSTAL DAM	COISPK9037	MONTROSE
CRYSTAL RIVER	COSSPK0569	GARFIELD
CRYSTAL SPRINGS DAM (WALLACE	WA5NPP0689	KLICKITAT
CRYSTAL TO EAST PORTAL=GUNNIS	COSSPK0643	MONTROSE
CUMTUX	ID6NPW0348	VALLEY
CUPRUM	IDSNPW0012	ADAMS
CURLEW	WA6NPS0215	FERRY
CUSHMAN DAM NO 1	WAJNPS0324	MASON
CUSHMAN RESERVOIR NO 2	WAJNPS0325	MASON
CUTLER	UTJSPK0791	BOX ELDER
D M A D	UTCSPK0843	MILLARD
DAKE RESERVOIR	NVCSPK0748	ELKO
DALE	OR6NPP0564	UMATILLA
DALLES	WA4NPS2629	SKAGIT
DAMEWOODS	OR6NPP0195	DOUGLAS
DARK CANYON	OR6NPW0398	BAKER
DAYS CREEK (CORPS OF ENGINEER	OR6NPP0177	DOUGLAS
DAYTON DAM	WA6NPW0480	COLUMBIA
DE SABLA FOREBAY	CAJSPK0054	BUTTE
DEAD HORSE HILL	WA7NPS0471	YAKIMA
DEADMAN	ID6NPW0122	CUSTER
DEADMAN CREEK	OR6NPP2679	DOUGLAS
DEADMAN FLAT	WA5NPS2647	KING
DEADWOOD	IDCNPW0029	VALLEY
DEBEQUE	CO6SPK0618	MESA
DECEPTION CREEK DIVERSION	WA4NPS0273	KING
DEEP CREEK RESERVOIR	IDCSPK0730	ONEIDA
DEEP CREEK	IDSNPW0011	ADAMS
DEEP CREEK FALLS	OR7NPP0319	LAKE
DEER CREEK DIVERSION	CACSPK0287	NEVADA
DEER CREEK POWERHOUSE	CAJSPK0310	NEVADA
DEER CREEK NO 2	CA5SPK0445	TEHAMA
DEER CREEK MEADOWS RESERVOIR	CA6SPK0448	TEHAMA
DEER CREEK	IDSNPW0257	LEMHI
DEER CREEK	OR7NPW0397	BAKER
DEER CREEK RESERVOIR	UTISPK0923	WASATCH
DEER CRK MDWS (PH NO.1)	CA5SPK0444	TEHAMA
DEER CRK NO 3	CA5SPK0446	TEHAMA
DEER CRK NO 4	CA5SPK0447	TEHAMA

PROJECT NAME	SITE ID	COUNTY NAME
DEER HORN	ID4NPW0269	LEMHI
DEER MEADOW AND BULL RUN LAKE	OR5NPP0511	MULTNOMAH
DEERHORN	OR5NPP0341	LANE
DEHAVEN	CA6SPK0449	TEHAMA
DEL AIRE RANCH	OR4NPP0491	MARION
DELABARRE CREEK	WA5NPS0242	JEFFERSON
DELLWOOD	OR7NPP2629	COOS
DEMING	WA5NPS0435	WHATCOM
DERBY CREEK TO SWEETWATER CRE	CO5SPK0553	EAGLE
DERBY DAM	NVASPK0770	STOREY
DESCHUTES MAIN CANAL MILE 46	ORENPP2814	JEFFERSON
DESCHUTES MAIN CANAL MILE 45	ORENPP2813	JEFFERSON
DETROIT	ORINPP0465	LINN
DEVIL CREEK	IDCSPK0734	ONEIDA
DEVILS CORRAL	CA6SPK0199	LASSEN
DEVILS CREEK	WA6NPP0713	LEWIS
DEVILS GATE RESERVOIR	NV6SPK0744	ELKO
DEVILS STAIRS	OR7NPP0142	CURRY
DEWEY RESERVOIR	UT6SPK0838	GRAND
DEXTER REGULATOR DAM	ORINPP0407	LANE
DIABLO DAM	WAINPS0452	WHATCOM
DIAMOND	OR6NPP0196	DOUGLAS
DIAMOND LAKE	OR5NPP0176	DOUGLAS
DICKEY	OR5NPP0015	CLACKAMAS
DICKEY BRIDGE	OR7NPP0030	CLACKAMAS
DILLARD	OR4NPP2680	DOUGLAS
DILLINGER	ID6NPW0246	IDAHO
DILLON	COCSPK0706	SUMMIT
DILLON FALLS	OR4NPP0158	DESCHUTES
DINKEY CR PH2	CA5SPK9046	FRESNO
DINKEY MEADOW RES (PH 1)	CA7SPK0139	FRESNO
DIPPING VAT	AZ6SPL0033	NAVAJO
DIPPINGVAT LAKE	CA6SPK0450	TEHAMA
DISAPPOINTMENT CREEK	WA5NPP0663	COWLITZ
DISSTON	OR6NPP2681	LANE
DONNELLS RESERVOIR	CAJSPK0507	TUOLUMNE
DORENA	ORCNPP0409	LANE
DOS RIOS	CA6SPN0023	MENDOCINO
DOTSERO TO FOREBAY SHOSHONE P	CO5SPK0544	EAGLE
DOUBLE CREEK	ID5NPW0236	IDAHO

PROJECT NAME	SITE ID	COUNTY NAME
DOUGAN CREEK	WA6NPP0740	SKAMANIA
DOWNEY CREEK #1	WA5NPS0388	SNOHOMISH
DOWNEY CREEK #1A	WA5NPS0391	SNOHOMISH
DREWS DAM	ORCSPK9042	LAKE
DRIFT CREEK	OR6NPP0418	LINCOLN
DRIFT CREEK DIVERSION	OR7NPP0419	LINCOLN
DRUM FOREBAY	CAJSPK0326	PLACER
DRY CREEK RESERVOIR	UT6SPK0848	MORGAN
DRY CREEK	WA4NPS0276	KING
DRYDEN	WAMNPS2668	CHELAN
DUCKABUSH HYDROELECTRIC	WA4NPS3213	MASON
DUCKABUSH	WA7NPS0243	JEFFERSON
DUDLEY	WA4NPS0301	KITTITAS
DUNCAN FERRY	OR6NPW0435	MALHEUR
DURANGO TO DEER CANYON	CO5SPK0610	LAPLATA
DURKEE	OR6NPW0396	BAKER
DUTCH FLAT AFTERBAY	CACSPK0296	NEVADA
DUTCH FLAT 2 FOREBAY	CAJSPK0297	NEVADA
DUTCH FLAT NO.1 POWERHOUSE	CAJSPK0336	PLACER
DUTCH GULCH RESERVOIR	CA6SPK0382	SHASTA
DWORSHAK	IDINPW0304	CLEARWATER
DYNE	UT7SPK9005	UTAH
EAGLE CREEK	OR7NPP0016	CLACKAMAS
EAGLE NEST LAKE	NMCSWA0058	COLFAX
EAGLE POINT	ORKNPP0250	JACKSON
EAGLE ROCK	ID4NPW0319	POWER
EARLY IN TAKE	CACSPK0500	TUOLUMNE
EARTHQUAKE LAKE	MTCMRO0166	MADISON
EAST AND WEST SIDES ON LINK R	ORGSPN0056	KLAMATH
EAST BRANCH DAM	COCSPK0581	GRAND
EAST CANYON RESERVOIR	UTCSPK0852	MORGAN
EAST FORK	CA4SPK0469	TULARE
EAST FORK HOOD RIVER	OR6NPP2682	HOOD RIVER
EAST FORK MILLER	WA5NPS0259	KING
EAST FORK RAINIER	WA5NPS0361	PIERCE
EAST PARK RESERVOIR	CACSPK0091	COLUSA
EAST PORTAL-GUNNISON TO RED R	CO5SPK0644	MONTROSE
EAST RIVER	CO6SPK9002	GUNNISON
EASTON	WA5NPS2656	KITTITAS
EASTON DIVERSION	WACNPS0317	KITTITAS

PROJECT NAME	SITE ID	COUNTY NAME
EATONVILLE	WA4NPS3216	PIERCE
ECHO	OR6NPP0576	UMATILLA
ECHO LAKE	WA5NPS0362	PIERCE
ECHO PARK	CO6SPK0633	MOFFAT
ECHO RESERVOIR	UTCSPK0899	SUMMIT
EDDY ROCK	WA6NPP0642	CLARK
EDERO	WA6NPS2627	WHATCOM
EDWARDS CROSSING	CA6SPK9022	NEVADA
EIGHT MILE	ID5NPW0065	BOISE
EIGHT MILE	ID6NPW0137	CUSTER
EIGHT MILE CREEK (CHEWACK)	WA6NPS0331	OKANOGAN
EIGHTMILE LAKE	WACNPS3108	CHELAN
EILEEN	ID5NPS0009	BOUNDARY
EL DORADO FOREBAY	CAJSPK0122	EL DORADO
EL DORADO	CA5SPK0101	EL DORADO
EL VADO	NMCSWA0085	RIO ARRIBA
ELBERTON	WA6NPW0490	WHITMAN
ELBOW	WY6NPW0492	LINCOLN
ELBOW CREEK	OR5NPW0438	UMATILLA
ELBOW CREEK	OR6NPW0449	WALLOWA
ELDORADO	ID5NPW0219	IDAHO
ELECTRA	CO5SPK0564	GARFIELD
ELECTRA DIVERSION	CACSPK0025	AMADOR
ELECTRA LAKE (TACOMA PH)	COJSPK0612	LAPLATA
ELECTRIC LAKE	UTCSPK0827	EMERY
ELECTRON RES	WAHNPS0370	PIERCE
ELEPHANT BUTTE RESERVOIR	NMISWA0104	SIERRA
ELEPHANT KNOB	CA4SPK9023	TULARE
ELEPHANT ROCK	OR6NPP0140	CURRY
ELIZABETH MOUNTAIN	ID5NPW0113	CLEARWATER
ELK CITY	ID7NPW0224	IDAHO
ELK CITY	OR6NPP0422	LINCOLN
ELK CREEK	OR4NPP0274	JACKSON
ELK CREEK (CORPS OF ENGINEER	OR6NPP0264	JACKSON
ELK CREEK	OR6NPP2683	TILLAMOOK
ELK CREEK	WA5NPP2806	COWLITZ
ELK LAKE	ID5NPW0050	BOISE
ELK RIVER, INTERMEDIATE	OR4NPP2684	CURRY
ELK RIVER, LOWER	OR6NPP2703	CURRY
ELK RIVER, UPPER	OR6NPP2777	CURRY

PROJECT NAME	SITE ID	COUNTY NAME
ELKHORN (DIVERSION)	OR7NPP0484	MARION
ELKHORN (RESERVOIR)	OR6NPP0485	MARION
ELLENSBURG	WAENPS0300	KITTITAS
ELSIE (PLAN A)	OR6NPP0069	CLATSOP
ELWHA DAM	WAINPS0208	CLALLAM
EMERALD LAKES	CO5SPK0608	LAPLATA
EMERY CREEK	ID5NPW0013	ADAMS
EMIGRANT DAM	ORCNPP0291	JACKSON
EMMA	CO5SPK0572	GARFIELD
ENAVILLE	ID6NPS0026	SHOSHONE
EPHRAIM NO 1 POWERHOUSE	UTGSPK0879	SANPETE
EPHRAIM NO 2 POWERHOUSE	UTMSPK0880	SANPETE
ESCALANTE RESERVOIR	UT6SPK0832	GARFIELD
EUCHRE CREEK	OR4NPP0423	LINCOLN
EUGENE	CA4SPK0436	STANISLAUS
EUGENE CREEK	OR5NPP0395	LANE
EUGENE MUNICIPAL POWER SITE N	OR6NPP2778	LANE
EUREKA RESERVOIR	NV5SPK0763	LYON
FAIRDALE LOWER	OR6NPP0616	YAMHILL
FAIRDALE UPPER	OR4NPP0624	YAMHILL
FAIRFAX	WA7NPS0364	PIERCE
FAIRHOLM	WA5NPS0205	CLALLAM
FAIRVIEW	OR6NPP0082	COOS
FALCONBERRY	ID5NPW0131	CUSTER
FALL CREEK	ID6NPW0350	VALLEY
FALL CREEK	ORCNPP0408	LANE
FALL RIVER MILLS	CA4SPK0383	SHASTA
FALLS CREEK	OR6NPP0312	JOSEPHINE
FALLS CREEK	WA7NPP0735	SKAMANIA
FALLS NUMBER 1	OR6NPP2676	LINCOLN
FANCHERS DAM	WACNPS3114	OKANOGAN
FARAD POWERHOUSE	CAMSPK0309	NEVADA
FARADAY DAM	ORHNPP0063	CLACKAMAS
FARMINGTON DAM	CACSPK0375	SAN JOAQUIN
FARMINGTON TO SHIPROCK	NM5SPK0780	SAN JUAN
FEATHER RIVER HATCHERY	CA8SPK0040	BUTTE
FEATHERVILLE	ID6NPW0155	ELMORE
FELT	ID6NPW0322	TETON
FELTZ LOWER SITE	CA6SPN0018	MENDOCINO
FERN RIDGE	ORCNPP0414	LANE

PROJECT NAME	SITE ID	COUNTY NAME
FERRY BUTTE	ID4NPW0030	BINGHAM
FIDDLERS LAKE	CA6SPK0384	SHASTA
FIFTY MILE	CO4SPK0642	MONTROSE
FINLEN	MT6NPS0060	MISSOULA
FIR TREE	OR6NPP2677	CROOK
FIRE CREEK	WY6NPW0495	LINCOLN
FIRTH	ID4NPW0036	BINGHAM
FISCHERS MILL	OR7NPP0017	CLACKAMAS
FISH CREEK DAM	ORHNPP0207	DOUGLAS
FISH CREEK	OR5NPP0031	CLACKAMAS
FISH LAKE	OR5NPP0456	LINN
FISH LAKE	OR5NPP2678	DOUGLAS
FISH LAKE DIV	WA7NPS2666	KITTITAS
FISHHAWK CREEK	OR6NPP2704	CLATSOP
FITZGERALD FALLS	ID4NPS0016	SHOSHONE
FIVE ISLANDS	ID5NPW0226	IDAHO
FIVE MILE	ID5NPW0136	CUSTER
FLAG RANCH	WY4NPW0509	TETON
FLAMING GORGE RESERVOIR	UTISPK0807	DAGGETT
FLAMING GORGE TO BACKWATER EC	UT4SPK0806	DAGGETT
FLAT IRON 1 AND2	COIMR00812	LARIMER
FLEISH POWERPLANT	NVHSPK0774	WASHOE
FLORAS CREEK	OR4NPP0130	CURRY
FOGUS	ID5NPW0067	BOISE
FOLEY RIDGE	OR6NPP0343	LANE
FOLEY SPRINGS	OR5NPP0373	LANE
FOLSOM LAKE	CAJSPK0371	SACRAMENTO
FONTENELLE RESERVOIR	WYISPK0935	LINCOLN
FONTENELLE DS TO UPPER LIMIT	WY5SPK0944	SWEETWATER
FOOT OF RAPIDS	WA4NPP0696	KLICKITAT
FORBESTOWN DIVERSION	CAJSPK0047	BUTTE
FOREST CREEK RESERVOIR	CA7SPK0063	CALAVERAS
FORKS	CA7SPK0218	MADERA
FORKS	WA4NPS0275	KING
FORKS	WA7NPS0197	CLALLAM
FORKS OF BUTTE CREEK	CA6SPK0034	BUTTE
FORKS RESERVOIR	CA6SPK0064	CALAVERAS
FORNI SOUTH FORK RESERVOIR	CA6SPK0102	EL DORADO
FORSYTHE	CA6SPN0020	MENDOCINO
FORT BENTON	MT6MR00135	CHOUTEAU

PROJECT NAME	SITE ID	COUNTY NAME
FORT MCDERMITT	NV6SPK0756	HUMBOLDT
FORTUNE CREEK	WA5NPS0310	KITTITAS
FOSTER CREEK	OR5NPP0262	JACKSON
FOSTER RESERVOIR	IDCSPK0727	FRANKLIN
FOSTER REREGULATION DAM	ORINPP0467	LINN
FOUNTAIN DAM	CO6SWA0040	PUEBLO
FOUNTAIN GREEN POWERHOUSE	UTHSPK0886	SANPETE
FOUR HUNDRED	OR6NPP0018	CLACKAMAS
FOURMILE	OR5NPP0215	GRANT
FOURMILE RAPIDS	MT6NPS0100	MINERAL
FOURTH BUTTE	CA6SPK0201	LASSEN
FOX CREEK	OR5NPP0532	TILLAMOOK
FRAILEY MTN (DEER CR)	WA5NPS0397	SKAGIT
FRANCIS LAKE	MTCMR00182	MADISON
FRANKLIN	ID5NPW0130	CUSTER
FRAZIER CREEK	MT4NPS0121	POWELL
FRED BURR DAM	MTCNPS0139	RAVALLI
FREEDOM	ID6NPW0197	IDAHO
FREEZEOUT MOUNTAIN	ID5NPW0228	IDAHO
FREEZEOUT GULCH	MT4NPS0109	MINERAL
FRENCH GLEN	OR6NPP0232	HARNEY
FRENCH PETE CREEK	OR7NPP2706	LANE
FRENCHMAN LAKE	CACSPK0352	PLUMAS
FRESNO RESERVOIR	MTCMR00148	HILL
FRIEDA	OR6NPP0588	WASCO
FRISSEL CREEK	OR6NPP2707	LANE
FROG LAKE DAM (OAK GROVE DIVE	ORHNPP0060	CLACKAMAS
FRYING PAN CREEK	OR6NPP2705	LANE
FULLER LAKE	CAJSPK0298	NEVADA
FULLER RANCH	ID6NPW0116	CUSTER
GALATIN	CA6SPK0451	TEHAMA
GALENA	OR6NPP2708	GRANT
GALES CREEK NUMBER 2A	OR6NPP2776	WASHINGTON
GALESVILLE	OR6NPP2794	DOUGLAS
GALLOWAY	ID6NPW0377	WASHINGTON
GANNS POWERHOUSE	CA7SPK0490	TUOLUMNE
GARDEN BAR	CA6SPK0282	NEVADA
GARDEN CREEK	ID6NPW0115	CUSTER
GARDEN VALLEY REREG	ID6NPW0053	BOISE
GARDEN VALLEY	ID6NPW0300	BOISE

PROJECT NAME	SITE ID	COUNTY NAME
GAS POINT (M=5)	CA6SPK0385	SHASTA
GASTON	OR6NPP2795	WASHINGTON
GATE CREEK	OR4NPP2796	LANE
GATE CREEK (CORPS OF ENGINEER	OR6NPP0338	LANE
GATEVIEW SITE	CO5SPK0597	GUNNISON
GATEWAY	ID5NPW0109	CLEARWATER
GATEWAY POWERHOUSE	UTGSPK0851	MORGAN
GENESEE	CA7SPK0343	PLUMAS
GENEVA	OR6NPP0295	JEFFERSON
GEORGE CREEK	WA5NPW2625	ASOTIN
GEORGE CULMBACK DAM	WADNPS0420	SNOHOMISH
GEORGETOWN	COIMRO0814	CLEARCREEK
GEORGETOWN LAKE DAM	MTJNPS0029	DEER LODGE
GERBER RESVERVOIR	ORCSPN0060	KLAMATH
GERLE	CACSPK0129	EL DORADO
GERRARD	CO6SWA0043	RIO GRANDE
GEYSER BASIN	WA7NPS2639	CLALLAM
GIBRALTER	CACSPL0128	SANTA BARBARA
GIBSON RESERVOIR	MTCMRO0190	TETON
GIDDINGS CREEK	WA5NPS2650	SNOHOMISH
GILMER	WA5NPP0683	KLICKITAT
GINGER PEAK	OR6NPP0533	TILLAMOOK
GIRVAN RESERVOIR COTTONWOOD P	CA7SPK0386	SHASTA
GLACIER	WA4NPS0438	WHATCOM
GLACIER VIEW	MT6NPS0052	FLATHEAD
GLEASON FLAT	AZ6SPL0517	GILA
GLEN AVON	OR6NPP0021	CLACKAMAS
GLENDALE RESERVOIR	IDCSPK0728	FRANKLIN
GLENDO RESERVOIR	WYIMRO0366	PLATTE
GLENN CREEK	OR6NPP2798	COOS
GLENWOOD	OR6NPP2799	WASHINGTON
GLENWOOD SPRINGS	CO5SPK0573	GARFIELD
GLIDE	OR6NPP0174	DOUGLAS
GLIDE CREEK	WA5NPS0250	JEFFERSON
GLINES CANYON DAM	WAINPS0207	CLALLAM
GOAT CREEK	WA5NPS0328	OKANOGAN
GODKIN CR. (GOODMAN)	WA5NPS0241	JEFFERSON
GODS VALLEY	OR7NPP0075	CLATSOP
GOLD BEACH	OR6NPP0123	CURRY
GOLD CREEK	WA5NPS2637	CLALLAM

PROJECT NAME	SITE ID	COUNTY NAME
GOLD HILL	ID7NPW0255	LATAH
GOLD HILL	OR4NPP0275	JACKSON
GOLD HILL-IDEAL CEMENT	OR6NPP0255	JACKSON
GOLD MOUNTAIN	OR6NPP2812	DOUGLAS
GOLD RAY	ORMNPP0292	JACKSON
GOLDEN GATE	CA6SPK0089	COLUSA
GOODINGS	CA6SPK0275	NAPA
GOODRICH	ID6NPW0378	WASHINGTON
GOODRICH DAM	ORHNPW0404	BAKER
GOODWIN	CACSPK0077	CALAVERAS
GOODYEARS BAR	CA5SPK0429	SIERRA
GOOSE PRAIRIE	WA6NPS2660	YAKIMA
GOOSEBERRY CREEK	ID5NPW0064	BOISE
GOOSENECKS	UT4SPK0871	SAN JUAN
GORE CANYON	CO5SPK0578	GRAND
GORE CANYON SITE TO STATE BRI	CO5SPK0579	GRAND
GORE CREEK TO LAKE CREEK	CO5SPK0547	EAGLE
GORGE	OR7NPP0518	POLK
GORGE LAKE	WAJNPS0450	WHATCOM
GRACE POWER HOUSE	IDJSPK0718	CARIBOU
GRAHAM	ID6NPW0062	BOISE
GRAND CANYON	WA6NPS0201	CLALLAM
GRAND COULEE DAM	WAINPS0223	GRANT
GRAND JEAN	ID6NPW0058	BOISE
GRAND VALLEY DIVERSION DAM	COASPK9038	MESA
GRANGE	OR6NPP0489	MARION
GRANITE CREEK RESERVOIR	CA7SPK0219	MADERA
GRANITE CREEK	ID5NPW0063	BOISE
GRANITE CREEK	MT4NPS0047	FLATHEAD
GRANITE CREEK	WY6NPW0508	TETON
GRANITE DRYAD	MT4NPS0046	FLATHEAD
GRANITE FALLS	WA5NPS0399	SNOHOMISH
GRANITE POWERHOUSE	UTGSPK0865	SALT LAKE
GRASSY LAKE	WY6NPW0534	TETON
GRAVEL BANK	WA7NPP0714	LEWIS
GRAVEL CREEK	OR6NPP0519	POLK
GRAVES CREEK	ID4NPW0035	BINGHAM
GRAY CANYON DAM SITE TO GREEN	UT5SPK0822	EMERY
GRAY CANYON	UT6SPK0836	GRAND
GRAY REEF RESERVOIR	WYAMRO0352	NATRONA

PROJECT NAME	SITE ID	COUNTY NAME
GRAYS RIVER	WA5NPP0754	WAHKIAKUM
GREEN CREEK DIVERSION	WA5NPS0443	WHATCOM
GREEN MOUNTAIN RESERVOIR	CO3SPK0705	SUMMIT
GREEN PETER	OR1NPP0466	LINN
GREEN POINT CREEK	OR4NPP2800	HOOD RIVER
GREEN RIVER	WA7NPP0664	COWLITZ
GREEN RVR TO BACKWATER JUNCTI	UT4SPK0824	EMERY
GREEN SPRINGS	OR1NPP0249	JACKSON
GREENHORN CREEK	WA6NPP0705	LEWIS
GREENWATER	WA5NPS0265	KING
GREY CLIFF	MT6MRO0187	SWEET GRASS
GREY WOLF	WA4NPS2638	CLALLAM
GRIZZLY FOREBAY	CA3SPK5003	PLUMAS
GRIZZLY GULCH	CA6SPK0035	BUTTE
GROSS DAM ONE	CO1MRO0032	BOULDER
GROUNDHOG	CO2SPK0540	DOLORES
GROWLER RAPIDS	ID6NPW0203	IDAHO
GUADALUPE	NM6SWA0090	SANDOVAL
GUERNSEY	WY1MRO0367	PLATTE
GUINDA	CA6SPK0519	YOLO
GUNNISON BEND	UT2SPK0875	SANPETE
GUNNISON RIVER TO DEWEY SITE	CO4SPK0617	MESA
GYPSUM	CO5SPK0546	EAGLE
H V EASTMAN LAKE (BUCHANAN DA	CA2SPK0235	MADERA
HAILEY	ID5NPW0038	BLAINE
HAIWEE	CA1SPL0076	INYO
HALFWAY	ID5NPW0359	VALLEY
HALFWAY	OR5NPW0400	BAKER
HALL HILL	OR6NPP0216	GRANT
HALO CREEK	OR5NPP0375	LANE
HALSEY FOREBAY	CA3SPK0327	PLACER
HAMAKER	OR6NPP0197	DOUGLAS
HAMMA HAMMA	WA7NPS0322	MASON
HARD KINDY	WA4NPS0381	SKAGIT
HARDIN FLAT RESERVOIR	CA6SPK0491	TUOLUMNE
HARDY	MT6MRO0128	CASCADE
HARRY L ENGLEBRIGHT LAKE	CA6SPK0530	YUBA
HARVARD	ID6NPW0611	LATAH
HARVEY CREEK	OR5NPP0396	LANE
HAT CREEK NO.1 PH	CA1SPK0214	LASSEN

PROJECT NAME	SITE ID	COUNTY NAME
HAT CREEK NO 2 DIVERSION	CA1SPK0412	SHASTA
HAUSER LAKE	MT1MRO0157	LEWIS AND CLAR
HAY FLAT	ID4NPW0245	IDAHO
HAYDEN BRIDGE	OR5NPP0330	LANE
HAYES RESERVOIR	UT6SPK9012	UTAH
HAYNES STELLITE	ID5NPW0285	LEMHI
HAZARD	ID5NPW0243	IDAHO
HEAD BOX CANYON	WA5NPP0684	KLICKITAT
HEADGATE ROCK	AZ2SPL0072	YUMA
HEART MOUNTAIN	WY1MRO0831	PARK
HEATH RESERVOIR	CA2SPK0212	LASSEN
HEBER POWERHOUSE	UT4SPK0920	WASATCH
HEBGEN RESERVOIR	MT2MRO0143	GALLATIN
HECLA MINE	ID1NPS2612	SHOSHONE
HEINZE	MT6NPS0126	LEWIS AND CLAR
HELLS CANYON	ID1NPW0017	ADAMS
HENRY CREEK	OR5NPP0050	CLACKAMAS
HENSLEY LAKE (HIDDEN DAM)	CA2SPK0236	MADERA
HERON RESERVOIR	NM2SWA0084	RIO ARRIBA
HETCH HETCHY RSVR(OSHAUGHNESS	CA1SPK0503	TUOLUMNE
HICKERSON PARK	UT6SPK0805	DAGGETT
HICKS	OR6NPP2685	WHEELER
HIDDEN LAKE	ID5NPW0232	IDAHO
HIGH BLISS	ID4NPW0189	GOODING
HIGH BRIDGE AGNES CREEK	WA4NPS0183	CHELAN
HIGH COW	MT6MRO0126	BLAINE
HIGH MOUNTAIN SHEEP	OR6NPW0454	WALLOWA
HIGHLAND	CA6SPK0065	CALAVERAS
HILLS CREEK	OR1NPP0412	LANE
HINKLE	OR6NPP2686	DOUGLAS
HIRAM A. CHITTENDEN LOCKS	WA1NPS0292	KING
HITE COVE	CA6SPK0239	MARIPOSA
HOBBLE CREEK POWERHOUSE	UT4SPK1355	UTAH
HOFFSTADT CREEK	WA7NPP0665	COWLITZ
HOG ISLAND	ID4NPW0294	NEZ PERCE
HOH BOW	WA6NPS0248	JEFFERSON
HOLLEY (CORPS OF ENGINEERS)	OR6NPP0443	LINN
HOLLYWOOD	OR6NPP0534	TILLAMOOK
HOLMAN CREEK	ID4NPW0129	CUSTER
HOLMAN CREEK	OR6NPP0420	LINCOLN

PROJECT NAME	SITE ID	COUNTY NAME
HOLTER	MT1MR00156	LEWIS AND CLAR
HOMESTAKE CREEK	CO5SPK0552	EAGLE
HOMESTEAD GULCH	OR6NPP2687	JACKSON
HOMLY	OR5NPP0562	UMATILLA
HONEYSUCKLE	OR6NPP2688	DOUGLAS
HOOD ST. RES/MCMILLAN RES	WAENPS3117	PIERCE
HOOGIE DOOGIE	OR6NPP0609	WHEELER
HOPE VALLEY RESERVOIR	CA7SPK9014	ALPINE
HORSE CREEK(STORAGE)	OR6NPP0397	LANE
HORSE CREEK DIVERSION	OR5NPP0345	LANE
HORSE MESA	AZ1SPL0027	MARICOPA
HORSE MESA PUMPED STORAGE	AZLSPL0509	MARICOPA
HORSE RANCH	OR5NPW0443	UNION
HORSE SHOE FALLS	WA6NPP0643	CLARK
HORSEFLY CREEK	CO5SPK0696	SAN MIGUEL
HORSEFLY SITE TO MOUTH	CO5SPK0697	SAN MIGUEL
HORSESHOE RESERVOIR	AZCSPL0070	YAVAPAI
HORSESHOE BEND	ID6NPW0051	BOISE
HORSESHOE BEND	OR7NPP0167	DOUGLAS
HORSESHOE BEND	WA6NPS0463	YAKIMA
HORSETHIEF BASIN	IDCNPW0371	VALLEY
HORSETOOTH RESERVOIR	COCMR00082	LARIMER
HOT SPRINGS	CO5SPK0655	PITKIN
HOT SPRINGS	OR5NPP0476	MARION
HOT SPRINGS	OR7NPP0583	WASCO
HOUR HOUSE	CACSPK0305	NEVADA
HOWARD HANSON DAM	WADNPS0290	KING
HOWARDS FORK	CO5SPK0690	SAN MIGUEL
HOWARDSVILLE	CO7SPK0685	SAN JUAN
HOWE	ID5NPW0083	BUTTE
HOWSON BELOW BIG SALMON - FER	WA5NPS0308	KITTITAS
HOYE CANYON RESERVOIR	NV6SPK0740	DOUGLAS
HUALAPAI HYDRO PROJECT	AZ6SPL0510	MOJAVE
HUCKLEBERRY CREEK (MILE 6.7)	OR7NPP0374	LANE
HUCKLEBERRY	WA5NPS0360	PIERCE
HUCKLEBERRY	WA5NPS2665	KITTITAS
HULEN LAKE	CA6SPK0387	SHASTA
HUMBUG CR PUMPED STORAGE PROJ	CA9SPK9033	TUOLUMNE
HUMBUG VALLEY	CA6SPK0344	PLUMAS
HUMPHREY RANCH	OR6NPP0217	GRANT

PROJECT NAME	SITE ID	COUNTY NAME
HUNGRY CREEK	MT4NPS0053	FLATHEAD
HUNGRY HORSE DAM	MT1NPS0055	FLATHEAD
HUNT GULCH	OR6NPP2689	GRANT
HUNTER LAKE	CA6SPK0452	TEHAMA
HUNTER RESERVOIR	WADNPS3101	STEVENS
HUNTERS RESERVOIR	CAJSPK0083	CALAVERAS
HUNTINGTON LAKE NO 1	CAJSPK0157	FRESNO
HUNTINGTON NORTH RESERVOIR	UTCSPK0830	EMERY
HUTSON SCHOOL	CA4SPK0368	SACRAMENTO
HYDRO (MURRAY) POWERPLANT	UTHSPK0866	SALT LAKE
HYLTON RESERVOIR	NV6SPK0743	ELKO
HYRUM RESERVOIR	UT1SPK0800	CACHE
ICE HARBOR LOCK AND DAM	WAGNPW0488	WALLA WALLA
ICE HOUSE RESERVOIR	CACSPK0125	EL DORADO
IDAHO DIVERSION	IDENPW0606	JEFFERSON
ILLABOT CR	WA5NPS0379	SKAGIT
IMNAHA	OR5NPW0462	WALLOWA
IMPERIAL DIVERSION	CACSPL0073	IMPERIAL
INDIAN COVE	ID4NPW0140	ELMORE
INDIAN CREEK RESERVOIR	CA6SPK0103	EL DORADO
INDIAN CREEK	OR6NPP2716	GRANT
INDIAN FALLS	CA5SPK0345	PLUMAS
INDIAN JOHN	OR6NPP0513	MULTNOMAH
INDIAN OLE DAM (MTN MEADOWS R	CAJSPK0206	LASSEN
INDIAN POINT	ID6NPW0153	ELMORE
INDIAN VALLEY RESERVOIR	CACSPK0186	LAKE
INDIAN VALLEY	CA6SPK0430	SIERRA
INDIANOLA	ID6NPW0265	LEMHI
INGALLS	CA7SPK0492	TUOLUMNE
INSKIP POWERHOUSE	CAGSPK0465	TEHAMA
INTERBAY	CAJSPK0333	PLACER
INTERMEDIATE LOST CREEK	UT6SPK0850	MORGAN
IRISH HILL RESERVOIR	CA6SPK0015	AMADOR
IRON CANYON RESERVOIR	CAJSPK0417	SHASTA
IRON CANYON	CA6SPK0453	TEHAMA
IRON GATE	CAGSPN0052	SISKIYOU
IRON MOUNTAIN	OR6NPP0190	DOUGLAS
IRVING	AZGSPL0506	YAVAPAI
ISABELLA LAKE	CACSPK0180	KERN
ISLAND PARK	IDCNPW0182	FREMONT

PROJECT NAME	SITE ID	COUNTY NAME
IVERS PEAK	OR6NPP2717	COOS
JACK CREEK 5/(CIRCLE M RANCH)	ORMNPP0294	JEFFERSON
JACK KNIFE	OR6NPP0527	SHERMAN
JACKASS	CA7SPK0220	MADERA
JACKS CREEK	OR7NPP0298	JEFFERSON
JACKSON CR	CACSPK0028	AMADOR
JACKSON HOLE	WY6NPW0518	TETON
JACKSON LAKE	WYCNPW0535	TETON
JACKSON MEADOWS	CACSPK0293	NEVADA
JAMES H. TURNERISAN ANTONIO'	CACSPN0003	ALAMEDA
JAP HOLLOW	OR6NPP2783	WASCO
JARBIDGE	ID5NPW0310	OWYHEE
JEFFERSON CANYON	MT6MRO0149	JEFFERSON
JEFFERSON CREEK	OR7NPP0296	JEFFERSON
JEMEZ CANYON DAM	NMCSWA0091	SANDOVAL
JENKINSON LAKE (SLYPARK DAM)	CACSPK0136	EL DORADO
JEREMY POINT	UT6SPK0892	SUMMIT
JERRY CREEK NO 1	COCSPK0625	MESA
JERRY JOHNSON	ID5NPW0215	IDAHO
JESUS MARIA	CA7SPK0066	CALAVERAS
JOE WEST DAM	OR6NPW0440	UMATILLA
JOES VALLEY RESERVOIR	UTCSPK0831	EMERY
JOHN DAY	ORINPP0529	SHERMAN
JOHN MARTIN RESERVOIR	COCSWA0003	BENT
JOHNS CREEK	ID5NPW0220	IDAHO
JOHNSON	OR6NPP0218	GRANT
JOHNSON CREEK	ID7NPW0088	CAMAS
JOHNSON CREEK	WA4NPP0655	COWLITZ
JOHNSON CREEK	WA5NPP0715	LEWIS
JONESVILLE	CA6SPK9015	BUTTE
JORDAN	OR5NPP0535	TILLAMOOK
JORDAN	OR6NPP2784	LINN
JORDAN	WA4NPS0398	SNOHOMISH
JORDANELLE RESERVOIR	UT6SPK9011	WASATCH
JOY	MT6NPS0063	GRANITE
JOY CREEK	WY7NPW0528	TETON
JUDGE FRANCIS CARR POWERHOUSE	CAHSPK1439	SHASTA
JUDKINS	ID5NPW0323	TETON
JUNCTION RESERVOIR	CAJSPK0126	EL DORADO
JUNCTION RESERVOIR	CA7SPK0141	FRESNO

PROJECT NAME	SITE ID	COUNTY NAME
JUNCTION (FAIRVIEW)	CA7SPK0471	TULARE
JUNIPER	CO6SPK0634	MOFFAT
JUNIPER CANYON	ID6NPW0307	OWYHEE
JUREANO	ID5NPW0278	LEMHI
J.C.BOYLE	ORGSPN0055	KLAMATH
KACHESS LAKE	WACNPS0314	KITTITAS
KALAMA	WA7NPP0666	COWLITZ
KAMIAH	ID4NPW0287	LEWIS
KANAKA	CA6SPK0388	SHASTA
KANAKA RAPIDS	ID4NPW0610	GOODING
KANER FLAT	WA5NPS0474	YAKIMA
KATKA	ID5NPS0024	BOUNDARY
KAWEAH NO 2 POWERHOUSE	CAHSPK0479	TULARE
KAWEAH NO.1 POWERHOUSE	CAHSPK0480	TULARE
KAWEAH NO.3 POWERHOUSE	CAHSPK0481	TULARE
KEECHELUS LAKE	WACNPS0315	KITTITAS
KELLERS RANCH	CA6SPK0142	FRESNO
KELLEYS-SMITH FERRY	OR6NPP0169	DOUGLAS
KELLOGG	OR6NPP0168	DOUGLAS
KELLY FORK	ID6NPW0103	CLEARWATER
KELLYS THUMB	ID7NPW0112	CLEARWATER
KELSEYVILLE LAKE	CA6SPK0187	LAKE
KELSO	WA5NPP0667	COWLITZ
KEMMER NO 1 RES	WYCSPK0934	LINCOLN
KENDALL	WY7SPK0937	SUBLETTE
KENDRICK	ID6NPW0254	LATAH
KENNEDY FLATS	CA6SPK0188	LAKE
KENNEDY MEADOWS	CA6SPK0493	TUOLUMNE
KENNEY	ID5NPW0281	LEMHI
KENO	ORASPN0057	KLAMATH
KERBY	OR6NPP2627	JOSEPHINE
KERCKHOFF DIVERSION	CAJSPK0231	MADERA
KERN CANYON PH	CAHSPK0179	KERN
KERN RIVER STATE PARK LAKE	CACSPK0177	KERN
KERN RIVER NO. 1	CAHSPK0176	KERN
KERN RIVER NO.3 POWERHOUSE	CAHSPK0178	KERN
KERR	MTJNPS0078	LAKE
KERRS RANCH	WY6NPW0519	TETON
KESWICK RESERVOIR	CAISPK0424	SHASTA
KETCHUM	ID5NPW0039	BLAINE

PROJECT NAME	SITE ID	COUNTY NAME
KEYHOLE	OR6NPP0536	TILLAMOOK
KEYSTONE RESERVOIR	NV6SPK0777	WHITE PINE
KID VALLEY	WA6NPP0654	COWLITZ
KILARC POWERHOUSE	CA8SPK0422	SHASTA
KILCHIS	OR7NPP0558	TILLAMOOK
KIMBERLY	ID4NPW0249	JEROME
KING	ID7NPW0149	ELMORE
KINKY CREEK	WY7NPW0526	TETON
KITER CREEK	OR5NPP0257	JACKSON
KLICKITAT RESERVOIR	WA7NPP0757	YAKIMA
KNIGHTS FERRY	CA6SPK0437	STANISLAUS
KNIGHTS VALLEY	CA6SPN0042	SONOMA
KNOB	AZ7SPL0514	GILA
KNOWLES	MT7NPS0146	SANDERS
KNOX	ID6NPW0363	VALLEY
KOOSKIA	ID6NPW0101	CLEARWATER
KOOTENAI FALLS	MT4NPS0087	LINCOLN
KOOTENAI RIVER	MT4NPS0088	LINCOLN
KORTES RESERVOIR	WYIMRO0319	CARBON
L L ANDERSON	CAJSPK0331	PLACER
LA GRANDE RESERVOIR	WAJNPS0367	PIERCE
LA GRANGE RESERVOIR	CAISPK0439	STANISLAUS
LAHONTAN RESERVOIR	NVISPK0737	CHURCHILL
LAIRD	ID6NPW0612	LATAH
LAKE ALMANOR	CAJSPK0359	PLUMAS
LAKE ALTA	CA8SPK0328	PLACER
LAKE BRANCH 1	OR4NPP2731	HOOD RIVER
LAKE BRANCH 2	OR4NPP2732	HOOD RIVER
LAKE BRITTON (PIT NO 3 DAM)	CAJSPK0409	SHASTA
LAKE CACHUMA-BRADBURY	CA8SPL1408	SANTA BARBARA
LAKE CATAMOUNT	CO8SPK0684	ROUTT
LAKE CHELAN	WAJNPS0184	CHELAN
LAKE COMO	MT8NPS0138	RAVALLI
LAKE CREEK TO RED CANYON	CO5SPK0548	EAGLE
LAKE CREEK	ID5NPW0040	BLAINE
LAKE CREEK DAM	MTHNPS0095	LINCOLN
LAKE CREEK NUMBER 1	OR5NPP2735	DOUGLAS
LAKE CREEK NUMBER 3	OR5NPP2736	DOUGLAS
LAKE CREEK DS	OR7NPP2734	DOUGLAS
LAKE CREEK	WA4NPS2632	WHATCOM

PROJECT NAME	SITE ID	COUNTY NAME
LAKE CRESCENT	WA5NPS0204	CLALLAM
LAKE CROWLEY LONG VALLEY	CA8SPL0095	MONO
LAKE DAVIS (GRIZZLY VALLEY)	CA8SPK0354	PLUMAS
LAKE DOROTHY	WA7NPS0412	SNOHOMISH
LAKE ELEANOR	CA8SPK0501	TUOLUMNE
LAKE ENNIS	MTIMRO0165	MADISON
LAKE ESTES	COIMRO0084	LARIMER
LAKE FORDYCE	CA8SPK0299	NEVADA
LAKE FORK	CO5SPK0607	HINSDALE
LAKE GRANBY	CO8SPK0584	GRAND
LAKE ISABELL	WA7NPS0409	SNOHOMISH
LAKE KAWEAH-TERMINUS DAM	CA8SPK0485	TULARE
LAKE LAURANCE DAM	ORCNPP0248	HOOD RIVER
LAKE MCCLOUD	CA8SPK0416	SHASTA
LAKE MCCLURE (NEW EXCHEQUER D	CAJSPK0245	MARIPOSA
LAKE OSWEGO CORP HYDRO	ORGNPP0056	CLACKAMAS
LAKE PILLSBURY (SCOTT)	CA0SPN0011	LAKE
LAKE POWELL TO UPPER MOAB	UT5SPK0869	SAN JUAN
LAKE ROSLYN DAM (BULL RUN)	ORJNPP0059	CLACKAMAS
LAKE SPAULDING	CAISPK0300	NEVADA
LAKE TABEAUD	CAJSPK0023	AMADOR
LAKE THOMAS A EDISON (VERMILL	CA8SPK0160	FRESNO
LAKE VALLEY	CA8SPK0330	PLACER
LAKEPORT LAKE	CA6SPK0189	LAKE
LAKES	WA5NPP0759	YAKIMA
LAKES AREA DIVERSION	OR5NPP0399	LANE
LAMOILLE POWER PLANT	NV2SPK0750	ELKO
LAMONT MEADOW	CA6SPK0472	TULARE
LAMONT RESERVOIR	IDCSPK0724	FRANKLIN
LANDMARK	ID4NPW0358	VALLEY
LANGDON CREEK	WA6NPP0668	COWLITZ
LANGLOIS	OR7NPP0143	CURRY
LAPWAI	ID4NPW0296	NEZ PERCE
LARABEE	CA6SPN0009	HUMBOLDT
LAVA HOT SPRINGS	ID6NPW0025	BANNOCK
LAVA ISLAND	OR5NPP0156	DESCHUTES
LAVA RESERVOIR	ID7SPK0715	CARIBOU
LAVERNE,LOWER	OR6NPP2737	COOS
LAVERNE,UPPER	OR6NPP2738	COOS
LEABURG DAM	ORHNPP0416	LANE

PROJECT NAME	SITE ID	COUNTY NAME
LEACOCK	ID5NPW0279	LEMHI
LEADER LAKE	WACNPS3102	OKANOGAN
LEAVENWORTH	WA5NPS0170	CHELAN
LEAVITT	CA7SPK0271	MONO
LEBANON	ORGNPP0435	LINN
LELAND GLEN	ID6NPS0027	SHOSHONE
LEMHI	ID5NPW0283	LEMHI
LEMOLO NUMBER 1	ORJNPP0205	DOUGLAS
LEMOLO NUMBER 2 FOREBAY	ORJNPP0209	DOUGLAS
LEMON RESERVOIR	COCSPK0613	LAPLATA
LENORE	ID6NPW0291	NEZ PERCE
LEROY ANDERSON DAM	CACSPN0040	SANTA CLARA
LEWIS	CA6SPK0221	MADERA
LEWIS	ID5NPW0118	VALLEY
LEWIS CREEK	OR6NPP0276	JACKSON
LEWIS LAKE	WY5NPW0530	TETON
LEWISVILLE	OR6NPP2739	POLK
LEXINGTON RESERVIOR	CACSPN0039	SANTA CLARA
LIBBY DAM	MTINPS0096	LINCOLN
LIBBY REREG	MT4NPS0089	LINCOLN
LILY LANDS	COCSPK0699	SAN MIGUEL
LILY PARK	CO6SPK0632	MOFFAT
LIME CR	WA6NPS0213	FERRY
LIME CREEK	CO7SPK0687	SAN JUAN
LIME CREEK	ID5NPW0157	ELMORE
LIME SADDLE POWERHOUSE	CAHSPK0058	BUTTE
LIMEKILN	CA4SPK0473	TULARE
LINCOLN	CA6SPK0320	PLACER
LINCOLN GULCH	COSSPK0661	PITKIN
LINNEY	OR7NPP0024	CLACKAMAS
LITTLE BRIDGE CREEK	WA7NPS0330	OKANOGAN
LITTLE BUTTE CREEK	OR5NPP2669	JACKSON
LITTLE DRY CREEK	CA6SPK0143	FRESNO
LITTLE FALLS DAM	WAGNPS0319	LINCOLN
LITTLE GOOSE LOCK AND DAM	WAGNPW0482	COLUMBIA
LITTLE GRASS VALLEY	CACSPK0355	PLUMAS
LITTLE HOGBACK	MT4NPS0066	GRANITE
LITTLE KERN	CA6SPK9016	TULARE
LITTLE KLICKITAT	WA5NPP0685	KLICKITAT
LITTLE LOST	WA5NPS2641	CLALLAM

PROJECT NAME	SITE ID	COUNTY NAME
LITTLE MINAM	OR5NPW0455	WALLOWA
LITTLE NESTUCCA RIVER	OR6NPP0543	TILLAMOOK
LITTLE NESTUCCA RIVER (DIVERS	OR7NPP0544	TILLAMOOK
LITTLE SMOKEY	ID5NPW0087	CAMAS
LITTLE WICKIUP	ID5NPW0134	CUSTER
LITTLE WOOD	IDCNPW0047	BLAINE
LIVINGSTON	AZ6SPL0513	GILA
LJ STEPHENSON (M,FK) PH	CAHSPK0337	PLACER
LOBO	CO6SPK0630	MINERAL
LOCKHART	OR6NPP2740	COOS
LOCKIT	OR6NPP0584	WASCO
LOCKWOOD	ID5NPW0242	IDAHO
LOG JAM	WA5NPS0247	JEFFERSON
LOG POND	OR5NPP0458	LINN
LOGAN CITY	UTHSPK0799	CACHE
LOLO PASS	ID7NPW0114	CLEARWATER
LONG CREEK	MT4NPS0045	FLATHEAD
LONG CREEK	OR4NPP2741	GRANT
LONG CREEK	OR6NPP0258	JACKSON
LONG GULCH	ID6NPW0144	ELMORE
LONG LAKE	WAINPS0318	LINCOLN
LONG MEADOWS	MT6NPS0094	LINCOLN
LONG TOM	ID6NPW0261	LEMHI
LONG VALLEY	CA6SPK0203	LASSEN
LOOKOUT BUTTE	ID5NPW0171	FREMONT
LOOKOUT CREEK	OR6NPP0400	LANE
LOOKOUT POINT	ORINPP0410	LANE
LOOKOUT POINT 2 (UPPER LOOKOU	OR6NPP0344	LANE
LOON LAKE	CAJSPK0131	EL DORADO
LOON LAKE DIVERSION	OR7NPP0170	DOUGLAS
LORDS RESERVOIR	CA6SPK0494	TUOLUMNE
LOST CREEK	CAJSPK0045	BUTTE
LOST CREEK	ID5NPW0159	ELMORE
LOST CREEK	ORINPP0293	JACKSON
LOST CREEK	OR5NPP0401	LANE
LOST CREEK RESERVOIR	UTCSPK0853	MORGAN
LOST CREEK	WA5NPS0266	PIERCE
LOST PONY CR	MT4NPS0128	POWELL
LOTTIS CR TO CRYSTAL CR	COSSPK0590	GUNNISON
LOW GUFFEY	ID4NPW0003	ADA

PROJECT NAME	SITE ID	COUNTY NAME
LOW MAPLETON	OR6NPP0346	LANE
LOWER AFTON	WYNNPW0499	LINCOLN
LOWER AUSTIN POINT	OR6NPP2742	CLACKAMAS
LOWER BASIN	MT6MR00141	GALLATIN
LOWER BEAR RIVER	CAJSPK0026	AMADOR
LOWER BEAR WALLOW	CO5SPK0563	GARFIELD
LOWER BIG SHEEP	WA5NPS0429	STEVENS
LOWER BUCKS LAKE (BUCKS DIVER	CA0SPK0362	PLUMAS
LOWER CANYON	ID6NPW0292	NEZ PERCE
LOWER CANYON CREEK	MT5NPS0050	FLATHEAD
LOWER CANYON	WA4NPS0233	GRAYS HARBOR
LOWER CLACKAMAS	OR4NPP0010	CLACKAMAS
LOWER CLACKAMAS/CLEAR CREEK	OR7NPP0009	CLACKAMAS
LOWER COTTONWOOD (M=1)	CA6SPK0389	SHASTA
LOWER DEER FLAT	IDENPW0093	CANYON
LOWER EAGLE CREEK	OR5NPW0390	BAKER
LOWER FABER	WA4NPS0375	SKAGIT
LOWER FAIRVIEW POWERHOUSE	UTMSPK0882	SANPETE
LOWER FALLS	OR5NPP2743	LINN
LOWER FLASH DAM	OR6NPP2744	COOS
LOWER GRANDE RONDE DAM	OR6NPW0444	UNION
LOWER GRANITE LOCK AND DAM	WAGNPW0483	COLUMBIA
LOWER HELL HOLE	CACSPK0332	PLACER
LOWER HIDDEN MOUNTAIN DAM	NM6SWA0107	SOCORRO
LOWER LARABEE FLATS	UT6SPK0893	SUMMIT
LOWER LINCOLN CANYON	MT6NPS0122	POWELL
LOWER LYRE	WA5NPS0203	CLALLAM
LOWER MALAD	IDHNPW0188	GOODING
LOWER MEADOW CREEK	ID5NPW0233	IDAHO
LOWER MOLINA PH	COHSPK0629	MESA
LOWER MONROE POWERHOUSE	UTGSPK0890	SEVIER
LOWER MONUMENTAL DAM	WAGNPW0487	WALLA WALLA
LOWER MOUNT PLEASANT POWERHOU	UTHSPK0881	SANPETE
LOWER NEW IDAHO FALLS	IDGNPW0070	BONNEVILLE
LOWER PINE CREEK	ID5NPW0074	BONNEVILLE
LOWER PITT TAYLOR RESERVOIR	NVCSPK0768	PERSHING
LOWER QUEETS	WA6NPS0253	JEFFERSON
LOWER RIMROCK DAM	WACNPS0209	DOUGLAS
LOWER ROCK CREEK	UT5SPK0811	DUCHESNE
LOWER RUSH BEDS	ID4NPW0068	BONNEVILLE

PROJECT NAME	SITE ID	COUNTY NAME
LOWER SALMON FALLS	IDGNPW0336	TWIN FALLS
LOWER SAUK	WA7NPS0377	SKAGIT
LOWER SCRIVER	ID7NPW0052	BOISE
LOWER SCRIBNER	MT4NPS0159	SANDERS
LOWER SITE	WA6NPS3121	SNOHOMISH
LOWER STRAWBERRY POWERHOUSE	UTHSPK0914	UTAH
LOWER SUIATTLE	WA5NPS0378	SKAGIT
LOWER TRAPPER CR	MT4NPS0131	RAVALLI
LOWER TULE POWERHOUSE	CAHSPK0482	TULARE
LOWER WHITE CHUCK	WA5NPS0392	SNOHOMISH
LOWER WILLOW CREEK	MTCNPS0070	GRANITE
LOWER YAAK CANYON	MT6NPS0090	LINCOLN
LUCERNE	ID5NPW0333	TWIN FALLS
LUCERNE RAILROAD CREEK	WA5NPS0182	CHELAN
LUCIA FALLS	WA7NPP0640	CLARK
LUCKY PEAK	IDCNPW0009	ADA
LUNDY LAKE	CAISPL0098	MONO
LYMAN	WA5NPS0254	JEFFERSON
LYONS	CACSPK9041	TUOLUMNE
LYONS	OR6NPP0444	LINN
LYONS (PHOENIX PH)	CAJSPK0510	TUOLUMNE
LYRE RIVER HYDRO	WA5NPS3218	CLALLAM
MACKAY	IDCNPW0139	CUSTER
MAGIC	IDCNPW0046	BLAINE
MAGRUDER	ID5NPW0239	IDAHO
MAHOGANY	OR6NPW0416	MALHEUR
MALHEUR DAM	ORCNPW0430	MALHEUR
MAMMOTH POOL RESERVOIR	CAJSPK0161	FRESNO
MANITOU SPRINGS HYDROPLANT	COISWA5001	EL PASO
MANN CREEK	IDCNPW0385	WASHINGTON
MANTI POWERHOUSE	UTGSPK0883	SANPETE
MANZANITA LK(SAN JOAQUIN NO 2	CAJSPK0232	MADERA
MAPLE FALLS	WA5NPS0436	WHATCOM
MAPLETON RESERVOIR	ID6SPK0713	FRANKLIN
MARBLE POINT	ID5NPW0221	IDAHO
MARION INVESTMENT	ORMNPP2730	MARION
MARIPOSA DAM	CACSPK0249	MARIPOSA
MARMOT	OR5NPP0025	CLACKAMAS
MARSH CREEK DAM	ID4NPW0026	BANNOCK
MARSING	ID4NPW0090	CANYON

PROJECT NAME	SITE ID	COUNTY NAME
MARTIN CREEK	WA4NPS0271	KING
MARTIN CREEK DIVERSION	WA5NPS0272	KING
MARTIS CREEK LAKE	CA6SPK0311	PLACER
MARVINE CREEK TO MOUTH	CO5SPK0669	RIO BLANCO
MARYS LAKE	CO1MR00083	LARIMER
MARYSVILLE LAKE (PARKS BAR SI	CA6SPK0523	YUBA
MASON DAM	ORCNPW0406	BAKER
MATHEWS	CA6SPL0104	RIVERSIDE
MAUPIN	OR7NPP0585	WASCO
MAYFIELD DAM	WAGNPP0728	LEWIS
MCCALLISTER	CA6SPK0204	LASSEN
MCCREEDY CREEK	WA7NPP0740	YAKIMA
MCDERMITT CREEK RESERVOIR	NV6SPK0755	HUMBOLDT
MCDONALD	MTCNPS0081	LAKE
MCDONALD	WA5NPS0200	CLALLAM
MCFARLAND CREEK	WA6NPS2673	OKANOGAN
MCKAY DAM	ORCNPP0579	UMATILLA
MCKEE BRIDGE	OR6NPP0266	JACKSON
MCKENZIE CANYON	WA6NPS0181	CHELAN
MCKENZIE BRIDGE (DOWNSTREAM)	OR5NPP0347	LANE
MCKENZIE BRIDGE (UPSTREAM)	OR5NPP2719	LANE
MCLAUGHLIN FALLS	WA5NPS0344	OKANOGAN
MCLOUGHLIN	OR5NPW0418	MALHEUR
MCMINNVILLE DAM 4=C	ORCNPP0638	YAMHILL
MCNAMARA	MT4NPS0113	MISSOULA
MCNARY LOCK AND DAM	ORINPW0441	UMATILLA
MCPHEE DAMSITE	COCSPK0637	MONTEZUMA
MCSWAIN RESERVOIR	CA1SPK0246	MARIPOSA
MEADOW CREEK	ID5NPW0210	IDAHO
MEADOW CREEK	ID7NPS0011	BOUNDARY
MEADOW CREEK GORGE	MT5NPS0038	FLATHEAD
MEADOW LAKE	OR5NPP2811	TILLAMOOK
MEADOW MOUNTAIN	MT4NPS0039	FLATHEAD
MEADOW VALLEY	CA7SPK0346	PLUMAS
MEADOWS LOWER DROP	WA5NPP0747	SKAMANIA
MEADOWS UPPER DROP	WA7NPP0748	SKAMANIA
MEDICINE CREEK	WA4NPS0306	KITTITAS
MEDICINE LODGE	ID7NPW0099	CLARK
MEEKS CABIN RESERVOIR	WYCSPK1327	UINTA
MEHAMA	OR5NPP0477	MARION

PROJECT NAME	SITE ID	COUNTY NAME
MEHAMA DIVERSION	OR5NPP0473	MARION
MEHAMA NUMBER 2	OR5NPP0445	LINN
MERCED FALLS	CA1SPK0255	MERCED
MERCER DAM	ORCNPP0525	POLK
MESA CREEK	OR5NPP0348	LANE
MESA FALLS	ID5NPW0172	FREMONT
METOLIUS BENCH	OR6NPP0297	JEFFERSON
MEXICAN BEND	UT5SPK0823	EMERY
MEYERS COVE	ID7NPW0275	LEMHI
MEYERS FALLS RESERVOIR	WAJNPS0430	STEVENS
MI 5,9 REREG	WA5NPS2654	KING
MICHIGAN BAR	CA6SPK0105	EL DORADO
MIDDLE BAR RESERVOIR	CA6SPK0016	AMADOR
MIDDLE BIG MUDDY	WA5NPP0686	KLICKITAT
MIDDLE DEER FLAT	IDENPW0092	CANYON
MIDDLE END RESERVOIR	CA6SPK0106	EL DORADO
MIDDLE FALLS(KOOSAH)	OR5NPP0459	LINN
MIDDLE FORK	CACSPK0080	CALAVERAS
MIDDLE FORK	CA6SPK0475	TULARE
MIDDLE FORK MILE 10	WA4NPS0280	KING
MIDDLE SULTAN	WA5NPS0406	SNOHOMISH
MID=1	CA6SPK9017	SHASTA
MILE NINE	OR4NPP0540	TILLAMOOK
MILE 11.7	WA6NPS0278	KING
MILE 12.5	OR4NPP0541	TILLAMOOK
MILE 19 1/4	WA6NPS2674	OKANOGAN
MILE 32.2	WA4NPS0374	SKAGIT
MILE 4.7 TO MOUTH	CO5SPK0571	GARFIELD
MILE 5	MT4NPS0091	LINCOLN
MILE 56	OR6NPP0349	LANE
MILE 6.7	OR6NPP0332	LANE
MILE 72	OR7NPW0442	UNION
MILE 74=81	WA5NPS0298	SKAGIT
MILE 77	MT6NPS0041	FLATHEAD
MILE 9 TO MILE 4.7	CO5SPK0542	EAGLE
MILE 9.2	WA5NPS2648	PIERCE
MILL CITY	OR4NPP2721	MARION
MILL CITY DIVERSION (RIGHT BA	OR5NPP2722	MARION
MILL CREEK	CA6SPK0144	FRESNO
MILL CREEK	OR5NPP0178	DOUGLAS

PROJECT NAME	SITE ID	COUNTY NAME
MILL CREEK BELOW FORKS RESERV	UT0SPK0835	GRAND
MILL CREEK DAM	WA0NPW2674	WALLA WALLA
MILL MEADOW	UTCSPK0927	WAYNE
MILL POND DAM	WANNPS0349	PEND OREILLE
MILL SITE	UTCSPK9047	EMERY
MILLER BRIDGE	CA7SPK0223	MADERA
MILLER FORKS	WA5NPS0258	KING
MILLERTON LAKE (FRIANT DAM)	CACSPK0165	FRESNO
MILLERTON (FRIANT-KERN CANAL	CACSPK9026	FRESNO
MILLERTON (MADERA CANAL)	CACSPK9027	FRESNO
MILLS DIVERSION	MT5NPS3202	SANDERS
MILLSITE	UTCSPK0828	EMERY
MILLTOWN	MTGNPS0117	MISSOULA
MILLVILLE LAKE	CA6SPK0392	SHASTA
MILLVILLITO	CA6SPK0393	SHASTA
MILNER BYPASS A	IDENPW0602	TWIN FALLS
MILNER BYPASS B	IDENPW0603	TWIN FALLS
MILNER LAKE	IDCNPW0253	JEROME
MILNER-GOODING BIG DROP	IDENPW0604	LINCOLN
MINERAL CREEK ARCH DAM	AZCSPL0018	PINAL
MINERS RANCH RESERVOIR	CAJSPK0049	BUTTE
MINER'S CREEK	WA5NPP0716	LEWIS
MINIDOKA	IDINPW0290	MINIDOKA
MINK CREEK RESERVOIR	ID7SPK0711	FRANKLIN
MINTO	OR6NPP0446	LINN
MINTURN TO GORE CREEK	CO5SPK0550	EAGLE
MISSION	OR6NPP0563	UMATILLA
MOAB RESERVOIR	UT6SPK0837	GRAND
MOCCASIN CREEK POWERHOUSE	CAHSPK0516	TUOLUMNE
MOCCASIN LOWER	CACSPK0502	TUOLUMNE
MODESTO RESERVOIR	CACSPK1378	STANISLAUS
MOHAWK	OR6NPP2723	LANE
MOHAWK NUMBER 1	OR6NPP2724	LANE
MOIESE	MT4NPS0072	LAKE
MONITOR	WA5NPS0169	CHELAN
MONROE	ID4NPW0028	BINGHAM
MONROE STREET DAM	WAHNPS0426	SPOKANE
MONTGOMERY	CA6SPK0252	MERCED
MONTICELLO DAM (LAKE BERRYESS	CACSPK5001	NAPA
MONTOUR VALLEY	ID4NPW0183	GEM

PROJECT NAME	SITE ID	COUNTY NAME
MONUMENT	OR6NPP0219	GRANT
MOODY	OR6NPP0586	WASCO
MOON LAKE	UTCSPK0820	DUCHESNE
MOON LAKE	UT7SPK0813	DUCHESNE
MOORES VALLEY	OR6NPP0625	YAMHILL
MOOSE CREEK	ID6NPW0205	IDAHO
MORAN BAY	WY5NPW0529	TETON
MORGAN LAKE	NMCSPK0783	SAN JUAN
MORMON FLAT	AZISPL0028	MARICOPA
MORMON FLAT PUMPED STORAGE	AZLSPL0508	MARICOPA
MORONY	MTGMRO0132	CASCADE
MORRIS	CACSPL0092	LOS ANGELES
MORRISON CREEK	MT7NPS0049	FLATHEAD
MORROW POINT RESERVOIR	COJSPK0648	MONTROSE
MORTON	WA6NPP0717	LEWIS
MOSBY CREEK	OR6NPP2726	LANE
MOSSYROCK DAM	WAINPP0727	LEWIS
MOUNTAIN DELL	UTCSPK0864	SALT LAKE
MOUNTAIN SHEEP REREGULATING P	OR6NPW0453	WALLOWA
MOUNTAIN SPRINGS POWERHOUSE	UTGSPK0884	SANPETE
MOWICH NO 1	WA5NPS0352	PIERCE
MOWICH NO 1A	WA5NPS0358	PIERCE
MOYIE CANYON	ID6NPS0010	BOUNDARY
MOYIE FALLS DAM	IDHNPS0012	BOUNDARY
MT SOPRIS	CO5SPK0653	PITKIN
MUD MOUNTAIN	WA0NPS0291	KING
MUDDY CREEK DAM	ORCSPK9044	LAKE
MUDDY FORK	WA5NPP0718	LEWIS
MULE HOOF	AZ7SPL0516	GILA
MULHOLLAND CREEK	WA7NPP0669	COWLITZ
MURPHY	OR6NPP0314	JOSEPHINE
MURPHYS FOREBAY	CACSPK0082	CALAVERAS
MURTAUGH	IDENPW0337	TWIN FALLS
MYRICK	MT6NPS0125	MISSOULA
MYRTLE CREEK,UPPER	OR4NPP2728	COOS
MYRTLE CREEK LOWER (MYRTLE CR	OR6NPP0088	COOS
MYSTIC LAKE	MTIMRO0186	STILLWATER
M-2	CA6SPK0390	SHASTA
N F SNOQUALMIE	WA6NPS3204	KING
NACHES DROP	WAKNPS0482	YAKIMA

PROJECT NAME	SITE ID	COUNTY NAME
NACHES HYDRO.	WA4NPS0481	YAKIMA
NACHES MEADOWS DIVERSION	WA5NPS2662	YAKIMA
NACIEMENTO	CA6SPK0028	SAN LUIS OBISP
NAMAR	OR5NPW0419	MALHEUR
NARROWS	WA6NPW0469	ASOTIN
NARROWS	WY6NPW0504	LINCOLN
NASHVILLE RESERVOIR	CA7SPK0017	AMADOR
NAVAJO DAM TO FARMINGTON	NM5SPK0779	SAN JUAN
NAVAJO RESERVOIR	NM6SPK0782	SAN JUAN
NAVAJO RIVER TO NAVAJO RESERV	CO5SPK0533	ARCHULETA
NEAL CREEK	OR6NPP2745	HOOD RIVER
NEEDLE	CO5SPK0688	SAN JUAN
NEHALEM FALLS-LOW	OR6NPP0537	TILLAMOOK
NEHALEM FALLS-HIGH	OR6NPP0538	TILLAMOOK
NELSON	WA5NPS0304	KITTITAS
NELSON POINT	CA6SPK0347	PLUMAS
NEMOTE	MT4NPS0105	MINERAL
NESTUCCA RIVER-USDA	OR4NPP2747	TILLAMOOK
NEVADA CREEK	MTCNPS0130	POWELL
NEW BRIDGE	OR5NPW0389	BAKER
NEW BULLARDS BAR	CAJSPK0528	YUBA
NEW DON PEDRO	CAJSPK0509	TUOLUMNE
NEW DRUM AFTERBAY	CAC8PK5002	NEVADA
NEW FORK LAKE RES	WYCSPK0940	SUBLETTE
NEW HOGAN LAKE	CAC8PK0086	CALAVERAS
NEW MELONES	CAISPK5000	CALAVERAS
NEW YORK CANAL	IDENPW0605	ADA
NEWHALEM CREEK	WAHNPS0456	WHATCOM
NEWSOME CREEK	IDSNPW0208	IDAHO
NEZ PERCE	OR6NPW0451	WALLOWA
NF SNOQUALMIE W/ REREG AT ERN	WA6NPS3205	KING
NF SNOQUALMIE LOWER SITE	WA6NPS3208	KING
NF SNOQUALMIE PIPELINE POWERP	WA7NPS3207	KING
NIAGARA	OR5NPP0478	MARION
NIAGARA CR	ID4NPS0022	SHOSHONE
NICHOLS	OR4NPP2748	LANE
NIGHTHAWK ALT	WA6NPS2621	OKANOGAN
NIGHTHAWK	WA6NPS2622	OKANOGAN
NIMBUS (LAKE NATOMA)	CAISPK0372	SACRAMENTO
NIMROD (DEER CREEK)	OR6NPP2749	LANE

PROJECT NAME	SITE ID	COUNTY NAME
NINE FOOT CREEK (GULER)	WA5NPP0697	SKAMANIA
NINE MILE RESERVOIR	WAGNPS0427	SPOKANE
NINEMILE PRAIRIE	MT6NPS0114	MISSOULA
NISQUALLY	WA4NPS0353	PIERCE
NO NAME	WA5NPP0670	COWLITZ
NOLIN	OR6NPP0577	UMATILLA
NOOKSACK	WAHNPS0455	WHATCOM
NOOKSACK FALLS	WA6NPS2625	WHATCOM
NOON	OR6NPP0005	BENTON
NORTH FORK LAKE	CAC8PK0338	PLACER
NORTH FORK MOKELUMNE RIVER	CA6SPK0069	CALAVERAS
NORTH FORK DAM	ORINPP0062	CLACKAMAS
NORTH FORK FLORAS CREEK LOWER	OR4NPP0124	CURRY
NORTH FORK NUMBER 1	OR5NPP0402	LANE
NORTH FORK NUMBER 2	OR5NPP2751	LANE
NORTH FORK	OR6NPP0027	CLACKAMAS
NORTH FORK	OR6NPP2750	LANE
NORTH FORK TILTON	WA5NPP0720	LEWIS
NORTH FORK.	WA6NPS2626	WHATCOM
NORTH FORK	WA7NPP0719	LEWIS
NORTH FORK SAUK	WA7NPS0394	SNOHOMISH
NORTH JUNCTION	OR6NPP0595	WASCO
NORTH RIVER	WA4NPS3214	PACIFIC
NORTH RIVER	WA6NPS0345	PACIFIC
NORTH SANTIAM	OR5NPP0479	MARION
NORWEGIAN GULCH RESERVOIR	CA6SPK0241	MARIPOSA
NOWHERE MEADOWS (DIVERSION)	OR5NPP0052	CLACKAMAS
NOWHERE MEADOWS (RESERVOIR)	OR6NPP0051	CLACKAMAS
NOWLIN CREEK	WY5NPW0525	TETON
NOXON RAPIDS DAM	MTINPS0161	SANDERS
NOYES	CA6SPK0190	LAKE
N=1	OR6NPP0066	CLATSOP
N=2	OR6NPP0067	CLATSOP
N=4 SALMONBERRY	OR6NPP0068	TILLAMOOK
OAK BROOK	OR6NPP0587	WASCO
OAK CREEK	OR6NPP0171	DOUGLAS
OAK SPRINGS	OR4NPP2628	WASCO
OAKLEY	IDCNPW0098	CASSIA
OCHOCO DAM	ORCNPP0119	CROOK
ODELL LAKE	OR5NPP0317	KLAMATH

PROJECT NAME	SITE ID	COUNTY NAME
OHANA	WA6NPP0721	LEWIS
OLD COW	CA6SPK0395	SHASTA
OLD MAID FLAT	OR5NPP0053	CLACKAMAS
OLD TIMER	ID5NPW0247	IDAHO
OLIVER RANCH	OR6NPP0220	GRANT
OLLALA CREEK	OR6NPP2752	DOUGLAS
OLMSTED POWERHOUSE	UTHSPK0915	UTAH
ONEIDA NARROWS RESERVOIR	IDJSPK0723	FRANKLIN
ONEIDA NARROWS OR MINK	ID6SPK0721	FRANKLIN
ONEILL FOREBAY	CAISPK0258	MERCED
ONYX	CA7SPK0174	KERN
ORIENT BARSTOW	WA6NPS0214	FERRY
OROFINO	ID4NPW0104	CLEARWATER
OROGRANDE	ID5NPW0111	CLEARWATER
OROVILLE	WA4NPS0334	OKANOGAN
OROVILLE DAM	CAISPK0041	BUTTE
ORTING	WA7NPS0357	PIERCE
OSO	WA4NPS0396	SNOHOMISH
OURAY NO 2	CO5SPK0650	OURAY
OURAY NO 1	CO5SPK0651	OURAY
OURAY NO.3	CO5SPK0652	OURAY
OURAY PH	CONSPK0615	LAPLATA
OUTLET CREEK DIVERSION	WA5NPP0687	KLICKITAT
OUTLET CREEK RESERVOIR	WA6NPP0688	KLICKITAT
OWEN MOUNTAIN RESERVOIR	CA6SPK0146	FRESNO
OWENS DAM	CAASPK0250	MARIPOSA
OWHI LAKE DAM	WACNPS3105	OKANOGAN
OWYHEE DAM	ORCNPW0433	MALHEUR
OXBOW	IDINPW0018	ADAMS
OXBOW BEND	ID6NPW0056	BOISE
OXBOW (WEATHERWAX)	WA6NPS0235	GRAYS HARBOR
OSNEIL RESERVOIR	CA6SPK9018	CALAVERAS
PACKERS GULCH	OR5NPP0438	LINN
PACKWOOD DAM	WAJNPP0726	LEWIS
PADDOCK VALLEY	IDCNPW0383	WASHINGTON
PAGGE	CA6SPK0321	PLACER
PAHSIMEROI	ID6NPW0266	LEMHI
PAIN DAM	CA6SPK0455	TEHAMA
PAINTED ROCKS DAM AND RES.	MTCNPS0137	RAVALLI
PALISADE TO MOUTH OF GUNNISON	CO5SPK0619	MESA

PROJECT NAME	SITE ID	COUNTY NAME
PALISADES (GRAND VALLEY) PH	COHSPK0628	MESA
PALISADES	IDINPW0080	BONNEVILLE
PALISADES LAKES	ID5NPW0076	BONNEVILLE
PALO CEDRO RESERVOIR	CA6SPK0396	SHASTA
PANDO	CO5SPK0551	EAGLE
PANTHER CREEK	OR5NPP0080	COOS
PAONIA RESERVOIR	COCSPK0605	GUNNISON
PAPE DAM	CA6SPK0456	TEHAMA
PAPER CABIN	CA5SPK0495	TUOLUMNE
PARADISE	MT6NPS0153	SANDERS
PARADISE	OR6NPP0333	LANE
PARADISE FALLS	WA7NPP0737	SKAMANIA
PARAGONAH	UTHSPK0858	PIUTE
PARDEE RESERVOIR	CAISPK0019	AMADOR
PARIS POWER PLANT	IDHSPK0710	BEARLAKE
PARK CREEK PH	CA5SPK9040	EL DORADO
PARK CREEK RESERVOIR	CA7SPK0107	EL DORADO
PARK JUNCTION ELBE	WA5NPS0354	PIERCE
PARK JUNCTION 2	WA5NPS2645	PIERCE
PARK JUNCTION 1	WA5NPS2646	PIERCE
PARKS-SCOTT	ID5NPW0356	VALLEY
PARTRIDGE CREEK	ID5NPW0179	FREMONT
PASKENTA	CA6SPK0457	TEHAMA
PASKENTA	CA6SPK0458	TEHAMA
PASTURE	ID4NPW0152	ELMORE
PATAHA	WA7NPW0476	COLUMBIA
PATEROS	WA7NPS2672	OKANOGAN
PATHFINDER RESERVOIR	WYIMRO0353	NATRONA
PATSVILLE	NV6NPW0386	ELKO
PATTERSON	OR7NPP0447	LINN
PATTERSON (UPPER)	OR7NPP0448	LINN
PATTERSON LAKE DAM	WACNPS3113	OKANOGAN
PAYSON POWERHOUSE	UTGSPK0916	UTAH
PEACE VALLEY	ID7NPW0366	VALLEY
PEAK CREEK	OR7NPP2785	BENTON
PEARRYGIN	WA4NPS3115	OKANOGAN
PEASE BRIDGE	OR6NPP2786	JOSEPHINE
PEDEE	OR6NPP0524	POLK
PELKEY	OR6NPP0011	CLACKAMAS
PELTIER CREEK TO MOUTH	CO5SPK0671	RIO BLANCO

PROJECT NAME	SITE ID	COUNTY NAME
PELTON DAM	ORINPP0305	JEFFERSON
PELTON REGULATING DAM	ORCNPP0304	JEFFERSON
PENNY CLIFFS	ID4NPW0216	IDAHO
PERDUE	OR6NPP2787	DOUGLAS
PERDUE RESERVOIR	OR6NPP0172	DOUGLAS
PERMA	MT6NPS0147	SANDERS
PERRINE	ID5NPW0330	TWIN FALLS
PESCADERO	CA6SPN0030	SAN MATEO
PESHASTIN	WA5NPS2669	CHELAN
PETES VALLEY	CA6SPK0205	LASSEN
PETTIBONE	ID6NPW0237	IDAHO
PHELPS LAKE	WY5NPW0524	TETON
PI PI	CA6SPK0108	EL DORADO
PICKERAL LODGE	MT4NPS0134	RAVALLI
PICKLE MEADOWS	CA6SPK0272	MONO
PICTURE CREEK	MT4NPS0040	FLATHEAD
PICTURE GORGE (DAYVILLE)	OR6NPP0214	GRANT
PIGEON SPRINGS	WA5NPP0671	COWLITZ
PILCHUCK	WA4NPS0403	SNOHOMISH
PILEUP CREEK	WA6NPS2661	YAKIMA
PILOT BUTTE RESERVOIR	WYCMRO0328	FREMONT
PINCHOT	ID6NPW0207	IDAHO
PINE CREEK	OR6NPP0040	CLACKAMAS
PINE FLAT LAKE	CACSPK0164	FRESNO
PINECREST LAKE (STRAWBERRY LA	CACSPK0511	TUOLUMNE
PINEDALE POWER PLANT	WYHSPK0943	SUBLETTE
PINEVIEW RESERVOIR	UTCSPK0931	WEBER
PINNACLE FALLS	ID6NPW0196	IDAHO
PIONEER POWERHOUSE	UTHSPK0928	WEBER
PISTOL	OR6NPP0126	CURRY
PIT FOUR RESERVOIR	CAJSPK0410	SHASTA
PIT NO 1 FOREBAY	CAJSPK0413	SHASTA
PIT NO 5 DIVERSION	CACSPK0418	SHASTA
PIT NO 6 RESERVOIR	CAJSPK0414	SHASTA
PIT NO 7 RESERVOIR	CAJSPK0415	SHASTA
PIT NO.2	CASSPK0397	SHASTA
PIUTE	UTCSPK0855	PIUTE
PLACERVILLE	COSSPK0692	SAN MIGUEL
PLAIN	WA6NPS0171	CHELAN
PLAINS	MT4NPS0152	SANDERS

PROJECT NAME	SITE ID	COUNTY NAME
PLANT NO 2	NM6SWA0076	RIO ARRIBA
PLANT NO 1	NM6SWA0075	RIO ARRIBA
PLANT NO 3	NM6SWA0077	RIO ARRIBA
PLATEAU	MT4NPS0110	MINERAL
PLEASANT VALLEY	CAISPL0078	INYO
PLEASANT VALLEY	OR6NPW0414	WALLOWA
PLEASANT VALLEY	WA7NPS0473	YAKIMA
PLUM CREEK RESERVOIR	CA7SPK0109	EL DORADO
PLUM CREEK PH (ALDER DAM)	CA7SPK9039	EL DORADO
POCATELLO	ID5NPW0024	BANNOCK
POE FOREBAY	CAJSPK0053	BUTTE
POISON CREEK	ID5NPW0075	BONNEVILLE
POLE MILL	COIMRO0813	LARIMER
PONDEROSA DIVERSION	CACSPK0048	BUTTE
PONDS LODGE	IDGNPW0168	FREMONT
PORCUPINE	ID6NPW0259	LEMHI
PORCUPINE	UTCSPK0797	CACHE
PORCUPINE CREEK	WY6NPW0496	LINCOLN
PORPHYRY	ID6NPW0200	IDAHO
PORTAL POWERHOUSE FOREBAY	CAJSPK1411	FRESNO
PORTER	OR4NPP2788	GRANT
PORTLAND AVE RES/MCMILLAN RES	WAENPS3118	PIERCE
POSO	CA4SPK0175	KERN
POST	OR6NPP2801	CROOK
POST FALLS	IDINPS0013	KOOTENAI
POT HOOK RESERVOIR	CO6SPK0631	MOFFAT
POTHOLES EAST CANAL 66.0 PH	WAENPS0216	FRANKLIN
POTHOLES EAST CANAL 22.7 PH	WAENPS0217	FRANKLIN
POTHOLES E. CANAL HEADWORKS P	WAENPS0228	GRANT
POTLATCH	ID5NPW0256	LATAH
POVERTY FLAT	ID5NPW0362	VALLEY
POWELL	ID5NPW0231	IDAHO
POWERDALE	ORHNPP0244	HOOD RIVER
POWERS	OR7NPP0115	COOS
PRADO DAM	CACSPL9998	RIVERSIDE
PREACHER RAPIDS	WA5NPS0255	JEFFERSON
PRESS VALLEY	WA7NPS0202	CLALLAM
PRICE	WA4NPS0441	WHATCOM
PRIEST LAKE NEW OUTLET CONTRO	ID5NPS0006	BONNER
PRIEST LAKE	ID6NPS3013	BONNER

PROJECT NAME	SITE ID	COUNTY NAME
PRIEST NO.4	ID4NPS0005	BONNER
PRIEST NO.6	ID7NPS0004	BONNER
PRIEST RAPIDS RESERVOIR	WA1NPS0220	GRANT
PRIEST RESERVOIR	CA6SPK0504	TUOLUMNE
PRIEST RIVER	ID4NPS0003	BONNER
PROSPECT NO.1	ORHNPP0251	JACKSON
PROSPECT NO 2	ORHNPP0252	JACKSON
PROSPECT NO 3	ORHNPP0253	JACKSON
PROSPECT NO4	ORHNPP0254	JACKSON
PROSPECTOR CREEK	ID4NPS0020	SHOSHONE
PROSSER CREEK RESERVOIR	CA6SPK0313	NEVADA
PUEBLO DAM	CO6SWA0042	PUEBLO
PUNGO	ID6NPW0125	CUSTER
PUTAH CREEK CANYON	CA6SPK9019	LAKE
PYRAMID	CA6SPL0080	LOS ANGELES
QUARTZ BLUFF	ID4NPS0021	SHOSHONE
QUARTZ CREEK	MT4NPS0106	MINERAL
QUARTZ CREEK	OR6NPP0350	LANE
QUARTZ CREEK	WA6NPP0744	SKAMANIA
QUARTZ HILL	CA6SPK0037	BUTTE
QUIGLEY	MT6NPS0061	GRANITE
QUINAULT	WA5NPS0256	JEFFERSON
QUINAULT LK	WA4NPS0232	GRAYS HARBOR
QUINCY SCHOOL	CA4SPK0477	TULARE
QUINN SPRINGS	MT4NPS0154	SANDERS
RAILROAD FLAT	CA7SPK0071	CALAVERAS
RAINBOW	MTGMRO0160	CASCADE
RALSTON AFTERBAY	CA1SPK0334	PLACER
RAMEY FALLS	OR6NPP0316	JOSEPHINE
RAMSEY RESERVOIR	CA6SPK0072	CALAVERAS
RAMSHORN	WY4NPW0520	TETON
RANCHERIA	CA6SPK9020	GLENN
RANDOLPH	CA7SPK0431	SIERRA
RANGELY	CO6SPK0674	RIO BLANCO
RAPID RIVER	WA4NPS0415	SNOHOMISH
RASPBERRY	ID6NPW0145	ELMORE
RAT LAKE DAM	WACNPS3112	OKANOGAN
RATTLESNAKE	ID4NPW0272	IDAHO
RATTLESNAKE	WA7NPS0462	YAKIMA
RAYS FERRY	WA4NPW0470	ASOTIN

PROJECT NAME	SITE ID	COUNTY NAME
REACH FROM S F TO TROUT CR RE	WA5NPS0176	CHELAN
REBEL CREEK	OR7NPP0378	LANE
RECLAMATION	OR5NPP0580	WASCO
RED BLUFF DIVERSION	CA6SPK0467	TEHAMA
RED CANYON	CO5SPK0567	GARFIELD
RED CANYON	ID5NPW0308	OWYHEE
RED CREEK	WY5NPW0531	TETON
RED HILLS	WY5NPW0516	TETON
RED HORSE	ID7NPW0225	IDAHO
RED MOUNTAIN	WA5NPS0312	KITTITAS
RED ROCK TO NORTH FORK	CO5SPK0645	MONTROSE
REDLANDS PH	CO6SPK0627	MESA
REDSTONE	CO7SPK0654	PITKIN
REDWOOD	OR6NPP0127	CURRY
REDWOOD VALLEY	CA6SPN0019	MENDOCINO
REED	ID7NPW0361	VALLEY
REESE CREEK	OR5NPP0281	JACKSON
REICHIE	MT6MRO0162	MADISON
REICHLE	MT6MRO0117	BEAVERHEAD
RELIEF RESERVOIR	CA6SPK0512	TUOLUMNE
RENNIE	OR6NPP2755	LANE
RENO	ID5NPW0084	BUTTE
REREG SEE WA7NPS3205.	WA5NPS3206	KING
RESERVOIR NO 22	COCMRO0029	BOULDER
RESERVOIR NUMBER TWO	OR7NPW0420	MALHEUR
RICHLAND	OR5NPW0391	BAKER
RIDDLE	OR6NPP0164	DOUGLAS
RIDGWAY RES	CO6SPK9005	OURAY
RIFLE GAP RESERVOIR	CO6SPK0576	GARFIELD
RIO BLANCO RIVER TO NAVAJO RI	CO5SPK0532	ARCHULETA
RIO GRANDE	COCSWA0025	HINSDALE
RIRIE	IDCNPW0081	BONNEVILLE
RISLEY	ID6NPW0267	LEMHI
RITTER CREEK	OR5NPP0282	JACKSON
RIVER MILL DAM	ORINPP0064	CLACKAMAS
RIVERSIDE	OR5NPW0409	MALHEUR
ROARING FORK TO CANYON CREEK	CO4SPK0565	GARFIELD
ROARING RIVER	OR5NPP0403	LANE
ROBBS PEAK	CAHSPK0130	EL DORADO
ROBE	WA7NPS0400	SNOHOMISH

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PROJECT NAME	SITE ID	COUNTY NAME
ROSE ALT	WA6NPS2635	SNOHOMISH
ROBINSON	ID5NPW0177	FREMONT
ROBINSON BAR	ID6NPW0121	CUSTER
ROCK CREEK	CAJSPK0361	PLUMAS
ROCK CREEK	CA6SPK0348	PLUMAS
ROCK CREEK TO DERBY CREEK	CO5SPK0556	EAGLE
ROCK CREEK	ID6NPW0102	CLEARWATER
ROCK CREEK	ORHNPW0388	BAKER
ROCK CREEK	OR6NPP0078	COOS
ROCK CREEK	OR7NPP0165	DOUGLAS
ROCK CREEK	UT6SPK0808	DUCHESNE
ROCK CREEK	WA4NPS0464	YAKIMA
ROCK ISLAND POOL	WAINPS0188	CHELAN
ROCK POINT	OR4NPP0265	JACKSON
ROCKHOUSE	CA6SPK0478	TULARE
ROCKPORT LAKE	UTISPK0900	SUMMIT
ROCKY BROOK (DOSEWALIPS)	WA7NPS0246	JEFFERSON
ROCKY CANYON	ID7NPW0049	VALLEY
ROCKY POINT	MT6MRO0136	FERGUS
ROCKY POINT-LOW	OR4NPP0380	LANE
ROCKY POINT CLEAR CREEK	OR6NPP0077	COLUMBIA
ROCKY POINT-HIGH	OR6NPP0379	LANE
ROCKY REACH	WAINPS0189	CHELAN
ROGERS CANYON	OR5NPW0439	UMATILLA
ROLLINS	CAISPK0294	NEVADA
RONDOWA	OR6NPW0448	WALLOWA
ROOD	ID5NPW0277	LEMHI
ROOSEVELT PUMPED STORAGE	AZFSPL0507	GILA
ROOSEVELT	AZISPL0020	GILA
ROSEBURG	OR4NPP2769	DOUGLAS
ROSEWOOD LAKE	CA6SPK0459	TEHAMA
ROSLYN	WA5NPS0307	KITTITAS
ROSS	CA7SPK0147	FRESNO
ROSS HIGH DAM	WAJNPS0451	WHATCOM
ROUND BUTTE DAM	ORINPP0306	JEFFERSON
ROUND VALLEY	CA6SPK0261	MODOC
ROUND VALLEY	ID4NPW0010	ADAMS
ROZA	WAHNPS0485	YAKIMA
RUBY RESERVOIR	MTCMRO0163	MADISON
RUCH	OR6NPP0267	JACKSON

PROJECT NAME	SITE ID	COUNTY NAME
RUCKLES	OR7NPP0166	DOUGLAS
RUEDI DAMSITE TO MILE 9	CO5SPK0541	EAGLE
RUEDI RESERVOIR	COCSPK0665	PITKIN
RUGGED CREEK	ID5NPW0244	IDAHO
RUNNING CREEK	ID5NPW0212	IDAHO
RUSSIAN RIVER RESERVOIR COYOT	CACSPN0024	MENDOCINO
RUTH DAM	CACSPN0051	HUMBOLT
RUTH DIVERSION	WA4NPS0445	WHATCOM
RUXTON PARK HYDROPLANT	COISWA5000	EL PASO
RYAN	MTGMRO0130	CASCADE
RYAN CREEK	OR6NPP0560	UMATILLA
RYE PATCH RESERVOIR	NVCSPK0769	PERSHING
SAELTZER LAKE	CA6SPK0398	SHASTA
SALEM	OR5NPP0502	MARION
SALMON	ID6NPW0258	LEMHI
SALMON	OR7NPP2670	LINCOLN
SALMON CREEK	ID6NPW0107	CLEARWATER
SALMON CREEK	OR5NPP0352	LANE
SALMON FALLS	CA6SPK0110	EL DORADO
SALMON FALLS (ALTERNATE PLAN)	CA7SPK0112	EL DORADO
SALMON FALLS	IDCNPW0334	TWIN FALLS
SALMON LK DAM (CONCONULLY LK)	WACNPS3106	OKANOGAN
SALMON VALLEY	ID5NPW0280	LEMHI
SALMONBERRY	OR6NPP0072	CLATSOP
SALMONBERRY	OR6NPP0180	DOUGLAS
SALT CAVES	OR6SPN0050	KLAMATH
SALT CREEK	OR7NPW0393	BAKER
SALT LAKE CITY POWERPLANT	UTGSPK1358	SALT LAKE
SALT SPRINGS RESERVOIR	CAISPK0022	AMADOR
SALTADO DAM SITE	CO4SPK0694	SAN MIGUEL
SALTADO DS TO MCKENZIE CREEK	CO5SPK0695	SAN MIGUEL
SALT-SALMON CREEK	OR5NPP0382	LANE
SALZMAN (M=3)	CA6SPK0399	SHASTA
SAM CREEK	OR6NPP0432	LINCOLN
SAN ANTONIO	CARSPN0026	MONTEREY
SAN CLEMENTE	CA6SPN0025	MONTEREY
SAN GABRIEL	CACSPL0091	LOS ANGELES
SAN JOAQUIN P.H. NO. 3 FOREBA	CAJSPK0230	MADERA
SAN JUAN POWER GENERATION RES	NMCSPK0786	SAN JUAN
SAN LUIS RESERVOIR	CAJSPK0259	MERCED

PROJECT NAME	SITE ID	COUNTY NAME
SAND BAR	CA7SPK0496	TUOLUMNE
SAND PRAIRIE	OR6NPP0353	LANE
SANDY CREEK	WA5NPS3215	WHATCOM
SANTA FELICIA	CACSPL0133	VENTURA
SAPPHIRE	MT4NPS3201	GRANITE
SAVAGE RAPIDS DIVERSION	ORGNPP0287	JACKSON
SAVE CREEK	WA4NPS0234	GRAYS HARBOR
SAVERY RESERVOIR	WY6SPK0932	CARBON
SAWMILL	ID5NPW0158	ELMORE
SAWMILL	OR6NPP0186	DOUGLAS
SAWMILL SITE	OR6NPP2770	LINN
SAWPIT	CO5SPK0691	SAN MIGUEL
SCAB CREEK	WA6NPS2659	YAKIMA
SCARFACE BURNT	MT5NPS0119	POWELL
SCATTER CREEK	WA4NPS0311	KITTITAS
SCHAFER MEADOW	MT6NPS0048	FLATHEAD
SCHOENFIELD	CA6SPK0461	TEHAMA
SCHOOLIE	OR6NPP0590	WASCO
SCOFIELD	UTCSPK0804	CARBON
SCOTT CREEK	ID7NPW0340	VALLEY
SCOTT CREEK DAM	OR4NPP2772	LANE
SCOTT MOUNTAIN	OR6NPP0424	LINCOLN
SCOTTS FLAT	CACSPK0292	NEVADA
SCOTTS MILLS	OR6NPP0492	MARION
SCOTTS RESERVOIR	CA6SPK0073	CALAVERAS
SCOTTSBURG	OR6NPP0187	DOUGLAS
SEARS CR	WA5NPS0179	CHELAN
SEC 19 TO GAUGE STA 30 MEEKER	CO5SPK0673	RIO BLANCO
SEC 27 T2N R89W TO LOST SOLAR	CO5SPK0670	RIO BLANCO
SECESH	ID6NPW0355	VALLEY
SECTION 10 DIVERSION	WA7NPP2804	LEWIS
SEEKAY	OR6NPP0520	POLK
SELLECK	WA5NPS0260	KING
SELVESTER	CA7SPK0400	SHASTA
SEMINOE RESERVOIR	WYIMR00320	CARBON
SENATOR WASH (RESERVOIR)	CAISPL5001	IMPERIAL
SEPARATION CREEK	OR5NPP0404	LANE
SEQUOIA	CA6SPN0008	HUMBOLDT
SEVEN MILE RAPIDS	MT4NPS0099	MINERAL
SEVEN STREAMS	WA5NPS0356	PIERCE

PROJECT NAME	SITE ID	COUNTY NAME
SEVIER BRIDGE	UTCSPK0842	JUAB
SEXTON	OR6NPP2773	JOSEPHINE
SHANKERS BEND	WA6NPS0421	OKANOGAN
SHASTA LAKE	CAISPK0425	SHASTA
SHAVER LAKE	CAJSPK0158	FRESNO
SHEEP CAMP	CA6SPK0432	SIERRA
SHEEP CREEK	ID5NPW0241	IDAHO
SHEEP CREEK	ID6NPW0306	OWYHEE
SHEEP CREEK	WA6NPS0332	OKANOGAN
SHEEP FALLS	ID5NPW0169	FREMONT
SHEEPEATER C/O SHOUP	ID5NPW0264	LEMHI
SHEEPEATER NO 1	ID5NPW0349	VALLEY
SHEEPEATER NO 2	ID6NPW0262	LEMHI
SHELLROCK (HIGH ROCK)	OR5NPP0037	CLACKAMAS
SHERAR FALLS	OR7NPP0592	WASCO
SHIPROCK NM TO UPPER LIMIT BL	NM5SPK0781	SAN JUAN
SHOSHONE FALLS	IDGNPW0251	JEROME
SHOSHONE LAKE RES	WYIMR00325	FREMONT
SHOSHONE PH	COHSPK0577	GARFIELD
SHOUP	ID6NPW0263	LEMHI
SHUKSAN	WA7NPS0440	WHATCOM
SIEGEL	MT4NPS0101	SANDERS
SILVER CREEK	ID5NPW0209	IDAHO
SILVER CREEK DAM	ORCNPP2809	MARION
SILVER CREEK	WA5NPP2807	LEWIS
SILVER CREEK	WA5NPS2651	SNOHOMISH
SILVER FALLS	WA7NPP0707	LEWIS
SILVER FORK PH	CA7SPK0113	EL DORADO
SILVER JACK RESEROVIR	COCSPK0606	GUNNISON
SILVER KING RESEVOIR	CA6SPK0004	ALPINE
SILVER LAKE WITH CASTLE ROCK	WA7NPP0652	COWLITZ
SILVER LAKE WITHOUT CASTLE RO	WA7NPP0653	COWLITZ
SILVERCREST	OR6NPP0487	MARION
SILVERTON DAMSITE	CO6SPK0686	SAN JUAN
SILVERTON	WA7NPS0402	SNOHOMISH
SILVIES CANYON	OR6NPP0231	HARNEY
SIMILKAMEEN DAM (ENLOE DAM)	WAMNPS0343	OKANOGAN
SIMMONS CREEK	ID4NPS0023	SHOSHONE
SINAMOX	OR6NPP0591	WASCO
SISTERS CR.	ID4NPS0019	SHOSHONE

PROJECT NAME	SITE ID	COUNTY NAME
SITCUM, UPPER	OR6NPP2774	COOS
SITES RES	CA6SPK0090	COLUSA
SIWASH CREEK	ID4NPS0018	SHOSHONE
SIXTH WATER 3	UT6SPK0910	UTAH
SIXTH WATER	UT7SPK9006	UTAH
SKOOKUM CREEK	WA6NPS0442	WHATCOM
SKOOKUMCHUCK RESERVOIR	WACNPS0434	THURSTON
SKULL CREEK	NV6NPW0387	ELKO
SKYO MOUNTAIN	WA6NPP0724	LEWIS
SLAB CRK	CAJSPK0134	EL DORADO
SLATE CREEK DIVERSION	CACSPK0357	PLUMAS
SLATE CREEK	WA5NPS0252	JEFFERSON
SLATER FALLS	CO7SPK0678	ROUTT
SLICK HORN TO UPPER LIMIT LAK	UT5SPK0870	SAN JUAN
SLICK HORN CANYON	UT6SPK0872	SAN JUAN
SLICK ROCK CREEK	OR6NPP2775	LINCOLN
SLIDE CREEK DAM	ORHNPP0206	DOUGLAS
SLIDE GULCH	ID5NPW0141	ELMORE
SLIDE LAKE	WY5NPW0517	TETON
SLOAN BRIDGE LOW	MT4NPS3203	LAKE
SLOAN BRIDGE HIGH	MT6NPS0074	LAKE
SLOAN CR	WA7NPS0395	SNOHOMISH
SLY CREEK	CACSPK0046	BUTTE
SMAY CR	WA4NPS0262	KING
SMITH DAM (CARMEN-SMITH DIVER	ORJNPP0469	LINN
SMITH FORK	CO6SPK9036	MONTROSE
SMOKY CREEK	MT4NPS0155	SANDERS
SMOKY RANGE	MT6NPS0051	FLATHEAD
SNAKE CREEK POWERHOUSE (HEBER	UTHSPK0921	WASATCH
SNAKE CREEK POWERHOUSE (UTAH	UTHSPK0922	WASATCH
SNELL	CA6SPK9021	NAPA
SNELL CR TO MARVINE CR	CO5SPK0667	RIO BLANCO
SNOQUALMIE FALLS 1 2	WAHNPS0289	KING
SNOWMASS CREEK	CO5SPK0658	PITKIN
SODA FORK	OR5NPP0462	LINN
SODA POINT RESERVOIR	IDISPK0716	CARIBOU
SODA SPRINGS NO 4 POWERHOUSE	IDHSPK0719	CARIBOU
SODA SPRINGS NO 1 POWERHOUSE	IDHSPK0720	CARIBOU
SODA SPRINGS DAM	ORHNPP0204	DOUGLAS
SODA SPRING	WA5NPP0673	COWLITZ

PROJECT NAME	SITE ID	COUNTY NAME
SODA SPRINGS	WA5NPP0761	YAKIMA
SOLDIER CREEK	OR6NPW0415	MALHEUR
SOMERSET TO MOUTH	CO5SPK0598	GUNNISON
SOPIAGO RESERVOIR	CA6SPK0114	EL DORADO
SOQUEL	CA6SPN0041	SANTA CRUZ
SOUTH CONSOLIDATED	AZESPL0500	MARICOPA
SOUTH FORK DIV	CACSPK0356	PLUMAS
SOUTH FORK	CASSPK0497	TUOLUMNE
SOUTH FORK MERCED DIVERSION R	CA6SPK0242	MARIPOSA
SOUTH FORK TO IRRIGATION SEC	CO5SPK0672	RIO BLANCO
SOUTH FORK	CO6SPK0675	RIO BLANCO
SOUTH FORK	ID6NPW0206	IDAHO
SOUTH FORK	OR5NPP0041	CLACKAMAS
SOUTH FORK	OR5NPP0354	LANE
SOUTH FORK WEBER	UT6SPK0895	SUMMIT
SOUTH FORK	WA5NPS0257	JEFFERSON
SOUTH HONCUT CREEK	CA6SPK0322	PLACER
SOUTH POWERHOUSE	CAHSPK1417	
SOUTH UMPQUA FALLS	OR7NPP0193	DOUGLAS
SPEARFISH 2	SDIMRO0298	LAWRENCE
SPEARFISH 1	SDIMRO0297	LAWRENCE
SPECTACLE LAKE DIKE	WACNPS3103	OKANOGAN
SPENCER FRANCISCAN	CA6SPN0015	MENDOCINO
SPICER MEADOWS (SAND FLAT PH)	CA7SPK9028	TUOLUMNE
SPICERS MEADOWS RESERVOIR	CACSPK0514	TUOLUMNE
SPIRIT LAKE	WA7NPP0751	SKAMANIA
SPLIT MOUNTAIN RESERVOIR	UT7SPK0903	UINTAH
SPOTTED BEAR	MT4NPS0034	FLATHEAD
SPOTTED BEAR - ALT	MT5NPS0035	FLATHEAD
SPOTTED BEAR MT	MT5NPS0036	FLATHEAD
SPOTTED BEAR MTN ALT	MT5NPS0037	FLATHEAD
SPRAY KIMBERLY	OR6NPP0613	WHEELER
SPREAD CREEK	WY5NPW0513	TETON
SPRING CITY POWERHOUSE	UTGSPK1356	SANPETE
SPRING CREEK	AZ6SPL0017	GILA
SPRING CREEK	COCSPK0600	GUNNISON
SPRING CREEK (USGS UNDEVELOPE	CO5SPK0591	GUNNISON
SPRING CREEK	ID5NPW0033	BINGHAM
SPRING CREEK PH	UTHSPK1374	UTAH
SPRING GAP POWERHOUSE	CAHSPK0515	TUOLUMNE

PROJECT NAME	SITE ID	COUNTY NAME
SPRINGSTON	ID6NPS0025	KOOTENAI
SPRUCE PK	MT7NPS0043	FLATHEAD
SPRUCE RUN	OR6NPP0073	CLATSOP
SQUAW CREEK	ID5NPW0230	IDAHO
SQUAW CREEK	OR6NPP0074	CLATSOP
SQUAW CREEK	WA6NPS0326	OKANOGAN
SQUAW FLAT	WY7NPW0494	LINCOLN
SQUAW HOLLOW	CA7SPK0074	CALAVERAS
SQUAW QUEEN	CA7SPK0349	PLUMAS
SQUIRREL	ID6NPW0173	FREMONT
ST ANTHONY	IDHNPW0607	FREMONT
ST HELENS	WA6NPP0672	COWLITZ
ST MARIES #2	ID4NPS0002	BENEWAH
STAIRCASE	WA5NPS0321	MASON
STAIRS POWERHOUSE	UT4SPK0867	SALT LAKE
STALEY CREEK	OR5NPP0405	LANE
STAMPEDE RESERVOIR	CACSPK0434	SIERRA
STANDLEY LAKE	COCMRO0054	JEFFERSON
STANISLAUS FOREBAY	CAJSPK0513	TUOLUMNE
STANLEY	ID6NPW0128	CUSTER
STARVATION RESERVOIR	UTCSPK0821	DUCHESNE
STATE BRIDGE TO ROCK CREEK	COSSPK0555	EAGLE
STAYTON	ORMNPP0471	MARION
STEAMBOAT	OR6NPP0188	DOUGLAS
STEAMBOAT CREEK	WA7NPP0738	SKAMANIA
STEELHEAD	ID6NPW0268	VALLEY
STEELHEAD FALLS	OR5NPP0300	JEFFERSON
STEEP CREEK	ID4NPW0060	BOISE
STEVENOT RESERVOIR	CA7SPK0005	ALPINE
STIBNITE	ID5NPW0360	VALLEY
STILLWATER POINT RESERVOIR	NVCSPK0738	CHURCHILL
STONE MEADOW	CA6SPK0498	TUOLUMNE
STONEHILL	OR4NPP0547	TILLAMOOK
STONY GORGE RESERVOIR	CACSPK0170	GLENN
STRAWBERRY RESERVOIR (SOLDIER	UTCSPK0924	WASATCH
STRAWBERRY	WY5NPW0498	LINCOLN
STRONGARM RESERVOIR NO 1 TREA	IDCSPK0729	FRANKLIN
STRUBE REREGULATING DAM	OR6NPP0339	LANE
STUMPY MEADOWS RESERVOIR	CADSPK0124	EL DORADO
ST. MARIES NO. 3	ID5NPS3012	BENEWAH

PROJECT NAME	SITE ID	COUNTY NAME
ST. MARIES NO. 1	ID6NPS0001	BENEWAH
SUCCESS LAKE	CACSPK0484	TULARE
SUCKER CREEK	OR6NPP0311	JOSEPHINE
SUGAR LOAF	CA5SPK0401	SHASTA
SUGARLOAF RESERVOIR	NV6SPK0757	HUMBOLDT
SUGARLOAF MOUNTAIN	OR6NPP0095	COOS
SULFIDE CREEK	WA7NPS0447	WHATCOM
SULLIVAN	ORGNPP0007	CLACKAMAS
SULLIVAN CREEK	WA6NPS3209	PEND OREILLE
SUMMER FALLS	WAENPS3211	GRANT
SUMMIT CITY RESERVOIR	CA7SPK0018	AMADOR
SUN RIVER DIVERSION	MTAMRO0819	TETON
SUNDAY CR	WA4NPS0263	KING
SUNSET FALLS	WA4NPS3212	SNOHOMISH
SUNSET FALLS	WA5NPS0410	SNOHOMISH
SUNSHINE CREEK (RESERVOIR)	OR6NPP2792	LINCOLN
SUNSHINE CREEK (DIVERSION)	OR7NPP0425	LINCOLN
SUPERIOR	MT4NPS0103	MINERAL
SUPERIOR (ALT)	MT4NPS0104	MINERAL
SURPRISE CREEK DIVERSION	WA4NPS0274	KING
SWAN FALLS	IDGNPW0004	ADA
SWAN LAKE	MT7NPS0077	LAKE
SWAN VALLEY	ID6NPW0072	BONNEVILLE
SWAUK	WA4NPS0302	KITTITAS
SWAYNE	CA7SPK0038	BUTTE
SWEET HOME	OR6NPP0449	LINN
SWEETWATER	CA7SPK0243	MARIPOSA
SWEETWATER CREEK TO DOTSERO	COSSPK0554	EAGLE
SWIFT CREEK	OR5NPP0355	LANE
SWIFT DAM (SWIFT NO 1)	WAINPP0753	SKAMANIA
SWIFT NO 2	WAHNPP0677	COWLITZ
SWIFT RESERVOIR	MTCMRO0181	PONDERA
SWIMMING HOLE-SANDY BRANCH	OR6NPP2793	CLACKAMAS
SWISS RANCH RESERVOIR	CA6SPK0075	CALAVERAS
SWISSHOME	OR7NPP0366	LANE
SYAR	UTDSPK9007	WASATCH
SYCAMORE	CA6SPK0039	BUTTE
S-1	CA6SPK0460	TEHAMA
TABOR	MTDNPS0079	LAKE
TAILHOLT-SCOTT	ID7NPW0352	VALLEY

PROJECT NAME	SITE ID	COUNTY NAME
TAILRACE OF TORREY TO CAPITOL	UT5SPK0926	WAYNE
TAILWATER GREEN MTN DAM TO SP	CO5SPK0703	SUMMIT
TAILWATER	WA5NPS0199	CLALLAM
TARKIO	MT4NPS0108	MINERAL
TARRYALL	COCMRO0093	PARK
TASKEECH RESERVOIR	UT6SPK9010	DUCHESNE
TAYLOR PARK	COCSPK0601	GUNNISON
TAYLOR PARK DAM(USING RES)TO	CODSPK0589	GUNNISON
TEANAWAY	WA4NPS0303	KITTITAS
TEANAWAY ALTERNATE	WA4NPS2655	KITTITAS
TEDDY CREEK	ID6NPS0015	SHOSHONE
TEHAMA RESERVOIR	CA6SPK0462	TEHAMA
TEHIPITE	CA7SPK0148	FRESNO
TEMPERANCE FLAT	CA6SPK0226	MADERA
TENDOY	ID5NPW0282	LEMHI
TENMILE CREEK	ID5NPW0223	IDAHO
TENMILE FALLS	OR6NPP0528	SHERMAN
TERRACE RESERVOIR	COCSWA0008	CONEJOS
TESORO	CO6SPK0534	ARCHULETA
TETON CREEK C-C	WY6NPW0521	TETON
TETON 2	ID0NPW2612	FREMONT
TETONIA	ID5NPW0324	TETON
TEX CREEK	ID6NPW0073	BONNEVILLE
TEXAS HILL RESERVOIR	CA6SPK0116	EL DORADO
THE DALLES	ORGNPP0596	WASCO
THE FALLS	OR7NPP0426	LINCOLN
THE FORKS	ID6NPW0305	OWYHEE
THE RAPIDS	OR4NPW2620	WALLOWA
THERMALITO DIVERSION DAM	CAASPK0042	BUTTE
THERMALITO AFTERBAY	CACSPK0044	BUTTE
THERMALITO FOREBAY	CAISPK0043	BUTTE
THIEF VALLEY DAM	ORCNPW0408	BAKER
THOMAS CREEK	OR6NPP2757	LINN
THOMPSON FALLS	MTHNPS0162	SANDERS
THOMPSON RIVER	MT4NPS0160	SANDERS
THORNHOLLOW	OR6NPP0369	UMATILLA
THOUSAND SPRINGS	IDHNPW0086	GOODING
THOUSAND SPRING	ID6NPW0191	GOODING
THREE FORKS	OR6NPW0437	MALHEUR
THREE HUNDRED	OR6NPP0055	CLACKAMAS

PROJECT NAME	SITE ID	COUNTY NAME
THREE SISTERS	OR7NPP0356	LANE
THUNDER CREEK	WA5NPS2634	WHATCOM
THURSTON RESERVOIR	OR6NPP2758	LANE
TIBER RESERVOIR	MTCMRO0161	LIBERTY
TIDEWATER	OR4NPP2759	COOS
TIDEWATER	OR6NPP0427	LINCOLN
TIETON DAM (RIMROCK LAKE)	WACNPS0480	YAKIMA
TIETON DAM DIVERSION	WADNPS0469	YAKIMA
TIGER CREEK FOREBAY	CAJSPK0024	AMADOR
TILLER	OR6NPP0189	DOUGLAS
TILLER DIVERSION	OR5NPP0198	DOUGLAS
TILTON	WA7NPP0708	LEWIS
TIMOTHY LAKE DAM	ORCNPP0061	CLACKAMAS
TINEMAHA	CACSPL0077	INYO
TIOGA FORK	OR6NPP0090	COOS
TIOGA (FALL CREEK)	OR6NPP0089	COOS
TOKETEE DAM	ORJNPP0203	DOUGLAS
TOLT DAM RESERVOIR	WADNPS0282	KING
TOM CREEK (DIVERSION)	OR5NPP0450	LINN
TOM CREEK (RESERVOIR)	OR6NPP0463	LINN
TOM HEAD LAKE	CA6SPK0463	TEHAMA
TONGA	WA5NPS0268	KING
TOP CREEK	OR5NPP0283	JACKSON
TOPAZ RESERVOIR	NVCSPK0741	DOUGLAS
TOUCHET	WA6NPW0485	WALLA WALLA
TOWER ROCK	WA6NPP0722	LEWIS
TOWERHOUSE	CA6SPK0402	SHASTA
TOWER-HIGH	WA6NPP0674	COWLITZ
TOWER-LOW	WA6NPP0656	COWLITZ
TR NISQUALLY	WA5NPS2644	PIERCE
TRAIL BRIDGE DAM	ORINPP0468	LINN
TRAIL CREEK	ID5NPW0150	ELMORE
TRAIL CREEK	OR6NPP0268	JACKSON
TRIANGLE LAKE (HIGH)	OR7NPP0326	LANE
TRIANGLE LAKE (LOW)	OR7NPP2671	LANE
TRINIDAD	COCSWA0028	LAS ANIMAS
TRINITY	WAHNPS0193	CHELAN
TRI-COUNTY RESERVOIR	CO6SPK9048	DELTA
TROUBLESOME #2	WA5NPS2653	SNOHOMISH
TROUBLESOME NO. 1	WA7NPS0417	SNOHOMISH

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PROJECT NAME	SITE ID	COUNTY NAME
TROUT CR RES TO 8 MILE FLAT R	WA5NPS0175	CHELAN
TROUT CREEK	OR6NPP0421	LINCOLN
TROUT CREEK	OR6NPP0593	WASCO
TROUT CREEK	WA5NPS0416	SNOHOMISH
TROUT CREEK	WA7NPP0749	SKAMANIA
TROUT LAKE	COJSPK0701	SAN MIGUEL
TROUT LAKE(LITTLE MOUNTAIN)	WA7NPP0695	KLICKITAT
TROUTDALE	OR6NPP0512	MULTNOMAH
TROY	OR6NPW0450	WALLOWA
TUCANNON	WA6NPW0475	COLUMBIA
TULE RIVER POWERHOUSE	CAHSPK0483	TULARE
TULLOCH	CAISPK0079	CALAVERAS
TUM TUM MOUNTAIN	WA7NPP0644	CLARK
TUMWATER	WAANPS3210	CHELAN
TUM-TUM	OR7NPP0006	BENTON
TUNNEL	OR5NPW0463	WALLOWA
TUNNEL CREEK	OR6NPP0481	MARION
TUNNEL CREEK	WA5NPS0239	JEFFERSON
TUNNEL RESERVOIR(PIT NO. 5 FO	CAJSPK0411	SHASTA
TURKEY CREEK	COSSPK0531	ARCHULETA
TURKEY CREEK TO TWO ELK CREEK	COSSPK0549	EAGLE
TURLOCK LAKE	CAISPK1379	STANISLAUS
TURNER-NORTH SANTIAM DIVERSIO	OR5NPP0482	MARION
TURNTABLE	CA7SPK0350	PLUMAS
TUTTLE	ID5NPW0192	GOODING
TWENTYMILE CREEK	ID5NPW0222	IDAHO
TWICKENHAM	OR6NPP0614	WHEELER
TWIN CREEK	WA5NPS0249	JEFFERSON
TWIN CREEK	WA7NPS0264	KING
TWIN FALLS LOW LINE CANAL POW	IDENPW0332	TWIN FALLS
TWIN FALLS	IDGNPW0252	JEROME
TWIN FALLS	WA5NPS0281	KING
TWIN FALLS	WA7NPP0752	SKAMANIA
TWIN LAKES RESERVOIR	COCSWA0005	CHAFFEE
TWIN LAKES RESERVOIR-SOUTHWES	IDCSPK0726	FRANKLIN
TWIN LAKES DAM	WACNPS3104	FERRY
TWIN SISTERS	OR6NPP0199	DOUGLAS
TWIN SPRINGS	ID6NPW0142	ELMORE
TWISP	WA6NPS0327	OKANOGAN
TWISTY CREEK	OR6NPP0357	LANE

PROJECT NAME	SITE ID	COUNTY NAME
TWO BUTTES	COCSWA0001	BACA
TWOMILE CANYON	OR6NPP0222	GRANT
TYGH VALLEY	ORMNPP2810	WASCO
TYREE	WA6NPS0401	SNOHOMISH
TYZACK (RED FLEET)	UT6SPK9008	UINTAH
T=2	OR6NPP0548	TILLAMOOK
T=4	OR6NPP0549	TILLAMOOK
T=6/TRASK	OR6NPP0545	TILLAMOOK
UDP ORU0412	OR4NPP0003	BENTON
UDP ORU0447	OR4NPP0488	MARION
UDP ORU0536	OR4NPP0606	WASHINGTON
UDP ORU0534	OR6NPP0043	CLACKAMAS
UDP ORU0535	OR6NPP0605	WASHINGTON
UDP ORU0907	OR5NPP2709	HOOD RIVER
UDP ORU0908	OR6NPP2710	MARION
UDP ORU0909	OR6NPP2711	LINCOLN
UINTA RESERVOIR	UT5SPK0809	DUCHESNE
UINTAH POWERPLANT	UTHSPK0819	DUCHESNE
UMATILLA	OR5NPP2713	UMATILLA
UMTANUM	WA6NPS0299	KITTITAS
UNDERWOOD	WA7NPP0694	KLICKITAT
UNION CREEK	OR5NPP2714	JACKSON
UNION VALLEY RESERVOIR	CAISPK0127	EL DORADO
UNITY DAM	ORCNPW0407	BAKER
UPPER AND LOWER SULA	MT7NPS0136	RAVALLI
UPPER AUSTIN POINT	OR6NPP0038	CLACKAMAS
UPPER BAKER DAM	WAINPS0453	WHATCOM
UPPER BEAR	CO6SPK0677	ROUTT
UPPER BEAVER POWERPLANT	UTHSPK0856	PIUTE
UPPER BIG FORK	MT6NPS0076	FLATHEAD
UPPER CLAVEY	CA7SPK0499	TUOLUMNE
UPPER COTTONWOOD	WY7NPW0515	TETON
UPPER DEER FLAT	IDENPW0091	CANYON
UPPER DUNGENESS	WA5NPS0198	CLALLAM
UPPER FALLS (SAHALIE FALLS)	OR5NPP0451	LINN
UPPER FALLS RESERVOIR	WAHNPS0425	SPOKANE
UPPER GREEN	WA6NPP0675	COWLITZ
UPPER IDAHO FALLS NO 2	IDGNPW0077	BONNEVILLE
UPPER IDAHO FALLS NO 1	IDGNPW0078	BONNEVILLE
UPPER JOY	MT6NPS0064	GRANITE

PROJECT NAME	SITE ID	COUNTY NAME
UPPER LAKE	ID5NPW0365	VALLEY
UPPER LINCOLN CANYON	MT6NPS0124	LEWIS AND CLAR
UPPER LITTLE WOOD	IDCNPW0043	BLAINE
UPPER LITTLE HOGBACK	MT4NPS0067	GRANITE
UPPER LOGAN CITY	UTJSPK0798	CACHE
UPPER MALAD	IDHNPW0187	GOODING
UPPER MEADOW CREEK	ID5NPW0234	IDAHO
UPPER MEADOWS	WY6NPW0502	LINCOLN
UPPER MIDDLE FORK	CA6SPK0076	CALAVERAS
UPPER MOLINA PH	COHSPK0708	SUMMIT
UPPER MONROE POWERHOUSE	UTGSPK0891	SEVIER
UPPER MOUNT PLEASANT POWERHOU	UTHSPK0885	SANPETE
UPPER NORTH FORK	OR6NPP0381	LANE
UPPER OWYHEE LAKE	OR4NPW0421	MALHEUR
UPPER PELKEY	OR6NPP2715	CLACKAMAS
UPPER ROCK CREEK	UTSSPK0810	DUCHESNE
UPPER SALMON FALLS B	IDGNPW0328	TWIN FALLS
UPPER SALMON FALLS A	IDGNPW0338	TWIN FALLS
UPPER SAUK II	WA6NPS2633	SNOHOMISH
UPPER SAUK I (DAN CR)	WA7NPS0386	SNOHOMISH
UPPER SCRIVER	ID5NPW0342	VALLEY
UPPER SCRIBNER	MT4NPS0158	SANDERS
UPPER SIUSLAW-HIGH	OR7NPP0367	LANE
UPPER SIUSLAW-LOW	OR7NPP0368	LANE
UPPER SOUTH FORK	WA5NPS0411	SNOHOMISH
UPPER STRAWBERRY PH	UTHSPK0917	UTAH
UPPER SUIATTLE	WA5NPS0389	SNOHOMISH
UPPER SWIFT	WYHNPW0500	LINCOLN
UPPER TRAPPER CR	MT4NPS0132	RAVALLI
UPPER WALL CREEK RESERVOIR	NVCSPK0771	WASHOE
UPPER WEST FORK	UTSSPK0812	DUCHESNE
UPPER WHITEROCKS	UTSSPK0902	UINTAH
UPPER WHITE CHUCK	WA5NPS0393	SNOHOMISH
UPPER YAAK CANYON	MT4NPS0092	LINCOLN
UPPERFALLS	CA5SPK0435	SISKIYOU
UPRIVER DAM RESERVOIR	WAHNPS0428	SPOKANE
USGS SITE 12 PM 11	WA5NPS0237	JEFFERSON
USGS SITE 12 PM 10	WA5NPS0238	JEFFERSON
USGS SITE 12 PM 14A	WA5NPS0244	JEFFERSON
USGS SITE 12 PM 13	WA5NPS0245	JEFFERSON

PROJECT NAME	SITE ID	COUNTY NAME
UTAH POWER & LIGHT CO HAMS FO	WYCSPK0933	LINCOLN
UTICA RESERVOIR	CACSPK0013	ALPINE
VACACILLA	CA6SPK0403	SHASTA
VALLECITO RESERVOIR	COCSPK0614	LAPLATA
VALLEYS END	CA6SPN0016	MENDOCINO
VALSETZ LAKE DAM (VALSETZ)	OR7NPP0526	POLK
VAN ARSDLE/POTTER VALLEY	CAJSPN0061	MENDOCINO
VAN WINKLE	CA5SPK0117	EL DORADO
VERDI DIVERSION DAM WASHOE PO	NVHSPK0776	WASHOE
VERDI POWER PLANT	NVHSPK0775	WASHOE
VICTOR	ID7NPW0325	TETON
VIDA	OR5NPP2718	LANE
VIDA DIVERSION	OR5NPP0358	LANE
VIDA NUMBER 3	OR6NPP2760	LANE
VIEWPOINT	MT7NPS0145	SANDERS
VIRGINIA RANCH	CACSPK0527	YUBA
VISTA RESERVOIR	NV6SPK0742	ELKO
VOLCANO RESERVOIR	CA6SPK0118	EL DORADO
VOLTA POWERHOUSE	CAGSPK0423	SHASTA
W F CLE ELEM	WA6NPS2667	KITTITAS
WADE GULCH	OR5NPW0461	WALLOWA
WAGON WHEEL GAP	CO6SWA0031	MINERAL
WAHLQUIST	MT4NPS0065	GRANITE
WAKEFIELD	OR6NPP0550	TILLAMOOK
WAKEFIELD UPPER	OR6NPP0551	TILLAMOOK
WALDO	CA6SPK0525	YUBA
WALDO LAKE-FERC	ORDNPP0327	LANE
WALDO LAKE-USGS	ORDNPP0328	LANE
WALLACE	ID5NPS2611	SHOSHONE
WALLACE	ID5NPW0276	LEMHI
WALLACE BRIDGE	OR6NPP0521	POLK
WALLACE BRIDGE DAM (8-2)	WA5NPP0691	KLICKITAT
WALLACE FALLS	WA7NPS0408	SNOHOMISH
WALLOWA FALLS	ORHNPW2621	WALLOWA
WALLOWA LAKE DAM	ORCNPW0466	WALLOWA
WALNUT CANYON	AZ7SPL0515	GILA
WALTER SPRINGS	CA6SPK0278	NAPA
WALTERVILLE DAM (POWER INTAKE	ORHNPP0417	LANE
WALUPT LAKE	WA7NPP0699	LEWIS
WAMBO	CA6SPK0526	YUBA

PROJECT NAME	SITE ID	COUNTY NAME
WANAPUM RESERVOIR	WA1NPS0219	GRANT
WANLICK	WA5NPS0373	SKAGIT
WAPATO DAM-DROP NO. 2	WAKNPS0483	YAKIMA
WAPATO DAM-DROP NO. 3	WAKNPS0484	YAKIMA
WAPATO LAKE DAM	WADNPS3109	CHELAN
WAPTUS	WA4NPS0313	KITTITAS
WARDS FERRY	CA7SPK9034	TUOLUMNE
WARM RIVER BUTTE	ID5NPW0178	FREMONT
WARM RIVER	ID6NPW0174	FREMONT
WARM SPRINGS DAM	CACSPN0044	SONOMA
WARM SPRINGS DAM	CA48PN0058	SISKIYOU
WARM SPRINGS DAM	CA9SPN0059	SONOMA
WARMSPRINGS DAM	ORCNPW0424	MALHEUR
WARNICK	WA5NPS0437	WHATCOM
WARREN	ID5NPW0199	IDAHO
WASHINGTON	CA7SPK0284	NEVADA
WASHOUGAL	WA5NPP0755	CLARK
WATASHEAMU RESERVOIR	NV6SPK0739	DOUGLAS
WATERLOO NUMBER 3	OR6NPP2761	LINN
WEARE	MT5NPS0143	SANDERS
WEBER PH	UTGSPK0929	WEBER
WEBER RESERVOIR	NVCSPK0766	MINERAL
WEEKLY CREEK	OR6NPP2762	COOS
WEEKSVILLE	MT4NPS0150	SANDERS
WEIR CREEK	ID5NPW0227	IDAHO
WEITAS	ID6NPW0106	CLEARWATER
WELCHES	OR7NPP0028	CLACKAMAS
WELCOME	WA4NPS2624	WHATCOM
WELLS CREEK	WA4NPS0444	WHATCOM
WELLS DAM	WA1NPS0210	DOUGLAS
WENAHA	WA6NPW0468	ASOTIN
WENAS LAKE	WACNPS3120	YAKIMA
WENDLING	OR6NPP2763	LANE
WENDOVER	ID5NPW0214	IDAHO
WEST FORK	ID5NPW0331	TWIN FALLS
WEST FORK NUMBER 1	WA5NPP0762	YAKIMA
WEST FORK NUMBER 2	WA5NPP0763	YAKIMA
WEST FORK MOUTH	WA5NPS0359	PIERCE
WEST FORK RAINIER	WA5NPS0363	PIERCE
WEST LINN	ORHNPP2768	CLACKAMAS

PROJECT NAME	SITE ID	COUNTY NAME
WEST MARVINE CREEK TO MOUTH	CO5SPK0668	RIO BLANCO
WEST POINT POWERHOUSE	CAJSPK0029	AMADOR
WESTON SITE NO 3	WA4NPS0261	KING
WHANGDOODLE	ID5NPW0354	VALLEY
WHATCOM CREEK #2	WA4NPS0446	WHATCOM
WHATCOM CREEK 1	WA4NPS2628	WHATCOM
WHETSTONE CREEK	WY7NPW0511	TETON
WHISKEY GULCH	MT4NPS0107	MINERAL
WHISKEYTOWN RESERVOIR	CACSPK0427	SHASTA
WHISKEYTOWN DIVERSION SPRING	CAJSPK9025	SHASTA
WHITE CAP	ID5NPW0211	IDAHO
WHITE R TO GRAY CANYON RESERV	UT4SPK0803	CARBON
WHITE RIVER	OR4NPP2764	WASCO
WHITE RIVER	OR6NPP0589	WASCO
WHITE RIVER-TAPPS LAKE	WAJNPS0369	PIERCE
WHITEHAWK	ID5NPW0368	VALLEY
WHITEHORSE RAPIDS	OR7NPP0594	WASCO
WHITEROCKS RESERVOIR	UT6SPK9009	DUCHESNE
WHITEWATER DS TO MOUTH OF RIV	CO5SPK0621	MESA
WHITEWATER	CO6SPK0620	MESA
WHITEWATER CREEK	OR7NPP0301	JEFFERSON
WHOBREY MOUNTAIN	OR6NPP0091	COOS
WICKIUP DAM	ORCNPP0160	DESCHUTES
WILD HORSE RAPIDS	OR5NPW0399	BAKER
WILDCAT CREEK	OR6NPW0457	WALLOWA
WILDHORSE	ID5NPW0016	ADAMS
WILEY	IDANPW0609	GOODING
WILEY CREEK	OR6NPP0452	LINN
WILLAMETTE FALLS DAM (OREGON	ORGNPP0065	CLACKAMAS
WILLAMETTE PAPER	ORMNPP0436	LINN
WILLAMINA CREEK LOWER	OR6NPP0623	YAMHILL
WILLIAMS FORK	CO1SPK0583	GRAND
WILLOW	CA6SPK0404	SHASTA
WILLOW CREEK RESERVOIR	COCSPK0586	GRAND
WILLOW CREEK NO 1	NM6SWA0078	RIO ARRIBA
WILLOW CREEK NO 3	NM6SWA0079	RIO ARRIBA
WILLOW CREEK	WA5NPW0477	COLUMBIA
WILLOW FLAT	CA6SPK0273	MONO
WILSON LAKE	IDANPW0250	JEROME
WILSON VALLEY	CA6SPK0193	LAKE

PROJECT NAME	SITE ID	COUNTY NAME
WINCHESTER (EXIST)	ORMNPP0163	DOUGLAS
WINCHESTER DIVERSION	OR5NPP2808	DOUGLAS
WINCHUCK	OR6NPP2765	CURRY
WINCHUCK RIVER	OR4NPP0138	CURRY
WIND LAKES	ID5NPW0229	IDAHO
WINDER RESERVOIR	IDCSPK0725	FRANKLIN
WINDFALL CREEK	WA5NPS2640	CLALLAM
WINDY GAP	CA7SPK0227	MADERA
WING LAKE	CA6SPK0464	TEHAMA
WINSTON CREEK	WA5NPP0723	LEWIS
WINTERS	WA5NPS0404	SNOHOMISH
WISE POWERHOUSE	CAGSPK0335	PLACER
WISHON	CAJSPK0151	FRESNO
WISHON POWERHOUSE	CAHSPK0233	MADERA
WOLF CREEK	ID5NPW0213	IDAHO
WOLF CREEK	OR6NPP0313	DOUGLAS
WOLVERINE CREEK	ID5NPW0031	BINGHAM
WOODRUFF NARROWS RES	WYCSPK0949	UINTA
WOODSFORD AFTERBAY (PAYNESVIL	CA5SPK0006	ALPINE
WOODVILLE	ID4NPW0037	BINGHAM
WOODWARD RESERVOIR	CACSPK0438	STANISLAUS
WOODY CREEK	CO5SPK0657	PITKIN
WREN	OR6NPP2766	BENTON
WRIGHT	WA5NPP0693	KLICKITAT
WYNOOCHEE DAM	WACNPS0236	GRAYS HARBOR
YAAK FALLS	MT6NPS0093	LINCOLN
YAGER	CA6SPN0010	HUMBOLDT
YALE DAM	WA1NPP0647	CLARK
YANKEE JIM	MT6MRD0172	PARK
YELLOW CRK	CA7SPK0351	PLUMAS
YELLOW JACTET	CA6SPN0048	HUMBOLDT
YELLOW JACKET	ID5NPW0274	LEMHI
YELLOW PINE	ID5NPW0357	VALLEY
YELLOWSTONE POWER DIVERSION	UTJSPK0817	DUCHESNE
YELLOWSTONE	UTSSPK0814	DUCHESNE
YELM (CENTRALIA)	WAHNPS0371	PIERCE
YOAKUM	OR6NPP0571	UMATILLA
YUBA DAM AND RESERVOIR	ID7NPW0161	ELMORE
ZIGZAG	OR5NPP0039	CLACKAMAS
12 PM NO24 (FINN HALL)	WA5NPS0195	CLALLAM

PROJECT NAME	SITE ID	COUNTY NAME
12 PM NO. 18 (QUILCENE)	WA5NPS0194	CLALLAM
12 RB NUMBER 1	OR7NPP0175	DOUGLAS
12 RC NO 6A	OR5NPP0116	COOS
12PM NO23 (CARLSBORG)	WA5NPS0196	CLALLAM
12PM16(TOWNSEND)	WA5NPS0240	JEFFERSON
21 MILE RESERVOIR	NVCSPK0749	ELKO
25 MILE CREEK	MT5NPS0044	FLATHEAD
26 FOOT DROP POWER PLANT	NVGSPK0765	LYON
4TH OF JULY	WA4NPS0414	SNOHOMISH
8 MI CR RES TO ICICLE CANAL	WA5NPS0174	CHELAN
(LAKE HAVASU) PARKER	AZISPL0071	YUMA
(LAKE MEAD) HOOVER DAM	NVISPL0136	CLARK
(LAKE MOJAVE) DAVIS	AZISPL5000	MOHAVE
(LAKE PLEASANT) WADDELL	AZCSPL0024	MARICOPA
(LAKE POWELL) GLEN CANYON	AZISPL0015	COCONINO
(LAKE) CASITAS	CACSPL0134	VENTURA
(SAHUARO LAKE) STEWART MOUNTA	AZISPL0029	MARICOPA
(SAN CARLOS RESERVOIR) COOLID	AZISPL0050	PINAL

NUMBER OF SITES SATISFYING CONSTRAINTS = 2538

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DESCRIPTION OF TABULATED DATA IN TABLE 1

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COLUMN NO.	LINE NO.	FORM 2 ITEM NO.	COLUMN HEADING	DESCRIPTION
1	1	1	SITE ID NUMBER	UNIQUE 10-CHARACTER IDENTIFIER FOR EACH SITE. EXAMPLE: **HICPOH0003** CHARACTERS: VALUE: 1-2 **HI** = **STATE** CODE (POSTAL ABBREVIATION) 3 **C** = **TYPE** AND STATUS CODE (REFER TO FORM 2 ITEM DESCRIPTION DOCUMENTATION FOR ITEM 84). CODES A THRU R INDICATE **EXISTING** PROJECTS, S THRU **3** INDICATE **BREACHED** PROJECTS AND 4 THRU 9 INDICATE **UNDEVELOPED** PROJECTS FOR VARIOUS TYPES OF OPERATION. 4-6 **POH** = U.S. ARMY CORPS OF ENGINEERS **DISTRICT** CODE (REFER TO FORM 2 ITEM DESCRIPTION DOCUMENTATION FOR ITEM 33) 7-10 **0003** = UNIQUE SEQUENTIAL **NUMBER** WITHIN EACH DISTRICT
2	1	2	PROJECT NAME	IDENTIFICATION **NAME** OF EXISTING DAM OR POTENTIAL WATER MANAGEMENT PROJECT (**NOTE**: ONLY THE FIRST 29 CHARACTERS OF A POSSIBLE 40 CHARACTERS ARE PRINTED).
3	1	40	PRIMARY COUNTY	PRIMARY **COUNTY** NAME IN WHICH THE PROJECT IS LOCATED.
4	1	310	INCREMENTAL CAPACITY	AMOUNT OF INCREMENTAL POTENTIAL **CAPACITY** (IN KW) THAT IS ESTIMATED FOR THE PROJECT.
5	1	311	INCREMENTAL ENERGY	AMOUNT OF INCREMENTAL POTENTIAL AVERAGE ANNUAL **ENERGY** (IN MWH) THAT IS ESTIMATED FOR THE PROJECT.
6	1	(318/311)	INCREMENTAL COST	**COST** (IN $/MWH) OF PRODUCING THE INCREMENTAL POTENTIAL ENERGY FOR THE PROJECT.

EXPLANATION OF ENVIRONMENTAL AND SOCIAL IMPACT CODES: (COLUMNS 7 & 8)

ALPHABETICAL CODES Y, N, AND U ARE DEFINED AS FOLLOWS:

Y = YES
N = NO
U = UNKNOWN

NUMERICAL CODES 1 THROUGH 5 ARE DEFINED AS FOLLOWS:

1 = MAJOR ADVERSE
2 = MINOR ADVERSE
3 = INSIGNIFICANT
4 = MINOR FAVORABLE
5 = MAJOR FAVORABLE

COLUMN NO.	LINE NO.	FORM 2 ITEM NO.	COLUMN HEADING	DESCRIPTION
7	1	668	ENVRNMNTL IMPACT CODE	SEVEN CHARACTER **ENVIRONMENTAL IMPACT CODE** IS DEFINED AS FOLLOWS:

CHARACTER POSITION	DESCRIPTION
1ST	NATIONAL/STATE PARKS AND WILDERNESS
2ND	WILD AND SCENIC RIVER
3RD	RESIDENT FISH
4TH	ANADROMOUS FISH
5TH	WILDLIFE HABITAT
6TH	ENDANGERED SPECIES
7TH	WETLANDS

COLUMN NO.	LINE NO.	FORM 2 ITEM NO.	COLUMN HEADING	DESCRIPTION
8	1	669	SOCIAL IMPACT CODE	NINE CHARACTER **SOCIAL IMPACT CODE** IS DEFINED AS FOLLOWS:

CHARACTER POSITION	DESCRIPTION
1ST	CULTURAL AND HISTORICAL RESOURCES
2ND	COMMUNITIES RELOCATED
3RD	TRANSPORTATION RELOCATED
4TH	FARMLAND
5TH	LOCAL GROUP COMMENT
6TH	ENVIRONMENTAL GROUP COMMENT
7TH	OTHER GROUP COMMENT
8TH	UTILITY INTEREST
9TH	STATE COMMENT

DESCRIPTION OF TABULATED DATA IN TABLE 2

COLUMN NO.	LINE NO.	FORM 2 ITEM NO.	COLUMN HEADING	DESCRIPTION
1	1	1	SITE ID NUMBER	UNIQUE 10-CHARACTER IDENTIFIER FOR EACH SITE. EXAMPLE: HICPOH0003 CHARACTERS: VALUE: 1-2 HI = STATE CODE (POSTAL ABBREVIATION) 3 C = TYPE AND STATUS CODE (REFER TO FORM 2 ITEM DESCRIPTION DOCUMENTATION FOR ITEM 84). CODES A THRU R INDICATE EXISTING PROJECTS, S THRU Z INDICATE BREACHED PROJECTS AND 4 THRU 9 INDICATE UNDEVELOPED PROJECTS FOR VARIOUS TYPES OF OPERATION. 4-6 POH = U.S. ARMY CORPS OF ENGINEERS DISTRICT CODE (REFER TO FORM 2 ITEM DESCRIPTION DOCUMENTATION FOR ITEM 33) 7-10 0003 = UNIQUE SEQUENTIAL NUMBER WITHIN EACH DISTRICT
1	2A	65	DEP CODE	IDENTIFICATION OF UNDEVELOPED PROJECTS AS AN ALTERNATIVE TO SOME OTHER PROJECT OR AS A PART OF SOME SYSTEM. THIS ITEM ALSO INDICATES WHICH ONE OF THE POSSIBLE ALTERNATIVE PROJECTS SHOULD BE INCLUDED IN ESTIMATES OF TOTAL NATIONAL POTENTIAL. THE DEPENDENT/INDEPENDENT CODE IS DEFINED AS FOLLOWS: I = INDEPENDENT SITE. E = DEPENDENT, ALTERNATIVE SITE, EXCLUDED FROM SUMMARIES. S = DEPENDENT, PART OF A SYSTEM. THIS SITE SHOULD BE INCLUDED IN SUMMARY TABLES. D = DEPENDENT, ALTERNATIVE SITES WHICH ARE CHOSEN BY DISTRICT FOR INCLUSION IN SUMMARY TABLES.

COLUMN NO.	LINE NO.	FORM 2 ITEM NO.	COLUMN HEADING	DESCRIPTION
1	28	3	ACTV INV	**ACTIVE IN INVENTORY** CODE FOR IDENTIFYING SITES BASED ON CAPACITY AND B/C RATIOS. (SEE FORM 2 ITEM DESCRIPTION DOCUMENTATION FOR DETAILED EXPLANATION OF CODES). SOME OF THE MORE COMMON **ACTIVE IN INVENTORY** CODES ARE AS FOLLOWS: 1 = SITES CONSIDERED INACTIVE FOR STUDY THAT HAVE A TOTAL POTENTIAL CAPACITY BETWEEN 50 KW AND 1000 KW AND A B/C RATIO GREATER THAN 1.0. 2 = SITES CONSIDERED ACTIVE FOR STUDY THAT HAVE A TOTAL POTENTIAL CAPACITY GREATER THAN OR EQUAL TO 1000 KW AND B/C RATIO GREATER THAN OR EQUAL TO 1.0 (NOTE: OTHER SITES CHOSEN BY THE DISTRICTS CAN ALSO HAVE A CODE = 2 TO INDICATE **ACTIVE** STATUS). 4 = SITES CONSIDERED INACTIVE FOR STUDY WHERE THE TOTAL POTENTIAL CAPACITY IS LESS THAN 50 KW OR THE B/C RATIO IS LESS THAN 1.0. 5 = SITE CONSIDERED INACTIVE FOR STUDY BECAUSE ADVANCED ANALYSIS SHOWED DEVELOPMENT OF THE SITE TO BE ECONOMICALLY OR ENGINEERINGLY INFEASIBLE. 6 = SITES CONSIDERED INACTIVE FOR STUDY BECAUSE THEY FAILED THE SCREENING ON ADVERSE ENVIRONMENTAL, SOCIAL, AND/OR INSTITUTIONAL IMPACTS.
1	3	53	POWER AREA	ELECTRIC RELIABILITY COUNCIL SUB-REGION (GEOGRAPHIC AREA FOR ALASKA).
2	1	2	PROJECT NAME	IDENTIFICATION **NAME** OF EXISTING DAM OR POTENTIAL WATER MANAGEMENT PROJECT (NOTE: ONLY THE FIRST 29 CHARACTERS OF A POSSIBLE 40 CHARACTERS ARE PRINTED).
2	2A	40	PRIMARY COUNTY	PRIMARY **COUNTY** NAME IN WHICH THE PROJECT IS LOCATED.
2	2B	31	NAME OF STREAM	NAME OF **STREAM** WHERE THE PROJECT IS LOCATED.
2	3	60	OWNER	IDENTIFICATION OF PROJECT **OWNER**. NOTE: **DAEN XXX** REPRESENTS U.S. ARMY CORPS OF ENGINEERS WHERE **XXX** INDICATES THE **DISTRICT** CODE (REFER TO FORM 2 ITEM DESCRIPTION DOCUMENTATION FOR A LIST OF DISTRICT CODES AND FEDERAL AGENCIES).
2	4	100	MAP REFERENCE	IDENTIFICATION OF USGS MAP SHOWING LOCATION OF SITES AND OTHER MAPS AS NEEDED FOR IDENTIFICATION.
3	1	36	LATITUDE	IDENTIFICATION OF PROJECT LOCATION BY **LATITUDE** (DEGREES, MINUTES AND TENTHS OF MINUTES).
3	2	37	LONGITUDE	IDENTIFICATION OF PROJECT LOCATION BY **LONGITUDE** (DEGREES, MINUTES AND TENTHS OF MINUTES).
3	3	126	DR. AREA	**DRAINAGE AREA** (IN SQUARE MILES) OF THE PROJECT.

COLUMN NO.	LINE NO.	FORM 2 ITEM NO.	COLUMN HEADING	DESCRIPTION
4	1	62	PROJ. PURP.	IDENTIFICATION OF AUTHORIZED **PROJECT PURPOSES** AS FOLLOWS: **I** = IRRIGATION — **R** = RECREATION **H** = HYDROELECTRIC — **D** = DEBRIS CONTROL **C** = FLOOD CONTROL — **P** = FARM POND **N** = NAVIGATION — **O** = OTHER **S** = WATER SUPPLY
4	2	63	STATUS	INDICATION OF **PROJECT STATUS** AS FOLLOWS: **IS** = IDENTIFIED SITE — **PA** = PROJECT AUTHORIZED **SP** = STUDY PROPOSED — **DM** = GDM IN PROGRESS **SA** = AUTHORIZED FOR STUDY — **UC** = UNDER CONSTRUCTION **FP** = FEASIBILITY STUDY IN PROGRESS — **OP** = PROJECT IN OPERATION **SI** = STUDY INACTIVE
4	3	128	AVE. Q	AVERAGE ANNUAL **INFLOW** (IN CFS). NOTE: **NEGATIVE** VALUES INDICATE **MACHINE DETERMINED** VALUES BASED ON A DRAINAGE AREA RATIO OF THE PROJECT TO THE REPRESENTATIVE GAGE.
5	1	81	DAM HT	PHYSICAL **HEIGHT** (IN FEET) OF DAM ABOVE THE STREAMBED.
5	2	88	TOT. STOR	CUMULATIVE **STORAGE** (IN ACRE-FEET) AT TOP OF FLOOD CONTROL POOL. IF ITEM 88 WAS NOT SUPPLIED, THEN THE STORAGE VALUE WAS TRANSFERRED FROM ITEM 104, **MAXIMUM STORAGE** (IN ACRE-FEET).
5	3	11	PWR. HD.	WEIGHTED NET **POWER HEAD** IF DETERMINED BY PROGRAM: (**ITEM 11**) IF COMPUTED BY FLOW-DURATION PROCEDURE OR TRANSFERRED FROM NORMAL NET POWER HEAD (**ITEM 105**).
6	1	300	EXIST. CAP.	AMOUNT OF **EXISTING CAPACITY** (IN KW) FOR THE PROJECT.
6	2	310	INC. CAP.	AMOUNT OF **INCREMENTAL CAPACITY** (IN KW) THAT IS ESTIMATED FOR THE PROJECT.
6	3	290	TOT. CAP.	AMOUNT OF **TOTAL CAPACITY** (IN KW) THAT IS ESTIMATED FOR THE PROJECT (EXISTING PLUS INCREMENTAL).
7	1	301	EXIST. ENRG.	AMOUNT OF **EXISTING ENERGY** (IN MWH) FOR THE PROJECT.
7	2	311	INC. ENERGY	AMOUNT OF **INCREMENTAL** AVERAGE ANNUAL **ENERGY** (IN MWH) THAT IS ESTIMATED FOR THE PROJECT.
7	3	291	TOT. ENERGY	AMOUNT OF **TOTAL ENERGY** (IN MWH) THAT IS ESTIMATED FOR THE PROJECT (EXISTING PLUS INCREMENTAL).
8	1	318	ANUL. COST	TOTAL **ANNUAL COST** (IN 1000 $) OF PRODUCING THE INCREMENTAL POTENTIAL AVERAGE ANNUAL ENERGY THAT IS ESTIMATED FOR THE PROJECT.
8	2	318/311	ENERGY COST	**COST** (IN $/MWH) OF PRODUCING THE INCREMENTAL POTENTIAL ENERGY THAT IS ESTIMATED FOR THE PROJECT.

EXPLANATION OF ENVIRONMENTAL AND SOCIAL IMPACT CODES: (COLUMNS 7 - 8)

ALPHABETICAL CODES Y, N, AND U ARE DEFINED AS FOLLOWS:

Y = YES
N = NO
U = UNKNOWN

NUMERICAL CODES 1 THROUGH 5 ARE DEFINED AS FOLLOWS:

1 = MAJOR ADVERSE
2 = MINOR ADVERSE
3 = INSIGNIFICANT
4 = MINOR FAVORABLE
5 = MAJOR FAVORABLE

COLUMN NO.	LINE NO.	FORM 2 ITEM NO.	COLUMN HEADING	DESCRIPTION
7	1	668	ENVRNMNTL IMPACT CODE	SEVEN CHARACTER ENVIRONMENTAL IMPACT CODE IS DEFINED AS FOLLOWS:

CHARACTER POSITION	DESCRIPTION
1ST	NATIONAL/STATE PARKS AND WILDERNESS
2ND	WILD AND SCENIC RIVER
3RD	RESIDENT FISH
4TH	ANADROMOUS FISH
5TH	WILDLIFE HABITAT
6TH	ENDANGERED SPECIES
7TH	WETLANDS

COLUMN NO.	LINE NO.	FORM 2 ITEM NO.	COLUMN HEADING	DESCRIPTION
8	1	669	SOCIAL IMPACT CODE	NINE CHARACTER SOCIAL IMPACT CODE IS DEFINED AS FOLLOWS:

CHARACTER POSITION	DESCRIPTION
1ST	CULTURAL AND HISTORICAL RESOURCES
2ND	COMMUNITIES RELOCATED
3RD	TRANSPORTATION RELOCATED
4TH	FARMLAND
5TH	LOCAL GROUP COMMENT
6TH	ENVIRONMENTAL GROUP COMMENT
7TH	OTHER GROUP COMMENT
8TH	UTILITY INTEREST
9TH	STATE COMMENT

ARIZONA (AZ)

SITE ID / PROJECT NAME / PRIMARY CO. / NAME OF STREAM	LATITUDE / LONGITUDE	PROJ. PURP. / STATUS	DAM HT / TOT. STOR	EXIST. CAP. / INC. CAP.	EXIST. ENRG / ANUL. COST / INC. ENERGY / ENERGY COST	ENVIRONMENTAL IMPACT CODE
DEP ACTV / CODE INV / OWNER / MAP REFERENCE	DR. AREA (D M.M) (SQ.MI)	AVE. Q (CFS)	PWR. HD. (FT) (AC FT) (FT)	TOT. CAP. (KW) (KW)	TOT. ENERGY (MWH) (MWH)	(1000 $) ($/MWH)	SOCIAL IMPACT CODE
AZISPL0012	BLUE RIDGE RESERVOIR	34 33.3	OR	0	0	0	0.	
0	COCONINO EAST CLEAR CR	111 11.0		0	0	0	0	
AR	PHELPS DODGE CORPORATION	71	-11.0	-129.5	0	**********		
AZISPL0015	(LAKE POWELL) GLEN CANYON	36 56.2	HCSRO	0	0	0	0	
0	COCONINO COLORADO RIVE	111 28.9		0	0	0	0	
AR	DOI USBR	111700	17850.0	-480.3	0	**********		
AZ6SPL0517	GLEASON FLAT	33 45.2	IHS	200.0	0	0	2436.1	YNNNYNN
2	GILA SALT RIVER	110 41.6	SI	200000	43500	280000	8.7006	
AR	SRP	1	-0.2	624.3	43500	280000		NNNNNNNYN
	BLUE HOUSE MOUNTAIN							
AZ7SPL0514	KNOB	33 47.8	IHS	160.0	0	0	2956.3	YNNNYNN
2	GILA SALT RIVER	110 24.0	SI	200000	28500	136000	21.737	
AR	SALT RIVER PROJECT	1	-0.2	439.5	28500	136000		NNNNNNNYN
AZ6SPL0513	LIVINGSTON	33 37.1	IHS	125.0	0	0	1193.5	YNNNYNN
2	GILA PINAL CREEK	110 54.9	SI	0	11500	72000	16.577	
AR	SALT RIVER PROJECT	1	-0.2	149.8	11500	72000		NNNNNNNYN
	ROCKINSTRAW MOUNTAIN							
AZ7SPL0516	MULE HOOF	33 48.2	IHS	140.0	0	0	3720.3	YNNNYNN
D 2	GILA SALT RIVER	110 30.8	SI	0	43500	280000	13.286	
AR	SRP	1	-0.2	199.8	43500	280000		NNNNNNNYN
AZFSPL0507	ROOSEVELT PUMPED STORAGE	33 40.0	ISHR	280.0	0	0	0	YNNNYNN
D 9	GILA SALT RIVER	111 9.9	OP	1382000	0	0	0	
AR	DOI WPRS	5785	638.0	0	0	0		NNNNNNNYN
	THEODORE ROOSEVELT DAM QUAD							
AZISPL0020	ROOSEVELT	33 40.0	IHSR	280.0	36000	79000	0	YNNNYNN
D 5	GILA SALT RIVER	111 9.9	OP	1382000	0	0	0	
AR	DOI USBR	5785	638.0	231.9	36000	79000		NNNNNNNYN
	QUAD THEODORE ROOSEVELT DAM							
AZ6SPL0017	SPRING CREEK	34 7.3	0	155.0	0	0	903.20	YNNNYNN
I 1	GILA SPRING CREEK	111 5.9	SI	35500	0	0	7455022	
AR	ARIZ GAME + FISH	150	-39.0	49.9	0	0		NNNNNNNNN
	QUAD BUZZARD ROOST MESA							

SITE ID / DEP / ACTV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
AZ7SPL0515	WALNUT CANYON	33 48.2	IHS	140.0	0	0	2740.0	YNNNYNN
D 2	GILA SALT RIVER	110 26.5	SI	9000	25200	136000	20.147	
AR	SALT RIVER PROJECT	1	=0.2	399.6	25200	136000		NNNNNNNYN
	BECKERS BUTTE							
AZ9SPL0504	ALCHESAY PUMPED STORAGE	33 38.5		325.0	0	0	0	YNNNYNN
I 9	MARICOPA SALT RIVER	111 9.8		0	0	0	0	
AR			0	0	0	0		NNNNNNNYN
AZESPL0502	ARIZONA FALLS	33 29.5	IHS	0	0	0	185.60	NNNNNNN
2	MARICOPA ARIZONA CANAL	111 57.4	FP	0	700	3000	61.868	
AR	SRP		0	18.0	700	3000		NNNNNNNYN
	TEMPE							
AZCSPL0019	BARTLETT RESERVOIR	33 49.1	ISR	203.0	0	0	2097.0	YNNNYNN
2	MARICOPA VERDE RIVER	111 37.8	OP	178000	45000	50000	41.940	
AR	DOI USBR	6185	384.0	196.6	45000	50000		NNNNNNNYN
	QUADS BARTLETT DAM MAVERICK							
AZESPL0511	BEARDSLEY CANAL DROP	33 47.	IR	0	0	0	204.90	NNNNNNN
S 2	MARICOPA BEARDSLEY CAN	112 16.	OP	0	1000	2709	75.638	
AR	MCMWCD #1		0	77.0	1000	2709		NNNNNNNYN
	BALDY MOUNTAIN							
AZESPL0512	CAP CANAL TURNOUT	33 46.8	IR	0	0	0	302.41	NNNNNNN
S 2	MARICOPA CAP CANAL(OFF	112 16.9	OP	0	2500	6308	47.942	
AR	MCMWCK #1		0	150.0	2500	6308		NNNNNNNYN
	BALDY MOUNTAIN							
AZESPL0503	CHANDLER	33 26.2	IHS	0	0	0	199.82	NNNNNNN
2	MARICOPA TEMPE CANAL	111 50.8	FP	0	800	3800	52.584	
AR	SRP		0	18.0	800	3800		NNNNNNNYN
	TEMPE							
AZKSPL0501	CROSSCUT	33 26.3	IHS	0	3000	6200	0	NNNNNNN
5	MARICOPA GRAND CANAL	111 56.7	IS	0	0	0	0	
AR	SRP		0	116.0	3000	6200		NNNNNNNYN
	TEMPE							
AZISPL0027	HORSE MESA	33 35.9	IHSR	270.0	33000	310000	0	YNNNYNN
5	MARICOPA SALT RIVER	111 20.9	OP	245138	0	0	0	
AR	DOI USBR	5870	587.0	262.4	33000	310000		NNNNNNNYN
	QUAD HORSE MESA DAM							

SITE ID / DEP / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D.M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
AZLSPL0509	HORSE MESA PUMPED STORAGE	33 35.9	IHSR	270.0	0	0	0	YNNNYNN
9	MARICOPA SALT RIVER	111 20.9	OP	245138	0	0	0	
AR	DOI WPRS	5870	587.0	0	0	0		NNNNNNNYN
	HORSE MESA DAM							
AZISPL0028	MORMON FLAT	33 32.9	IHSR	152.0	10000	115000	0	YNNNYNN
5	MARICOPA SALT RIVER	111 26.0	OP	57852	0	0	0	
AR	DOI USBR	6030	587.0	140.1	10000	115000		NNNNNNNYN
	QUAD MORMON FLAT DAM							
AZLSPL0508	MORMON FLAT PUMPED STORAGE	33 32.9	ISHR	152.0	0	0	0	YNNNYNN
9	MARICOPA SALT RIVER	111 26.0	OP	57852	0	0	0	
AR	DOI WPRS	6030	587.0	0	0	0		NNNNNNNYN
	MORMON FLAT DAM							
AZESPL0500	SOUTH CONSOLIDATED	33 28.0	IHS	0	0	0	203.91	NNNNNNN
I 2	MARICOPA SOUTH CONSOLI	111 46.6	UC	0	1400	6200	32.890	
AR	SRP		0	35.0	1400	6200		NNNNNNNYN
	MESA							
AZCSPL0024	(LAKE PLEASANT) WADDELL	33 51.1	IR	256.0	0	0	188.65	YNNNYNN
S 2	MARICOPA AGUA FRIA RIV	112 16.1	OP	163800	1500	3265	57.781	
AR	MCMWCD #1	1459	80.0	170.8	1500	3265		NNNNNNNYN
	QUAD BALDY MTN							
AZISPL0029	(SAHUARO LAKE) STEWART MOUNT	33 33.9	IHSR	125.0	10400	30934	0	YNNNYNN
5	MARICOPA SALT RIVER	111 31.9	OP	69765	0	0	0	
AR	DOI USBR	6211	587.0	118.8	10400	30934		NNNNNNNYN
	QUAD STEWART MTN							
AZISPL5000	(LAKE MOJAVE) DAVIS	35 11.8	HCRO	0	0	0	0	
0	MOHAVE COLORADO RIVE	114 34.0	FA	0	0	0	0	
AR	DOI USBR	173300	0	-113.8	0	**********		
AZ6SPL0510	HUALAPAI HYDRO PROJECT	35 48.	H	480.0	0	0	27503	YYNNYNN
I 2	MOJAVE COLORADO	113 33.		820000	1366000	3560000	7.7258	
AR			14690.0	390.0	1366000	3560000		NNNNNNNYN
AZ6SPL0033	DIPPING VAT	34 22.6	0	70.0	0	0	501.91	NNNNNNN
I 4	NAVAJO SILVER CREEK	110 1.1	SI	4380	100	802	625.32	
AR	ARIZ GAME + FISH	140	-93.8	39.9	100	802		NNNNNNNNN
	QUAD TAYLOR							

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
AZCSPL0018	MINERAL CREEK ARCH DAM	33 13.2	C	187.0	0	0	39.103	NNNNNNN
4	PINAL MINERAL CREEK	110 59.6	OP	10500	58	310	125.93	
AR	KENNECOTT COPPER CORP.	92	-33.7	161.8	58	310		NNNNNNNNN
	QUAD SONORA							
AZISPL0050	(SAN CARLOS RESERVOIR) COOLI	33 12.0	IH	0	0	0	0	
0	PINAL GILA	110 31.0		0	0	0	0	
AR	DOI BIA	12886	269.0	-151.8	0	**********		
AZGSPL0505	CHILDS	34 20.9	H	0	3600	27500	0	YNNNYNN
I 5	YAVAPAI FOSSIL CREEK	111 41.9	OP	0	0	0	0	
AR	ARIZONA PUBLIC SERVICE		0	1075.0	3600	27500		NNNNNNNYN
	VERDE HOT SPRINGS							
AZCSPL0070	HORSESHOE RESERVOIR	33 58.8	ISR	144.0	0	0	2040.1	YNNNYNN
2	YAVAPAI VERDE RIVER	111 42.6	OP	131000	32000	35000	58.289	
AR	DOI USBR	5872	384.0	124.7	32000	35000		NNNNNNNYN
	QUADS HORSESHOE DAM CHALK MT							
AZGSPL0506	IRVING	34 24.0	H	0	1300	10200	0	YNNNYNN
I 5	YAVAPAI FOSSIL CREEK	111 37.0	OP	0	0	0	0	
AR	ARIZONA PUBLIC SERVICE		0	482.0	1300	10200		NNNNNNNYN
	STRAWBERRY, AZ							
AZCSPL9999	ALAMO RESERVOIR	34 13.9	C	280.0	0	0	35.169	NNNNNNN
5	YUMA BILL WILLIAMS	113 36.1	OP	1409000	2	2	15078	
AR	DAEN SPL	4770	92.0	174.8	2	2		NNNNNNNYN
	QUADS IVES PEAK ARTILLERY PE							
AZCSPL0072	HEADGATE ROCK	34 10.0	RI	45.0	0	0	474.95	NNNNYNN
2	YUMA COLORADO RIVE	114 30.0	OP	20000	2374	16015	29.656	
AR	DOI BIA	178900	-15612.9	9.5	2374	16015		NNNNNNNNN
	QUAD PARKER							
AZISPL0071	(LAKE HAVASU) PARKER	34 17.7	HRU	85.0	120000	285171	0	YNNNYNN
5	YUMA COLORADO RIVE	114 8.3	OP	619400	0	0	0	
AR	DOI USBR	178800	-15509.1	29.9	120000	285171		NNNNNNNNN
	QUAD GENE WASH							

CALIFORNIA (CA)

SITE ID / DEP / ACTV / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CAHSPK1417	SOUTH POWERHOUSE	40 23.8	H	0	0	0	0	
0	SOUTH FORK BA	121 52.8	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT.	271	-417.2	517.0	0	**********		
CACSPN0002	CALAVERAS RESERVOIR	37 29.4	S	230.0	0	0	35,512	3330003.
I 5	ALAMEDA CALAVERAS CRE	121 49.2	IS	100000	6	13	2692.7	
CN	CITY COUNTY S FRANCISCO	100	-28.3	146.8	6	13		000334333.
CACSPN0003	JAMES H. TURNERISAN ANTONIO!	37 34.3	S	193.0	0	0	35,316	3300004.
I 5	ALAMEDA SAN ANTONIO C	121 50.9	IS	505000	3	16	2082.0	
CN	CITY COUNTY S FRANCISCO	40	-21.6	144.8	3	16		0000033333.
CA7SPK9014	HOPE VALLEY RESERVOIR	38 46.3		176.0	0	0	7221.1	0000000
I 5	ALPINE WEST FORK CAR	119 55.6		100000	49223	61100	118.18	
CN		38	-101.9	1098.9	49223	61100		0000000000
	MARKETLEEVILLE FREEZ QUAD							
CA6SPK0004	SILVER KING RESEVOIR	38 34.1		75.0	0	0	1375.2	0000000
I 5	ALPINE EAST CARSON R	119 37.4		8000	85	681	2017.3	
CN		45	-125.7	63.9	85	681		0000000000
	TOPAZ LAKE QUAD							
CA7SPK0005	STEVENOT RESERVOIR	38 33.9		240.0	0	0	4020.1	0000000
S 5	ALPINE NORTH FORK MO	120 1.0		25000	13197	27152	148. 6	
CN		58	-42.7	1038.9	13197	27152		0000000000
	MARKLEEVILLE QUAD							
CACSPK0013	UTICA RESERVOIR	38 26.4	H I S	54.0	0	0	35,481	3300303
5	ALPINE N FK STANISLA	120 0.2	OP	2400	0	1	31215	
CN	PACIFIC GAS + ELECT CO	28	80.0	48.1	0	1		3333000000
	BIG MEADOW QUAD							
CA5SPK0006	WOODSFORD AFTERBAY (PAYNESVI	38 45.9		10.0	0	0	1346.5	3231313
S 0	ALPINE WEST FORK CAR	119 50.9		95000	5273	28140	47.853	
CN		66	-46.2	951.0	5273	28140		0330000000
	FREEL PEAK 15> QUAD							
CACSPK0021	BEAR RIVER	38 33.5	H	83.0	0	0	35,714	3300303
5	AMADOR BEAR RIVER	120 12.9	OP	7098	0	2	17711	
CN	PACIFIC GAS + ELECT CO	28	55.0	75.4	0	2		3333000000
	SILVER LAKE QUAD							

SITE ID / DEP ACTV CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CACSPK0025	ELECTRA DIVERSION	38 25.2	H I	44.0	0	0	39.13	3300303
5	AMADOR N FK MOKELUMN	120 32.8	OP	65	2	24	1598.5	
CN	PACIFIC GAS + ELECT CO	360	475.0	24.9	2	24		3333000000
	WEST POINT QUAD							
CA6SPK0015	IRISH HILL RESERVOIR	38 24.0	I	134.0	0	0	2157.6	0000000
I 5	AMADOR DRY CREEK	120 57.5	SI	100000	105	679	3173.3	
CN		77	40.0	174.8	105	679		0000000000
	SUTTER CRK AND IRISH HILL							
CACSPK0028	JACKSON CR	38 18.1	IR	193.0	0	0	110.32	3300303
2	AMADOR JACKSON CR	120 53.2	OP	25600	577	2312	47.708	
CN	JACKSON VAL IRR DIST	58	30.0	148.8	577	2312		3333000000
	IONE QUAD							
CAJSPK0023	LAKE TABEAUD	38 20.9	H	0	0	0	0	
4	AMADOR JACKSON CREEK	120 39.8	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	544	984.0	1268.0	0	**********		
CAJSPK0026	LOWER BEAR RIVER	38 32.3	H I S	0	0	0	0	
4	AMADOR BEAR RIVER	120 15.3	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	32	55.0	2109.0	0	**********		
CA6SPK0016	MIDDLE BAR RESERVOIR	38 16.9		190.0	0	0	4771.7	0000000
S 5	AMADOR MOKELUMNE RIV	120 46.0		46500	25877	65325	73.44	
CN		551	-980.9	114.8	25877	65325		0000000000
	JACKSON QUAD							
CA7SPK0017	NASHVILLE RESERVOIR	38 32.9	IH	426.0	0	0	9275.0	0000000
I 5	AMADOR COSUMNES RIVE	120 52.0	SA	900000	24335	69756	132.96	
CN		435	656.0	508.4	24335	69756		0000000000
	FIDDLETOWN QUAD							
CAISPK0019	PARDEE RESERVOIR	38 15.3	H S	345.0	15000	105000	873.69	3333333
2	AMADOR MOKELUMNE RIV	120 50.9	OP	210000	9900	34528	25.303	
CN	EAST BAY M U DIST	578	495.0	323.3	24900	139528		333300050
	JACKSON QUAD							
CAISPK0022	SALT SPRINGS RESERVOIR	38 29.9	H	0	0	0	0	
4	AMADOR N FK MOKELUMN	120 12.9	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	170	475.0	256.0	0	**********		

SITE ID / PROJECT NAME / LATITUDE	PROJ.PURP. / DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
PRIMARY CO. =NAME OF STREAM / LONGITUDE	STATUS / TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV / OWNER / DR.AREA	AVE. Q / PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV / MAP REFERENCE / (D M.M)	(CFS) / (AC FT)	(KW)	(MWH)	(1000 $)	
POWER AREA /	(SQ MI) / (FT)	(KW)	(MWH)	($/MWH)	SOCIAL IMPACT CODE
CA7SPK0018 / SUMMIT CITY RESERVOIR	38 30.0	240.0	0	0	5229.5	UUUUUUU
S 5 / AMADOR NORTH FORK MO	120 9.0	35000	32749	70284	74.405	
CN	96	-69.8	1638.3	32749	70284	UUUUUUUUU
SILVER LAKE QUAD						
CAJSPK0024 / TIGER CREEK FOREBAY	38 26.0	H	0	0	0	0	
4 / AMADOR N FK MOKELUMN	120 30.2	OP	0	0	0	0	
CN / PACIFIC GAS + ELECT CO	262	520.0	1219.0	0	**********		
CAJSPK0029 / WEST POINT POWERHOUSE	38 25.0	H	105.0	13600	81476	2856.5	3333333
2 / AMADOR N.FORK MOKELU	120 32.8	OP	3960	61082	42059	67,917	
CN / PACIFIC GAS + ELECT CO	360	-625.7	312.0	74682	123536		3333UUU5U
WEST POINT QUAD							
CA7SPK0030 / BALD ROCK NO. 5	39 38.0	180.0	0	0	6995.1	3131313
E 6 / BUTTE MID FORK FEAT	121 16.0	10000	47088	253711	27,571	
CN	1112	-578.3	709.2	47088	253711		U33U33333
BIG BEND MTN							
CA6SPK0032 / CASTLE ROCK	39 46.5	C,S	178.0	0	0	3951.0	UUUUUUU
D 5 / BUTTE BUTTE CREEK	121 45.4	100000	310	2333	1693.5	
CN	72	-152.1	150.8	310	2333		UUUUUUUUU
HAMLIN CANYON PARADISE QUAD							
CAHSPK0057 / CENTERVILLE POWERHOUSE	39 47.5	H	0	0	0	0	
4 / BUTTE BUTTE CREEK	121 39.8	OP	0	0	0	0	
CN / PACIFIC GAS + ELECT. CO.	129	414.0	577.0	0	**********		
CAHSPK0056 / COAL CANYON POWERHOUSE	39 36.5	H	0	0	0	0	
4 / BUTTE M MIOCENE CAN	121 36.4	OP	0	0	0	0	
CN / PACIFIC GAS AND ELEC.	113	328.0	481.0	0	**********		
CA6SPK0033 / COVERED BRIDGE DAM	39 43.6	0	0	0	0	UUUUUUU
I 9 / BUTTE BUTTE CREEK	121 42.2	200000	0	0	0	
CN	147	-408.6	-183.3	0	**********		UUUUUUUUU
CAJSPK0054 / DE SABLA FOREBAY	39 52.3	H	53.0	18450	120100	1347.9	3333333
2 / BUTTE TRI BUTTE CRE	121 36.4	OP	280	24850	79260	17. 6	
CN / PACIFIC GAS + ELECT CO	108	-309.3	1528.4	43300	199360		3333UUU5U
PARADISE QUAD							

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CABSPK0040	FEATHER RIVER HATCHERY	39 31.3	R	63.0	0	0	737.44	3323333
2	BUTTE FEATHER RIVER	121 32.7	OP	580	4767	28220	26.131	
CN	CAL DEPT WATER RES	3624	5977.0	17.9	4767	28220		3333UUUUU
	OROVILLE QUAD							
CAJSPK0047	FORBESTOWN DIVERSION	39 33.1	H I S	0	0	0	0	
4	BUTTE S FK FEATHER	121 12.5	OP	0	0	0	0	
CN	OROVILLE WYANDOTTE I D	88	233.0	826.0	0	**********		
CA6SPK0034	FORKS OF BUTTE CREEK	39 54.0	I	280.0	0	0	3133.7	UUUUUUU
E 5	BUTTE BUTTE CREEK	121 33.0		57000	36	93	33564	
CN		10	-19.8	237.7	36	93		UUUUUUUUU
	PARADISE QUAD							
CA6SPK0035	GRIZZLY GULCH	40 2.9	I	180.0	0	0	2035.3	UUUUUUU
I 5	BUTTE BUTTE CREEK	121 33.0		12000	306	2424	839.51	
CN		69	-145.7	152.8	306	2424		UUUUUUUUU
	BUTTE MEADOWS							
CA6SPK9015	JONESVILLE	40 5.9	SR	178.0	0	0	2515.4	UUUUUUU
I 5	BUTTE BUTTE CREEK	121 29.9	IS	46000	1773	10399	241.88	
CN		69	-166.9	165.8	1773	10399		UUUUUUUUU
	JONESVILLE QUAD							
CAHSPK0058	LIME SADDLE POWERHOUSE	39 45.0	H	0	0	0	0	
4	BUTTE W. BRANCH FEA	121 35.0	OP	0	0	0	0	
CN	PACIFIC GAS AND ELECT.	113	328.0	462.0	0	**********		
CAJSPK0045	LOST CREEK	39 34.5	H I S	117.0	52200	14122	0	3333333
5	BUTTE LOST CREEK	121 8.1	OP	5800	0	0	0	
CN	OROVILLE WYANDOTTE I D	31	25.0	1495.0	52200	14122		3333UUUUU
	CLIPPER MILL QUAD							
CAJSPK0049	MINERS RANCH RESERVOIR	39 30.3	H I S	55.0	9900	38048	2021.4	3333333
5	BUTTE TRI N HONCUT	121 27.3	OP	912	46086	38732	52.190	
CN	OROVILLE WYANDOTTE I D	87	223.0	668.0	55986	76780		3333UUUUU
	OROVILLE DAM QUAD							
CAISPK0041	OROVILLE DAM	39 32.1	IRSHC	742.0	644400	1442836	9044.6	3333333
5	BUTTE FEATHER RIVER	121 28.8	OP	3538000	493911	95048	95.157	
CN	CAL DEPT WATER RES	3611	4800.0	623.4	1138311	1537885		3333UUUUU
	OROVILLE DAM QUAD							

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CAJSPK0053	POE FOREBAY	39 48.5	H	0	0	0	0	
4	BUTTE N FK FEATHER	121 25.7	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	1950	3013.0	488.0	0	**********		
CACSPK0048	PONDEROSA DIVERSION	39 32.9	H I S	157.0	0	0	170.71	33UU3U3
2	BUTTE S FK FEATHER	121 18.1	OP	4750	1126	5111	33,400	
CN	OROVILLE WYANDOTTE I D	108	717.0	95.9	1126	5111		3333UUUU4
	FORBESTOWN QUAD							
CA6SPK0037	QUARTZ HILL	39 38.0		200.0	0	0	1929.3	UUUUUUU
S 5	BUTTE FALL RIVER	121 11.4		22000	25	77	24856	
CN		10	-19.8	169.8	25	77		UUUUUUUUU
	CASCADE QUAD							
CACSPK0046	SLY CREEK	39 34.9	H I S	271.0	0	0	1001.8	33UU3U3
2	BUTTE LOST CREEK	121 6.8	OP	65050	13200	45000	22,264	
CN	OROVILLE-WYANDOTTE ID	24	25.0	228.7	13200	45000		3333UU5UU
	STRAWBERRY VALLEY QUAD							
CA7SPK0038	SWAYNE	39 42.6		380.0	0	0	13606	3242313
E 6	BUTTE FRENCH CREEK	121 22.6	IS	280000	211820	847997	16. 45	
CN		1164	-972.9	1382.6	211820	847997		U23U33333
	BIG BEND MTN 15' PULGA 15'							
CA6SPK0039	SYCAMORE	39 48.5		370.0	0	0	6014.9	UUUUUUU
I 5	BUTTE BIG CREEK	121 43.9		15000	1494	7990	752.77	
CN		72	-152.1	314.6	1494	7990		UUUUUU4UU
	PARADISE QUAD							
CAASPK0042	THERMALITO DIVERSION DAM	39 33.7	HI	128.0	0	0	523. 5	33UU3U3
2	BUTTE FEATHER RIVER	121 32.6	OP	22000	4300	23000	22.741	
CN	CAL DEPT WATER RES	3640	4800.0	74.9	4300	23000		3333UUUU5
	OROVILLE QUAD							
CACSPK0044	THERMALITO AFTERBAY	39 27.5	HR	38.0	0	0	1124.1	33UU3U3
2	BUTTE FEATHER RIVER	121 37.9	OP	57500	12954	53788	20,899	
CN	CAL DEPT WATER RES	3610	4955.0	26.9	12954	53788		3333UUUU5
	BIGGS QUAD							
CAISPK0043	THERMALITO FOREBAY	39 31.5	H R	75.0	115000	287552	0	3333333
5	BUTTE TRI CTTNWD CR	121 37.7	OP	11768	0	0	0	
CN	CAL DEPT WATER RES	3610	4955.0	102.0	115000	287552		3333UUUUU
	SHIPPEE QUAD							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M,M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M,M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
CAHSPK0085	ANGELS POWERHOUSE	38 4.3	H	0	1400	11924	4034.3	3333333
2	CALAVERAS ANGELS CREEK	120 32.3	OP	0	130261	139412	28,938	
CN	PACIFIC GAS AND ELECT.	213	=535.0	448.0	131661	151336		3333UUUUU
	ANGELS CAMP QUAD							
CA6SPK0059	CEDAR RESERVOIR	38 14.4	R,I	180.0	0	0	1995.1	UUUUUUU
E 5	CALAVERAS NORTH FORK CA	120 41.0		40000	111	780	2556.0	
CN		83	=76.4	166.8	111	780		UUUUUUUUU
	MOKELUMNE HILL, SAN ANDREAS							
CA7SPK0063	FOREST CREEK RESERVOIR	38 25.2		148.0	0	0	3509.6	UUUUUUU
I 5	CALAVERAS FOREST CREEK	120 24.0		5000	36	171	20413	
CN		16	=10.4	125.8	36	171		UUUUUUUUU
	BLUE MTN QUAD							
CA6SPK0064	FORKS RESERVOIR	38 9.6	I,R	160.0	0	0	4004.5	UUUUUUU
I 5	CALAVERAS SOUTH FORK CA	120 40.5		60000	19222	32002	125.13	
CN		149	=378.4	149.8	19222	32002		UUUUUUUUU
	SALT SPRING VALLEY							
CACSPK0077	GOODWIN	37 51.7	I S	101.0	0	0	167.58	33UU3U3
2	CALAVERAS STANISLAUS RI	120 37.7	OP	500	970	4655	36. 1	
CN	OAKDALE S SAN JOAQUIN ID	986	1500.0	80.0	970	4655		3333UUUU5
	KNIGHTS FERRY QUAD							
CA6SPK0065	HIGHLAND	38 24.0	I	160.0	0	0	3585.4	UUUUUUU
I 5	CALAVERAS NORTH FORK ST	120 3.9		62000	11391	20098	178.39	
CN		58	=53.4	744.2	11391	20098		UUUUUUUUU
	BIG MEADOW QUAD							
CAJSPK0083	HUNTERS RESERVOIR	38 11.8	H I S	43.0	3600	28396	6978.4	3333333
2	CALAVERAS MILL CREEK	120 21.6	OP	200	176312	194294	35.917	
CN	PACIFIC GAS + ELECT CO	206	=517.5	685.0	179912	222690		3333UUU2U
	MURPHYS AND STANISLAUS QUADS							
CA7SPK0066	JESUS MARIA	38 16.1	I,S	215.0	0	0	2543.5	UUUUUUU
I 5	CALAVERAS JESUS MARIA C	120 30.7		36000	43	234	10865	
CN		13	=40.5	1198.8	43	234		UUUUUUUU4
	BLUE MTN, RAILROAD FLATS QUA							
CACSPK0080	MIDDLE FORK	38 23.0	I S	95.0	0	0	35,541	33UU3U3
5	CALAVERAS MID FK MOKELU	120 26.4	OP	1370	0	1	23783	
CN	CALAVERAS P U DIST	29	62.0	77.9	0	1		3333UUUUU
	BLUE MTN QUAD							

SITE ID / DEP CODE / POWER AREA	ACTV / INV	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CACSPK0082		MURPHYS FOREBAY	38 8.8	H	67.0	0	0	186.77	33UU3U3
	2	CALAVERAS TRI ANGELS CR	120 26.0	OP	54	921	5218	35,789	
	CN	PACIFIC GAS + ELECT CO	206	-523.1	63.4	921	5218		3333UUU2U
		MURPHYS QUAD							
CACSPK0086		NEW HOGAN LAKE	38 9.0	CIR	200.0	0	0	90,121	33UU3U3
	2	CALAVERAS CALAVERAS RIV	120 48.6	OP	357000	423	1873	48, 94	
	CN	DAEN SPK	363	187.0	194.7	423	1873		3333UU5U4
		VALLEY SPRINGS QUAD							
CAISPK5000		NEW MELONES	37 56.9	CIHROO	625.0	300000	498531	0	3333333
	5	CALAVERAS STANISLAUS RI	120 31.2	UC	2870000	0	0	0	
	CN	US - WPRS	900	1560.0	577.4	300000	498531		3333U24UU
		MELONES DAM QUAD							
CA6SPK0069		NORTH FORK MOKELUMNE RIVER	38 24.2		160.0	0	0	2322.3	UUUUUUU
I	5	CALAVERAS NORTH FORK MO	120 34.2		5000	5643	33785	68,737	
	CN		346	-616.0	135.8	5643	33785		UUUUUU5UU
		MOKELUMNE HILL QUAD							
CA6SPK9018		O'NEIL RESERVOIR	38 12.0		165.0	0	0	1830.4	UUUUUUU
I	5	CALAVERAS O'NEIL CREEK	120 28.4		5500	19	87	21037	
	CN		18	-24.0	139.8	19	87		UUUUUU5UU
		MURPHYS QUAD							
CA7SPK0071		RAILROAD FLAT	38 21.9		170.0	0	0	3341.1	UUUUUUU
I	5	CALAVERAS SOUTH FORK MO	120 37.0		15000	11216	44384	75,277	
	CN		96	-43.9	1618.3	11216	44384		UUUUUUUUU
		RAILROAD FLAT QUAD							
CA6SPK0072		RAMSEY RESERVOIR	38 21.7		235.0	0	0	4332.4	UUUUUUU
S	5	CALAVERAS NORTH FORK ST	120 10.9	IS	36750	17785	39768	108.94	
	CN		132	325.0	234.7	17785	39768		UUUUUUUUU
		BIG MEADOW QUAD							
CA6SPK0073		SCOTTS RESERVOIR	38 12.8		200.0	0	0	2567.2	UUUUUUU
I	5	CALAVERAS SAN ANTONIO	120 25.9		10000	13	57	44755	
	CN		21	-28.0	169.8	13	57		UUUUUUUUU
		MURPHYS QUAD							
CA7SPK0074		SQUAW HOLLOW	38 15.9		380.0	0	0	20706	UUUUUUU
S	5	CALAVERAS NORTH FORK ST	120 16.0		60000	150427	164301	126. 2	
	CN		49	-119.3	2222.7	150427	164301		UUUUUUUUU
		BLUE MTN QUAD							

SITE ID / DEP / ACTV / POWER AREA	PROJECT NAME / PRIMARY CO. / NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. (KW) TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY (MWH) TOT.ENERGY (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA6SPK0075	SWISS RANCH RESERVOIR	38 16.5		220.0	0	0	1925.3	UUUUUUU
I 5	CALAVERAS JESUS MARIA	120 28.4		15000	58	306	6280.2	
CN		8	-17.9	229.7	58	306		UUUUUUUUU
	BLUE MOUNTAIN QUAD							
CAISPK0079	TULLOCH	37 52.6	H I	0	0	0	0	
4	CALAVERAS STANISLAUS RI	120 36.3	OP	0	0	0	0	
CN	OAKDALE S SAN JOAQUIN ID	980	1500.0	157.0	0	**********		
	MELONES DAM QUAD							
CA6SPK0076	UPPER MIDDLE FORK	38 23.2		223.0	0	0	2115.0	UUUUUUU
I 5	CALAVERAS MIDDLE FRK MO	120 24.0		12000	87	485	4359.3	
CN		21	-65.4	189.8	87	485		UUUUUUUUU
	BLUE MTN QUAD							
CA6SPK1421	BEAR VALLEY	39 2.5	I,C,R	356.0	0	0	24735	UUUUUUU
I 5	COLUSA BEAR CREEK	122 24.4		2470000	55	93	265187	
CN		100	-203.8	302.6	55	93		UUUUUUUUU
	WILBUR SPRING AND MORGAN VAL							
CACSPK0091	EAST PARK RESERVOIR	39 21.9	IS	139.0	0	0	163.43	33UU3U3
2	COLUSA LITTLE STONY	122 30.8	OP	50890	1000	2900	56.356	
CN	US - WPRS	102	88.0	87.9	1000	2900		3333UU5U4
	GILMORE PEAK QUAD							
CA6SPK0089	GOLDEN GATE	39 18.7	R,I,C	45.0	0	0	1216.5	UUUUUUU
I 5	COLUSA STONE CORRAL	122 20.5		48000	54	421	2886.4	
CN		38	-80.2	53.9	54	421		UUUUUUUUU
	LODOGA QUAD							
CA6SPK0090	SITES RES	39 18.7	IH	243.0	0	0	8905.0	UUUUUUU
S 5	COLUSA STONE CORRAL	122 20.5	SI	1215700	141	317	28022	
CN		38	186.0	224.7	141	317		UUUUUU4UU
	SITES QUAD							
CA6SPK0094	AUKUM RESERVOIR	38 32.9	R,I,C	197.0	0	0	3688.0	UUUUUUU
I 5	EL DURADO SOUTH FORK CO	120 43.9	SI	120050	89	475	7762.5	
CN		58	47.0	175.8	89	475		UUUUUUUUU
	CAMINO QUAD							
CA7SPK0095	BAKERS FORD	38 37.5	I,R	110.0	0	0	3424.7	UUUUUUU
E 5	EL DURADO MIDDLE FORK C	120 41.0		16000	1076	5036	680. 3	
CN		88	-20.4	871.1	1076	5036		UUUUUUUUU
	CAMINO QUAD							

SITE ID / PRIMARY CO. / OWNER / MAP REFERENCE	PROJECT NAME / NAME OF STREAM	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY TOT.ENERGY (MWH)	ANUL. COST ENERGY COST (1000 $) (S/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
DEP ACTV CODE INV								
POWER AREA								
CA7SPK0096	BRIDGEPORT RESERVOIR	38 32.7	I,R,C	130.0	0	0	2058.9	0000000
I 5	EL DURADO SOUTH FORK CO	120 43.4		36000	182	1308	1574.0	
CN		536	-31.8	110.8	182	1308		0000000000
	AUKUM QUAD							
CACSPK0135	BRUSH CRK	38 28.2	S D H	213.0	0	0	41,461	3300303
5	EL DURADO BRUSH CR	120 37.1	OP	1750	83	455	91. 7	
CN	SACRAMENTO MUD	8	-17.9	203.7	83	455		3333000000
	WEST POINT QUAD							
CAJSPK0128	CAMINO RESERVOIR	38 49.7	S D H	110.0	142500	82171	0	3333333
5	EL DURADO SILVER CR	120 32.0	OP	845	0	0	0	
CN	SACRAMENTO MUD	250	99.0	1065.0	142500	82171		3333000000
	POLLOCK PINE QUAD							
CA5SPK0097	CAPPS CROSSING	38 38.2	I,C	170.0	0	0	2448.4	0000000
I 5	EL DURADO NORTH FORK CO	120 22.5	SI	25000	106	515	4752.1	
CN		19	33.0	139.8	106	515		0000000000
	LEEK SPRING HILL QUAD							
CAISPK0123	CHILI BAR	38 46.3	H S	0	0	0	0	
4	EL DURADO S FK AMERICAN	120 48.6	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	600	1583.0	60.0	0	**********		
CA6SPK0099	COLOMA AFTERBAY	38 46.9		32.0	0	0	2613.7	0000000
E 5	EL DURADO SOUTH FORK AM	120 52.9		1500	14341	30631	85,329	
CN		631	-1391.3	39.9	14341	30631		0000000000
	COLOMA AND GARDEN VALLEY							
CA6SPK0100	COLOMA RESERVOIR	38 46.9	I,S	160.0	0	0	5469.6	3342323
D 2	EL DURADO SOUTH FORK AM	120 52.0		0	57923	105383	51,902	
CN		616	-1358.2	135.8	57923	105383		3330400000
	GARDEN VALLY QUAD							
CAJSPK0122	EL DURADO FOREBAY	38 46.1	H	91.0	20000	97900	0	3333333
5	EL DURADO LONG CANYON	120 35.1	OP	472	0	0	0	
CN	PACIFIC GAS + ELECT CO	217	-321.0	1907.0	20000	97900		3333000200
	POLLOCK PINES QUAD							
CA5SPK0101	EL DURADO	38 47.5	H	89.0	0	0	4562.0	3342323
S 2	EL DURADO SOUTH FORK AM	120 36.9	FP	472	60017	152514	29,912	
CN		160	-130.5	1828.1	60017	152514		3330005000
	POLLOCK PINES, SLY PARK, STU							

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA6SPK0102	FORNI SOUTH FORK RESERVOIR	38 46.9		150.0	0	0	1210.4	UUUUUUU
I 5	EL DURADO SOUTH FORK AM	120 9.9		2150	124	827	1463.5	
CN		64	-58.9	127.8	124	827		UUUUUUUUU
	PYRAMID PEAK QUAD							
CACSPK0129	GERLE	38 58.2	S D H	58.0	0	0	333.46	33UU3U3
2	EL DURADO GERLE CR	120 23.5	OP	1200	4059	6912	48.238	
CN	SACRAMENTO MUD	24	132.0	47.9	4059	6912		3333UUUUU
	ROBBS PEAK QUAD							
CACSPK0125	ICE HOUSE RESERVOIR	38 49.3	S H	150.0	0	0	153.40	33UU3U3
2	EL DURADO S FK SILVER C	120 21.6	OP	45960	968	3153	48.651	
CN	SACRAMENTO MUD	27	76.0	146.8	968	3153		3333UUUU4
	KYBURZ QUAD							
CA6SPK0103	INDIAN CREEK RESERVOIR	38 44.0		68.0	0	0	22340	UUUUUUU
I 9	EL DURADO WEBER CREEK	120 56.0		3130	93	238	93624	
CN		1700	-220.7	123.8	93	238		UUUUUU5UU
	SHINGLE SPRINGS QUAD							
CACSPK013o	JENKINSON LAKE (SLYPARK DAM)	38 42.8	ISRO	170.0	0	0	107.45	33UU3U3
2	EL DURADO SLY PARK CREE	120 33.5	OP	44460	573	2100	51.170	
CN	US - WPRS	16	-27.8	205.2	573	2100		3333UU5U5
	SLY PARK QUAD							
CAJSPK012o	JUNCTION RESERVOIR	38 51.1	D H	168.0	133000	187830	0	3333333
5	EL DURADO SILVER CR	120 27.2	OP	3250	0	0	0	
CN	SACRAMENTO MUD	142	248.0	1535.0	133000	187830		3333UUUUU
	RIVERTON AND PULLOCK PINE QU							
CAJSPK0131	LOON LAKE	39 0.1	S D H	108.0	74100	103276	0	3333333
5	EL DURADO GERLE CR	120 18.5	OP	76500	0	0	0	
CN	SACRAMENTO MUD	8	25.0	1133.0	74100	103276		3333UUUUU
	WENTWORTH AND LOON LAKE QUAD							
CA6SPK0105	MICHIGAN BAR	38 30.0		105.0	0	0	1790.1	UUUUUUU
D 5	EL DURADO CUSUMNES RIVE	121 3.0		84000	1307	6316	283.39	
CN		536	-510.3	88.9	1307	6316		UUUUUUUUU
	FOLSOM S.E. QUAD							
CA6SPK010o	MIDDLE END RESERVOIR	38 40.2		180.0	0	0	1623.2	UUUUUUU
I 5	EL DURADO NORTH FORK CO	120 32.2		7000	105	694	2336.3	
CN		43	-39.6	152.8	105	694		UUUUUUUUU
	SLY PARK QUAD							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) / (D M,M) / (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) / (KW)	EXIST.ENRG / TOT.ENERGY (MWH) / (MWH)	ANUL. COST / INC.ENERGY / ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA5SPK9040	PARK CREEK PH	38 43.8	HSIR	80.0	0	0	2159.4	UUUUUUU
S 2	EL DURADO S FORK AMERIC	120 28.2	FP	45000	6900	16418	131.52	
CN		160	280.0	196.8	6900	16418		UUUUUU5UU
	STUMP SPRINGS							
CA7SPK0107	PARK CREEK RESERVOIR	38 44.0		180.0	0	0	4412.2	UUUUUUU
E 5	EL DURADO PARK CREEK	120 28.9		7200	15109	22877	192.86	
CN		10	-22.4	1848.1	15109	22877		UUUUUUUUU
	STUMP SPRINGS QUAD							
CA6SPK0108	PI PI	38 34.3	I	294.0	0	0	3243.9	UUUUUUU
I 5	EL DURADO MIDDLE FORK C	120 25.5	SA	70000	103	666	4864.3	
CN		45	88.0	259.7	103	666		UUUUUU5UU
	CALDOR QUAD							
CA7SPK0109	PLUM CREEK RESERVOIR	38 45.0		170.0	0	0	1664.2	UUUUUUU
E 5	EL DURADO PLUM CREEK	120 24.9		8080	1581	6465	257.38	
CN		5	-7.2	1548.4	1581	6465		UUUUUU4UU
	RIVERTON QUAD							
CA7SPK9039	PLUM CREEK PH (ALDER DAM)	38 44.4	HSIR	360.0	0	0	10366	UUUUUUU
S 2	EL DURADO S FORK AMERIC	120 24.5	FP	175000	42700	105204	98.535	
CN		160	280.0	1283.7	42700	105204		UUUUUU5UU
	LEEK SPRING HILL,POLLOCK PIN							
CA4SPK0130	ROBBS PEAK	38 56.8	S D H	44.0	23750	27156	0	3333333
5	EL DURADO S FK RUBICON	120 23.2	UP	30	0	0	0	
CN	SACRAMENTO MUD	83	231.0	356.0	23750	27156		333UUUUU
	ROBBS PEAK QUAD							
CA6SPK0110	SALMON FALLS	38 45.9		250.0	0	0	10250	3342323
E 2	EL DURADO SOUTH FORK AM	121 1.0		112000	177087	242552	42.260	
CN		807	-1779.4	234.7	177087	242552		323UU5UU
	PILOT HILL + COLOMA QUADS							
CA7SPK0112	SALMON FALLS (ALTERNATE PLAN	38 49.9		137.0	0	0	4759.3	3342323
S 2	EL DURADO SOUTH FORK AM	120 56.9		6700	31648	162248	29.333	
CN		673	-565.7	449.5	31648	162248		322UU4UU
	SHINGLE SPRINGS, COLOMA, PIL							
CA7SPK0113	SILVER FORK PH	38 45.9		300.0	0	0	6551.3	UUUUUUU
S 5	EL DURADO SOUTH FORK AM	120 19.4		129000	38240	107991	60.665	
CN		180	-112.2	1588.4	38240	107991		UUUUUUUUU
	LEEK SPRING HILL QUAD							

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. *NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT *TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CAJSPK0134	SLAB CRK	38 46.3	S D H	233.0	190000	357133	0	3333333
5	EL DURADO S FK AMERICAN	120 41.9	OP	16600	0	0	0	
CN	SACRAMENTO MUD	497	1062.0	854.0	190000	357133		3333UUUUU
	SLATE MTN AND GARDEN VALLEY							
CA6SPK0114	SOPIAGO RESERVOIR	38 33.9		170.0	0	0	2807.9	UUUUUUU
S 5	EL DURADO SOPIAGO CREEK	120 31.1		12000	57	267	10491	
CN		11	-24.6	131.8	57	267		UUUUUUUUU
	UMO RANCH QUAD							
CADSPK0124	STUMPY MEADOWS RESERVOIR	38 54.2	S I O	0	0	0	410.31	33UU3U3
2	EL DURADO PILOT CR	120 36.2	OP	41055	4316	17230	23.813	
CN	GEORGETOWN DIVIDE P.U.D.	12	26.0	1739.2	4316	17230		3333UUUU5
	DEVIL PEAK QUAD							
CA6SPK0116	TEXAS HILL RESERVOIR	38 42.0	I	170.0	0	0	2174.3	UUUUUUU
I 5	EL DURADO WEBER CREEK	120 46.9	SI	22200	43	214	10155	
CN		24	-41.7	149.8	43	214		UUUUUUUUU
	PLACERVILLE QUAD							
CA1SPK0127	UNION VALLEY RESERVOIR	38 51.9	S H	453.0	33250	73730	0	3333333
5	EL DURADO SILVER CR	120 26.3	OP	271000	0	0	0	
CN	SACRAMENTO MUD	84	248.0	438.9	33250	73730		3333UUUUU
	RIVERTON QUAD							
CA5SPK0117	VAN WINKLE	38 42.0		20.0	0	0	1615.6	3332323
I 2	EL DURADO SOUTH FORK AM	120 11.9		0	11541	42672	37.860	
CN		37	70.0	1598.4	11541	42672		333UUUUUU
	SILVER LAKE QUAD							
CA6SPK0118	VOLCANO RESERVOIR	38 26.4		210.0	0	0	2853.7	UUUUUUU
I 5	EL DURADO SUTTER CREEK	120 40.9		15000	112	716	3982.2	
CN		40	-36.8	178.8	112	716		UUUUUUUUU
	PINE GROVE QUAD							
CAJSPK0150	BALCH AFTERBAY	36 54.4	H	178.0	44100	65684	0	3333333
5	FRESNO N FK KINGS RI	119 5.4	OP	394	0	0	0	
CN	PACIFIC GAS + ELECT CO	246	387.0	798.0	44100	65684		3333UUUUU
	PATTERSON MTN 15@ QUAD							
CAJSPK0149	BALCH DIVERSION	36 55.2	H	0	0	0	0	
4	FRESNO N. F. KINGS R	119 1.2	OP	0	0	0	0	
CN	PACIFIC GAS + ELECTRIC	233	387.0	2389.0	0	**********		

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) / (D M.M) / (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) / (AC FT) / (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) / (KW) / (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) / (MWH) / (MWH)	ANUL. COST / ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CACSPK0153	BEAR CREEK DIVERSION	37 20.1	H	55.0	0	0	49,159	33UU3U3
5	FRESNO BEAR CREEK	118 58.4	OP	103	51	394	124.55	
CN	SOUTHERN CALIF EDISON CO	54	90.0	47.9	51	394		3333UUUUU
	MT. ABBOT QUAD							
CAHSPK0163	BIG CREEK NO.2 PH	37 12.0	H	0	0	0	0	
4	FRESNO BIG CREEK	119 18.3	OP	0	0	0	0	
CN	SOUTHERN CALIF EDISON CO		0	1858.0	0	**********		
CAJSPK0155	BIG CREEK NO 6(DIVERSION DAM	37 12.4	H	140.0	106500	111140	6730.7	3333333
5	FRESNO SAN JOAQUIN R	119 19.7	OP	993	310757	100499	66,972	
CN	SOUTHERN CALIF EDISON CO	1224	419.0	827.0	417257	211639		3333UUUUU
	SHAVER LAKE QUAD							
CAJSPK0159	BIG CREEK NO 7 (REDINGER LAK	37 8.6	H	0	0	0	0	
4	FRESNO SAN JOAQUIN R	119 26.9	OP	0	0	0	0	
CN	SOUTHERN CALIF EDISON CO	1295	419.0	416.0	0	**********		
CA5SPK0138	CEDAR GROVE	36 49.9		160.0	0	0	**********	UUUUUUU
I 5	FRESNO SOUTH FORK KI	118 52.0		80000	948287	682654	*441115033	
CN		385	-545.5	2067.9	948287	682654		UUUUUUUUU
	TEPHITE DOME QUAD							
CALSPK0152	COURTRIGHT RESERVOIR	37 4.3	H	311.0	1050000	61059	0	3333333
5	FRESNO HELMS CREEK	118 57.9	UC	123300	0	0	0	
CN	PACIFIC GAS + ELECT CO	40	76.0	1600.0	1050000	61059		3333UUU4U
	BLACKCAP MTN QUAD							
CA5SPK9046	DINKEY CR PH2	37 2.1		1.0	0	0	3102.1	UUUUUUU
S 2	FRESNO DINKEY CREEK	119 8.1		0	60000	110965	27,955	
CN		105	-148.7	2217.7	60000	110965		UUUUUU5UU
	HUNNINGTON LAKE QUAD							
CA7SPK0139	DINKEY MEADOW RES (PH 1)	37 2.1	I AND R	380.0	0	0	13200	33UUUUU
S 2	FRESNO DINKEY CREEK	119 8.1		95000	60000	229070	57,625	
CN		105	-54.6	2223.7	60000	229070		UUUU4U5UU
	HUNNINGTON LAKE QUAD							
CAJSPK0157	HUNTINGTON LAKE NO 1	37 13.6	H	0	0	0	0	
4	FRESNO BIG CREEK	119 14.1	OP	0	0	0	0	
CN	SOUTHERN CALIF EDISON CO	420	224.0	2131.0	0	**********		

SITE ID / DEP ACTV CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA7SPK0141	JUNCTION RESERVOIR	36 50.7	H	200.0	0	0	8216.9	UUUUUUU
I 5	FRESNO KINGS RIVER	118 53.6	IS	1400	79804	83220	98.737	
CN		100	=120.6	1093.9	79804	83220		UUUUUUUUU
	TEHIPITE DOME QUAD							
CA6SPK0142	KELLERS RANCH	36 53.0		450.0	0	0	32366	UUUUUUU
D 5	FRESNO KINGS RIVER	119 7.9		133000	233176	360294	89.834	
CN		1530	=2103.7	279.7	233176	360294		UUUUUUUUU
	PATTERSON MTN							
CACSPK0160	LAKE THOMAS A EDISON (VERMIL	37 22.1	H S	167.0	0	0	167.34	33UU3U3
2	FRESNO MUNO CREEK	118 58.9	OP	125000	1112	5062	33. 58	
CN	SOUTHERN CALIF EDISON CO	90	152.0	157.8	1112	5062		3333UUUUU
	MOUNT ABBOT QUAD							
CA6SPK0143	LITTLE DRY CREEK	36 56.6	I	131.0	0	0	2292.2	UUUUUUU
S 5	FRESNO LITTLE DRY CR	119 41.4	SI	36000	0	0	69570398	
CN		40	=7.0	122.8	0	0		UUUUUUUUU
	FRIANT QUAD							
CAJSPK0161	MAMMUTH POOL RESERVOIR	37 19.3	H S	0	0	0	0	
4	FRESNO SAN JOAQUIN R	119 18.9	OP	0	0	0	0	
CN	SOUTHERN CALIF EDISON CO	1000	338.0	1100.0	0	**********		
CA6SPK0144	MILL CREEK	36 45.9		300.0	0	0	14801	UUUUUUU
I 5	FRESNO MILL CRK	119 22.0		355000	107	514	28776	
CN		127	=179.9	254.7	107	514		UUUUUUUUU
	PINE FLAT DAM QUAD							
CACSPK0165	MILLERTON LAKE (FRIANT DAM)	37 0.0	ISCR	319.0	0	0	306.50	33UU3U3
2	FRESNO SAN JOAQUIN R	119 42.2	OP	520500	2700	7842	39. 84	
CN	US = WPRS	1650	2664.0	241.2	2700	7842		3333UU5UU
	MILLERTON LAKE WEST/FRIANT Q							
CACSPK9026	MILLERTON (FRIANT-KERN CANAL	37 0.0	ISCR	319.0	0	0	1316.2	33UU3U3
2	FRESNO SAN JOAQUIN R	119 42.2	OP	520500	15000	69870	18.838	
CN	US = WPRS	1650	2664.0	86.9	15000	69870		3333UU5UU
	MILLERTON WEST/FRIANT QUAD							
CACSPK9027	MILLERTON (MADERA CANAL)	37 0.0	ICSR	319.0	0	0	554.78	33UU3U3
2	FRESNO SANJOAQUIN RI	119 42.2	OP	520500	5000	15653	35.441	
CN	US = WPRS	1650	2664.0	106.8	5000	15653		3333UU5UU
	MILLERTON LAKE WEST/FRIANT Q							

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CA6SPK0146	OWEN MOUNTAIN RESERVOIR	36 56.8		340.0	0	0	20823	UUUUUUU
S 5	FRESNO LITTLE DRY CR	119 39.9		750000	83	176	117675	
CN		40	-69.9	288.7	83	176		UUUUUUUUU
	FRIANT QUAD							
CACSPK0164	PINE FLAT LAKE	36 49.9	CIR	429.0	0	0	6460.5	3UU3U3
2	FRESNO KINGS RIVER	119 19.4	OP	1000000	292878	478687	13.496	
CN	DAEN SPK	1545	2242.0	375.1	292878	478687		33334UUUU
	PINE FLAT DAM QUAD							
CAJSPK1411	PORTAL POWERHOUSE FOREBAY	37 15.3	H	65.0	10000	51000	0	
9	FRESNO S FK SAN JOAQ	119 09.7	OP	0	0	0	0	
CN	SOUTHERN CALIF EDISON CO	341	485.0	229.7	10000	51000		
	KAISER PEAK 15#							
CA7SPK0147	RUSS	36 59.0		250.0	0	0	3889.7	UUUUUUU
S 5	FRESNO DINKEY CREEK	119 7.0		54000	11383	48329	80.483	
CN		89	-72.8	1098.9	11383	48329		UUUUUUUUU
	PATTERSON MTN QUAD							
CAJSPK0158	SHAVER LAKE	37 8.6	H	0	0	0	0	
4	FRESNO STEVENSON CRE	119 18.1	OP	0	0	0	0	
CN	SOUTHERN CALIF EDISON CO	472	224.0	2418.0	0	**********		
CA7SPK0148	TEHIPITE	36 50.9		280.0	0	0	5591.6	1242313
S 6	FRESNO MIDDLE FORK K	118 52.0		300	50847	137735	40.596	
CN		291	-126.2	1708.2	50847	137735		U33UUUUUU
	TEHIPITE DOME QUAD							
CAJSPK0151	WISHON	37 0.1	H	261.0	0	0	0	
4	FRESNO N FK KINGS RI	118 58.1	OP	128000	0	0	0	
CN	PACIFIC GAS + ELECT CO	181	362.0	2450.0	0	**********		
	PATTERSON MTN 15#							
CA6SPK0166	CLARK VALLEY	39 32.5	R	73.0	0	0	1028.7	UUUUUUU
E 5	GLENN S FK WILLOW C	122 22.9		6300	81	662	1553.6	
CN		39	-82.4	79.9	81	662		UUUUUUUUU
	FRUTO QUAD							
CA6SPK9020	RANCHERIA	39 39.0	IC	400.0	0	0	55991	UUUUUUU
S 5	GLENN STONY CREEK	122 30.4	IS	5040000	143047	84924	659.30	
CN		597	338.0	339.6	143047	84924		UUUUUUUUU
	JULIAN ROCKS QUAD							

SITE ID / PRIMARY CO. / OWNER / MAP REFERENCE	PROJECT NAME / NAME OF STREAM / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	LATITUDE / PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. (KW) / TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY (MWH) / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
DEP ACTV CODE INV POWER AREA							
CACSPK0170	STONY GORGE RESERVOIR	39 35.1	IO	119.0	0	0	423.68	33UU3U3
2	GLENN	STONY CREEK	122 31.9	OP	50380	3654	14102	30. 44	
CN	US = #PRS	301	303.0	111.8	3654	14102		3333UU4U4
	ELK CREEK QUAD							
CA6SPN0047	BUTLER VALLEY DAM	40 45.9	CSR	350.0	0	0	10401	5533434.
I 5	HUMBOLDT	MAD RIVER	123 53.2	SI	225000	113773	140609	73.974	
CN	CORPS	352	380.0	232.7	113773	140609		423123134.
CA6SPN0009	LARABEE	40 2.7	C	452.0	0	0	18930	33UU423.
D 5	HUMBOLDT	SO FK VAN DUZ	123 3.9	S1	70000	1437	7082	2672.7	
CN	CITY	56	205.0	364.9	1437	7082		322422231.
	BLOCKSBURG							
CA6SPN0008	SEQUOIA	40 1.9	CS	650.0	0	0	51666	33UUUUU.
I 6	HUMBOLDT	EEL RIVER	123 4.7	IS	1000000	2971740	1954743	26.431	
CN	STATE	2400	4795.0	599.2	2971740	1954743		222211341.
	BLOCKSBURG							
CA6SPN0010	YAGER	40 3.3	CS	235.0	0	0	6031.3	43UU3UU.
I 5	HUMBOLDT	YAGER CREEK	124 0.0	IS	120000	26708	54180	111.31	
CN	STATE	127	299.0	177.8	26708	54180		2222UUU31.
	FORTUNA							
CA6SPN0048	YELLOW JACTET	40 14.0	CSR	707.0	0	0	49907	5334424.
I 6	HUMBOLDT	LOWER EEL RIV	123 37.9	SI	6800000	2284720	1505980	33.139	
CN	CORPS	2195	3083.0	539.4	2284720	1505980		4344U4U41.
CACSPN0051	RUTH DAM	40 22.1	CS	182.0	0	0	360.51	4444424.
I 5	HUMBOLT	MAD RIVER	123 25.2	SI	120000	1128	6353	56.740	
CN	HUMBOLT BAY M.W.D.	121	380.0	119.8	1128	6353		222222244.
CACSPL0073	IMPERIAL DIVERSION	32 53.0	IRD	47.0	0	0	737.36	NNNNNNN
2	IMPERIAL	COLORADO	114 28.0	OP	85000	7288	46379	15.898	
CN	DOI USBR	187000	11250.0	20.7	7288	46379		NNNNNNNNN
	QUAD IMPERIAL RESERVOIR							
CAISPL5001	SENATOR WASH (RESERVOIR)	32 53.4	OHR	0	0	0	0	
0	IMPERIAL	SENATOR WASH=	114 28.4		0	0	0	0	
AR	DOI USBR	1	-0.8	-60.6	0	**********		

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CAISPL0076	HAIWEE	36 8.2	S	84.0	5600	1285	0	NNNNNNN
5	INYO RUSE VALLEY	117 56.8	OP	46280	0	0	0	
CN	CITY OF LOS ANGELES DWP	89	666.0	53.9	5600	1285		NNNNNNNYN
	QUAD HAIWEE RESERVOIR							
CAISPL0078	PLEASANT VALLEY	37 24.8	H S	87.0	3200	13338	0	NNNNNNN
5	INYO OWENS RIVER	118 31.1	OP	3825	0	0	0	
CN	CITY OF LOS ANGELES	574	-293.5	75.6	3200	13338		NNNNNNNYN
	QUAD MT TOM							
CACSPL0077	TINEMAHA	37 3.5	S	32.0	0	0	48,326	NNNNNNN
1	INYO OWENS RIVER	118 13.4	OP	16405	18	158	305.81	
CN	CITY OF LOS ANGELES	1915	535.0	22.4	18	158		NNNNNNNYN
	QUAD WAUCOBA MTN							
CA6SPK0171	ANT HILL	35 26.0	H,C,R	108.0	0	0	5133.8	UUUUUUU
I 5	KERN KERN RIVER	118 52.9	IS	70000	9158	38018	135. 3	
CN		2420	-956.1	86.9	9158	38018		U12UUU2UU
	OIL CENTER AND RIOBRAVO RANC							
CAHSPK9024	BOREL POWERHOUSE	35 35.2	H	0	9200	61592	0	3333333
5	KERN BOREL CANAL	118 31.5	OP	0	0	0	0	
CN	SO CAL ED CO	2074	-419.3	261.0	9200	61592		3333UUUUU
	MIRACLE HOT SPRINGS							
CACSPK0180	ISABELLA LAKE	35 38.8	CIR	185.0	0	0	1321.1	33U3U3
2	KERN KERN RIVER	118 28.9	OP	570000	21891	60473	21,846	
CN	DAEN SPK	2074	847.0	150.5	21891	60473		3333UU5U5
	LAKE ISABELLA NORTH QUAD							
CAHSPK0179	KERN CANYON PH	35 26.0	H	0	0	0	0	
4	KERN KERN RIVER	118 47.3	OP	0	0	0	0	
CN	PG AND E		0	260.0	0	**********		
CACSPK0177	KERN RIVER STATE PARK LAKE	35 26.4	S R	18.0	0	0	91. 89	33U3U3
5	KERN TR KERN R	118 52.0	OP	790	107	933	97,533	
CN	COUNTY OF KERN	2400	956.0	13.4	107	933		3333UUUUU
	RIO BRAVO RANCH QUAD							
CAHSPK0176	KERN RIVER NO. 1	35 31.5	H	28.0	16000	132114	0	3333333
5	KERN KERN RIVER	118 40.3	OP	15	0	0	0	
CN	SOUTHERN CALIF EDISON CO	2273	575.0	877.0	16000	132114		3333UUUUU
	SHASTA DAM QUAD							

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CAHSPK0178	KERN RIVER NO.3 POWERHOUSE	35 46.9	H	0	0	0	0	
4	KERN KERN RIVER	118 26.9	UP	0	0	0	0	
CN	SOUTHERN CALIF. EDISON	852	861.0	821.0	0	**********		
CA7SPK0174	ONYX	35 43.8		150.0	0	0	4606.9	UUUUUUU
S 5	KERN SOUTH FK KERN	118 10.1		72000	11499	43384	106.18	
CN		475	-44.6	1608.3	11499	43384		UUUUUUUUU
	ONYX QUAD							
CA4SPK0175	POSO	35 31.5		125.0	0	0	3857.7	UUUUUUU
I 5	KERN POSO CRK	118 56.0		50000	0	2	1518246	
CN		230	-130.3	48.9	0	2		UUUUUU4UU
	KNOB HILLS QUAD							
CA6SPK0181	BOGGS	38 50.9	S	190.0	0	0	3630.0	UUUUUUU
E 5	LAKE KELSEY CREEK	122 48.0		56500	108	543	6674.7	
CN		37	-81.8	161.8	108	543		UUUUUUUUU
	KELSEYVILLE QUAD							
CACSPK0197	CLEAR LAKE IMP	38 55.4	S I	38.0	0	0	250.98	33UU3U3
2	LAKE CACHE CR	122 33.9	UP	420000	2000	7500	33.464	
CN	YOLO CTY FCWCD	528	366.0	37.9	2000	7500		3333UUUUU
	LOWER LAKE QUAD							
CACSPK0186	INDIAN VALLEY RESERVOIR	39 5.0	ICR	207.0	0	0	358.75	33UU3U3
2	LAKE N FORK CACHE	122 32.0	UP	300600	3200	7200	49.826	
CN	YOLO COUNTY FCWC DISTRICT	121	-127.0	188.8	3200	7200		3333UUUU5
	CLEAR LAKE OAK 15 MIN QUAD							
CA6SPK0187	KELSEYVILLE LAKE	38 55.8		150.0	0	0	1302.2	UUUUUUU
D 5	LAKE KELSEY CREEK	122 50.8		50000	89	561	2317.7	
CN		43	-95.1	110.8	89	561		UUUUUUUUU
	KELSEYVILLE QUAD							
CA6SPK0188	KENNEDY FLATS	38 57.0		548.0	0	0	20536	UUUUUUU
I 5	LAKE CACHE CREEK	122 23.5		2300000	183827	99825	205.71	
CN		800	-376.2	521.4	183827	99825		UUUUUUUUU
	WILSON VALLEY							
CA0SPN0011	LAKE PILLSBURY (SCOTT)	39 24.4	H	138.0	0	0	3828.0	3U33445.
I 1	LAKE EEL RIVER	122 57.5	UP	86785	83	659	5802.0	
CN	PACIFIC GAS + ELECT CO	289	113.6	109.1	83	659		4U4442233.

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA6SPK0189	LAKEPORT LAKE	39 2.5	C AND I	100.0	0	0	1968.8	UUUUUUU
I 5	LAKE SCOTTS CREEK	122 58.0	IS	55000	2162	13699	143.72	
CN		52	58.0	167.8	2162	13699		UUUUUUUUU
	LAKEPORT QUAD							
CA6SPK0190	NOYES	38 46.5		255.0	0	0	5520.2	UUUUUUU
S 5	LAKE PUTAH CREEK	122 26.9		110000	796	3370	1657.5	
CN		113	-230.3	216.7	796	3370		UUUUUUUUU
	JERICHO VALLEY QUAD							
CA6SPK9019	PUTAH CREEK CANYON	38 47.9		85.0	0	0	1737.8	UUUUUUU
I 5	LAKE PUTAH CREEK	122 35.5		6200	0	4	408482	
CN		113	-177.0	71.9	0	4		UUUUUUUUU
	MIDDLETOWN QUAD							
CA6SPK0193	WILSON VALLEY	38 57.0		377.0	0	0	12046	UUUUUUU
S 5	LAKE CACHE CREEK	122 26.9		1000000	145743	73691	163.47	
CN		800	-376.2	369.6	145743	73691		UUUUUUUUU
	MORGAN VALLEY QUAD							
CA6SPK0198	BIG VALLEY	41 0.9		0	0	0	0	UUUUUUU
I 9	LASSEN PIT RIVER	121 16.0		1000000	0	0	0	
CN		2900	-559.4	840.0	0	**********		U11UUUUUU
	BIEBER AND PITTVILLE							
CACSPK0209	COYOTE FLAT RESERVOIR	40 54.4	S I D	52.0	0	0	185.54	3UU3U3
2	LASSEN COYOTE CR	120 59.1	OP	5250	1225	5293	35. 52	
CN	JOHN B. COUK	30	-215.8	40.9	1225	5293		3333UUUUU
	HAYDEN HILL QUAD							
CA6SPK0199	DEVILS CURRAL	40 24.0		189.0	0	0	1838.6	UUUUUUU
D 5	LASSEN SUSAN RIVER	120 45.4		30000	135	939	1957.3	
CN		184	-97.7	160.8	135	939		UUUUUUUUU
	WESTWOOD QUAD							
CA6SPK0201	FOURTH BUTTE	40 59.0	C,R,I	160.0	0	0	5546.8	UUUUUUU
I 5	LASSEN PIT RIVER	121 16.5		90000	24092	36135	153.50	
CN		2690	-538.5	135.8	24092	36135		UUUUUUUUU
	JELLICO,LITTLE VALLEY							
CAHSPK0214	HAT CREEK NO.1 PH	40 55.7	H	0	10000	19481	0	3333333
5	LASSEN HAT CREEK	121 32.4	OP	0	0	0	0	
CN	PG AND E	162	140.0	217.0	10000	19481		3333UUUUU
	BURNEY QUAD							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(AC FT)	(KW)	(MWH)	(1000 $)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)	($/MWH)	IMPACT CODE
CACSPK0212	HEATH RESERVOIR	40 50.5	D I R	45.0	0	0	152.91	33UU3U3
2	LASSEN SLATE CR	120 47.0	OP	8650	805	3607	42.385	
CN	F.E.+G.R. HEATH,JR.	22	=158.3	39.9	805	3607		3333UUUUU
CAJSPK0206	INDIAN OLE DAM (MTN MEADOWS	40 16.9	H	26.0	5390	23371	0	3333333
5	LASSEN HAMILTON CREE	121 1.5	OP	24800	0	0	0	
CN	PACIFIC GAS + ELECT CO	158	=223.8	410.0	5390	23371		3333UUUUU
	CHESTER QUAD							
CA6SPK0203	LONG VALLEY	39 53.4		104.0	0	0	2276.3	UUUUUUU
I 5	LASSEN LONG VALLEY C	120 3.5		20000	0	3	741351	
CN		120	=132.1	87.9	0	3		UUUUUUUUU
	CHILCOOT QUAD							
CA6SPK0204	MCCALLISTER	40 26.4		90.0	0	0	1097.1	UUUUUUU
S 5	LASSEN WILLOW CREEK	120 26.9		7900	85	604	1815.9	
CN		202	=107.3	76.9	85	604		UUUUUU4UU
	LITCHFIELD QUAD							
CA6SPK0205	PETES VALLEY	40 29.4		90.0	0	0	2419.8	UUUUUUU
S 5	LASSEN WILLOW CREEK	120 28.0		25000	11	79	30613	
CN		244	=129.6	76.9	11	79		UUUUUU4UU
	LITCHFIELD QUAD							
CAISPL0079	CASTAIC	34 31.1	I R S	335.0	56000	7793	0	YNNNNNN
5	LOS ANGELES CASTAIC CR	118 36.2	OP	345000	0	0	0	
CN	CAL DEPT WATER RES	154	=45.0	314.6	56000	7793		NNNNNNNNN
	QUAD WARM SPRINGS MTN							
CACSPL0086	COGSWELL	34 14.6	C	265.0	0	0	99.124	YNNNNNN
2	LOS ANGELES W FK SAN GABR	117 57.9	OP	10446	511	2222	44.596	
CN	LOS ANGELES COUNTY FCD	39	25.0	244.7	511	2222		NNNNNNNNN
	QUAD AZUSA							
CACSPL0092	MORRIS	34 10.4	S	245.0	0	0	162.40	YNNNNNN
2	LOS ANGELES SAN GABRIEL R	117 52.8	OP	44271	1109	2435	66.674	
CN	METROPOLITAN WATER DIST	217	=117.3	221.7	1109	2435		NNNNNNNNN
	QUAD AZUSA							
CACSPL0080	PYRAMID	34 38.6	I R S	382.0	0	0	2382.0	YNNNNNN
2	LOS ANGELES PIRU CREEK	118 45.7	OP	171196	56063	17604	135.30	
CN	CAL DEPT WATER RES	293	=159.1	353.6	56063	17604		NNNNNNNNN
	QUAD BLACK MTN							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CACSPL0091	SAN GABRIEL	34 12.4	C	310.0	0	0	224.20	YNNNNNN
2	LOS ANGELES SAN GABRIEL R	117 51.4	OP	44614	1814	3570	62.796	
CN	LOS ANGELES COUNTY FCD	203	145.0	281.7	1814	3570		NNNNNNNNN
	QUAD GLENDORA							
CAISPK0228	BASS LAKE (CRANE VALLEY STOR	37 17.5	H	0	0	0	0	
4	MADERA N FK SAN JOAQ	119 31.8	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	50	83.0	118.0	0	**********		
CAHSPK0234	BIG CREEK NO.8 PH	37 12.0	H	0	0	0	0	
4	MADERA BIG CREEK	119 19.7	OP	0	0	0	0	
CN	SOUTHERN CALIF EDISON CO		0	713.0	0	**********		
CA7SPK0216	CHIQUITO RESEVOIR	37 24.2		170.0	0	0	5228.0	3342313
E 6	MADERA CHIQUITO CREE	119 22.2	I,	75000	93951	78185	66.867	
CN		146	-90.9	1648.3	93951	78185		U33UUUUUU
	SHUTEYE PEAK							
CAJSPK0229	CORRINE LK(SAN JOAQUIN NO 1A	37 9.4	H	0	0	0	0	
4	MADERA TRI N FK SAN	119 29.5	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	51	85.0	47.0	0	**********		
CA7SPK0218	FORKS	37 26.1	SIRH	270.0	0	0	5984.8	3242323
S 2	MADERA SAN JOAQUIN R	119 14.6	IS	38500	53443	286242	20.908	
CN		850	-763.0	588.4	53443	286242		333UUUUUU
	KAISER PEAK,SHUTEYE PEAK,15>							
CA7SPK0219	GRANITE CREEK RESERVOIR	37 30.3	I,C,R	350.0	0	0	7811.4	UUUUUUU
I 5	MADERA GRANITE CREEK	119 14.5		150000	54478	100233	77.932	
CN		48	-64.7	2987.0	54478	100233		UUUUUUUUU
	MERCED PEAK							
CACSPK0235	H V EASTMAN LAKE (BUCHANAN D	37 13.0	CIR	205.5	0	0	40.217	33UU3U3
5	MADERA CHOWCHILLA RI	119 58.9	OP	150000	65	266	150.82	
CN	DAEN SPK	254	102.0	177.8	65	266		3333UU5UU
	RAYMOND QUAD							
CACSPK0236	HENSLEY LAKE (HIDDEN DAM)	37 6.5	CIR	163.0	0	0	156.39	33UU3U3
2	MADERA FRESNO RIVER	119 52.9	OP	90000	984	4228	36.985	
CN	DAEN SPK	234	106.0	133.8	984	4228		3333UU5U4
	RAYMOND QUAD							

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA7SPK0220	JACKASS	37 28.6	HSR	175.0	0	0	9344.0	3242323
I 2	MADERA NORTH FORK SA	119 18.2	IS	0	158482	234419	39.860	
CN		84	185.0	2087.9	158482	234419		323UUUUU4
	SHUTEYE PEAK, DEVILS PUSTPIL							
CAJSPK0231	KERCKHUFF DIVERSION	37 7.6	H	106.0	140000	264100	2979.6	3333333
2	MADERA SAN JOAQUIN R	119 31.5	OP	4300	34080	280000	10.641	
CN	PACIFIC GAS + ELECT CO	1461	2372.0	349.6	174080	544100		3333UUU5U
	NORTH FORK AND MILLERTON LAK							
CA6SPK0221	LEWIS	37 22.1	I	125.0	0	0	2035.4	UUUUUUU
I 5	MADERA LEWIS FORK	119 38.1		15000	93	393	5176.7	
CN		28	-48.9	105.8	93	393		UUUUUUUUU
	BASS LAKE QUAD							
CAJSPK0232	MANZANITA LK(SAN JOAQUIN NO	37 14.6	H	0	0	0	0	
4	MADERA N FK SAN JOAQ	119 30.8	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	50	85.0	404.0	0	**********		
CA7SPK0223	MILLER BRIDGE	37 30.7	C	325.0	0	0	6578.2	3342323
S 2	MADERA SAN JOAQUIN R	119 11.9	IS	63000	58541	163329	40.275	
CN		249	-295.4	874.1	58541	163329		U33UUU4U4
	DEVILS PUSTPILE, KAISER PEAK							
CAJSPK0230	SAN JOAQUIN P.H. NO. 3 FOREB	37 15.1	H	0	0	0	0	
4	MADERA TRI N FK SAN	119 31.8	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	50	85.0	402.0	0	**********		
CA6SPK0226	TEMPERANCE FLAT	37 5.1	H	410.0	0	0	15103	3242333
E 2	MADERA SAN JOAQUIN R	119 33.4	IS	0	392519	619106	24.395	
CN		1570	-2540.3	394.6	392519	619106		312UUUUUU
	MILLERTON LAKE EAST							
CA7SPK0227	WINDY GAP	37 21.1		180.0	0	0	2472.1	UUUUUUU
I 5	MADERA FRESNO RIVER	119 45.0		32000	5159	19098	129.44	
CN		102	-29.0	1178.8	5159	19098		UUUUUUUUU
	BASS LAKE QUAD							
CAHSPK0233	WISHON POWERHOUSE	37 9.0	H	0	12800	46483	1721.0	3333333
5	MADERA WILLOW CREEK	119 30.2	OP	0	49654	37099	46.390	
CN	PG AND E	55	-93.7	1411.0	62454	83582		3333UUUUU
	NORTH FORK QUAD							

SITE ID / PROJECT NAME / PRIMARY CO. -NAME OF STREAM / LATITUDE LONGITUDE / PROJ. PURP. STATUS / DAM HT TOT. STOR PWR. HD. / EXIST. CAP. INC. CAP. TOT. CAP. / EXIST. ENRG INC. ENERGY TOT. ENERGY / ANUL. COST ENERGY COST / ENVIRONMENTAL IMPACT CODE
DEP ACTV / OWNER / MAP REFERENCE / DR. AREA (D M.M) (D M.M) (SQ. MI) / AVE. Q (CFS) / (AC FT) (FT) / (KW) (KW) / (MWH) (MWH) / (1000 $) ($/MWH) / SOCIAL IMPACT CODE
CACSPK0248	BEAR DAM	37 22.1	C	92.0	0	0	36,495	33UU3U3
5	MARIPOSA BEAR CREEK	120 13.7	OP	7700	0	7	5200.0	
CN	DAEN SPK	72	-72.1	70.9	0	7		3333UUUUU
	OWENS RESERVOIR QUAD							
CAMSPK0247	CASCADE (YOSEMITE POWERHOUSE	37 43.2	H	0	0	0	0	
4	MARIPOSA MERCED RIVER	119 42.1	OP	0	0	0	0	
CN	NATIONAL PARK SERVICE	323	606.0	356.0	0	**********		
CA6SPK0239	HITE COVE	37 38.0		1000.0	0	0	54412	UUUUUUU
I 5	MARIPOSA SOUTH FORK ME	119 50.0		50000	185229	201342	270.24	
CN		185	-348.3	999.0	185229	201342		UUUUUUUUU
	EL PORTAL QUAD							
CAJSPK0245	LAKE MCCLURE (NEW EXCHEQUER	37 35.1	H I R	0	0	0	0	
4	MARIPOSA MERCED RIVER	120 16.1	OP	0	0	0	0	
CN	MERCED IRR DIST	1020	1300.0	464.0	0	**********		
CACSPK0249	MARIPOSA DAM	37 17.5	C	88.0	0	0	36,134	33UU3U3
5	MARIPOSA MARIPOSA CREE	120 8.7	OP	15000	0	4	8100.0	
CN	DAEN SPK	108	-67.3	73.9	0	4		3333UUUUU
	OWENS RESERVOIR QUAD							
CAISPK0246	MCSWAIN RESERVOIR	37 30.9	H I R	0	0	0	0	
4	MARIPOSA MERCED RIVER	120 19.4	OP	0	0	0	0	
CN	MERCED IRR DIST	1040	1339.0	56.0	0	**********		
CA6SPK0241	NORWEGIAN GULCH RESERVOIR	37 29.0		110.0	0	0	1832.4	UUUUUUU
I 5	MARIPOSA UPPER BEAR CR	120 6.3		7000	0	1	960009	
CN		22	-66.9	88.9	0	1		UUUUUUUUU
	COULTERVILLE, QUAD							
CAASPK0250	OWENS DAM	37 18.9	C	75.0	0	0	35,936	33UU3U3
5	MARIPOSA OWENS CREEK	120 11.0	OP	3600	0	1	18435	
CN	DAEN SPK	26	-26.0	60.4	0	1		33331UUUU
	OWENS RESERVOIR QUAD							
CA6SPK0242	SOUTH FORK MERCED DIVERSION	37 36.7		470.0	0	0	5673.0	UUUUUUU
S 5	MARIPOSA SOUTH FORK ME	119 43.3		70000	24518	50445	112.45	
CN		134	-252.3	388.6	24518	50445		UUUUUUUUU
	YOSEMITE QUAD							

SITE ID / DEP / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	NAME OF STREAM	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA7SPK0243	SWEETWATER		37 39.0		100.0	0	0	3196.6	UUUUUUU
S 5	MARIPOSA	SOUTH FORK ME	119 54.9		50000	9248	35762	89.383	
CN			228	-187.7	299.7	9248	35762		UUUUUUUUU
	EL PORTAL QUAD								
CA6SPN0014	BELL SPRINGS		39 5.3	CS	490.0	0	0	31583	33UU424.
D 6	MENDOCINO	EEL RIVER	123 2.7	1S	500000	1194352	688579	45.867	
CN	STATE		1570	3425.0	439.5	1194352	688579		32242UUU1.
	UPDEGRAFF RIDGE								
CA6SPN0017	BRANSCOMB		39 4.1	CS	200.0	0	0	3746.5	44UU424.
I 5	MENDOCINO	SO FK EEL RIV	123 3.9	1S	5000	1559	9928	377.34	
CN			45	205.0	139.8	1559	9928		UUU322U31.
	LINCOLN RIDGE								
CA6SPN0023	DOS RIOS		39 5.9	CS	730.0	0	0	77225	55UU424.
I 6	MENDOCINO	EEL RIVER	123 18.0	S1	600000	724710	333306	231.69	
CN	CORPS		745	-1001.0	666.3	724710	333306		4242233U1.
	DOS RIOS								
CA6SPN0018	FELIZ LOWER SITE		38 5.9	C	178.0	0	0	0	43UU423.
I 5	MENDOCINO	FELIZ CREEK	123 0.7	S1	21800	0	3	0	
CN			39	49.0	149.8	0	3		4UU433UU4.
	HOPLAND								
CA6SPN0020	FORSYTHE		39 17.9	C	304.0	0	0	5897.4	423U423.
I 5	MENDOCINO	FORSYTHE CREE	123 15.0	S1	30000	2995	16808	350.86	
CN			35	51.0	269.7	2995	16808		UUU444344.
	REDWOOD VALLEY								
CA6SPN0019	REDWOOD VALLEY		39 1.9	C	205.0	0	0	3229.2	42UU433.
I 5	MENDOCINO	RUSSIAN RIVER	123 1.5	S1	13000	104	411	7839.7	
CN			14	4400.0	174.8	104	411		4UU44UUU4.
	REDWOOD VALLEY								
CACSPN0024	RUSSIAN RIVER RESERVOIR COYO		39 12.0	CRS	160.0	0	0	556.94	434U3U3.
I 2	MENDOCINO	RUSSIAN RIVER	123 7.9	OP	122500	2629	16466	33.822	
CN	CORPS		105	-392.9	100.3	2629	16466		UUUU44455.
CA6SPN0015	SPENCER FRANCISCAN		39 4.7	C1	360.0	0	0	13289	3UUU4U4.
I 5	MENDOCINO	MD FK EEL RIV	123 0.8	S1	33000	198345	91272	145.60	
CN			425	822.0	319.6	198345	91272		3UU4IIU31.
	COVELO EAST								

SITE ID / DEP ACTV CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. (KW) / TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY (MWH) / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA6SPN0016	VALLEYS END	39 2.5	CS	1661.0	0	0	64614	U4UU4U4.
D 5	MENDOCINO TOMKI CREEK	123 13.0	IS	27000	1406	9182	7036.8	
CN		48	89.0	119.8	1406	9182		322433UU1.
	POTTER VALLEY							
CAJSPN0061	VAN ARSDLE/POTTER VALLEY	39 22.8	IHC	96.0	9000	4307	0	433U4U4.
D 5	MENDOCINO EEL RIVER	123 7.8	DP	40000	0	0	0	
CN	PACIFIC GAS AND ELECTRIC CO.	35	210.0	59.9	9000	4307		3UU444444.
CACSPK0256	BURNS DAM	37 22.6	C	53.0	0	0	36. 59	33UU3U3
5	MERCED BURNS CREEK	120 16.5	DP	6800	0	2	12888	
CN	DAEN SPK	74	-74.1	32.4	0	2		3333UUUUU
	HAYSTACK MTN QUAD							
CACSPK0253	CROCKER DIVERSION	37 30.9	I	22.0	0	0	347.28	33UU3U3
5	MERCED MERCED RIVER	120 22.1	DP	300	1420	6448	53.853	
CN	MERCED IRR DIST	1045	1339.0	13.3	1420	6448		3333UUUUU
	SAN MATEU QUAD							
CAISPK0255	MERCED FALLS	37 30.9	H	38.0	3440	16108	0	3333333
5	MERCED MERCED RIVER	120 19.7	DP	900	0	0	0	
CN	PACIFIC GAS + ELECT CO	1061	1339.0	32.9	3440	16108		3333UUUUU
	MERCED FALLS QUAD							
CA6SPK0252	MONTGOMERY	37 33.5	I	101.0	0	0	9298.4	UUUUUUU
I 5	MERCED DRY CREEK	120 27.9	SI	241000	1	3	2565677	
CN		67	-67.1	89.9	1	3		UUUUUU4UU
	SNELLING QUAD							
CAISPK0258	ONEILL FOREBAY	37 5.3	HOI	0	0	0	0	
4	MERCED SAN LUIS CREE	121 2.3	DP	0	0	0	0	
CN	DOI USBR	1	0	50.0	0	**********		
CAJSPK0259	SAN LUIS RESERVOIR	37 3.5	ISHR	0	0	0	0	
4	MERCED SAN LUIS CREE	121 4.4	DP	0	0	0	0	
CN	DOI USBR	83	0	327.0	0	**********		
CA6SPK0260	ALLEN CAMP DAM	41 20.7	I,C,R	129.0	0	0	5121.7	UUUUUUU
I 5	MODOC PIT RIVER	121 8.2	PA	74000	853	4246	1206.0	
CN		1550	220.0	80.9	853	4246		UUUUU4U4
	CANBY AND CRANK MTN QUAD							

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) / (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) / (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) / (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) / (MWH)	ANUL. COST / ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CACSPN0268	CLEAR LAKE	41 55.6	IC	0	0	0	36.802	4443404.
I 1	MODOC LOST RIVER	121 4.4	OP	566000	0	8	4369.3	
CN	DOI USBR	670	167.0	29.9	0	8		UU34U2344.
CA6SPK0261	ROUND VALLEY	41 12.0	CI	88.0	0	0	3208.9	UUUUUUU
I 5	MODOC ASH CREEK	120 52.0	IS	72000	106	698	4593.2	
CN		258	-82.8	74.9	106	698		UUUUUUUUU
	ADIN QUAD							
CA4SPK0270	ANTELOPE VALLEY	38 30.9	R,I	77.0	0	0	**********	UUUUUUU
E 5	MONO WEST WALKER	119 26.9		88000	87368	117652	520937532	
CN		176	-168.2	1198.8	87368	117652		UUUUUU4UU
	DESERT CRK QUAD							
CACSPL0096	BRIDGEPORT	38 19.5	I	63.0	0	0	168.61	NNNNNNN
2	MONO EAST WALKER R	119 12.6	OP	42455	1220	3566	47.275	
CN	WALKER RIVER IRR DIST	358	-135.7	51.9	1220	3566		NNNNNNNNN
	QUAD BRIDGEPORT							
CACSPL0095	LAKE CROWLEY LONG VALLEY	37 35.3	H S	126.0	0	0	35. 79	NNNNNNN
1	MONO OWENS RIVER	118 42.2	OP	183465	0	0	39659	
CN	CITY OF LOS ANGELES	437	-139.3	111.8	0	0		NNNNNNNYN
	QUAD CASA DIABLO MTN							
CA7SPK0271	LEAVITT	38 19.9		103.0	0	0	8086.2	UUUUUUU
I 5	MONO WEST WALKER R	119 33.0		51000	597	2484	3254.2	
CN		73	-73.5	399.6	597	2484		UUUUUUUUU
	PICKEL MDW QUAD							
CA1SPL0098	LUNDY LAKE	38 1.9	H I	0	0	0	0	
0	MONO MILL CREEK	119 13.1		0	0	0	0	
CN	SOUTHERN CALIF EDISON CO	20	-37.4	-34.0	0	**********		
CA6SPK0272	PICKLE MEADOWS	38 21.7	I	190.0	0	0	4059.8	UUUUUUU
S 5	MONO WEST WALKER R	119 29.5	SI	110000	812	4370	928.83	
CN		115	190.0	145.8	812	4370		UUUUUUUUU
	FALES HOT SPRINGS QUAD							
CA6SPK0273	WILLOW FLAT	38 17.1		142.0	0	0	3358.4	UUUUUUU
I 5	MONO LITTLE WALKER	119 27.1		18000	87	519	6463.0	
CN		15	-40.6	141.8	87	519		UUUUUUUUU
	FALES HOT SPRINGS QUAD							

SITE ID / DEP ACTV CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CARSPN0026	SAN ANTONIO	35 45.5	ICR	202.0	0	0	36.73	3U42424.
I 5	MONTEREY SAN ANTONIO R	120 52.3	IS	350000	13	33	1064.2	
CN	MONTEREY COUNTY FCWCD	324	-104.8	159.8	13	33		3U244U344
CA6SPN0025	SAN CLEMENTE	36 24.0	ICS	455.0	0	0	6307.9	33UU323.
I 5	MONTEREY CARMEL RIVER	121 41.9	S1	154000	465	2342	2692.3	
CN	CORPS OF ENG.	111	82.0	384.6	465	2342		4434UUU44.
	CARMEL VALLEY							
CA6SPK0274	ADAMS	38 42.0	I,C	135.0	0	0	2417.2	UUUUUUU
D 5	NAPA ETICUVERA CRE	122 17.4		34400	82	291	8284.0	
CN		54	-70.3	114.8	82	291		UUUUUUUUU
	ST. HELENA QUAD							
CA6SPK0275	GOODINGS	38 36.9	I	110.0	0	0	1225.6	UUUUUUU
I 5	NAPA MAXWELL CREEK	122 20.9		50500	0	0	1249424	
CN		39	-50.7	93.9	0	0		UUUUUUUUU
	ST. HELENA, CHILES VALLEY QU							
CACSPK5001	MONTICELLO DAM (LAKE BERRYES	38 30.7	IRS	304.0	0	0	894.95	33UU3U3
2	NAPA PUTAH CREEK	122 6.2	OP	1900000	10000	42698	20.959	
CN	US - WPRS	566	488.0	287.7	10000	42698		3333UU5UU
	MONTICELLO DAM QUAD							
CA6SPK9021	SNELL	38 39.4		315.0	0	0	11095	UUUUUUU
I 5	NAPA PUTAH CREEK	122 18.5		394000	23473	26676	415.91	
CN		253	-265.6	267.7	23473	26676		UUUUUUUUU
	WALTER SPRINGS QUAD							
CA6SPK0278	WALTER SPRINGS	38 38.6		80.0	0	0	2095.7	UUUUUUU
I 5	NAPA PUPE CREEK	122 21.4		24500	0	3	639830	
CN		78	-159.0	67.9	0	3		UUUUUUUUU
	WALTER SPRINGS QUAD							
CACSPK0306	ANTHONY HOUSE	39 14.0	S	92.0	0	0	36.325	33UU3U3
5	NEVADA DEER CREEK	121 13.1	OP	3840	1	10	3589.5	
CN	LAKE WILDWOOD ASSN	80	133.0	53.9	1	10		3333UUUUU
	NORTH BLOOMFIELD QUAD							
CA6SPK0280	BITNEY CORNER	39 14.4	S,I,R	173.0	0	0	2143.6	UUUUUUU
D 5	NEVADA DEER CREEK	121 7.5	IS	20000	95	609	3518.9	
CN		85	-132.2	146.8	95	609		UUUUUUUUU
	GRASS VALLEY							

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CACSPK0312	BOCA RESERVOIR	39 23.2	IROHS	103.0	0	0	174.49	33UU3U3
2	NEVADA LITTLE TRUCKE	120 5.6	OP	41110	1076	5209	33.497	
CN	US = WPRS	180	190.0	83.3	1076	5209		3333UU5U5
	BOCA QUAD							
CAJSPK0286	BOWMAN LAKE (RUCKFILL)	39 26.8	I S	0	0	0	0	
4	NEVADA CANYON CREEK	120 39.0	OP	0	0	0	0	
CN	NEVADA IRR DIST	118	100.0	318.0	0	**********		
CACSPK9032	BOWMAN RESERVOIR OUTLET TO C	39 26.8	ISH	175.0	0	0	392. 4	33UU3U3
2	NEVADA CANYON CREEK	120 39.0	OP	68200	3500	16030	24.457	
CN	NEVADA IRR DIST	118	100.0	161.8	3500	16030		3333UU5UU
CAGSPK0308	CHICAGO PARK FOREBAY	39 10.7	H	35.0	37350	140000	0	3333333
5	NEVADA BEAR RIVER	120 53.4	OP	0	0	0	0	
CN	NEVADA IRRIGATION DIST.	215	-654.2	469.5	37350	140000		3333UUUUU
	CHICAGO PARK QUAD							
CACSPK0290	COMBIE	39 0.5	I S	85.0	0	0	126.69	33UU3U3
2	NEVADA BEAR RIVER	121 3.4	OP	9000	525	2900	43.687	
CN	NEVADA IRR DIST	130	400.0	73.9	525	2900		3333UU5U5
	LAKE COMBIE QUAD							
CACSPK0287	DEER CREEK DIVERSION	39 16.1	I S	92.0	0	0	162.86	33UU3U3
2	NEVADA DEER CREEK	120 57.1	OP	1400	993	4450	36.596	
CN	NEVADA IRR DIST	120	671.0	85.5	993	4450		3333UU4UU
	NORTH BLOOMFIELD QUAD							
CAJSPK0310	DEER CREEK POWERHOUSE	39 16.9	H	0	5500	41300	0	3333333
5	NEVADA DEER CREEK	120 50.6	OP	0	0	0	0	
CN	PG AND E	17	97.0	837.0	5500	41300		3333UUUUU
	WASHINGTON QUAD							
CACSPK0296	DUTCH FLAT AFTERBAY	39 12.8	H I R S	165.0	0	0	43.127	33UU3U3
5	NEVADA BEAR RIVER	120 50.5	OP	1300	99	631	68.298	
CN	NEVADA IRR DIST	23	27.0	149.8	99	631		3333UUUUU
	DUTCH FLAT QUAD							
CAJSPK0297	DUTCH FLAT 2 FOREBAY	39 13.4	H I R S	77.0	23400	120000	0	3333333
5	NEVADA TRI BEAR RIVE	120 50.0	OP	185	0	0	0	
CN	NEVADA IRR DIST	194	342.0	589.4	23400	120000		3333UUUUU
	DUTCH FLAT QUAD							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. -NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
CA6SPK9022	EDWARDS CROSSING	39 19.8	CIHR	700.0	0	0	18978	1UUUUUU
I 5	NEVADA SOUTH YUBA RI	120 59.6	IS	600000	179151	154612	122.74	
CN		274	307.0	678.3	179151	154612		UUUUUU1UU
	USGS QUADRANGLE NORTH BLOOMF							
CAHSPK0309	FARAD POWERHOUSE	39 24.8	H	0	0	0	0	
4	NEVADA TRUCKEE RIVER	120 1.0	OP	0	0	0	0	
CN	SIERRA PACIFIC POWER CO.	961	802.0	83.0	0	**********		
CAJSPK0298	FULLER LAKE	39 20.7	H	36.0	6300	19554	0	3333333
5	NEVADA JORDAN CREEK	120 38.9	OP	1060	0	0	0	
CN	PACIFIC GAS + ELECT CO	71	234.0	318.0	6300	19554		3333UUUUU
	BLUE CANYON QUAD							
CA6SPK0282	GARDEN BAR	39 2.1		320.0	0	0	8077.0	UUUUUUU
I 5	NEVADA BEAR RIVER	121 8.5		300000	3083	10828	745.91	
CN		210	-308.5	171.8	3083	10828		UUUUUUUUU
CACSPK0305	HOUR HOUSE	39 24.8	D I R H	68.0	0	0	167.58	33UU3U3
2	NEVADA M FK YUBA R	120 59.6	OP	0	854	3947	42.448	
CN	YUBA COUNTY WATER AGENCY	145	365.0	68.3	854	3947		3333UUU2U
	PIKE QUAD							
CACSPK0293	JACKSON MEADOWS	39 30.5	H I R S	170.0	0	0	386.42	33UU3U3
2	NEVADA MIDDLE FK YUB	120 33.2	OP	75000	3500	9340	41.373	
CN	NEVADA IRR DIST	38	123.0	183.8	3500	9340		3333UUUU4
	SIERRA CITY QUAD							
CACSPK0299	LAKE FORDYCE	39 22.8	H	140.0	0	0	170.12	33UU3U3
2	NEVADA FORDYCE CREEK	120 29.6	OP	4666	1119	4321	39.367	
CN	PACIFIC GAS + ELECT CO	32	140.0	137.3	1119	4321		3333UUU2U
	DONNER PASS QUAD							
CAISPK0300	LAKE SPAULDING	39 19.5	H	0	0	0	0	
4	NEVADA SOUTH FK YUBA	120 38.5	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	189	203.0	197.0	0	**********		
CACSPK5002	NEW DRUM AFTERBAY	39 15.3	H	95.0	0	0	78. 88	33UU3U3
5	NEVADA BEAR RIVER	120 46.4	OP	341	184	67	1159.0	
CN	PACIFIC GAS + ELECT CO	194	559.0	74.9	184	67		3333UUU2U
	WASHINGTON QUAD							

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CACSPK0313	PROSSER CREEK RESERVOIR	39 22.8	HCURIS	163.0	0	0	149.89	33UU3U3
2	NEVADA PROSSER CREEK	120 8.3	OP	41200	868	3032	49.424	
CN	US = WPRS	50	77.0	91.9	868	3032		3333UU5U5
	TRUCKEE QUAD							
CAISPK0294	ROLLINS	39 8.2	H I R S	260.0	11000	38697	0	3333333
5	NEVADA BEAR RIVER	120 56.9	OP	85000	0	0	0	
CN	NEVADA IRRIGATION DISTRICT	104	398.0	238.9	11000	38697		3333UUUUU
	CHICAGO PARK QUAD							
CACSPK0292	SCOTTS FLAT	39 16.3	I R S	195.0	0	0	155.93	33UU3U3
2	NEVADA DEER CREEK	120 55.6	OP	53000	1000	24349	6.4041	
CN	NEVADA IRR DIST	120	671.0	158.8	1000	24349		3333UU5U4
	NORTH BLOOMFIELD QUAD							
CA7SPK0284	WASHINGTON	39 20.9	H	400.0	0	0	7603.0	UUUUUUU
I 5	NEVADA SOUTH YUBA RI	120 50.0	IS	125800	19216	70154	108.37	
CN		122	-123.4	934.0	19216	70154		UUUUUUUUU
	WASHINGTON QUAD							
CAHSPK9029	ALTA FOREBAY	39 13.2	H	0	2000	4434	0	3333333
5	PLACER UPPER BOARDMA	120 47.1	OP	0	0	0	0	
CN	PACIFIC GAS AND ELECTRIC	5	21.7	660.0	2000	4434		3333UUUUU
	DUTCH FLAT QUAD							
CA6SPK0314	AUBURN DAM	38 51.9	IHCSR	700.0	0	0	88054	UUUUUUU
I 5	PLACER AMERICAN RIVE	121 3.3	UC	2500000	637288	857968	102.63	
CN		982	2200.0	694.3	637288	857968		UUUUUUUUU
	AUBURN QUAD							
CACSPK0325	CAMPFAR WEST	39 2.9	IR	185.0	0	0	686.9	33UU3U3
2	PLACER BEAR RIVER	121 18.9	OP	103000	6800	26900	25.505	
CN	SOUTH SUTTER WATER DIST	280	464.0	163.8	6800	26900		3333UU5UU
	CAMP FAR WEST QUAD							
CA7SPK0317	COON CREEK	38 58.4	I	207.0	0	0	3172.5	UUUUUUU
I 5	PLACER COON CREEK	121 13.4	IS	65000	105	692	4584.0	
CN		40	-42.2	195.8	105	692		UUUUUUUUU
	AUBURN QUAD							
CAJSPK0326	DRUM FOREBAY	39 14.8	H	0	0	0	0	
4	PLACER DRUM CANAL	120 44.9	OP	0	0	0	0	
CN	PACIFIC GAS +ELECT CO	194	559.0	1375.0	0	**********		

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CAJSPK0336	DUTCH FLAT NO.1 POWERHOUSE	39 13.0	H	0	22000	54800	0	3333333
5	PLACER BEAR RIVER	120 50.2	OP	0	0	0	0	
CN	PG AND E	215	-654.2	642.3	22000	54800		3333UUUUU
	DUTCH FLAT QUAD							
CAJSPK0327	HALSEY FOREBAY	38 58.2	H	42.0	12000	66600	0	3333333
5	PLACER DRY CREEK	121 2.3	OP	235	0	0	0	
CN	PACIFIC GAS + ELECT CO	299	-659.2	319.6	12000	66600		3333UUUUU
	AUBURN							
CAJSPK0333	INTERBAY	39 1.5	S H	0	0	0	0	
4	PLACER M FK AMERICAN	120 36.0	OP	0	0	0	0	
CN	PLACER CTY WATER AGENCY	214	105.0	1344.0	0	**********		
CAJSPK0331	L L ANDERSON	39 6.7	SDIRH	229.0	15300	22857	0	3333333
5	PLACER M FK AMERICAN	120 28.0	OP	133700	0	0	0	
CN	PLACER CTY WATER AGENCY	57	25.0	639.0	15300	22857		3333UUUUU
	BUNKER HILL QUAD							
CACSPK0328	LAKE ALTA	39 12.2	HIS	22.0	0	0	35,164	33UU3U3
5	PLACER TRI N FK AMER	120 48.8	OP	270	0	0	491764	
CN	PACIFIC GAS + ELECT CO	0	-0.4	18.9	0	0		3333UUUUU
	DUTCH FLAT QUAD							
CACSPK0330	LAKE VALLEY	39 17.9	H I	74.0	0	0	35,339	33UU3U3
5	PLACER TRI N FK AMER	120 35.9	OP	8127	0	0	90983	
CN	PACIFIC GAS + ELECT CO	5	-11.5	70.4	0	0		3333UUUUU
	HONCUT QUAD							
CA6SPK0320	LINCOLN	38 58.0	I	60.0	0	0	12914	UUUUUUU
I 5	PLACER COON CREEK	121 17.4		15000	0	2	6414000	
CN		72	-112.0	48.9	0	2		UUUUUUUUU
	LINCOLN QUAD							
CAHSPK0337	LJ STEPHENSON (M.FK) PH	39 1.5	H	0	0	0	0	
4	PLACER M.FK AMERICAN	120 35.7	OP	0	0	0	0	
CN	PLACER CTY WATER AGENCY		0	2101.0	0	**********		
CACSPK0332	LOWER HELL HOLE	39 3.5	S D I H	410.0	0	0	95,588	33UU3U3
2	PLACER RUBICON R	120 24.4	OP	260000	500	2000	47,794	
CN	PLACER COUNTY WATER AGENCY	114	27.0	358.6	500	2000		3333UU5U4
	BUNKER HILL QUAD							

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CACSPK0311	MARTIS CREEK LAKE	39 19.5	CR	113.0	0	0	42.893	33U3333
5	PLACER MARTIS CREEK	120 6.7	OP	34360	10	93	457.73	
CN	DAEN SPK	40	16.0	63.9	10	93		3333UUUUU
	MARTIS PEAK QUAD							
CACSPK0338	NORTH FORK LAKE	38 56.2	DR	155.0	0	0	1346.8	33U3U3
2	PLACER NORTH FORK AM	121 1.4	OP	14700	23270	63498	21.210	
CN	DAEN SPK	342	801.0	153.8	23270	63498		3333UU5U4
	AUBURN QUAD							
CA6SPK0321	PAGGE	39 5.9		280.0	0	0	2781.9	UUUUUUU
I 5	PLACER PAGGE CRK	120 48.0		69000	48	208	13343	
CN		6	-13.8	237.7	48	208		UUUUUUUUU
	FORESTHILL QUAD							
CAISPK0334	RALSTON AFTERBAY	39 0.1	S D I H	89.0	6570	26240	0	3333333
5	PLACER M FK AMERICAN	120 44.6	OP	2782	0	0	0	
CN	PLACER CTY WATER AGENCY	429	1132.0	72.9	6570	26240		3333UUUUU
	MICHIGAN BLUFF QUAD							
CA6SPK0322	SOUTH HONCUT CREEK	39 23.4		168.0	0	0	2664.3	UUUUUUU
I 5	PLACER SOUTH HONCUT	121 20.9		38000	111	617	4316.7	
CN		31	-74.7	142.8	111	617		UUUUUUUUU
	BANGOR QUAD							
CAGSPK0335	WISE POWERHOUSE	38 53.4	H	33.0	12000	75000	0	3333333
5	PLACER BUCK CREEK	121 5.9	OP	550	0	0	0	
CN	PACIFIC GAS AND ELEC.	305	-672.5	518.4	12000	75000		3333UUUUU
	AUBURN QUAD							
CA6SPK0340	ABBEY BRIDGE	39 38.4	R	117.0	0	0	1622.1	UUUUUUU
I 5	PLUMAS RED CLOVER CR	120 33.0		45000	0	1	952686	
CN		96	-105.7	60.9	0	1		UUUUUUUUU
	BLAIRSDEN AND PORTOLA QUADS							
CACSPK0353	ANTELOPE VALLEY RESERVOIR	40 10.8	R	105.0	0	0	114.94	33U3U3
5	PLUMAS INDIAN CREEK	120 36.3	OP	30000	450	1400	82.104	
CN	CAL DEPT WATER RES	71	69.0	82.4	450	1400		3333UUUUU
	ANTELOPE LAKE QUAD							
CAHSPK0366	BELDEN POWERHOUSE	40 0.0	H	0	0	0	0	
4	PLUMAS NORTH FORK FE	121 13.0	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO		0	770.0	0	**********		

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CACSPK0363	BUCKS LAKE (STORAGE)	39 53.8	H I	122.0	0	0	39.236	33UU3U3
5	PLUMAS BUCKS CREEK	121 12.1	OP	127000	49	130	300.26	
CN	PACIFIC GAS + ELECT CO	31	-61.4	107.8	49	130		3333UUUUU
	BUCKS LAKE QUAD							
CAJSPK0358	BUTT VALLEY RESERVOIR	40 6.9	H I	0	0	0	0	
4	PLUMAS BUTT CREEK	121 8.7	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	578	84.0	1150.0	0	**********		
CAJSPK0364	CARIBOU AFTERBAY (BELDEN FOR	40 4.7	H	0	0	0	0	
4	PLUMAS N FK FEATHER	121 9.5	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	612	1321.0	770.0	0	**********		
CA6SPK0341	CLIO	39 48.9		150.0	0	0	4658.0	UUUUUUU
D 5	PLUMAS MF FEATHER RI	120 37.5		100000	1218	5866	794.3	
CN		686	-302.3	125.8	1218	5866		UUUUU1UUU
	SIERRA, BLAIRSDEN CITY QUAD							
CAJSPK0360	CRESTA FOREBAY	39 52.6	H	0	0	0	0	
4	PLUMAS N FK FEATHER	121 22.2	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	1820	2900.0	290.0	0	**********		
CACSPK0352	FRENCHMAN LAKE	39 53.4		139.0	0	0	96.714	33UU3U3
5	PLUMAS LIT LAST CHAN	120 11.1	OP	80000	450	1000	96.714	
CN	CAL DEPT WATER RES	82	29.0	107.8	450	1000		3333UUUU5
	CHILCOOT QUAD							
CA7SPK0343	GENESEE	40 2.9		44.0	0	0	3109.1	UUUUUUU
I 5	PLUMAS INDIAN CREEK	120 48.0		60000	19402	53240	58.399	
CN		530	-508.3	189.8	19402	53240		UUUUUUUUU
	GREENVILLE QUAD							
CAJSPK5003	GRIZZLY FOREBAY	39 53.4	H I	87.0	66000	201348	0	3333333
5	PLUMAS GRIZZLY CREEK	121 17.3	OP	1250	0	0	0	
CN	PACIFIC GAS + ELECT CO	146	234.0	2558.0	66000	201348		3333UUUUU
	PULGA QUAD							
CA6SPK0344	HUMBUG VALLEY	40 5.9		104.0	0	0	2386.8	UUUUUUU
I 5	PLUMAS YELLOW CRK	121 11.4		55000	0	0	4360331	
CN		32	-63.4	79.9	0	0		UUUUUUUUU
	ALMANOR QUAD							

SITE ID / PRIMARY CO. / DEP ACTV CODE INV / POWER AREA	PROJECT NAME / NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. STATUS / AVE. Q (CFS)	DAM HT TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG INC.ENERGY TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA5SPK0345	INDIAN FALLS	40 1.9		50.0	0	0	12498	UUUUUUU
I 5	PLUMAS INDIAN CREEK	121 1.0		0	17855	67345	185.58	
CN		746	-229.5	489.5	17855	67345		UUUUUUUUUU
	GREENVILLE AND ALMANDOR							
CAJSPK0359	LAKE ALMANOR	40 10.4	H I	0	0	0	0	
4	PLUMAS N FK FEATHER	121 5.5	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	503	916.0	358.0	0	**********		
CACSPK0354	LAKE DAVIS (GRIZZLY VALLEY)	39 52.8	R S	134.0	0	0	114.98	33UU3U3
5	PLUMAS BIG GRIZZLY C	120 28.4	OP	125000	510	1500	76.657	
CN	CAL DEPT WATER RES	44	38.0	94.9	510	1500		3333UUUUU
	CROCKETT PEAK QUAD							
CACSPK0355	LITTLE GRASS VALLEY	39 43.2	H I S	210.0	0	0	45.541	33UU3U3
5	PLUMAS S FK FEATHER	121 1.2	OP	93010	114	544	83.634	
CN	OROVILLE WYANDOTTE I D	27	99.0	190.8	114	544		3333UUUUU
	AMERICAN HOUSE QUAD							
CADSPK0362	LOWER BUCKS LAKE (BUCKS DIVE	39 54.0	H I	99.0	0	0	310.9	33UU3U3
2	PLUMAS BUCKS CREEK	121 13.5	OP	5843	2607	6821	45.458	
CN	PACIFIC GAS + ELECT CO	31	-61.4	705.2	2607	6821		3333UUU4U
	BUCK LAKE QUAD							
CA7SPK0346	MEADOW VALLEY	39 57.0		464.0	0	0	15674	3142323
E 6	PLUMAS SPANISH CRK	121 0.0	IS	900000	120340	405884	38.618	
CN		70	-494.6	1374.6	120340	405884		U112UUUUU
	BUCKS LAKE 15 MIN QUAD							
CA6SPK0347	NELSON POINT	39 50.9	IR	365.0	0	0	6517.6	UUUUUUU
D 5	PLUMAS MF FEATHER RI	120 54.4	IS	116000	63961	60881	107.5	
CN		202	-314.0	359.6	63961	60881		U1UUUUUUU
	UNION VALLEY QUAD							
CAJSPK0361	ROCK CREEK	39 59.2	H	0	0	0	0	
4	PLUMAS N FK FEATHER	121 16.9	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	1760	2450.0	535.0	0	**********		
CA6SPK0348	ROCK CREEK	39 55.4		165.0	0	0	2907.4	UUUUUUU
E 5	PLUMAS ROCK CREEK	121 1.5		21000	63	217	13379	
CN		30	-59.4	139.8	63	217		UUUUUUUUU
	BUCKS LAKE QUAD							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CACSPK0357	SLATE CREEK DIVERSION	39 36.9	H I S	72.0	0	0	39,201	33UU3U3
5	PLUMAS SLATE CREEK	121 2.8	OP	900	6	60	652.76	
CN	OROVILLE WYANDOTTE I D	50	222.0	48.9	6	60		3333UUUUU
	STRAWBERRY VALLEY QUAD							
CACSPK0356	SOUTH FORK DIV	39 38.8	H I S	60.0	0	0	38,726	33UU3U3
5	PLUMAS S FK FEATHER	121 7.1	OP	130	4	37	1038.7	
CN	OROVILLE WYANDOTTE I D	39	160.0	38.9	4	37		3333UU5UU
	AMERICAN HOUSE QUAD							
CA7SPK0349	SQUAW QUEEN	40 2.9	HR	184.0	0	0	5166.6	UUUUUUU
S 5	PLUMAS LAST CHANCE C	120 34.4	IS	100000	12243	63175	81.781	
CN		198	-73.6	1678.3	12243	63175		UUUUUUUUU
	KETTLE ROCK QUAD							
CA7SPK0350	TURNTABLE	39 51.5	HIR	245.0	0	0	5258.8	UUUUUUU
S 5	PLUMAS MF FEATHER RI	120 52.0	IS	47800	4456	18626	282.33	
CN		200	-145.9	207.7	4456	18626		U1UUUUUUU
	BLUE NOSE MTN QUAD							
CA7SPK0351	YELLOW CRK	40 0.9		120.0	0	0	3223.7	UUUUUUU
I 5	PLUMAS YELLOW CRK	121 15.0		55000	10953	21757	148.16	
CN		35	-20.5	2144.8	10953	21757		UUUUUUUUU
	ALMANOR QUAD							
CACSPL0104	MATHEWS	33 49.9	S	264.0	0	0	51,383	NNNNNNN
1	RIVERSIDE TRI CAJALCO C	117 27.6	OP	182000	150	853	60,210	
CN	METROPOLITIAN WATER DIST	40	950.0	249.7	150	853		NNNNNNNNN
	QUAD LAKE MATHEWS							
CACSPL9998	PRADO DAM	34 54.0	C	106.0	0	0	35,306	NNNNNNN
1	RIVERSIDE SANTA ANA RIV	117 37.9	OP	314375	0	0	1363485	
CN	DAENSPL	2255	136.0	29.9	0	0		NNNNNNNNN
	QUADS PRADO DAM CORONA NORTH							
CA6SPK0367	COUNTY LINE	38 34.5	C,I,R	75.0	0	0	2133.7	UUUUUUU
I 5	SACRAMENTO DEER CREEK	121 1.9		40000	0	0	6667085	
CN		35	-46.7	67.9	0	0		UUUUUUUUU
	FOLSOM QUAD							
CAJSPK0371	FOLSOM LAKE	38 42.4	ISHCNRO	0	0	0	0	
4	SACRAMENTO AMERICAN RIVE	121 9.4	OP	0	0	0	0	
CN	DOI USBR	1875	3779.0	300.0	0	**********		

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA4SPK0368	HUTSON SCHOOL	38 15.5		95.0	0	0	6172.8	UUUUUUU
I 5	SACRAMENTO DRY CREEK	121 9.1		200000	0	0	6810171	
CN		304	-185.4	61.9	0	0		UUUUUUUUU
CAISPK0372	NIMBUS (LAKE NATOMA)	38 37.8	CO	0	0	0	0	
1	SACRAMENTO AMERICAN RIVE	121 13.3	OP	0	0	0	0	
CN	DOI USBR	51	89.0	-38.6	0	**********		
CACSPK0373	CAMANCHE RESERVOIR	38 13.4	H S	171.0	0	0	898.76	33UU3U3
2	SAN JOAQUIN MOKELUMNE RIV	121 1.1	OP	431000	9000	35000	25.678	
CN	EAST BAY M U DIST	621	832.0	136.1	9000	35000		3333UU5UU
	CLEMENTS QUAD							
CACSPK0375	FARMINGTON DAM	37 54.4	C	58.0	0	0	35.367	33UU3U3
5	SAN JOAQUIN ROCK AND LITT	120 56.0	OP	120000	0	0	152037	
CN	DAEN SPK	212	-129.3	24.9	0	0		3333UUUUU
	FARMINGTON QUAD							
CACSPN0028	NACIEMENTO	35 45.5	ICR	210.0	0	0	36.348	434U3U3.
I 5	SAN LUIS OBI NACIEMENTO RI	120 52.3	IS	350000	17	47	770.33	
CN	MONTEREY COUNTY FCWCD	324	-104.8	216.0	17	47		U33544334.
CA6SPN0030	PESCADERO	37 16.5	S	233.0	0	0	0	UU3U443.
I 5	SAN MATEU PESCADERO CR	122 17.4	S1	54000	0	1	0	
CN		38	33.0	199.8	0	1		UU3444444.
	LA HONDA							
CACSPL0128	GIBRALTER	34 31.5	S	165.0	0	0	39.691	YNNNNNN
1	SANTA BARBAR SANTA YNEZ RI	119 41.1	OP	10800	56	220	179.97	
CN	CITY OF SANTA BARBARA	210	-86.5	141.8	56	220		NNNNNNNNN
	QUAD LITTLE PINE MTN							
CACSPL1408	LAKE CACHUMA-BRADBURY	34 34.9	ISR	206.0	0	0	37.667	NNNNNNN
1	SANTA BARBAR SANTA YNEZ RI	119 58.8	OP	204870	32	73	515.44	
CN	DOI USBR	421	-98.1	159.8	32	73		NNNNNNNNN
	QUAD LAKE CACHUMA							
CACSPN0040	LEROY ANDERSUN DAM	37 10.0	I S	240.0	0	0	99.347	4233424.
I 5	SANTA CLARA COYOTE CREEK	121 37.7		91300	500	2200	45.157	
CN	SANTA CLARA COUNTY FCWD	193	45.0	189.8	500	2200		334333333.

SITE ID / DEP CODE / POWER AREA	ACTV INV	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CACSPN0039	I 5 CN	LEXINGTON RESERVIOR / SANTA CLARA LOS GATOS CRE / SANTA CLARA COUNTY FCWD	37 12.0 / 121 59.2 / 38	S / SI / 45.0	205.0 / 2021 / 179.8	0 / 14 / 14	0 / 85 / 85	36.188 / 421.32	3233334. / 4334UUUUU.
CA6SPN0041	I 5 CN	SOQUEL / SANTA CRUZ SOQUEL CREEK / LAUREL	37 0.1 / 122 54.0 / 32	/ / 36.0	260.0 / 70800 / 209.7	0 / 0 / 0	0 / 1 / 1	0 / 0	33UU424. / 2344222U1.
CABSPK0405	2 CN	ANDERSON CUTTONWOOD DIVERSIO / SHASTA SACRAMENTO RI / ANDERSON CUTTONWOOD I D / REDDING QUAD	40 35.5 / 122 23.5 / 6468	I / OP / 8747.0	20.0 / 100 / 9.9	0 / 14500 / 14500	0 / 79000 / 79000	2944.8 / 37.276	33UU3U3 / 3333UU5UU
CA7SPK0376	I 5 CN	BATTLE CREEK DIVERSION DAM / SHASTA BATTLE CREEK / TUSCAN BUTTES	40 25.2 / 122 1.5 / 332	/ / -533.6	244.0 / 44600 / 194.8	0 / 24596 / 24596	0 / 57072 / 57072	10904 / 191. 5	UUUUUUU / UUUUUUU5U
CA6SPK0377	I 5 CN	BELLA VISTA / SHASTA LITTLE COW CR / MILLVILLE QUAD	40 36.1 / 122 13.5 / 120	R,C,S / IS / -155.7	130.0 / 400000 / 137.8	0 / 987 / 987	0 / 6356 / 6356	4562.8 / 717.80	UUUU2UU / UUUUUUUU4
CA5SPK0378	I 6 CN	BIG SPRINGS NO 3 / SHASTA MCCLOUD RIVER / SHOEINHORSE QUAD	41 11.0 / 122 3.9 / 369	/ / -967.4	50.0 / 0 / 296.7	0 / 36638 / 36638	0 / 178235 / 178235	3789.5 / 21.261	3342313 / U33UUUUUU
CA7SPK0380	S 6 CN	CHONTON TUBAS / SHASTA MCCLOUD RIVER / SHOEINHORSE MTN + BOLLIBOKKA	41 2.0 / 122 12.9 / 604	RSH / / -1469.2	258.0 / 52000 / 257.7	0 / 36854 / 36854	0 / 192971 / 192971	8614.8 / 44.642	3342313 / U23UUUUUU
CAJSPK0406	4 CN	COLEMAN FOREBAY / SHASTA TRI BATTLE CR / PACIFIC GAS + ELECT CO	40 24.8 / 122 6.7 / 332	H / OP / 540.0	0 / 0 / 482.0	0 / 0 / 0	0 / 0 / **********	0 / 0	
CAGSPK0421	2 CN	COW CREEK POWERHOUSE / SHASTA SOUTH COW CRE / PACIFIC GAS AND ELECT. / MILLVILLE QUAD	40 34.1 / 122 1.0 / 72	H / OP / -86.7	0 / 0 / 715.0	1440 / 15782 / 17222	11720 / 21393 / 33114	959.61 / 44.855	3333333 / 3333UUUUU

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA6SPK0382	DUTCH GULCH RESERVOIR	40 22.8	I,C,R	265.0	0	0	64610	UUUUUUU
D 5	SHASTA COTTONWOOD CR	122 29.5	DM	1100000	59131	93982	687.47	
CN		395	453.0	207.7	59131	93982		UUUU4U4UU
	UNO AND OLINDA							
CA4SPK0383	FALL RIVER MILLS	41 0.9	S	113.0	0	0	4690.5	UUUUUUU
E 5	SHASTA PIT RIVER	120 26.0		175000	1576	8485	552.79	
CN		2754	-490.6	95.9	1576	8485		UUUUUUUUU
	FALL RIVER MILLS QUAD							
CA6SPK0384	FIDDLERS LAKE	40 19.9	CIR	345.0	0	0	10828	UUUUUUU
D 5	SHASTA MIDDLE FORK C	122 39.5	IS	450000	22106	52492	206.28	
CN		222	248.0	323.6	22106	52492		U3UU4U4UU
	UNO QUAD							
CA6SPK0385	GAS POINT (M=5)	40 22.8		212.0	0	0	29396	UUUUUUU
I 5	SHASTA NORTH FORK CO	122 30.8		490000	44323	74054	396.95	
CN		388	-715.6	171.8	44323	74054		UUUU5U5UU
	UNO							
CA7SPK0386	GIRVAN RESERVOIR COTTONWOOD	40 30.9	H	70.0	0	0	20370	UUUUUUU
I 5	SHASTA CLEAR CRK	122 23.5		26000	6062	9970	2043.0	
CN		238	-343.2	59.9	6062	9970		UUUUUUUUU
	REDDING							
CAJSPK0412	HAT CREEK NO 2 DIVERSION	40 57.0	H	0	0	0	0	
4	SHASTA HAT CREEK	121 32.7	OP	0	0	0	0	
CN	PACIFIC GAS AND ELECT.	431	140.0	217.0	0	**********		
CA6SPK0387	HULEN LAKE	40 27.0	CIR	280.0	0	0	6569.5	UUUUUUU
E 5	SHASTA NORTH FORK CO	122 33.4	IS	331000	1702	10349	634.74	
CN		86	104.0	258.7	1702	10349		1UUUUU5UU
	UNO QUAD							
CAJSPK0417	IRON CANYON RESERVOIR	41 2.5	H	0	0	0	0	
4	SHASTA CEDAR SALT LO	121 59.1	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	431	1084.0	1226.0	0	**********		
CAHSPK1439	JUDGE FRANCIS CARR POWERHOUS	40 38.8	H	91.0	141444	719373	0	3333333
5	SHASTA TRINITY RIVER	122 37.5	OP	0	0	0	0	
CN	US = WPRS	713	1632.0	695.0	141444	719373		3333UUUUU
	TRINITY DAM, FRENCH GULCH, W							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
CA6SPK0388	KANAKA	40 31.9		460.0	0	0	13670	UUUUUUU
I 5	SHASTA CLEAR CRK	122 31.5		415000	106036	73451	186.11	
CN		228	-328.8	390.6	106036	73451		UUUUUUUUU
	FRENCH GULCH QUAD							
CAISPK0424	KESWICK RESERVOIR	40 36.7	HOCR	0	0	0	0	
4	SHASTA SACRAMENTO RI	122 26.5	OP	0	0	0	0	
CN	DOI USBR	6704	8747.0	78.0	0	**********		
CAGSPK0422	KILARC POWERHOUSE	40 40.2	H	0	3000	23671	1979.5	3333333
2	SHASTA N. FK. COW CR	121 51.7	OP	0	39475	133125	14.869	
CN	PACIFIC GAS + ELECT.	29	-214.7	1150.0	42475	156797		3333UUUUU
	WHITMORE QUAD							
CAJSPK0409	LAKE BRITTON (PIT NO 3 DAM)	41 1.3	H	0	0	0	0	
4	SHASTA PIT RIVER	121 40.5	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	4747	2770.0	315.0	0	**********		
CACSPK0410	LAKE MCCLOUD	41 7.8	H	230.0	0	0	1252.4	33UU3U3
2	SHASTA MCCLOUD RIVER	122 4.2	OP	35300	23745	145952	8.5814	
CN	PACIFIC GAS + ELECT CO	420	1020.0	218.7	23745	145952		3333UUUUU
	SHOEINHORSE MTN QUAD							
CA6SPK0389	LOWER COTTONWOOD (M-1)	40 22.4		251.0	0	0	43389	UUUUUUU
E 5	SHASTA COTTONWOOD CR	122 18.5		3540000	64550	97728	443.98	
CN		877	-843.5	195.8	64550	97728		UUUUUU4UU
	ANDERSON?QUAD							
CA6SPK9017	MID-1	40 22.8		210.0	0	0	18670	UUUUUUU
E 5	SHASTA MIDDLE FORK C	122 32.7		223000	3294	15042	1241.1	
CN		247	-356.2	161.8	3294	15042		UUUUUU4UU
	UNO QUAD							
CA6SPK0392	MILLVILLE LAKE	40 32.7		185.0	0	0	3913.9	UUUUUUU
S 5	SHASTA SOUTH COW CRE	122 6.4		160000	747	4820	811.94	
CN		85	-110.3	153.8	747	4820		UUUUUUUUU
	MILLVILLE QUAD							
CA6SPK0393	MILLVILLITO	40 32.3		247.0	0	0	6416.2	UUUUUUU
D 5	SHASTA SOUTH COW CRE	122 7.8		150000	3800	20080	319.53	
CN		163	-261.9	209.7	3800	20080		UUUUUUUUU
	MILLVILLE QUAD							

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA6SPK0390	M=2	40 22.4		235.0	0	0	61175	UUUUUUU
E 5	SHASTA NORTH FORK CO	122 24.1		1625000	61901	99541	614.57	
CN		470	=866.8	182.8	61901	99541		UUUUUU4UU
	ANDERSON QUAD							
CA6SPK0395	OLD COW	40 33.9		154.0	0	0	3002.0	UUUUUUU
S 5	SHASTA OLD COW CRK	122 5.5		18000	273	2198	1365.7	
CN		75	=97.3	122.8	273	2198		UUUUUUUUU
	MILLVILLE QUAD							
CA6SPK0396	PALO CEDRO RESERVOIR	40 28.2		90.0	0	0	7020.6	UUUUUUU
D 5	SHASTA COW CREEK	122 13.7		160000	2987	20374	344.58	
CN		433	=599.4	73.9	2987	20374		UUUUUU4UU
	BALLS FERRY QUAD							
CAJSPK0410	PIT FOUR RESERVOIR	40 59.2	H	0	0	0	0	
4	SHASTA PIT RIVER	121 46.1	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	4784	2797.0	382.0	0	**********		
CAJSPK0413	PIT NO 1 FOREBAY	41 0.5	H	40.0	56000	264100	0	3333333
5	SHASTA FALL RIVER	121 26.8	OP	2800	0	0	0	
CN	PACIFIC GAS + ELECT CO	676	=1772.3	453.5	56000	264100		3333UUUUU
	FALL RIVER MILLS AND JELLICO							
CACSPK0418	PIT NO 5 DIVERSION	40 59.4	H	52.0	0	0	70.761	33UU3U3
5	SHASTA PIT RIVER	121 52.1	OP	390	151	401	176.31	
CN	PACIFIC GAS +ELECT. CO.	4711	2931.0	40.2	151	401		3333UUUUU
	MONTGOMERY CREEK QUAD							
CAJSPK0414	PIT NO 6 RESERVOIR	40 55.4	HS	0	0	0	0	
4	SHASTA PIT RIVER	121 59.6	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	5451	5000.0	155.0	0	**********		
	MONTGOMERY CREEK 15> QUAD							
CAJSPK0415	PIT NO 7 RESERVOIR	40 50.7	H	0	0	0	0	
4	SHASTA PIT RIVER	121 59.3	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	5601	5590.0	205.0	0	**********		
CA5SPK0397	PIT NO.2	41 0.0		10.0	0	0	3702.8	UUUUUUU
S 5	SHASTA PIT RIVER	121 33.9		0	13594	67899	54.534	
CN		4150	=1032.5	102.8	13594	67899		UUUUUUUUU
	BURNEY QUAD							

SITE ID / PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY TOT.ENERGY (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA6SPK0398 SAELTZER LAKE	40 34.9		220.0	0	0	11468	UUUUUUU
S 5 SHASTA CLEAR CREEK	122 31.1		200000	21519	33765	339.64	
CN	231	-333.1	204.7	21519	33765		UUUUUU4UU
ULINDA QUAD							
CA6SPK0399 SALZMAN (M-3)	40 22.6		190.0	0	0	34210	UUUUUUU
E 5 SHASTA NORTH FORK CO	122 24.5		620000	24524	61531	555.98	
CN	431	-794.9	144.8	24524	61531		UUUUUU4UU
ANDERSON QUAD							
CA7SPK0400 SELVESTER	40 24.0		325.0	0	0	3852.2	UUUUUUU
I 5 SHASTA MF COTTONWOOD	122 45.4		325000	184	1487	2589.8	
CN	30	-12.9	399.6	184	1487		UUUUUUUUU
CHANCHELULLA PEAK QUAD							
CAISPK0425 SHASTA LAKE	40 43.0	ISHNCRU	533.0	454324	1814050	12638	3333333
5 SHASTA SACRAMENTO RI	122 25.2	OP	4552090	639838	132812	95.163	
CN US - WPRS	6665	7683.0	325.5	1094162	1946863		3333UU4UU
SHASTA QUAD							
CA5SPK0401 SUGAR LOAF	40 44.0		10.0	0	0	1472.8	3232313
I 6 SHASTA HAT CREEK	121 26.0		0	5203	42347	34.779	
CN	155	-111.4	594.4	5203	42347		U33UUUUUU
PROSPECT PEAK QUAD							
CA6SPK0402 TOWERHOUSE	40 40.0		400.0	0	0	30932	UUUUUUU
I 5 SHASTA CLEAR CREEK	122 37.9		468000	85640	60829	508.51	
CN	180	-259.5	399.6	85640	60829		UUUUUUUUU
FRENCH GULCH QUAD							
CAJSPK0411 TUNNEL RESERVOIR(PIT NO. 5 F	40 59.9	H	0	0	0	0	
4 SHASTA SUGAR PINE CR	121 53.2	OP	0	0	0	0	
CN PACIFIC GAS + ELECT CO	4900	2797.0	615.0	0	**********		
CA6SPK0403 VACACILLA	40 38.4		168.0	0	0	12774	UUUUUUU
I 5 SHASTA LITTLE COW CR	122 12.5		150000	641	4217	3029.1	
CN	98	-127.2	121.8	641	4217		UUUUUU4UU
BELLA VISTA QUAD							
CAGSPK0423 VOLTA POWERHOUSE	40 27.4	H	0	6400	39600	135.54	3333333
2 SHASTA MILL SEAT CRE	121 52.3	OP	0	1000	5000	27.108	
CN PACIFIC GAS AND ELECT.	99	-239.5	1252.7	7400	44600		3333UUU5U
MANTON QUAD							

SITE ID / DEP ACTV CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CACSPK0427	WHISKEYTOWN RESERVOIR	40 35.9	IHROS	282.0	0	0	331.9	3333333
2	SHASTA CLEAR CREEK	122 32.2	FP	241100	3000	17331	19.103	
CN	US = WPRS	201	=395.0	248.2	3000	17331		3333UU5UU
	FRENCH GULCH QUAD							
CAJSPK9025	WHISKEYTOWN DIVERSION SPRING	40 31.0	IHROS	282.0	150000	608276	0	3333333
5	SHASTA CLEAR CREEK	122 32.5	OP	241100	0	0	0	
CN	US = WPRS	201	1700.0	625.0	150000	608276		3333UUUUU
	FRENCH GULCH 15> QUAD							
CA6SPK0404	WILLOW	41 9.4		291.0	0	0	9532.5	UUUUUUU
I 5	SHASTA SQUAW VALLEY	122 9.9		250000	2003	10600	899.27	
CN		42	=83.6	246.7	2003	10600		UUUUUUUUU
	SHOEINHORSE MTN QUAD							
CA5SPK0429	GOODYEARS BAR	39 33.0		40.0	0	0	13227	3342323
I 2	SIERRA N FK YUBA RIV	120 52.0		0	447607	662690	19.960	
CN		239	=727.3	1528.4	447607	662690		333UUUUUU
	DOWNIEVILLE AND SIERRA CITY							
CA6SPK0430	INDIAN VALLEY	39 30.9		440.0	0	0	12598	3342323
I 2	SIERRA N FK YUBA RIV	121 1.0		180000	160011	235119	53.584	
CN		304	=925.1	429.5	160011	235119		321UUUUUU
	STRAWBERRY VAL AND CAMPTUNVI							
CA7SPK0431	RANDOLPH	39 33.5		157.0	0	0	3827.3	UUUUUUU
I 5	SIERRA COLD STREAM	120 20.9		21000	93	491	7786.1	
CN		22	=23.0	156.8	93	491		UUUUUUUUU
	SIERRAVILLE QUAD							
CA6SPK0432	SHEEP CAMP	39 42.0	IR	82.0	0	0	3459.0	UUUUUUU
I 5	SIERRA CARMEN CRK	120 30.0	IS	65000	0	0	13215853	
CN		89	=101.1	60.9	0	0		UUUUUUUUU
	SIERRAVILLE QUAD							
CACSPK0434	STAMPEDE RESERVOIR	39 28.0	CRH	232.0	0	0	342.28	33UU3U3
2	SIERRA LITTLE TRUCKE	120 6.2	OP	226500	3000	16000	21.392	
CN	US = WPRS	150	178.0	182.8	3000	16000		3333UU5U4
	BOCA QUAD							
CAGSPN0054	COPCO NO. 2	41 57.0	HC	152.0	30000	139157	0	55545U5.
I 5	SISKIYOU KLAMATH	122 25.2	OP	13000	0	0	0	
NW	PAC PWR AND LT.	4300	2256.0	133.8	30000	139157		533543545.

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. -NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
CAGSPN0052	IRON GATE	41 55.8	HC	188.0	200000	224422	0	43UU4U4.
I 5	SISKIYOU KLAMATH	122 26.9	OP	19000	0	0	0	
NW	PAC PWR AND LT.	4573	2206.0	154.8	200000	224422		434444434.
CA5SPK0435	UPPERFALLS	41 14.0		25.0	0	0	2021.9	3342313
I 6	SISKIYOU MCCLOUD RIVER	122 1.9		100000	9838	86102	23.483	
CN		264	-299.7	449.5	9838	86102		113300000U
	SHOEINHORSE MTN QUAD							
CA4SPN0058	WARM SPRINGS DAM	41 58.8	HC	210.0	0	0	6746.5	0344424.
D 2	SISKIYOU KLAMATH	122 0.0	SI	15000	90786	204573	32.978	
NW	PAC PWR AND LTS	4080	1876.0	189.8	90786	204573		4UU433445.
CA6SPN0053	COPCO NO.1	41 55.6	H	132.0	26500	224708	5863.5	5554505.
S 2	SISKUYOU KLAMATH	122 25.5	OP	1900	260132	362414	16,179	
NW	PAC PWR AND LT	4300	2256.0	439.5	286632	587122		533543545.
CA6SPN0043	BIG SULPHUR	38 4.9	CS	401.0	0	0	276419627	32UU3U3.
I 5	SONOMA BIG SULPHUR C	122 5.9	SI	206000	117	651	424175809	
CN	CORPS	79	192.0	379.6	117	651		333444044.
CA6SPN0042	KNIGHTS VALLEY	38 3.7	CS	454.0	0	0	18430	4443324.
I 5	SONOMA MAACAMA CREEK	122 4.4	SI	20000	57	294	62623	
CN	CORPS	59	110.0	249.7	57	294		444UUUU41
CACSPN0044	WARM SPRINGS DAM	38 42.0	CR	319.0	0	0	1202.2	5344423.
I 2	SONOMA DRY CREEK	123 0.0	UC	381000	21693	24111	49.861	
CN	CORPS	130	212.0	250.7	21693	24111		444432245.
	SKAGGS SPRINGS							
CA9SPN0059	WARM SPRINGS DAM	38 42.	CRS	319.0	0	0	0	3344533.
D 5	SONOMA DRYCREEKS	123 00.	UC	2000	0	0	0	
CN	CORPS		0	590.0	0	0		334423144.
CA4SPK0436	EUGENE	37 55.0		68.0	0	0	4832.3	UUUUUUU
I 5	STANISLAUS LITTLE JOHNS	120 50.3		26000	6393	36554	132.19	
CN		1019	-1639.9	61.9	6393	36554		UUUUUUUUU

SITE ID / PRIMARY CO. / DEP CODE / ACTV / INV / POWER AREA	PROJECT NAME / NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA6SPK0437	KNIGHTS FERRY	37 49.9	I,S,R	160.0	0	0	6767.2	3342323
I 2	STANISLAUS STANISLAUS RI	120 38.7	SI	14500	94032	152113	44,488	
CN		986	1327.0	154.8	94032	152113		333UUUUUU
	KNIGHTS FERRY							
CAISPK0439	LA GRANGE RESERVOIR	37 40.2	I	0	0	0	0	
4	STANISLAUS TUOLUMNE RIVE	120 26.5	OP	0	0	0	0	
CN	TURLOCK AND MODESTO I D	1538	446.0	-111.3	0	**********		
CACSPK1378	MODESTO RESERVOIR	37 39.4	I	36.0	0	0	189.32	33UU3U3
2	STANISLAUS TUOLUMNE RIVE	120 40.5	OP	29000	1000	3400	55,684	
CN	MODESTO IRR DIST	20	405.0	30.9	1000	3400		3333UUUUU
CAISPK1379	TURLOCK LAKE	37 36.7	I	37.0	3300	11881	0	3333333
5	STANISLAUS TUOLUMNE RIVE	120 35.5	OP	49000	0	0	0	
CN	TURLOCK IRR DIST	11	615.0	33.0	3300	11881		3333UUUUU
CACSPK0438	WOODWARD RESERVOIR	37 51.7	I	65.0	0	0	222.71	33UU3U3
2	STANISLAUS SIMMONS CREEK	120 52.5	OP	35000	2000	7000	31,816	
CN	SOUTH SAN JOAQUIN I D	12	430.0	49.7	2000	7000		3333UU5UU
	ESCALON QUAD							
CA4SPK0441	ANTELOPE BASIN	40 12.0	C	33.0	0	0	14229	UUUUUUU
I 5	TEHAMA ANTELOPE,SALT	122 11.0		37000	59345	114787	123.96	
CN		48	-116.1	1148.8	59345	114787		UUUUUUUUU
	RED BLUFF QUAD							
CA6SPK0440	A-2	40 18.9	C	246.0	0	0	43496	UUUUUUU
E 5	TEHAMA SOUTH FORK CO	122 26.8	IS	920000	13935	60197	722.57	
CN		381	-527.4	191.8	13935	60197		UUUUUU4UU
CA6SPK0442	BELLE-MILL	40 10.8	C,R,S	70.0	0	0	2404.0	UUUUUUU
I 5	TEHAMA ANTELOPE CREE	122 7.5		45000	252	2135	1125.8	
CN		123	-297.6	32.9	252	2135		UUUUUUUUU
	RED BLUFF QUAD							
CACSPK0466	BLACK BUTTE LAKE	39 49.1	CIR	140.0	0	0	903.37	33UU3U3
2	TEHAMA STONEY CREEK	122 20.1	OP	242000	9200	31000	29,140	
CN	DAEN SPK	736	590.0	96.9	9200	31000		3333UU5U5
	BLACK BUTTE DAM QUAD							

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CA6SPK0443	CROWN	39 9.0	CIR	50.0	0	0	2205.3	UUUUUUU
I 5	TEHAMA DEER CREEK	121 58.4	IS	11000	0	4	527079	
CN		52	-80.9	42.9	0	4		UUUUUUUUU
	RICHARDSON SPRINGS NW QUAD							
CA5SPK0445	DEER CREEK NO 2	40 3.9		10.0	0	0	1613.2	3342223
I 5	TEHAMA DEER CRK	121 48.9		0	3374	28580	56.448	
CN		126	-202.5	827.1	3374	28580		UUUUUUUUU
	PANTHER SPRING QUAD							
CA6SPK0448	DEER CREEK MEADOWS RESERVOIR	40 15.9		193.0	0	0	4106.6	UUUUUUU
D 5	TEHAMA DEER CREEK	121 26.4	IS	153000	236	1407	2917.5	
CN		50	-80.3	144.8	236	1407		UUUUUUUUU
	MT HARKNESS QUAD							
CA5SPK0444	DEER CRK MDWS (PH NO.1)	40 9.0	H	215.0	0	0	11038	UUUUUUU
D 2	TEHAMA DEER CRK	121 39.0		200000	137420	178313	61.902	
CN		79	-191.1	1616.3	137420	178313		322UUUUUU
	BUTTE MEADOWS QUAD							
CA5SPK0446	DEER CRK NO 3	40 0.9		10.0	0	0	5716.7	UUUUUUU
I 6	TEHAMA DEER CRK	121 54.0		0	131294	143964	39.709	
CN		147	-236.2	1068.9	131294	143964		U33UUUUUU
	PANTHER SPRING, BUTTE MEADOW							
CA5SPK0447	DEER CRK NO 4	39 59.0		45.0	0	0	1335.9	1342223
I 5	TEHAMA BRUSH CRK	121 56.9		0	732	6405	208.57	
CN		184	-295.7	197.8	732	6405		UUUUUUUUU
	CAMPBELL MOUND QUAD							
CA6SPK0449	DEHAVEN	40 13.0		150.0	0	0	2527.9	UUUUUUU
I 5	TEHAMA LITTLE ANTELO	122 5.0		10000	2438	14546	173.79	
CN		123	-297.6	127.8	2438	14546		UUUUUUUUU
CA6SPK0450	DIPPINGVAT LAKE	40 9.2	CIR	343.0	0	0	5568.3	UUUUUUU
D 5	TEHAMA SOUTH FORK CO	122 35.4	IS	253000	19230	34003	163.75	
CN		132	120.0	320.6	19230	34003		UUUUUUUUU
	OXBOW BRIDGE QUAD							
CA6SPK0451	GALATIN	40 1.5	I,R,C	317.0	0	0	9145.4	UUUUUUU
I 5	TEHAMA ELDER CREEK	122 30.4		250000	2221	9531	959.47	
CN		93	104.0	268.7	2221	9531		UUUUUUUUU
	LOWREY							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST ($/MWH) (1000 $)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA6SPK0452	HUNTER LAKE	40 12.8		165.0	0	0	4592.6	UUUUUUU
I 5	TEHAMA SOUTH FORK CO	122 31.9		140000	2044	8979	511.46	
CN		211	-330.6	122.8	2044	8979		UUUUUU4UU
	UNO AND OXBOW BRIDGE							
CAGSPK0465	INSKIP POWERHOUSE	40 24.0	H	0	8000	47000	0	3333333
5	TEHAMA SOUTH FORK BA	121 58.5	UP	0	0	0	0	
CN	PACIFIC GAS AND ELECT.	292	-469.3	377.6	8000	47000		3333UUUUU
	MANTUN QUAD							
CA6SPK0453	IRON CANYON	40 13.8		175.0	0	0	47610	UUUUUUU
I 6	TEHAMA SACRAMENTO RI	122 11.7		1040000	824271	1108958	42.932	
CN		9022	11420.0	154.8	824271	1108958		411UUU4U4
	RED BLUFF EAST, BEND, BALLS							
CA6SPK0455	PAIN DAM	40 0.0	FR	100.0	0	0	1837.1	3241323
I 5	TEHAMA PAYNES CREEK	122 0.0		12000	661	3803	483. 6	
CN		92	-222.6	43.9	661	3803		UUUUUUUUU
	PANTHER SPRINGS QUAD							
CA6SPK0456	PAPE DAM	40 9.4		320.0	0	0	6449.1	UUUUUUU
I 5	TEHAMA MILL CREEK	121 48.8		200000	4549	23750	271.54	
CN		88	-212.9	268.7	4549	23750		UUUUUUUUU
	PANTHER SPRINGS QUAD							
CA6SPK0457	PASKENTA	39 52.4		212.0	0	0	5017.2	UUUUUUU
E 5	TEHAMA THOMES CREEK	122 34.7		400000	17296	30054	166.94	
CN		185	-289.9	205.7	17296	30054		UUUUUUUUU
	PASKENTA QUAD							
CA6SPK0458	PASKENTA	39 52.5	SIUCR	233.0	0	0	6869.7	UUUUUUU
I 5	TEHAMA THOMES CRK	122 33.0	IS	129600	17433	30379	226.13	
CN		194	248.0	197.8	17433	30379		UUUUUUUUU
	PASKENTA QUAD							
CACSPK0467	RED BLUFF DIVERSION	40 13.0	IR	37.0	0	0	1372.2	33UU3U3
2	TEHAMA SACRAMENTO RI	122 10.7	UP	3030	10000	55000	24.949	
CN	US - WPRS	9022	8450.0	12.9	10000	55000		3333UU5U5
	RED BLUFF EAST QUAD							
CA6SPK0459	ROSEWOOD LAKE	40 16.5	OI	160.0	0	0	5865.8	UUUUUUU
E 5	TEHAMA DRY CREEK	122 33.1	IS	175000	1004	4934	1188.6	
CN		127	80.0	130.8	1004	4934		UUUUUU4UU
	UNO QUAD							

SITE ID / DEP ACTV CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. STATUS / AVE. Q (CFS)	DAM HT TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG ANUL. COST / INC.ENERGY ENERGY COST / TOT.ENERGY (MWH) (MWH) (MWH)	(1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CA6SPK0461	SCHOENFIELD	40 6.3		280.0	0	0	4156.8	UUUUUUU
I 5	TEHAMA RED BANK CREE	122 32.7		150000	2794	14060	295.63	
CN		49	-118.5	246.7	2794	14060		UUUUUUUUU
	LOWREY QUAD							
CA6SPK0460	S=1	40 20.9		195.0	0	0	20047	UUUUUUU
E 5	TEHAMA SOUTH FORK CO	122 21.7		575000	7004	42470	472.3	
CN		403	-557.9	148.8	7004	42470		UUUUUU4UU
	ANDERSON QUAD							
CA6SPK0462	TEHAMA RESERVOIR	40 19.7	CSIRO	238.0	0	0	65577	UUUUUUU
S 5	TEHAMA SOUTH FORK CO	122 26.0	DM	909000	13004	56379	1163.1	
CN		371	272.0	183.8	13004	56379		UUUUUU4UU
	ANDERSON QUAD							
CA6SPK0463	TOM HEAD LAKE	40 10.4		212.0	0	0	8065.2	UUUUUUU
E 5	TEHAMA SOUTH FORK CO	122 33.4		50000	2102	9771	825.39	
CN		137	-214.7	162.8	2102	9771		UUUUUU4UU
	OXBOW BRIDGE QUAD							
CA6SPK0464	WING LAKE	40 20.1		192.0	0	0	4868.1	UUUUUUU
S 5	TEHAMA INKS CREEK	122 8.6		244000	288	2307	2109.9	
CN		27	-57.0	161.8	288	2307		UUUUUUUUU
	BEND QUAD							
CA1SPN0045	CLAIR ENGLE LAKE TRINITY	40 48.1	1H	537.0	106000	312858	5281.2	5545544.
I 2	TRINITY TRINITY RIVER	122 45.7	0P	2448000	213661	88426	59.724	
CN	DOI USBR	692	1640.0	497.6	319661	401284		320222324.
CA4SPK0469	EAST FORK	36 27.0		160.0	0	0	4635.6	UUUUUUU
I 5	TULARE EAST FORK KAW	118 46.9		0	20329	19674	235.62	
CN		82	-67.2	579.4	20329	19674		1UUUUUUUU
	KAWEAH QUAD							
CA4SPK9023	ELEPHANT KNOB	35 59.1	CIHRO	600.0	0	0	15839	UUUUUUU
I 5	TULARE KERN RIVER	118 28.83	IS	275000	154830	194293	81.521	
CN		779	634.0	499.5	154830	194293		UUUUUUUUU
	KERNVILLE, CALIF. HOT SPRING							
CA7SPK0471	JUNCTION (FAIRVIEW)	36 0.0		320.0	0	0	20276	1242223
I 6	TULARE KERN RIVER	118 28.9		190000	298960	404179	50.166	
CN		750	-637.1	1038.9	298960	404179		U23UUUUUU
	HOCKETT PEAK QUAD							

SITE ID / PROJECT NAME / PRIMARY CO. =NAME OF STREAM / LONGITUDE	LATITUDE	PROJ.PURP. / STATUS	DAM HT / TOT. STOR / PWR. HD.	EXIST.CAP. / INC. CAP. / TOT. CAP.	EXIST.ENRG / INC.ENERGY / TOT.ENERGY	ANUL. COST / ENERGY COST	ENVIRONMENTAL IMPACT CODE
DEP ACTV / CODE INV / OWNER / MAP REFERENCE	DR.AREA (D M.M) (SQ.MI)	AVE. Q (CFS)	(FT) (AC FT) (FT)	(KW) (KW) (KW)	(MWH) (MWH) (MWH)	(1000 $) ($/MWH)	SOCIAL IMPACT CODE
CAHSPK0479	KAWEAH NO 2 POWERHOUSE	36 27.7	H	7.0	1800	9121	0	2333333
5	TULARE MID FK KAWEAH	118 51.7	OP	1	0	0	0	
CN	SOUTHERN CALIF. EDISON	166	99.0	367.0	1800	9121		3333UUUUU
	KAWEAH QUAD							
CAHSPK0480	KAWEAH NO.1 POWERHOUSE	36 27.9	H	0	0	0	0	
4	TULARE EAST FORK KAW	118 51.6	OP	0	0	0	0	
CN	SOUTHERN CALIF. EDISON	86	95.0	1326.0	0	**********		
CAHSPK0481	KAWEAH NO.3 POWERHOUSE	36 29.2	H	0	0	0	0	
4	TULARE MIDDLE FORK K	118 50.1	OP	0	0	0	0	
CN	SOUTHERN CALIF. EDISON C	155	99.0	775.0	0	**********		
CACSPK0485	LAKE KAWEAH-TERMINUS DAM	36 25.0	CIR	250.0	0	0	2695.2	33UU3U3
2	TULARE KAWEAH RIVER	119 0.2	OP	150000	57933	73653	36.593	
CN	DAEN SPK	561	573.0	202.0	57933	73653		3333UUUU4
	WOODLAKE QUAD							
CA6SPK0472	LAMONT MEADOW	35 48.9	I AND R	200.0	0	0	2874.2	UUUUUUU
I 5	TULARE CHIMNEY CREEK	118 3.0		5000	72	169	16927	
CN		34	-16.6	169.8	72	169		UUUUUUUUU
	LAMONT PEAK QUAD							
CA4SPK0473	LIMEKILN	35 15.9		200.0	0	0	6902.4	UUUUUUU
I 5	TULARE DRY CRK	118 31.5		95000	982	5292	1304.2	
CN		642	-136.3	212.7	982	5292		UUUUUUUUU
CA6SPK9016	LITTLE KERN	38 10.0		1030.0	0	0	45828	UUUUUUU
I 5	TULARE N FK KERN RIV	118 26.9		25000	73043	109599	418.14	
CN		508	-192.6	954.0	73043	109599		UUUUUUUUU
	HOCKETT PEAK QUAD							
CAHSPK0482	LOWER TULE POWERHOUSE	36 8.2	H	0	0	0	0	
4	TULARE MIDDLE FORK T	118 47.3	OP	0	0	0	0	
CN	SOUTHERN CALIF. EDISON	87	26.0	1140.0	0	**********		
CA6SPK0475	MIDDLE FORK	36 8.0		140.0	0	0	2821.1	UUUUUUU
I 5	TULARE MIDDLE FORK T	118 46.8		13000	65	363	7761.6	
CN		102	-40.1	118.8	65	363		UUUUUUUUU
	SPRINGVILLE QUAD							

SITE ID / PRIMARY CO. / OWNER / MAP REFERENCE	PROJECT NAME / NAME OF STREAM	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ MI)	PROJ.PURP. STATUS / AVE. Q (CFS)	DAM HT TOT. STOR PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY TOT.ENERGY (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
DEP ACTV / CODE INV / POWER AREA								
CA4SPK0477	QUINCY SCHOOL	35 48.9		109.0	0	0	3322.4	UUUUUUU
I 5	TULARE WHITE RIVER	118 57.3		0	0	1	1926319	
CN		98	-38.8	92.9	0	1		UUUUUUUUU
	QUINCY SCHOOL QUAD							
CA6SPK0478	ROCKHOUSE	35 48.9		315.0	0	0	4752.1	UUUUUUU
S 5	TULARE SOUTH FORK KE	118 11.9		200000	298	1678	2831.4	
CN		423	-89.8	265.7	298	1678		UUUUUUUUU
	LAMONT PEAK QUAD							
CACSPK0484	SUCCESS LAKE	36 3.5	CIR	142.0	0	0	456.72	33UU3U3
2	TULARE TULE RIVER	118 55.1	OP	80000	4000	11190	40,813	
CN	DAEN SPK	388	186.0	111.5	4000	11190		3333UU5UU
	SUCCESS DAM QUAD							
CAHSPK0483	TULE RIVER POWERHOUSE	36 09.8	H	0	0	0	0	
4	TULARE NORTH FORK OF	118 42.4	OP	0	0	0	0	
CN	PACIFIC GAS AND ELEC.	35	26.0	1532.0	0	**********		
CACSPK0508	BEARDSLEY AFTERBAY	38 11.8	H I	58.0	0	0	308. 0	33UU3U3
2	TUOLUMNE MID FK STANIS	120 5.4	OP	320	3538	14457	21.304	
CN	OAKDALE S SAN JOAQUIN ID	303	635.0	48.9	3538	14457		3333UUUUU
	LONG BARN QUAD							
CAJSPK0506	BEARDSLEY LAKE	38 12.2	H I	0	0	0	0	
4	TUOLUMNE MID FK STANIS	120 4.4	OP	0	0	0	0	
CN	OAKDALE S SAN JOAQUIN ID	316	635.0	264.0	0	**********		
CA7SPK0487	BIG HUMBUG CREEK	37 53.0		225.0	0	0	8525.0	2242323
D 2	TUOLUMNE TUOLUMNE RIVE	120 13.0		80000	199334	320171	26,626	
CN		182	171.0	1778.2	199334	320171		U22UUU2UU
	GROVELAND AND TUOLUMNE							
CA7SPK0488	BIG TREES	37 17.2	I,S	400.0	0	0	5026.4	UUUUUUU
I 5	TUOLUMNE NORTH FORK ST	120 15.3		162000	1805	7392	679.96	
CN		147	-82.3	336.6	1805	7392		UUUUUUUUU
	BIG MEADOW QUAD							
CA7SPK0489	BROWNS MEADOW	38 7.1	I,R	233.0	0	0	2904.0	UUUUUUU
E 5	TUOLUMNE NORTH FORK TU	120 4.7	IS	76600	7	34	83899	
CN		11	29.0	221.7	7	34		UUUUUUUUU
	LONG BARN QUAD							

SITE ID / PRIMARY CO. / DEP ACTV CODE / INV / POWER AREA	PROJECT NAME / OWNER / NAME OF STREAM / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CAJSPK0505	CHERRY LAKE	37 58.4	H S	315.0	135000	505515	9739.6	2333333
2	TUOLUMNE CHERRY CREEK	119 54.4	OP	268000	630299	497179	19.589	
CN	CITY COUNTY S FRANCISCO	193	670.0	2481.0	765299	1002694		3333UU2UU
	L. ELEANOR QUAD							
CA7SPK9035	CLAVEY RES (HUNTER POINT DAM	37 52.1	H,S	190.0	0	0	16517	2UUUUUU
I 2	TUOLUMNE CLAVEY	120 3.8		2340	300000	612000	26.989	
CN		143	1128.0	949.0	300000	612000		UUUUUU5UU
	JAWBONE RIDGE, DUCKWALL MTN							
CAJSPK0507	DONNELLS RESERVOIR	38 19.7	H I	0	0	0	0	
4	TUOLUMNE MID FK STANIS	119 57.6	OP	0	0	0	0	
CN	OAKDALE S SAN JOAQUIN ID	224	240.0	1484.0	0	**********		
CAGSPK0500	EARLY IN TAKE	37 52.5	H S	56.0	0	0	92.844	23UU3U3
2	TUOLUMNE TUOLUMNE RIVE	119 57.2	OP	115	292	1931	48. 65	
CN	CITY COUNTY S FRANCISCO	488	311.0	44.9	292	1931		3333UU2U4
	L. ELEANOR QUAD							
CA7SPK0490	GANNS POWERHOUSE	38 24.4		380.0	0	0	16705	UUUUUUU
I 5	TUOLUMNE NORTH FORK ST	120 4.7		60000	21740	36587	456.59	
CN		49	-45.1	1681.3	21740	36587		UUUUUUUUU
	BIG MEADOW QUAD							
CA6SPK0491	HARDIN FLAT RESERVOIR	37 48.3	H	215.0	0	0	3787.2	UUUUUUU
I 5	TUOLUMNE SOUTH FORK TU	119 57.3	IS	42000	3096	11940	317.17	
CN	SAN FRANCISCO COUNTY	85	-196.4	198.8	3096	11940		UUUUUUUUU
	LAKE ELEANOR QUAD							
CAJSPK0503	HETCH HETCHY RSVR(OSHAUGHNES	37 56.8	H S	0	0	0	0	
4	TUOLUMNE TUOLUMNE RIVE	119 47.2	OP	0	0	0	0	
CN	CITY COUNTY S FRANCISCO	455	999.0	1450.0	0	**********		
CA9SPK9033	HUMBUG CR PUMPED STORAGE PRO	37 53.0		200.0	0	0	23337	UUUUUUU
D 5	TUOLUMNE BIG HUMBUG	120 12.3		0	1300000	1300000	17.951	
CN			0	1525.0	1300000	1300000		UUUUUU5UU
	TUOLUMNE							
CA7SPK0492	INGALLS	37 56.0		125.0	0	0	5844.0	2342323
I 2	TUOLUMNE DUCKWALL CREE	120 13.0		65000	156342	237620	24.594	
CN		102	-235.7	1698.3	156342	237620		322UUU2UU
	TOULUMNE QUAD							

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CA6SPK0493	KENNEDY MEADOWS	38 18.5	I,R,S	121.0	0	0	2781.1	UUUUUUU
I 5	TUOLUMNE MIDDLE FORK S	119 45.0		10000	87	558	4976.7	
CN		48	-146.0	111.8	87	558		UUUUUUUUU
	SONORA PASS QUAD							
CACSPK0501	LAKE ELEANOR	37 58.4	H S	61.0	0	0	275.16	23UU3U3
2	TUOLUMNE ELEANOR CREEK	119 52.7	UP	27800	3202	5624	48.921	
CN	CITY COUNTY S FRANCISCO	78	65.0	55.9	3202	5624		3333UU2UU
	LAKE ELEANOR QUAD							
CA6SPK0494	LORDS RESERVOIR	38 3.3		130.0	0	0	1490.4	UUUUUUU
I 5	TUOLUMNE HULL CREEK	120 4.4		10000	94	414	3597.1	
CN		10	-31.1	110.8	94	414		UUUUUUUUU
	LONG BARN QUAD							
CACSPK9041	LYONS	38 5.5	HI	117.0	0	0	72.966	33UU3U3
2	TUOLUMNE S FK STANISLA	120 10.1	UP	5508	300	2165	33.689	
CN	PACIFIC GAS + ELECTRIC	67	17.0	299.7	300	2165		3333UUUU5
	LONG BARN, COLUMBIA							
CAJSPK0510	LYONS (PHOENIX PH)	38 5.5	H I	117.0	1700	13000	541.98	3333333
2	TUOLUMNE S FK STANISLA	120 10.1	UP	5508	1700	13000	41.691	
CN	PACIFIC GAS + ELECT CO	67	129.0	1186.8	3400	26000		3333UUU5U
	LONG BARN AND COLUMBIA QUADS							
CAHSPK0516	MOCCASIN CREEK POWERHOUSE	37 47.9	H	0	0	0	0	
4	TUOLUMNE HETCH-HETCHY	120 18.7	UP	0	0	0	0	
CN	HETCH HETCHY WTR AND PWR		0	1190.0	0	**********		
CACSPK0502	MOCCASIN LOWER	37 48.7	H S	60.0	0	0	35.465	33UU3U3
5	TUOLUMNE MOCCASIN CREE	120 18.2	UP	505	0	1	24569	
CN	CITY COUNTY S FRANCISCO	26	-79.1	47.9	0	1		3333UUUUU
	MOCCASIN QUAD							
CAJSPK0509	NEW DON PEDRO	37 42.0	H I R S	0	0	0	0	
4	TUOLUMNE TUOLUMNE RIVE	120 25.2	UP	0	0	0	0	
CN	TURLOCK AND MODESTO I D	1546	1466.0	530.0	0	**********		
CA5SPK0495	PAPER CABIN	37 54.0		260.0	0	0	3213.4	UUUUUUU
S 5	TUOLUMNE NORTH FORK TU	120 13.9		0	11733	61929	51.889	
CN		195	-138.5	699.3	11733	61929		UUUUUUUUU
	TUOLUMNE QUAD							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CACSPK0511	PINECREST LAKE (STRAWBERRY L	38 12.0	H	140.0	0	0	132.2	33UU3U3
2	TUOLUMNE S FK STANISLA	119 59.2	OP	18600	767	2968	44.477	
CN	PACIFIC GAS + ELECT CO	27	100.0	135.8	767	2968		3333UUU4U
	PINE CREST QUAD							
CACSPK0504	PRIEST RESERVOIR	37 48.1	H S	168.0	0	0	108.66	33UU3U3
2	TUOLUMNE RATTLESNAKE C	120 15.8	OP	2350	569	4981	21.812	
CN	CITY COUNTY S FRANCISCO	3	650.0	162.8	569	4981		3333UUUUU
	MOCCASIN QUAD							
CACSPK0512	RELIEF RESERVOIR	38 16.7	H	142.0	0	0	131.32	33UU3U3
2	TUOLUMNE RELIEF CREEK	119 43.8	OP	15122	762	3026	43.387	
CN	PACIFIC GAS + ELECT CO	28	136.0	138.8	762	3026		3333UUU2U
	SONORA PASS QUAD							
CA7SPK0496	SAND BAR	38 11.0		58.0	0	0	2475.7	3342323
D 2	TUOLUMNE MIDDLE FORK S	120 7.9		176500	12000	180056	13.749	
CN		311	-339.0	390.6	12000	180056		323UUU5UU
	LONG BARN QUAD							
CA5SPK0497	SOUTH FORK	37 48.9		140.0	0	0	2325.3	UUUUUUU
I 5	TUOLUMNE SOUTH FORK TU	120 0.0		0	7326	38261	60.775	
CN		108	-72.7	823.1	7326	38261		UUUUUUUUU
	LAKE ELEANOR QUAD							
CA7SPK9028	SPICER MEADOWS (SAND FLAT PH	38 23.6	H	240.0	0	0	7334.9	UUUUUUU
E 5	TUOLUMNE HIGHLAND CREE	119 59.8	SP	165000	4022	30814	238.3	
CN	PG+E	42	125.0	839.1	4022	30814		UUUUUUUUU
	DARDANELLES CONE 15>,BIG MEA							
CACSPK0514	SPICERS MEADOWS RESERVOIR	38 23.6	H I S	56.0	0	0	82.915	33UU3U3
2	TUOLUMNE HIGHLAND CREE	119 59.8	OP	4062	266	1705	48.627	
CN	PACIFIC GAS + ELECT CO	42	125.0	54.9	266	1705		3333UUUUU
	DARDANELLES CONE 15> QUAD							
CAHSPK0515	SPRING GAP POWERHOUSE	38 11.2	H	0	0	0	0	
4	TUOLUMNE SOUTH FORK ST	120 7.1	OP	0	0	0	0	
CN	PACIFIC GAS AND ELECT.	46	86.0	1865.0	0	**********		
CAJSPK0513	STANISLAUS FOREBAY	38 8.8	H	0	0	0	0	
4	TUOLUMNE STANISLAUS RI	120 21.2	OP	0	0	0	0	
CN	PACIFIC GAS + ELECT CO	380	635.0	1525.0	0	**********		

SITE ID / PROJECT NAME / LATITUDE / PROJ.PURP. / DAM HT / EXIST.CAP. / EXIST.ENRG / ANUL. COST / ENVIRONMENTAL
DEP ACTV / OWNER / LONGITUDE / STATUS / TOT. STOR / INC. CAP. / INC.ENERGY / ENERGY COST / IMPACT CODE
CODE INV / MAP REFERENCE / DR.AREA (D M.M) / AVE. Q / PWR. HD. (FT) / TOT. CAP. (KW) / TOT.ENERGY (MWH) / (1000 $) /
POWER AREA / (D M.M) (SQ.MI) / (CFS) / (AC FT) (FT) / (KW) / (MWH) / ($/MWH) / SOCIAL IMPACT CODE
CA6SPK0498 / STONE MEADOW / 37 50.9 / ROI / 115.0 / 0 / 0 / 1408.0 / UUUUUUU
I 5 / TUOLUMNE UNNAMED TRIB / 119 51.1 / / 8500 / 0 / 4 / 312568 /
CN / / 47 / -143.0 / 88.9 / 0 / 4 / / UUUUUUUUU
/ LAKE ELEANOR QUAD / / / / / / / /
CA7SPK0499 / UPPER CLAVEY / 37 59.0 / / 220.0 / 0 / 0 / 5115.0 / 3311123,
I 6 / TUOLUMNE CLAVEY RIVER / 120 3.0 / / 60000 / 40798 / 165944 / 30.823 /
CN / / 135 / -144.6 / 1798.2 / 40798 / 165944 / / 333UUUUU1
/ DUCKWALL MTN 7.5', LONGBARN / / / / / / / /
CA7SPK9034 / WARDS FERRY / 37 53.3 / H,S / 450.0 / 0 / 0 / 13245 / UU1U1UU
I 6 / TUOLUMNE TUOLUMNE / 120 16.1 / / 158800 / 100000 / 272000 / 48.697 /
CN / / 1262 / 1569.0 / 219.7 / 100000 / 272000 / / UUUUUU5U1
/ STANDARD, TUOLUMNE, GROVELAN / / / / / / / /
CACSPL0133 / SANTA FELICIA / 34 27.6 / S D I U / 200.0 / 0 / 0 / 192. 9 / YNNNNNN
2 / VENTURA PIRU CR / 118 45.0 / OP / 100000 / 1376 / 3658 / 52,507 /
CN / UNITED WATER CONS DIST / 422 / 55.0 / 176.5 / 1376 / 3658 / / NNNNNNNNN
/ QUADS VAL VERDE PIRU / / / / / / / /
CACSPL0134 / (LAKE) CASITAS / 34 22.6 / ISC / 285.0 / 0 / 0 / 43,952 / YNNNNNN
1 / VENTURA COYOTE CREEK / 119 19.7 / OP / 287000 / 108 / 188 / 233.31 /
CN / DOI USBR / 39 / 13.0 / 266.7 / 108 / 188 / / NNNNNNNNN
/ QUAD VENTURA / / / / / / / /
CA6SPK0517 / BLUE RIDGE / 38 56.0 / / 775.0 / 0 / 0 / 187945 / UUUUUUU
E 5 / YOLO CACHE CREEK / 122 17.4 / / 4000000 / 241539 / 117925 / 1593.7 /
CN / / 960 / -451.5 / 510.4 / 241539 / 117925 / / UUUUUUUUU
/ GLASCOCK QUAD / / / / / / / /
CA6SPK0518 / BROOKS / 38 45.0 / I,C / 60.0 / 0 / 0 / 1879.4 / UUUUUUU
I 5 / YOLO CACHE CRK / 122 5.2 / / 6200 / 0 / 0 / 13068068 /
CN / / 1044 / -491.0 / 42.9 / 0 / 0 / / UUUUUUUUU
/ GUINDA AND LAKE BERRYESSA QU / / / / / / / /
CA6SPK0519 / GUINDA / 38 50.5 / I,R / 170.0 / 0 / 0 / 11687 / UUUUUUU
I 5 / YOLO CACHE CRK / 122 11.4 / IS / 303000 / 75 / 237 / 49218 /
CN / / 992 / 630.0 / 135.8 / 75 / 237 / / UUUUUUUUU
/ / / / / / / / /
CA6SPK0522 / BANGOR / 39 23.4 / R / 53.0 / 0 / 0 / 3685.9 / UUUUUUU
I 5 / YUBA NORTH HONCUT / 121 28.0 / / 5200 / 5 / 27 / 132606 /
CN / / 47 / -113.3 / 44.9 / 5 / 27 / / UUUUUUUUU
/ BANGOR QUAD / / / / / / / /

SITE ID / DEP / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CAGSPK0530	HARRY L ENGLEBRIGHT LAKE	39 14.2	DHR	260.0	56100	282000	0	3333333
5	YUBA YUBA RIVER	121 16.0	OP	70000	0	0	0	
CN	DAEN SPK	1110	2475.0	235.7	56100	282000		3333UUUUU
	SMARTVILLE QUAD							
CA6SPK0523	MARYSVILLE LAKE (PARKS BAR S	39 13.2	HICROO	368.0	0	0	62246	3311133
I 5	YUBA YUBA RIVER	121 19.7	DM	950000	476008	611230	101.83	
CN		1296	2685.0	356.6	476008	611230		1223515U1
	SMARTVILLE QUAD							
CAJSPK0528	NEW BULLARDS BAR	39 23.6	SDIRH	635.0	284400	219441	0	3333333
5	YUBA NORTH YUBA RI	121 8.3	OP	969600	0	0	0	
CN	YUBA CTY WATER AGENCY	489	1265.4	1390.0	284400	219441		3333UUUUU
	CHALLENGE QUAD							
CACSPK0527	VIRGINIA RANCH	39 19.3	SDIR	152.0	0	0	249.38	33UU3U3
2	YUBA FRENCH DRY CR	121 18.6	OP	64000	1900	5712	43.659	
CN	BROWNS VALLEY IRR DIST	72	-112.0	133.8	1900	5712		3333UU5UU
	OREGON HOUSE QUAD							
CA6SPK0525	WALDO	39 6.9		227.0	0	0	6091.1	UUUUUUU
I 5	YUBA DRY CRK	121 18.5		300000	74	296	20553	
CN		70	-108.9	192.8	74	296		UUUUUUUUU
	CAMP FAR WEST QUAD							
CA6SPK0526	WAMBO	39 30.9		300.0	0	0	7032.9	3342323
S 2	YUBA N FK. YUBA RI	121 5.9		62000	89877	132389	53.123	
CN		267	-812.5	274.7	89877	132389		323UUUUUU
	STRAWBERRY VALLEY QUAD							

COLORADO (CO)

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CU6SPK0535	BLANCO	37 15.7		0	0	0	0	UUUUUUU
D 9	ARCHULETA RIO BLANCO	106 45.8	SI	50000	0	0	0	
RM		68	-92.2	-125.3	0	**********		UUUUUUUUU
CU6SPK0536	CHROMO	37 0.3		0	0	0	0	UUUUUUU
I 9	ARCHULETA NAVAJO R	106 40.2	SI	450	0	0	0	
RM		165	-133.6	-643.5	0	**********		UUUUUUUUU
CU5SPK0533	NAVAJO RIVER TO NAVAJO RESER	37 0.9	H	50.0	0	0	3470.5	UUUUUUU
I 5	ARCHULETA SAN JUAN RIVE	107 18.0	IS	0	14775	48920	70.942	
RM		1068	-351.4	217.7	14775	48920		UUUUUUUUU
	PAGOSA JUNCTION, 15 MIN QUAD							
CU5SPK0532	RIO BLANCO RIVER TO NAVAJO R	37 0.9	H	50.0	0	0	3122.8	UUUUUUU
I 5	ARCHULETA SAN JUAN RIVE	107 11.0	IS	0	16015	59456	52.522	
RM		564	-323.3	287.7	16015	59456		UUUUUUUUU
	PAGOSA JUNCTION, 15 MIN QUA							
CU6SPK0534	TESORO	37 25.8		0	0	0	0	UUUUUUU
D 9	ARCHULETA EAST FORK SAN	106 50.1	SI	60000	0	0	0	
RM		60	-78.2	-161.2	0	**********		UUUUUUUUU
CU5SPK0531	TURKEY CREEK	37 17.9	H	50.0	0	0	1599.0	UUUUUUU
I 5	ARCHULETA SAN JUAN RIVE	106 58.0	IS	0	6362	23046	69.384	
RM		175	-120.3	299.7	6362	23046		UUUUUUUUU
	WOLF CREEK PASS, 15 MIN QUAD							
CUCSWA0001	TWO BUTTES	37 38.2	R I	112.0	0	0	37. 29	UUUUUUU
I 5	BACA TWO BUTTE CRE	102 32.3	OP	58934	2	19	1864.0	
RM	COLO DIV OF WILDLIFE	466	-50.3	76.9	2	19		UUUUUUUUU
	TWO BUTTES RESERVOIR							
CUCSWA0003	JOHN MARTIN RESERVOIR	38 4.1	CIR	118.0	0	0	150.86	3333333
I 2	BENT ARKANSAS RIVE	102 56.1	OP	621300	801	2217	68. 31	
RM	DAEN SWA	18915	-272.3	65.5	801	2217		3333UUUUU
	HASTY							
CUIMRU0033	BARKER RESERVOIR	39 57.8	H	168.0	2000	3157	0	332N2N3
I 5	BOULDER MIDDLE BOULDE	105 28.8	OP	12330	0	0	0	
RM	PUB SERVICE CO OF COLO	39	34.4	149.3	2000	3157		N3333333

SITE ID / DEP / ACTV / CODE / INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (FT) (AC FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
COCMR00021	BUTTON ROCK	40 13.0	S	210.0	0	0	220.93	332N2N3
I 2	BOULDER NORTH ST VRAI	105 22.4	OP	21493	1997	5496	40,198	
RM	CITY OF LONGMONT	99	59.7	195.4	1997	5496		N3333333
COAMR00032	GROSS DAM ONE	39 56.8	S	335.0	0	0	276.71	332N2N3
I 2	BOULDER SOUTH BOULDER	105 21.3	OP	45000	2908	7771	35,607	
RM	DENVER BD OF WATER COMM	87	-58.3	315.6	2908	7771		N3333333
COCMR00029	RESERVOIR NO 22	39 56.6	S	340.0	0	0	360.23	332N2N3
I 2	BOULDER BOULDER CREEK	105 19.0	OP	46067	4139	10490	34,339	
RM	CITY AND COUNTY DENVER D	102	-68.4	328.0	4139	10490		N3333333
COCSWA0004	CLEAR CREEK RESERVOIR	39 1.3	I	85.0	0	0	45,240	UUUUUUU
I 5	CHAFFEE CLEAR CREEK	106 14.6	OP	13560	23	206	219.50	
RM	CITY OF PUEBLO	69	68.0	63.9	23	206		UUUUUUUUU
	SOUTH PEAK							
COCSWA0005	TWIN LAKES RESERVOIR	39 4.7	SI	66.0	0	0	118.55	3333333
I 2	CHAFFEE LAKE CREEK	106 18.8	OP	53260	609	1943	60,986	
RM	TWIN LAKES RES NO 1	85	170.0	44.3	609	1943		3333UUUUU
	GRANITE							
COIMR00814	GEORGETOWN	39 42.4	H	0	1440	6880	0	332N2N3
I 5	CLEARCREEK BIG THOMPSON	105 43.1	OP	0	0	0	0	
RM	N. CO. WATER CONSERVANCY DIS		0	0	0	0		N3333333
COCSWA0008	TERRACE RESERVOIR	37 21.5	R	187.0	0	0	218.34	3333333
I 2	CONEJOS ALAMOSA RIVER	106 17.0	OP	20296	1895	6213	35,141	
RM	TERRACE IRR CO	109	113.0	147.4	1895	6213		3333UUUUU
	TERRACE RESERVOIR							
COCSPK0538	CRAWFORD RESERVOIR	38 39.2	I,R	162.0	0	0	72,531	33UU3U3
2	DELTA IRON CREEK	107 35.7	OP	17560	309	1616	44,879	
RM	US - WPRS	74	-68.3	135.5	309	1616		3333UUUUU
	CRAWFORD QUAD							
CO6SPK9048	TRI-COUNTY RESERVOIR	38 47.	H	100.0	0	0	3100.0	UUUUUUU
S 2	DELTA GUNNISON	107 56.	IS	0	20000	70000	44,286	
RM		5241	-1737.6	89.9	20000	70000		UUUUUUUSU
	ORCHARD CITY, LAZEAR							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
COCSPK0540	GROUNDHOG	37 47.4	I	125.0	0	0	43,467	33UU3U3
2	DOLORES GROUNGHOG CRE	108 17.5	OP	21711	108	877	49,509	
RM	MONTEZUMA VALLEY IRR CO	150	-116.5	105.8	108	877		3333UUUUU
	GROUNDHOG RESERVOIR QUAD							
COCMRU0045	CHATFIELD LAKE	39 33.5	CR	142.0	0	0	499. 6	332N2N3
I 2	DOUGLAS SOUTH PLATTE	105 3.5	OP	235000	5429	16307	30,603	
RM	DAEN MRO	3018	342.0	128.7	5429	16307		N3333333
COCMRU0044	CHEESMAN	39 12.4	S	221.0	0	0	475. 6	332N2N3
I 2	DOUGLAS S PLATTE RIVE	105 16.1	OP	83434	5452	16537	28,727	
RM	DENVER WATER BOARD	1752	-162.4	202.7	5452	16537		N3333333
CO5SPK0543	BASALT	39 21.9	H	50.0	0	0	1705.0	UUUUUUU
I 5	EAGLE ROARING FORK	107 3.9	IS	0	6500	33106	51,502	
RM		567	-523.7	98.9	6500	33106		UU2UUUUUU
	BASALT QUAD							
CU5SPK0545	BRUSH CREEK	39 39.4	H	50.0	0	0	1947.2	3342333
I 2	EAGLE EAGLE RIVER	106 48.9	IS	0	6796	45577	42,724	
RM		598	-285.5	249.7	6796	45577		232UUUUUU
	WOLCUTT AND EAGLE QUADS							
CU5SPK0553	DERBY CREEK TO SWEETWATER CR	39 43.0		20.0	0	0	4218.1	2242233
I 2	EAGLE COLORADO RIVE	107 1.9		0	23282	136205	30,968	
RM		3307	-961.0	221.7	23282	136205		232UUUUUU
	BURNS SOUTH 15',LEADVILLE 1							
CU5SPK0544	DOTSERO TO FOREBAY SHOSHONE	39 35.5		50.0	0	0	1761.5	UUUUUUU
I 5	EAGLE COLORADO RIVE	107 11.0		0	5414	29572	59,567	
RM		4390	-1362.3	33.9	5414	29572		UUUUUUUUU
	COTTONWOOD PASS QUAD							
CU5SPK0547	GORE CREEK TO LAKE CREEK	39 39.0	H	50.0	0	0	1974.1	UUUUUUU
I 5	EAGLE EAGLE RIVER	106 36.4	IS	0	8538	26648	74. 82	
RM		164	-71.9	579.4	8538	26648		UUUUUUUUU
	MINTURN QUAD							
CU5SPK0546	GYPSUM	39 39.0	H	50.0	0	0	2284.3	3342333
I 2	EAGLE EAGLE RIVER	106 56.9	IS	0	8588	53350	42,817	
RM		797	-347.2	242.7	8588	53350		U33UUUUUU
	EAGLE AND GYPSUM QUADS							

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ MI)	PROJ.PURP. / STATUS	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG INC.ENERGY TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
C05SPK0552	HOMESTAKE CREEK	39 30.5		50.0	0	0	396.88	UUUUUUU
I 5	EAGLE HOMESTAKE CRE	106 22.9		0	98	798	496.96	
RM		64	=36.0	149.8	98	798		UUUUUUUUU
	PANDO QUAD							
C05SPK0548	LAKE CREEK TO RED CANYON	39 42.0	H	50.0	0	0	1646.4	UUUUUUU
I 5	EAGLE EAGLE RIVER	106 43.4	IS	0	2271	16141	102.0	
RM		375	=125.4	272.7	2271	16141		UUUUUUUUU
	EDWARDS QUAD							
C05SPK0542	MILE 9 TO MILE 4.7	39 23.0	H	50.0	0	0	1529.3	UUUUUUU
I 5	EAGLE FRYINGPAN RIV	106 58.0	IS	0	4696	16127	94.828	
RM		251	=140.3	179.8	4696	16127		UUUUUUUUU
	TONER RES QUAD							
C05SPK0550	MINTURN TO GORE CREEK	39 36.5	H	50.0	0	0	1024.9	UUUUUUU
I 5	EAGLE EAGLE RIVER	106 26.9	IS	0	2682	10862	94.355	
RM		237	=85.0	199.8	2682	10862		UUUUUUUUU
	MINTURN QUAD							
C05SPK0551	PANDO	39 30.5	H	50.0	0	0	579.57	UUUUUUU
I 5	EAGLE EAGLE RIVER	106 22.9	IS	0	1749	7043	82.279	
RM		51	=18.3	599.4	1749	7043		UUUUUUUUU
	PANDO QUAD							
C05SPK0556	ROCK CREEK TO DERBY CREEK	39 51.9	H	50.0	0	0	3722.9	3342233
I 2	EAGLE COLORADO RIVE	106 54.4	IS	0	14394	85475	43.556	
RM		3096	=886.6	150.8	14394	85475		223UUUUUU
	BLUE HILL, BURNS SOUTH, BURN							
C05SPK0541	RUEDI DAMSITE TO MILE 9	39 22.5	H	50.0	0	0	1746.7	UUUUUUU
I 5	EAGLE FRYINGPAN RIV	106 54.0	IS	0	8571	29485	59.241	
RM		223	=124.4	370.6	8571	29485		UUUUUUUUU
	RUEDI QUAD							
C05SPK0555	STATE BRIDGE TO ROCK CREEK	39 54.0	H	50.0	0	0	2642.9	UUUUUUU
I 5	EAGLE COLORADO RIVE	106 43.9	IS	0	7325	49236	53.678	
RM		2864	=841.3	104.8	7325	49236		UUUUUUUUU
	STATE BRIDGE QUAD							
C05SPK0554	SWEETWATER CREEK TO DOTSERO	39 38.4	H	50.0	0	0	4574.9	UUUUUUU
I 5	EAGLE COLORADO RIVE	107 3.9	IS	0	11007	71284	64.179	
RM		4342	=1151.0	96.9	11007	71284		UUUUUUUUU
	LEADVILLE 1:250000							

SITE ID / DEP / ACTV / CODE / INV / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CU5SPK0549	TURKEY CREEK TO TWO ELK CREE	39 33.9	H	50.0	0	0	783.65	UUUUUUU
I 5	EAGLE EAGLE RIVER	106 24.0	IS	0	256	2151	364.22	
RM		164	-59.2	135.8	256	2151		UUUUUUUUU
	MINTURN QUAD							
CUISWA5001	MANITOU SPRINGS HYDROPLANT	38 51.3	HS	0	0	0	0	UUUUUUU
I 5	EL PASO RUXTON CREEK	104 55.9	OP	0	0	0	0	
RM	CITY OF COLO SPRGS		0	0	0	0		UUUUUUUUU
	MANITOU SPRINGS							
CUISWA5000	RUXTUN PARK HYDROPLANT	38 50.5	HS	0	0	0	0	UUUUUUU
I 5	EL PASO RUXTON CREEK	104 58.4	OP	0	0	0	0	
RM	CITY OF COLO SPRGS		0	1114.0	0	0		UUUUUUUUU
	MANITOU SPRINGS							
CU5SPK0562	CANYON CR TO DEBEQUE RESERVO	39 30.0	H	50.0	0	0	8458.1	3342233
I 2	GARFIELD COLORADO RIVE	107 52.0	IS	0	106804	513004	16.487	
RM		6122	-2070.9	387.6	106804	513004		233UUUUUU
	RIFLE,NEW CASTLE, STORM KING							
CU5SPK0570	CARBONDALE	39 25.0	H	50.0	0	0	2653.0	UUUUUUU
I 5	GARFIELD ROARING FORK	107 13.9	IS	0	15989	51728	51,288	
RM		651	-380.3	212.7	15989	51728		UUUUUUUUU
	CARBONDALE QUAD							
CU5SPK0568	CARDIFF	39 32.9	H	50.0	0	0	2251.7	UUUUUUU
I 5	GARFIELD ROARING FORK	107 20.0	IS	0	7395	36171	62.253	
RM		1440	-755.4	74.9	7395	36171		UUUUUUUUU
	GLENWOOD SPRINGS QUAD							
CU5SPK0569	CRYSTAL RIVER	39 28.4	H	50.0	0	0	2784.3	3342223
I 2	GARFIELD ROARING FORK	107 16.9	IS	0	12781	63177	44. 71	
RM		1276	-664.1	148.8	12781	63177		U33UUUUUU
	CATTLE CREEK, CARBONDALE QUA							
CU5SPK0564	ELECTRA	39 43.4	H	170.0	0	0	819. 7	UUUUUUU
I 5	GARFIELD MEADOW CREEK	107 34.4	IS	31000	2477	7392	110.79	
RM		34	-6.8	1698.3	2477	7392		UUUUUUUUU
	DEEP CREEK POINT QUAD							
CU5SPK0572	EMMA	39 24.0	H	50.0	0	0	2746.5	3342233
I 2	GARFIELD ROARING FORK	107 9.0	IS	0	15745	80207	34,242	
RM		624	-576.2	217.7	15745	80207		U23UUUUUU
	BASALT, CARBONDALE,LEON QUAD							

SITE ID / DEP ACTV CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CO5SPK0573	GLENWOOD SPRINGS	39 32.9	H	50.0	0	0	4280.8	3342233
I 2	GARFIELD COLORADO RIVE	107 20.0	IS	0	32027	169047	25.323	
RM		4493	-1415.9	186.8	32027	169047		U32UUUUUU
	SHOSHONE QUAD							
CO5SPK0563	LOWER BEAR WALLOW	39 34.9		462.0	0	0	3961.5	2UUUUUU
I 9	GARFIELD CANYON CREEK	107 26.7	IS	0	181	1526	2594.5	
RM			-55.0	451.5	181	1526		UUUUUU4UU
	STORM KING MTN QUAD							
CO5SPK0571	MILE 4.7 TO MOUTH	39 21.9	H	50.0	0	0	1947.8	UUUUUUU
I 5	GARFIELD FRYINGPAN RIV	107 1.9	IS	0	10567	34948	55.733	
RM		275	-148.7	367.6	10567	34948		UUUUUUUUU
	TONER RESERVOIR QUAD							
CO5SPK0567	RED CANYON	39 30.9	H	50.0	0	0	2259.7	UUUUUUU
I 5	GARFIELD ROARING FORK	107 18.9	IS	0	6009	40948	55.183	
RM		1370	-671.5	117.8	6009	40948		UUUUUUUUU
	GLENWOOD SPRINGS							
CUCSPK0576	RIFLE GAP RESERVOIR	39 37.8	ICR	120.0	0	0	41.189	UUUUUUU
5	GARFIELD RIFLE CREEK	107 45.7	OP	17225	87	385	106.93	
RM	US = WPRS	140	25.0	101.8	87	385		UUUUUUUUU
	HORSE MTN QUAD							
CO4SPK0565	ROARING FORK TO CANYON CREEK	39 33.9	H	125.0	0	0	7001.2	2342113
I 6	GARFIELD COLORADO RIVE	107 26.9	IS	0	83707	217213	32.231	
RM		6020	-3612.7	113.8	83707	217213		U11UUUUUU
	STORM KING MTN., GLENWOOD SP							
COHSPK0577	SHOSHONE PH	39 33.9	H	0	14400	108957	3370.7	3333333
2	GARFIELD COLORADO	107 13.6	OP	0	87045	144590	23.312	
RM	PUBLIC SERVICE CO. OF CO	4520	-2721.6	170.0	101445	253547		3333UUUUU
	SHOSHONE QUAD							
CU9SPK9031	AZURE	39 58.1	H	115.0	0	0	16594	UUUUUUU
D 5	GRAND COLORADO	106 31.1	IS	20600	1076749	1100820	15. 74	
RM		2628	935.0	1178.8	1076749	1100820		UUUUUUUUU
	RADIUM,MT POWELL 15 MIN							
CU5SPK0616	COLORADO UTAH LINE	38 45.0	H	50.0	0	0	2337.3	UUUUUUU
I 5	GRAND DOLORES RIVER	109 3.9	IS	0	4241	14648	159.56	
RM		1850	-260.3	119.8	4241	14648		UUUUUUUUU
	GATEWAY QUAD							

SITE ID / DEP CODE / POWER AREA	ACTV INV	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CUCSPK0581	2 RM	EAST BRANCH DAM GRAND TR=WILLIAMS F AMERICAN METAL CLIMAX UTE PEAK QUAD	39 50.3 106 3.5 89	D OP 103.0	120.0 2000 101.8	0 135 135	0 1170 1170	48.147 41.149	33UU3U3 3333UUUUU
CU5SPK0578	I 2 RM	GORE CANYON GRAND COLURADO RIVE KREMMLING AND RADIUM QUADS	39 59.0 106 30.6 2360	H IS -773.4	50.0 0 362.6	0 31799 31799	0 179254 179254	3112.0 17.361	3342233 UU2UUUUUU
CU5SPK0579	I 2 RM	GORE CANYON SITE TO STATE BR GRAND COLURADO RIVE RADIUM, STATE BRIDGE, MCCOY	39 51.5 106 39.0 2628	H IS -780.4	50.0 0 234.7	0 20586 20586	0 117087 117087	4581.3 39.127	3342233 U22UUUUUU
CUCSPK0584	2 RM	LAKE GRANBY GRAND COLURADO RIVE US - WPRS SHADOW MTN AND TRAIL MTN QUA	40 7.9 105 52.0 312	IR OP 83.0	231.0 540000 286.7	0 2300 2300	0 23209 23209	235.95 10.166	33UU3U3 3333UU5UU
CUISPK0583	4 RM	WILLIAMS FURK GRAND TR=COLORADO R CITY AND COUNTY OF DENVE	40 2.1 106 12.5 230	SH OP 127.0	0 0 -157.6	0 0 0	0 0 **********	0 0	
CUCSPK0586	5 RM	WILLOW CREEK RESERVOIR GRAND WILLOW CREEK US - WPRS TRAIL MTN QUAD	40 8.8 105 56.4 134	IR OP 30.0	0 11200 107.8	0 82 82	0 632 632	40.792 64.527	33UU3U3 3333UUUUU
CU5SPK0596	I 2 RM	ALMONT TO BLUE MESA DAM BACK GUNNISON GUNNISON RIVE ALMONT, SIGNAL PEAK, GUNNISO	38 30.0 107 1.5 735	IS -364.4	50.0 0 440.5	0 21855 21855	0 102612 102612	4273.7 41.648	3342223 U33UUUUUU
CU7SPK0592	I 9 RM	ALMONT (EAST RIVER) GUNNISON EAST RIVER CEMENT MTN QUAD	38 44.0 106 51.7 250	H IS -291.0	0 0 405.0	0 0 0	0 0 **********	0 0	UUUUUUU UUUUUUUUU
CU5SPK0595	I 5 RM	ALMONT (TAYLOR RIVER) GUNNISON TAYLOR RIVER ALMONT QUAD	38 41.0 106 50.9 451	H IS -174.6	50.0 0 299.7	0 7040 7040	0 33453 33453	1904.9 56.943	UUUUUUU UUUUUUUUU

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
COJSPK0604	BLUE MESA RESERVOIR	38 27.2	HCRO	0	0	0	0	
4	GUNNISON GUNNISON RIVE	107 20.0	OP	0	0	0	0	
RM	DOI USBR	3470	0	356.0	0	**********		
CO6SPK0593	CEMENT CREEK	38 49.9	H	0	0	0	0	UUUUUUU
I 9	GUNNISON COMENT CREEK	106 46.0	IS	40000	0	0	0	
RM		29	-25.3	-177.3	0	**********		UUUUUUUUU
	CEMENT MTN QUAD							
CO6SPK9002	EAST RIVER	38 49.9	H	74.0	0	0	1147.8	UUUUUUU
I 5	GUNNISON EAST RIVER	106 54.8	IS	14800	27	242	4730.3	
RM		94	-101.5	62.9	27	242		UUUUUUUUU
	CRESTED BUTTE QUAD							
CO5SPK0597	GATEVIEW SITE	38 23.0	H	50.0	0	0	1521.4	UUUUUUU
I 5	GUNNISON LAKE FORK OF	107 14.5	IS	0	6180	26118	58,250	
RM		338	-127.8	319.6	6180	26118		UUUUUUUUU
	GATEVIEW QUAD							
CO5SPK0590	LOTTIS CR TO CRYSTAL CR	38 45.0	H	50.0	0	0	1508.3	UUUUUUU
I 5	GUNNISON TAYLOR RIVER	106 41.4	IS	0	4947	23270	64,817	
RM		297	-117.5	309.6	4947	23270		UUUUUUUUU
	MATCHLESS MTN QUAD							
COCSPK0605	PAONIA RESERVOIR	38 56.6	ICR	199.0	0	0	752. 2	33U03U3
2	GUNNISON MUDDY CREEK	107 20.9	OP	23000	9235	24846	30.266	
RM	US - WPRS	251	-293.4	182.6	9235	24846		3333UUUUU
	PAONIA RESERVOIR QUAD							
COCSPK0606	SILVER JACK RESEROVIR	38 14.0	ICR	138.0	0	0	157.48	33U03U3
2	GUNNISON CIMARRON CREE	107 32.6	OP	15360	1155	4018	39,195	
RM	US - WPRS	67	89.0	125.4	1155	4018		3333UUUUU
	COURTHOUSE MTN QUAD							
CO5SPK0598	SOMERSET TO MOUTH	38 46.9		50.0	0	0	4957.1	3342233
I 2	GUNNISON NORTH FORK	107 50.0		0	30293	124978	39,664	
RM		521	-206.2	948.0	30293	124978		U22UUUUUU
	SOMERSET, PANONIA, BOWIE, HO							
COCSPK0600	SPRING CREEK	38 51.7	R	50.0	0	0	201.54	33U03U3
2	GUNNISON SPRING CREEK	106 42.5	OP	1631	1821	5765	34,958	
RM	COLO GAME AND FISH	350	-248.2	41.9	1821	5765		3333UUUUU
	MATCHLESS MTN QUAD							

SITE ID / DEP ACTV CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CO5SPK0591	SPRING CREEK (USGS UNDEVELOP	38 43.4	H	50.0	0	0	1591.3	3342233
I 2	GUNNISON TAYLOR RIVER	106 46.5	IS	0	7792	36909	43.116	
RM		337	-131.3	439.5	7792	36909		U23UUUUUU
	MATCHLESS MTN, CRYSTAL CR.,A							
CUCSPK0601	TAYLOR PARK	38 49.1	I	206.0	0	0	869.43	33U3U3
2	GUNNISON TAYLOR RIVER	106 36.3	UP	115500	12985	28797	30.191	
RM	US - WPRS	254	195.0	191.8	12985	28797		3333UU55U
	TAYLOR PARK RESERVOIR QUAD							
CUDSPK0589	TAYLOR PARK DAM(USING RES)TO	38 49.1	I	206.0	0	0	762.99	33U3U3
2	GUNNISON TAYLOR RIVER	106 36.3	UP	106200	4361	20521	37.180	
RM	US - WPRS	254	190.0	319.6	4361	20521		3333UUUUU
	TAYLOR PARK RES + MATCHLESS							
CU5SPK0607	LAKE FORK	38 0.9	H	50.0	0	0	627.79	UUUUUUU
I 5	HINSDALE LAKE FORK	107 18.9	IS	0	2354	9879	63.548	
RM		107	-40.7	379.6	2354	9879		UUUUUUUUU
	LAKE SAN CRISTOBAL QUAD							
CUCSWA0025	RIO GRANDE	37 43.2	I	106.0	0	0	221.91	3333333
I 2	HINSDALE RIO GRANDE	107 16.0	UP	67782	1611	4928	45. 23	
RM	SAN LUIS VALLEY IRR DIST	163	213.0	70.7	1611	4928		3333UUUUU
	WEMINUCHE PASS							
CUCMR00054	STANDLEY LAKE	39 51.7	IS	113.0	0	0	330.18	332N2N3
I 2	JEFFERSON BIG DRY CREEK	105 6.0	UP	48441	3096	9965	33.132	
RM	FARMERS RES AND IRR CO O	200	305.7	86.8	3096	9965		N3333333
CO5SPK0610	DURANGO TO DEER CANYON	37 2.9		50.0	0	0	4938.3	3342123
I 2	LAPLATA ANIMAS RIVER	107 50.9		0	33931	157254	31.403	
RM		692	-454.4	541.4	33931	157254		U11UUUUUU
	DURANGO W+E,BASIN MTN,LOMA L							
CUJSPK0612	ELECTRA LAKE (TACOMA PH)	37 32.7	H	53.0	8000	25475	0	3333333
5	LAPLATA TR=ANIMAS RIV	107 48.3	UP	23254	0	0	0	
RM	WESTERN COLO POWER CO	70	-83.9	983.0	8000	25475		3333UUUUU
	ELECTRA LAKE QUAD							
CU5SPK0608	EMERALD LAKES	37 27.0	H	50.0	0	0	1411.1	1242223
I 6	LAPLATA LOS PINOS RIV	107 28.9	IS	0	12941	64621	21.836	
RM		71	-51.3	1971.0	12941	64621		U33UUUUUU
	EMERALD LAKE, GRANITE PEAK Q							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. *NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)	(1000 $)	IMPACT CODE
COCSPK0613	LEMON RESERVOIR	37 22.8	I	284.0	0	0	252.8	33UU3U3
2	LAPLATA FLORIDA RIVER	107 39.7	OP	48700	2491	7108	35.460	
RM	US = WPRS	69	86.0	264.6	2491	7108		3333UU5UU
	LEMON RESERVOIR QUAD							
CONSPK0615	OURAY PH	38 2.8	H	71.5	432	3542	0	3333333
5	LAPLATA UNCOMPAHGRE	107 41.0	OP	4	0	0	0	
RM	COLORADO-UTE ELEC ASSN	39	-71.4	432.0	432	3542		3333UUUUU
	OURAY QUAD							
COCSPK0614	VALLECITO RESERVOIR	37 23.0	I	162.0	0	0	590.23	33UU3U3
2	LAPLATA LOS PINOS RIV	107 34.4	OP	129700	6539	21562	27.373	
RM	US = WPRS	270	349.0	117.8	6539	21562		3333UU5UU
	VALLECITO RESERVOIR QUAD							
COIMRO0811	BIG THOMPSON	40 21.4	H	0	4500	13000	0	332N2N3
I 5	LARIMER THOMPSON	105 7.5	OP	0	0	0	0	
RM	N. CO. WATER CONSERVANCY DIS		0	0	0	0		N3333333
COCMRO0079	CARTER LAKE	40 19.5	IHR	184.0	0	0	1120.5	332N2N3
I 2	LARIMER BIG THOMPSON	105 12.6	OP	116800	23654	64087	17.484	
RM	DOI USBR	800	705.0	171.0	23654	64087		N3333333
COIMRO0812	FLAT IRON 1 AND2	40 24.3	H	0	63000	261100	0	332N2N3
I 5	LARIMER BIG THOMPSON	105 11.2	OP	0	0	0	0	
RM	N. CO. WATER CONSERVANCY DIS		0	0	0	0		N3333333
COCMRO0082	HORSETOOTH RESERVOIR	40 35.9	IR	105.0	0	0	176.56	332N2N3
I 2	LARIMER BIG THOMPSON	105 10.1	OP	151800	1329	4031	43.797	
RM	DOI USBR	858	112.1	91.9	1329	4031		N3333333
COIMRO0084	LAKE ESTES	40 24.0	H	0	45000	107800	0	332N2N3
I 5	LARIMER BIG THOMSEN R	105 30.0	OP	3070	0	0	0	
RM	N. CO. WATER CONSERVANCY DIS	137	-82.7	-33.2	0	**********		N3333333
COIMRO0083	MARYS LAKE	40 17.9	H	0	8100	40400	0	332N2N3
I 5	LARIMER BIG THOMSEN O	105 30.0	UP	1150	0	0	0	
RM	N. CO. WATER CONSERVANCY DIS	1	-0.6	-17.7	0	**********		N3333333

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
COIMRU0813	POLE HILL	40 22.5	H	0	33250	207300	0	332N2N3
I 5 RM	LARIMER BIG THOMPSON N. CO. WATER CONSERVANCY DIS	105 16.5	OP 0	0	0 0	0 0	0	N3333333
COCSWA0028	TRINIDAD	37 9.0	CIRD	200.0	0	0	126.51	3333333
I 2 RM	LAS ANIMAS PURGATOIRE RI DAEN SWA TRINIDAD	104 33.0 671	OP 72.0	121500 125.8	825 825	2738 2738	46.189	333UUUUU
CU6SPK0618	DEBEQUE	39 13.5		417.0	0	0	24524	3342213
I 6 RM	MESA COLORADO RIVE CAMEO,MESA,WAGON TRACK RIDGE	108 15.4 7141	-3408.6	6500000 405.5	582747 582747	783940 783940	31.283	U11UUUUUU
COASPK9038	GRAND VALLEY DIVERSION DAM	39 11.3	IH	25.0	0	0	270.51	33U3U3
2 RM	MESA COLORADO RIVE DOI WPRS CAMEO	108 16.7 8055	OP 4850.0	0 12.9	1145 1145	9360 9360	28.901	3333U5UU
CU4SPK0617	GUNNISON RIVER TO DEWEY SITE	39 11.0	H	155.0	0	0	24146	1241113
I 6 RM	MESA COLORADO RIVE RUBY CANYON,MACK,FRUITA,CO N	108 54.4 22000	IS -6797.0	0 143.8	607025 607025	585280 585280	41.256	111UUUUUU
COCSPK0625	JERRY CREEK NO 1	39 11.0	I	57.0	0	0	81.440	33U3U3
2 RM	MESA PLATEAU CREEK UTE WATER CONSRVNCY DIST MOLINA QUAD	108 6.3 389	OP 150.0	10693 47.9	275 275	1700 1700	47.892	3333UUUUU
COHSPK0629	LOWER MOLINA PH	39 8.8	H	0	4860	11073	0	3333333
5 RM	MESA PLATEAU CREEK US - WPRS MOLINA,COLO QUAD	108 0.3 20	OP 50.0	0 1598.4	0 4860	0 11073	0	3333UUUUU
CU5SPK0619	PALISADE TO MOUTH OF GUNNISO	39 2.9	H	50.0	0	0	6991.5	3341113
I 6 RM	MESA COLORADO RIVE PALISADE,CLIFTON,GRAND JUNCT	108 33.9 7950	IS -1673.4	0 161.8	51630 51630	173078 173078	40.395	U32UUUUUU
COHSPK0628	PALISADES (GRAND VALLEY) PH	39 5.9	H	0	0	0	0	
4 RM	MESA COLORADO PUBLIC SERVICE CO. OF CO	108 20.7 8790	OP 0	0 80.0	0 0	0 **********	0	

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT *TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG *INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST *ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CUGSPK0627	REDLANDS PH	39 2.9	H	0	1400	12068	935.44	3333333
2	MESA GUNNISON	108 35.6	OP	0	15504	34918	26.789	
RM	REDLANDS WTR AND PWR CO	8020	=2571.1	35.0	16904	46986		3333UUUUU
	GRAND JUNCTION QUAD							
CU5SPK0621	WHITEWATER DS TO MOUTH OF RI	39 2.9	H	50.0	0	0	4931.5	UUUUUUU
I 5	MESA GUNNISON RIVE	108 33.9	IS	0	17060	84801	58.154	
RM		8000	=1475.8	89.9	17060	84801		UUUUUUUUU
	WHITEWATER QUAD							
CU6SPK0620	WHITEWATER	38 58.0	H	250.0	0	0	23305	2242213
I 6	MESA GUNNISON RIVE	108 26.9	IS	880000	306554	304007	76.661	
RM		8000	=2562.5	238.7	306554	304007		212UUUUUU
	WHITEWATER,GUOD POINT,POINT							
CU6SPK0630	LOBO	37 30.0		0	0	0	0	UUUUUUU
D 9	MINERAL WEST FORK SAN	106 54.9	SI	80000	0	0	0	
RM		83	=185.6	=136.2	0	**********		UUUUUUUUU
CU6SWA0031	WAGON WHEEL GAP	37 45.1	IC	255.0	0	0	4534.4	3143442
D 2	MINERAL RIO GRANDE	106 45.8	SI	525000	22041	59590	76. 93	
RM	DOI USBR	780	=533.9	207.7	22041	59590		1333UUUUU
	CREEDE							
CU5SPK0635	CROSS MOUNTAIN	40 28.0	H	15.0	0	0	2266.4	2242223
E 2	MOFFAT YAMPA RIVER	108 21.3	IS	0	18238	52760	42.957	
RM		6106	=472.2	174.8	18238	52760		U33UUUUUU
	ELK SPRING, 15 MIN QUAD							
CU6SPK9030	CROSS MT(JUNIPER=CROSS MOUNT	40 28.0	H	260.0	0	0	7076.3	2242213
D 2	MOFFAT YAMPA	108 21.3	IS	208000	130406	125413	56.424	
RM		6106	=938.4	229.7	130406	125413		333UUU5UU
	ELK SPRINGS 15 MIN, LONE MOU							
CU6SPK0633	ECHO PARK	40 32.9		530.0	0	0	16621	1141111
I 6	MOFFAT GREEN RIVER	109 1.0		6460000	427171	781687	21.263	
RM		15200	=2592.8	518.4	427171	781687		113UUUUUU
	JONES HOLE,SWLLW CNYN,LODORE							
CU6SPK0634	JUNIPER	40 28.0	HI	220.0	0	0	10417	UUUUUUU
I 2	MOFFAT YAMPA RIVER	107 56.9	IS	1083000	147781	161339	64.568	
RM	CRWCO	3157	=1450.9	193.8	147781	161339		UUUUUU5UU
	JUNIPER HOT SPRINGS, HORSE G							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) / (D M,M) / (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) / (AC FT) / (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
CO6SPK0632	LILY PARK	40 28.0	H	80.0	0	0	3589.9	UUUUUUU
I 5	MOFFAT YAMPA RIVER	108 33.0	IS	75000	10392	27158	132.18	
RM		7681	-1180.5	68.9	10392	27158		UUUUUUUUU
	INDIAN WATER CANYON QUAD							
CO6SPK0631	POT HOOK RESERVOIR	40 59.7	C	161.0	0	0	1137.8	UUUUUUU
I 5	MOFFAT SLATER CREEK	107 23.2	IS	55000	92	663	1715.6	
RM		154	-70.7	123.8	92	663		UUUUUUUUU
	BAKERS PEAK QUAD							
CO5SPK0637	MCPHEE DAMSITE	37 34.9	ISRO	270.0	0	0	2864.2	33UU3U3
2	MONTEZUMA DOLORES RIVER	108 35.0	UC	399300	97927	101723	28.157	
RM	US - WPRS	793	-670.2	256.7	97927	101723		3333UUUUU
	TRIMBLE POINT QUAD							
CO6SPK0641	BEDROCK	38 21.9	H	190.0	0	0	3926.5	UUUUUUU
I 5	MONTROSE DOLORES RIVER	108 48.9	IS	554000	14299	29926	131.20	
RM		2173	-474.8	178.8	14299	29926		UUUUUUUUU
	DAVIS MESA QUAD							
CO5SPK0646	BUCKEYE NO 1	38 27.6	I	76.0	0	0	143.13	33UU3U3
2	MONTROSE W PARADOX CRE	109 1.8	UP	4507	696	3480	41.130	
RM	PARADOX VALLEY CANAL RES	200	-149.3	64.9	696	3480		3333UUUUU
	LA SAL QUAD							
CO1SPK9037	CRYSTAL DAM	38 30.6	H	337.0	28000	120000	814.79	3333333
2	MONTROSE GUNNISON RIVE	107 37.5	OP	301000	11192	29160	27,942	
RM	DOI WPRS	3500	1340.0	215.7	39192	149160		3333UU5UU
	CATHEDRAL PEAK, CIMARRON							
CO5SPK0643	CRYSTAL TO EAST PORTAL=GUNNI	38 31.5	H	0	0	0	0	UUUUUUU
I 9	MONTROSE GUNNISON RIVE	107 39.0	IS	0	0	0	0	
RM		3899	-1291.8	12.0	0	**********		UUUUUUUUU
	GRIZZLY RIDGE QUAD							
CO5SPK0644	EAST PORTAL=GUNNISON TO RED	38 35.9	H	50.0	0	0	5098.7	1242223
I 6	MONTROSE GUNNISON RIVE	107 46.9	IS	0	98762	442323	11.527	
RM		3980	-666.1	1038.9	98762	442323		133UUUUUU
	GRIZZLY RIDGE, RED ROCK QUAD							
CO4SPK0642	FIFTY MILE	38 27.0	H	168.0	0	0	6518.1	2242213
I 6	MONTROSE DOLORES RIVER	108 52.9	IS	145000	108336	94991	68.618	
RM		4565	-997.6	156.8	108336	94991		U22UUUUUU
	ROC CREEK,RED CANYON,DAVIS M							

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
COJSPK0648	MORROW POINT RESERVOIR	38 27.0	HCRO	0	0	0	0	
4	MONTROSE GUNNISON RIVE	107 32.2	OP	0	0	0	0	
RM	DOI USBR	3675	1300.0	403.0	0	**********		
CO5SPK0645	RED ROCK TO NORTH FORK	38 46.9	H	50.0	0	0	5392.7	1142113
D 6	MONTROSE GUNNISON RIVE	107 50.0	IS	0	37130	166319	32.423	
RM		3981	-666.2	390.6	37130	166319		U33UUUUUU
	RED ROCK CANYON, BLACK RIDGE							
CO6SPK9036	SMITH FORK	38 43.7	H	275.0	0	0	4058.2	UUUUUUU
D 2	MONTROSE GUNNISON	107 50.5	IS	0	35500	186000	21.818	
RM		4082	1172.0	263.7	35500	186000		UUUU515UU
	BLACK RIDGE, RED ROCK CANYON							
CO5SPK0650	OURAY NO 2	38 0.9	H	50.0	0	0	488.96	UUUUUUU
I 5	OURAY UNCOMPAHGRE R	107 40.5	IS	0	1642	6927	70.582	
RM		21	-17.8	608.3	1642	6927		UUUUUUUUU
	IRONTON QUAD							
CO5SPK0651	OURAY NO 1	37 59.0	H	50.0	0	0	434. 5	UUUUUUU
I 5	OURAY UNCOMPAHGRE R	107 39.4	IS	0	1486	4803	90.360	
RM		18	-8.4	1128.8	1486	4803		UUUUUUUUU
	IRONTON QUAD							
CO5SPK0652	OURAY NO.3	38 4.5	H	50.0	0	0	1096.6	UUUUUUU
I 5	OURAY UNCOMPAHGRE R	107 41.9	IS	0	5123	20473	53.562	
RM		148	-67.5	474.5	5123	20473		UUUUUUUUU
	OURAY QUAD							
COCSPK9003	RIDGWAY RES	38 13.5	ISCR	227.0	0	0	494.13	33UU3U3
2	OURAY UNCOMPAHGRE R	107 45.1	UC	80000	5787	17064	28.956	
RM		264	194.0	220.7	5787	17064		3333UU5UU
	RIDGEWAY, DALLAS QUADS							
COCMRU0093	TARRYALL	39 13.0	R	70.0	0	0	209.80	332N2N3
I 2	PARK TARRYALL CREE	105 35.6	OP	15665	2265	6559	31.985	
RM	COLO DIV OF WILDLIFE	320	226.1	51.6	2265	6559		N3333333
CO5SPK0659	ASPEN	39 12.0	H	50.0	0	0	642.73	UUUUUUU
I 5	PITKIN ROARING FORK	106 50.0	IS	0	615	4617	139.19	
RM		109	-48.1	259.7	615	4617		UUUUUUUUU
	ASPEN QUAD							

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CO5SPK0660	CASTLE CREEK	39 16.5	H	50.0	0	0	1736.4	UUUUUUU
I 5	PITKIN ROARING FORK	106 53.5	IS	0	7591	32179	53.959	
RM		224	-105.0	479.5	7591	32179		UUUUUUUUU
	ASPEN QUAD							
CO5SPK0656	CHAIR MOUNTAIN	39 9.0	H	50.0	0	0	1194.8	UUUUUUU
I 5	PITKIN CRYSTAL RIVER	107 15.0	IS	0	3629	14186	84.227	
RM		94	-74.0	299.7	3629	14186		UUUUUUUUU
	CHAIR MOUNTAIN QUAD							
CO5SPK0588	CRYSTAL	39 3.9	H	50.0	0	0	866.30	UUUUUUU
I 5	PITKIN CRYSTAL RIVER	107 9.9	IS	0	3979	15628	55.431	
RM		40	-31.3	779.2	3979	15628		UUUUUUUUU
	SNOWMASS MTN QUAD							
CO5SPK0655	HOT SPRINGS	39 15.9	H	50.0	0	0	1324.6	UUUUUUU
I 5	PITKIN CRYSTAL RIVER	107 13.4	IS	0	5439	21324	62.118	
RM		168	-132.0	252.7	5439	21324		UUUUUUUUU
	REDSTONE QUAD							
CO5SPK0661	LINCOLN GULCH	39 9.0	H	50.0	0	0	855.64	2242333
I 2	PITKIN ROARING FORK	106 46.9	IS	0	5755	26090	32.795	
RM		62	-27.4	1488.5	5755	26090		U33UUUUUU
	N.Y. PEAK, ASPEN, THIMBLE RO							
CO5SPK0653	MT SOPRIS	39 19.9	H	50.0	0	0	1711.9	UUUUUUU
I 5	PITKIN CRYSTAL RIVER	107 12.5	IS	0	7974	30815	55.557	
RM		215	-171.1	281.7	7974	30815		UUUUUUUUU
	MT SOPRIS QUAD							
CO7SPK0654	REDSTONE	39 14.0	H	225.0	0	0	3218.2	UUUUUUU
I 5	PITKIN CRYSTAL RIVER	107 13.9	IS	76500	9140	34258	93.940	
RM		162	-127.8	436.5	9140	34258		UUUUUUUUU
	REDSTONE QUAD							
COCSPK0665	RUEDI RESERVOIR	39 21.7	IRC	287.0	0	0	546.87	33UU3U3
2	PITKIN FRYINGPAN RIV	106 49.0	OP	119007	6642	22592	24.205	
RM	US - WPRS	223	200.0	249.0	6642	22592		3333UU5UU
	RUEDI QUAD							
CO5SPK0658	SNOWMASS CREEK	39 21.9	H	50.0	0	0	1961.3	3342223
I 2	PITKIN ROARING FORK	107 1.9	IS	0	8963	58418	33.574	
RM		493	-355.4	257.7	8963	58418		222UUUUUU
	WOODY CREEK,BASALT QUADS							

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CU5SPK0657	WOODY CREEK	39 19.9	H	50.0	0	0	2208.6	3342233
I 2	PITKIN ROARING FORK	106 58.9	IS	0	10774	70110	31.501	
RM		363	=261.4	419.5	10774	70110		U33UUUUUU
	WOODY CREEK QUAD							
CO6SWA0040	FOUNTAIN DAM	38 19.7	CR	172.0	0	0	6643.8	UUUUUUU
I 5	PUEBLO FOUNTAIN CREE	104 36.3	SI	247000	115	441	15049	
RM	DAEN SWA	917	16.0	56.4	115	441		UUUUUUUUU
	NORTHEAST PUEBLO							
COCSWA0042	PUEBLO DAM	38 16.1	ICSR	191.0	0	0	1138.4	3333333
I 2	PUEBLO ARKANSAS RIVE	104 43.4	OP	357000	21608	53576	21.248	
RM	DOI USBR	4670	843.0	138.8	21608	53576		3333UUUUU
	NORTHWEST PUEBLO							
CUCSPK0676	BIG BEAVER	39 58.4	R	98.0	0	0	318.81	33UU3U3
2	RIO BLANCO TR=WHITE RIVE	107 38.5	OP	7658	2848	9661	32.998	
RM	COLO DIV OF WILDLIFE	170	255.0	82.9	2848	9661		3333UUUUU
	BIG BEAVER RESERVOIR QUAD							
CU5SPK0666	BIG FISH CR TO SNELL CR	40 3.9	H	50.0	0	0	515.77	UUUUUUU
I 5	RIO BLANCO NORTH FORK WH	107 21.4	IS	0	451	1919	268.67	
RM		50	=12.2	651.3	451	1919		UUUUUUUUU
	CRAIG AND LEADVILLE, 1:25000							
CU5SPK0669	MARVINE CREEK TO MOUTH	39 59.7	H	50.0	0	0	1905.1	3342233
I 2	RIO BLANCO NORTH FORK WH	107 36.2	IS	0	9274	53961	35.305	
RM		193	=166.2	509.4	9274	53961		U22UUUUUU
	BUFORD,FAWN CR., LOST PARK,B							
CU5SPK0671	PELTIER CREEK TO MOUTH	39 57.5	H	50.0	0	0	1518.1	3242233
I 2	RIO BLANCO SOUTH FORK WH	107 35.4	IS	0	5439	35955	42.222	
RM		156	=149.1	449.5	5439	35955		U33UUUUUU
	BUFORD, BIG BEAVER RES QUADS							
CU6SPK0674	RANGELY	40 3.9	H	190.0	0	0	5733.4	UUUUUUU
I 5	RIO BLANCO WHITE RIVER	109 1.0	IS	650000	21828	65503	87.529	
RM		4020	=703.4	178.8	21828	65503		U1UUUUUUU
	WALSH KNOLLS QUAD							
CU5SPK0673	SEC 19 TO GAUGE STA 30 MEEKE	40 1.9	H	50.0	0	0	2520.0	3342233
I 2	RIO BLANCO WHITE RIVER	107 51.4	IS	0	10784	62403	40.383	
RM		542	=297.1	329.6	10784	62403		U33UUUUUU
	VEATCH GULCH,RATTLESNAKE MES							

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CO5SPK0670	SEC 27 T2N R89W TO LOST SOLA	39 51.4	H	50.0	0	0	1272.5	UUUUUUU
I 5	RIO BLANCO SOUTH FORK WH	107 26.1	IS	0	7871	17786	71.546	
RM		59	-27.8	999.0	7871	17786		UUUUUUUUU
	LEADVILLE 1:250000							
CO5SPK0667	SNELL CR TO MARVINE CR	40 2.5	H	50.0	0	0	1303.6	3342333
I 2	RIO BLANCO NORTH FORK WH	107 29.5	IS	0	5486	31722	41. 95	
RM		90	-75.6	662.3	5486	31722		U33UUUUUU
	CRAIG 1:250,000							
CO5SPK0672	SOUTH FORK TO IRRIGATION SEC	39 57.0	H	50.0	0	0	2726.1	1342233
I 2	RIO BLANCO WHITE RIVER	107 45.0	IS	0	13818	56173	48.530	
RM		459	-293.2	299.7	13818	56173		U22UUUUUU
	BIG BEAVER RES AND VEATCH GU							
CO6SPK0675	SOUTH FORK	39 52.1	H	0	0	0	13402	UUUUUUU
I 9	RIO BLANCO SOUTH FORK WH	107 32.2	IS	85000	58	329	40668	
RM		169	-55.0	499.5	58	329		UUUUUUUUU
	MEADOW CREEK LAKE QUAD, LEAD							
CO5SPK0668	WEST MARVINE CREEK TO MOUTH	40 2.5	H	50.0	0	0	537.33	UUUUUUU
I 5	RIO BLANCO MARVINE CREEK	107 29.5	IS	0	258	1326	404.97	
RM		47	-11.5	589.4	258	1326		UUUUUUUUU
	LOST PARK QUAD							
CO6SWA0043	GERRARD	37 40.8	P	220.0	0	0	6943.0	3343442
I 2	RIO GRANDE RIO GRANDE	106 35.8	IS	450000	28511	73774	94.111	
RM	FERC	1180	-807.8	166.8	28511	73774		1333UUUUU
	SOUTH FORK EAST							
COCSPK0684	LAKE CATAMOUNT	40 21.3	R	52.0	0	0	150.51	33UU3U3
2	ROUTT YAMPA RIVER	106 48.0	OP	7422	1014	3805	39.551	
RM	PLEASANT VALLEY INVEST-	383	-296.1	42.9	1014	3805		3333UUUUU
	BLACK TAIL MTN QUAD							
CO7SPK0678	SLATER FALLS	40 50.9	H	0	0	0	15257	UUUUUUU
I 9	ROUTT SLATER FORK	107 16.0	IS	0	26	62	243217	
RM			-42.2	453.5	26	62		UUUUUUUUU
	BUCK POINT QUAD							
CO6SPK0677	UPPER BEAR	40 16.9	H	200.0	0	0	5551.9	UUUUUUU
I 5	ROUTT YAMPA RIVER	106 50.0	IS	125000	24803	32384	171.44	
RM		227	-363.2	189.8	24803	32384		UUUUUUUUU
	BLACKTAIL MOUNTAIN QUAD							

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CO5SPK0689	37 25.0	H	50.0	0	0	2640.1	3242223
I 2	107 48.0	IS	0	26059	120848	21.846	
RM	421	-276.3	684.3	26059	120848		U32UUUUUU
	ELECTRA LAKE, HERMOSA QUADS						
CU7SPK0685	37 48.5	H	320.0	0	0	4882.0	UUUUUUU
I 5	107 39.4	IS	54000	3471	11377	429.10	
RM	41	-37.5	566.4	3471	11377		U1UUUUUUU
	HOWARDSVILLE QUAD						
CU7SPK0687	37 36.9	H	185.0	0	0	1716.3	UUUUUUU
E 5	107 43.0	IS	0	6313	22223	77.232	
RM	36	-33.2	1153.8	6313	22223		UUUUUUUUU
	ENGINEER MOUNTAIN QUAD						
CO5SPK0688	37 36.5	H	50.0	0	0	3144.9	UUUUUUU
I 2	107 45.0	IS	0	29172	137488	22.874	
RM	247	-184.5	1165.8	29172	137488		UUUUUUUUU
	SNOWDON PEAK,MOUNTAIN VIEW C						
CU6SPK0686	37 45.0	H	250.0	0	0	2590.7	UUUUUUU
I 5	107 39.9	IS	16478	17727	36863	70.279	
RM	158	-288.6	239.7	17727	36863		UU1UUUUUU
	SILVERTON QUAD						
CU5SPK0696	38 12.0	H	50.0	0	0	2364.5	2342233
I 2	108 18.5	IS	0	10385	51536	45.881	
RM	463	-198.8	405.5	10385	51536		233UUUUUU
	SANBURN PEAK, NORWOOD QUADS						
CO5SPK0697	38 23.0	H	50.0	0	0	4994.4	UUUUUUU
I 5	108 48.0	IS	0	31822	88526	56.417	
RM	463	-111.4	1242.7	31822	88526		UUUUUUUUU
	NORWOOD QUAD						
CU5SPK0690	37 56.4	H	50.0	0	0	558.48	UUUUUUU
I 2	107 54.0	IS	0	3200	9800	56.988	
RM	46	-7.9	639.3	3200	9800		UUUUUUUUU
	GRAY HEAD QUAD						
COCSPK0699	38 5.5	I	50.0	0	0	50. 31	33UU3U3
5	108 20.9	OP	468	69	565	88.469	
RM	71	-129.7	42.9	69	565		3333UUUUU
	OAK HILL QUAD						

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CO5SPK0692	PLACERVILLE	38 1.5	H	50.0	0	0	817.68	UUUUUUU
I 5	SAN MIGUEL SAN MIGUEL RI	108 3.9	IS	0	859	6459	126.59	
RM		157	-70.4	239.7	859	6459		UUUUUUUUU
	PLACERVILLE QUAD							
CU4SPK0694	SALTADO DAM SITE	38 3.9	H	282.0	0	0	3452.4	UUUUUUU
I 5	SAN MIGUEL SAN MIGUEL RI	108 9.9	IS	53000	18948	40588	85.59	
RM		340	-253.8	270.7	18948	40588		UUUUUU4UU
	GURLEY CAYON QUAD							
CO5SPK0695	SALTADO DS TO MCKENZIE CREEK	38 8.0	H	50.0	0	0	1617.1	3342233
I 2	SAN MIGUEL SAN MIGUEL CR	108 13.0	IS	0	7165	33771	47.884	
RM		340	-153.3	344.6	7165	33771		U33UUUUUU
	GURLEY,CANYON, SANBORN PEAK							
CO5SPK0691	SAWPIT	37 59.4	H	50.0	0	0	880.48	UUUUUUU
I 5	SAN MIGUEL SAN MIGUEL RI	108 0.4	IS	0	3142	15182	57.993	
RM		110	-48.5	489.5	3142	15182		UUUUUUUUU
	GRAY HEAD QUAD							
COJSPK0701	TROUT LAKE	37 49.7	H	43.0	3600	7766	0	3333333
5	SAN MIGUEL TR-S FORK SAN	107 53.2	OP	4112	0	0	0	
RM	WESTERN COLO POWER CO	14	-16.8	1015.0	3600	7766		3333UUUUU
	MOUNT WILSON QUAD							
CO5SPK0702	ACORN CREEK	39 48.9	H	50.0	0	0	1668.7	UUUUUUU
I 5	SUMMIT BLUE RIVER	106 11.0	IS	0	4143	24968	66.835	
RM		465	-214.0	234.7	4143	24968		UUUUUUUUU
	UTE PEAK 1:62500							
COCSPK0706	DILLON	39 37.1	S	240.0	0	0	540.88	33UU3U3
2	SUMMIT BLUE RIVER	106 3.6	OP	252678	6426	20246	26.715	
RM	DENVER WATER BOARD	335	206.0	215.7	6426	20246		3333UUUUU
	FRISCO QUAD							
COJSPK0705	GREEN MOUNTAIN RESERVOIR	39 52.6	IHR	0	0	0	0	
4	SUMMIT BLUE RIVER	106 19.7	OP	0	0	0	0	
RM	DOI USBR	598	545.0	261.0	0	**********		
CO5SPK0703	TAILWATER GREEN MTN DAM TO S	39 55.0	H	50.0	0	0	1737.7	UUUUUUU
I 5	SUMMIT BLUE RIVER	106 20.9	IS	0	5086	32527	53.425	
RM		599	-337.9	164.8	5086	32527		UUUUUUUUU
	MT POWELL 1:62500							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. -NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	SOCIAL
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
COHSPK0708	UPPER MOLINA PH	39 08.4	H	0	0	0	0	
4	SUMMIT PLATEAU CREEK	108 00.1	OP	0	0	0	0	
RM	USBR	20	0	2663.0	0	**********		
	MOLINA,COLO QUAD							

IDAHO (ID)

SITE ID / DEP ACTV CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
IDMNPW0006	HARBER DAM	43 33.5	O	48.0	0	0	1480.5	NNNNNNN
I 2	ADA BOISE RIVER	115 9.8	OP	180	19804	40310	36.728	
NW	ADA COUNTY	2700	-3125.0	20.9	19804	40310		NNNNNNNYN
	BOISE 1:62500.							
IDCNPW0007	BLACKS LAKE	43 27.6	IS	59.0	0	0	98.527	NNNNNNN
I 2	ADA BLACKS CREEK	116 8.6	OP	3000	1183	2097	46.978	
NW	PLEASANT VALLEY IRR CO	40	-83.1	41.9	1183	2097		NNNNNNNUN
	OWYHEE 1:24000.							
IDGNPW0008	BOISE DIVERSION	43 32.5	IH	51.0	1500	8651	643.84	NNNNNYN
S 2	ADA BOISE RIVER	116 5.9	OP	800	11278	12556	51.278	
NW	DOI USBR	2685	1358.0	31.9	12778	21207		NNNNNNNYN
	BOISE 1:62500.							
ID4NPW0003	LOW GUFFEY	43 18.1	IH	61.0	0	0	5259.5	YNYNYYN
S 6	ADA SNAKE RIVER	116 33.8	SP	27000	20113	110962	47.398	
NW		42000	10200.0	16.4	20113	110962		UNYUNNNUN
IDCNPW0009	LUCKY PEAK	43 31.5	CSR	250.0	0	0	2557.4	NNNNNNN
I 2	ADA BOISE RIVER	116 3.0	OP	307000	75000	278500	9.1830	
NW	DAEN NPW	2650	-3067.2	218.7	75000	278500		NNNNNNNYN
IDENPW0005	NEW YORK CANAL	43 28.9	I	0	0	0	165.74	NNNNNNN
S 2	ADA BOISE RIVER	116 22.0	OP	0	1250	5000	33.149	
NW	BOISE KUNA AND NEW YORK IRR		452.0	27.0	1250	5000		NNNNNNNYN
	O.							
IDGNPW0004	SWAN FALLS	45 14.5	H	40.0	60000	410000	0	NNNNNNN
I 5	ADA SNAKE RIVER	116 22.1	OP	6900	0	0	0	
NW	ID POWER CO	41900	10578.5	40.0	60000	410000		NNNNNNNUN
ID5NPW0014	BEAR CREEK FALLS	44 58.0	H	10.0	0	0	679.89	NNNNYUN
I 2	ADAMS BEAR CREEK	116 43.9	IS	90	3079	17207	39.511	
NW		98	100.0	879.1	3079	17207		UNYUNYNUN
	HORNET							
IDCNPW0019	C BEN ROSS	44 31.3	IS	67.0	0	0	126.42	NNNNNNN
I 2	ADAMS LITTLE WEISER	116 27.7	OP	7787	2054	3750	33.703	
NW	DOI USBR	90	105.0	52.9	2054	3750		NNNNNNNUN

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ID5NPW0015	COLD SPRINGS RIDGE	44 30.5	H	10.0	0	0	488.27	NNNNYUN
I 5	ADAMS LITTLE WEISER	116 18.5	IS	90	1035	2668	183. 0	
NW		30	45.0	999.0	1035	2668		UNYUNNNUN
	CASCADE							
ID5NPW0012	CUPRUM	45 4.3	H	10.0	0	0	392.80	NNNNYUN
I 2	ADAMS INDIAN CREEK	116 46.0	IS	90	1431	7090	55.402	
NW		25	30.0	1915.0	1431	7090		UNNNNYNUN
	HOMESTEAD							
ID5NPW0011	DEEP CREEK	45 15.0	H	10.0	0	0	510.64	NNNNYUN
I 2	ADAMS DEEP CREEK	116 41.9	IS	90	2713	10177	50.175	
NW		22	30.0	2887.1	2713	10177		NNNNNYNUN
	CUPRUM 1:62500.							
ID5NPW0013	EMERY CREEK	44 53.0	H	10.0	0	0	681.21	NUNNYUN
I 2	ADAMS WILDHORSE RIV	116 43.9	IS	90	2031	12570	54.193	
NW		115	110.0	559.4	2031	12570		UNNNNYNUN
	HORNET							
IDINPW0017	HELLS CANYON	42 19.9	H	330.0	391500	1995600	0	NNNNNNN
I 5	ADAMS SNAKE RIVER	117 0.0	OP	170000	0	0	0	
NW	ID POWER CO	73300	-19550.5	272.9	391500	1995600		NNNNNNNYN
IDINPW0018	OXBOW	44 58.0	H	209.0	190000	1044300	0	NNNNNNN
I 5	ADAMS SNAKE RIVER	116 50.5	OP	58200	0	0	0	
NW	ID POWER CO	72800	-18402.8	94.9	190000	1044300		NNNNNNNYN
ID4NPW0010	ROUND VALLEY	45 6.9	H	220.0	0	0	5553.9	NNNNYUN
I 5	ADAMS LITTLE SALMON	116 16.9	IS	700000	17833	24053	230.90	
NW		208	310.0	192.6	17833	24053		UNYYNNNUN
ID5NPW0016	WILDHORSE	44 50.9	H	10.0	0	0	734.28	NNNNYUN
I 2	ADAMS WILDHORSE RIV	116 52.9	IS	90	3266	20283	36.201	
NW		115	110.0	994.0	3266	20283		UNNNNYNUN
	COPPERFIELD 1:62500.							
ID4NPW0094	BLACK ROCK	42 47.9	H	80.0	0	0	2329.6	NNYNYUN
I 5	BANNOCK PORTNEUF RIVE	112 20.9	IS	67200	2075	4446	523.98	
NW		897	235.0	37.2	2075	4446		NUYUNNNUN
	INKOM 1:24000							

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ID6NPW0025	LAVA HOT SPRINGS	42 37.3	H	360.0	0	0	10772	NNYNYUN
I 5	BANNOCK PORTNEUF RIVE	112 3.9	IS	52453	3810	17157	627.87	
NW		570	193.0	345.6	3810	17157		UYYYNNNUN
	LAVA HOT SPRINGS 1:24000.							
ID4NPW0026	MARSH CREEK DAM	42 44.4	ICSR	90.0	0	0	1943.4	NNYNYUN
I 5	BANNOCK MARSH CREEK	112 14.2	SA	74855	648	2917	666.21	
NW		375	70.0	83.9	648	2917		UNYYNNNUN
	MC CAMMON 1:24000.							
ID5NPW0024	POCATELLO	42 56.0	H	10.0	0	0	1860.2	NNNNYUN
I 5	BANNOCK PORTNEUF RIVE	112 32.3	IS	90	597	2995	620.92	
NW		897	235.0	114.8	597	2995		UYYUNNNUN
	MICHAUD 1:24000.							
ID5SPK0714	BLOOMINGTON RESERVOIR	42 11.4	H	60.0	0	0	**********	UUUUUUU
I 5	BEAR LAKE BLOOMINGTON C	111 28.9	IS	0	1913	12288	**********	
NW		25	940.0	749.2	1913	12288		UUUUUUUUU
	PARIS PEAK QUAD							
IDHSPK0710	PARIS POWER PLANT	42 13.0	H	0	650	4279	0	3333333
5	BEARLAKE PARIS CANYON	111 26.7	OP	0	0	0	0	
NW	UTAH POWER AND LIGHT CO	19	-50.6	346.0	650	4279		3333UUUUU
	PARIS QUAD							
ID4NPS0002	ST MARIES #2	47 11.5	H	400.0	0	0	15237	UUUUUUU
I 5	BENEWAH ST MARIES RIV	116 31.3	IS	5000000	18961	103060	147.85	
NW		350	-422.9	380.0	18961	103060		UUUUUUUUU
	EMIDA,ID. (15MIN.)							
ID5NPS3012	ST. MARIES NO. 3	47 12.4	H	80.0	0	0	2990.5	NNYNYUU
E 2	BENEWAH ST. MARIES R	116 33.5	IS	18800	18077	63445	47.135	
NW		400	-483.3	317.0	18077	63445		YNYUUUUUU
	EMIDA, ID (15)							
ID6NPS0001	ST. MARIES NO. 1	47 14.5	H	385.0	0	0	5201.6	NNYNYUU
D 2	BENEWAH ST. MARIES R	116 37.6	IS	434700	23052	125318	41.507	
NW		437	-528.0	370.0	23052	125318		YNYUUUUUU
	EMIDA,ID. (15MIN.)							
ID4NPW0032	ALDRIDGE	43 11.2	H	330.0	0	0	4010.7	NNYNYUN
I 5	BINGHAM BLACKFOOT RIV	112 0.3	IS	42000	25491	54594	73.463	
NW		909	357.0	319.6	25491	54594		NNNNNNNUN
	HIGHAM PEAK 1:24000.							

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ID6NPW0034	BRUSH CREEK	43 6.9	H	200.0	0	0	2297.1	NUYNYUN
I 5	BINGHAM BLACKFOOT RIV	111 54.0	IS	95300	14768	23631	97.207	
NW		799	248.0	186.8	14768	23631		UNNNNNNUN
	PARADISE VALLEY 1:62500.							
ID4NPW0030	FERRY BUTTE	43 6.9	H	35.0	0	0	4493.3	NNYNYUN
I 5	BINGHAM SNAKE RIVER	112 33.9	IS	50850	11663	47108	95.382	
NW		11300	3913.0	19.9	11663	47108		UNYYNNNYN
	RINGREE 1:24000							
ID4NPW0036	FIRTH	43 18.9	H	20.0	0	0	2845.2	NNYNYUN
I 5	BINGHAM SNAKE RIVER	112 11.0	IS	1754	3867	19211	148.10	
NW		9805	5140.0	9.9	3867	19211		UNYYNNNYN
	FIRTH							
ID4NPW0035	GRAVES CREEK	43 2.9	H	220.0	0	0	7905.9	NUYNYUN
I 5	BINGHAM BLACKFOOT RIV	111 54.9	IS	715000	14690	32614	242.40	
NW		725	225.0	204.7	14690	32614		UNNNNNNUN
	PARADISE VALLEY 1:62500.							
ID4NPW0028	MONROE	43 20.3	H	37.0	0	0	4025.2	NNYNYUN
I 5	BINGHAM SNAKE RIVER	112 9.9	IS	20670	11384	52904	76. 84	
NW		9800	5140.0	16.7	11384	52904		UNYUNNNUN
	FIRTH ID 1:24000							
ID5NPW0033	SPRING CREEK	43 10.0	H	10.0	0	0	933.98	NNNNYUN
I 2	BINGHAM BLACKFOOT RIV	111 58.9	IS	90	4744	24924	37.473	
NW		835	260.0	299.7	4744	24924		UNNNNNNUN
	PARADISE VALLEY 1:62500.							
ID5NPW0031	WOLVERINE CREEK	43 15.3	H	10.0	0	0	1208.4	NNNNYUN
I 5	BINGHAM BLACKFOOT RIV	112 3.9	IS	90	4453	8896	135.83	
NW		909	347.0	259.7	4453	8896		UNNNNNNUN
	GOSHEN 1:24000.							
ID4NPW0037	WOODVILLE	43 24.0	H	25.0	0	0	2975.0	NNYNYUN
I 5	BINGHAM SNAKE RIVER	112 9.0	IS	1500	1802	12159	244.68	
NW		9790	5130.0	4.9	1802	12159		UNYUNNNYN
	WOODVILLE 1:24000.							
ID5NPW0045	BAKER CREEK	43 46.9	H	10.0	0	0	503.39	NUYNYUN
I 5	BLAINE BIG WOOD RIVE	114 33.0	IS	90	481	0	0	
NW		70	90.0	399.6	481	0		UNYUNNNUN
	EASLEY HOT SPRINGS 1:24000.							

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ID6NPW0044	BOULDER FLATS	43 47.3	HIC	250.0	0	0	4188.6	YYYNYUN
I 5	BLAINE BIG WOOD RIVE	114 28.0	IS	180320	7065	12708	329.59	
NW	135	170.0	227.7	7065	12708			UNYUNNNUN
	AMBER LAKES 1:24000.							
ID5NPW0042	CAREY	43 17.3	H	10.0	0	0	710.20	NUNNYUN
I 5	BLAINE LITTLE WOOD R	113 56.9	IS	90	1002	4047	175.47	
NW	303	130.0	299.7	1002	4047			UNYYNNNUN
	IDAHO FALLS 1:250000.							
ID5NPW0038	HAILEY	43 30.9	HR	10.0	0	0	1308.9	NUNNYUN
I 5	BLAINE BIG WOOD RIVE	114 19.3	IS	90	1686	7177	182.37	
NW	245	306.0	399.6	1686	7177			UNNNNNNUN
	HAILEY ID 1:24000.							
ID5NPW0039	KETCHUM	43 39.0	HR	10.0	0	0	1050.0	NUNNYUN
I 5	BLAINE BIG WOOD RIVE	114 28.9	IS	90	1239	5723	183.46	
NW	240	306.0	299.7	1239	5723			UNYYNNNUN
	SUN VALLEY 1:24000.							
ID5NPW0040	LAKE CREEK	43 44.0	H	10.0	0	0	983.8	NYNNYUN
I 5	BLAINE BIG WOOD RIVE	114 24.0	IS	90	1227	3157	311.30	
NW	212	265.0	359.6	1227	3157			UNYUNNNUN
	GRIFFIN BUTTE 1:24000.							
IDCNPW0047	LITTLE WOOD	43 20.5	I C	122.0	0	0	232.0	NNNNNNN
I 2	BLAINE LITTLE WOOD R	114 1.5	OP	32000	2883	5839	39.729	
NW	DOI USBR	279	150.0	107.8	2883	5839		NNNNNNNUN
	HAILEY 1:25000.							
IDCNPW0046	MAGIC	43 15.3	I C	133.0	0	0	1046.3	NNNNNNN
I 2	BLAINE BIG WOOD RIVE	114 21.4	OP	192000	16525	30051	34.819	
NW	BIG WOOD CANAL CO	1600	-474.3	119.8	16525	30051		NNNNNNNUN
	BELLEVUE 1:62500.							
IDCNPW0043	UPPER LITTLE WOOD	43 28.2	H	45.0	0	0	18.841	NUYNYUN
I 5	BLAINE LITTLE WOOD R	114 3.0	IS	600	57	351	53.598	
NW	116	60.0	37.9	57	351			UNYUNNNUN
	HAILEY AMS							
ID6NPW0054	ARCHIE CREEK	44 4.9	H	385.0	0	0	5375.4	NUYNYUN
I 6	BOISE S FK PAYETTE	115 28.9	IS	140000	79838	108935	49.345	
NW	369	715.0	366.6	79838	108935			UNYUNYNYY

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ID5NPW0061	BARON CREEK	44 9.2	H	10.0	0	0	460.82	YYYNYUN
I 5	BOISE	S FK PAYETTE 115 11.9	IS	90	1167	4743	97.140	
NW		36	70.0	959.0	1167	4743		UNNNNNNUN
	CHALLIS AMS							
ID6NPW0057	BIG PINE CREEK	44 4.1	H	315.0	0	0	5632.1	NUYNYUN
I 6	BOISE	S FK PAYETTE 115 45.0	IS	110000	95989	150865	37.332	
NW		715	1500.0	286.7	95989	150865		UNYYNYNYY
ID5NPW0066	BULL TROUT LAKE	44 7.3	H	10.0	0	0	467.14	NNNNYUN
I 5	BOISE	WARM SPRING C 115 24.0	IS	90	1241	4674	99.944	
NW		14	35.0	2622.3	1241	4674		UNNNNNNUN
	CHALLIS 1:250000.							
ID6NPW0059	CANYON CREEK	44 10.4	H	245.0	0	0	2454.8	YYYNYUN
I 5	BOISE	S FK PAYETTE 115 15.0	IS	33000	17273	27112	90.544	
NW		160	300.0	214.7	17273	27112		UNNNNNNUN
ID6NPW0055	CASNER CREEK	44 7.5	H	460.0	0	0	4891.2	NUYNYUN
I 6	BOISE	S FK PAYETTE 115 20.0	IS	142000	63629	86771	56.369	
NW		251	470.0	431.2	63629	86771		UNYUNYNYY
ID5NPW0001	CLEAR CREEK	44 4.9	H	10.0	0	0	577.97	NNNNYUN
I 5	BOISE	CLEAR CREEK 115 37.2	IS	90	1558	2639	218.97	
NW		41	80.0	1123.8	1558	2639		UUNNNNNUN
	CHALLIS AMS							
ID5NPW0065	EIGHT MILE	44 7.3	H	10.0	0	0	415.82	NNNNYUN
I 5	BOISE	EIGHT MILE CR 115 24.0	IS	90	676	3137	132.53	
NW		22	45.0	624.3	676	3137		UNNNNNNUN
	CHALLIS 1:250000.							
ID5NPW0050	ELK LAKE	44 5.9	H	10.0	0	0	679. 5	YYNNYUN
I 5	BOISE	S FK PAYETTE 115 9.0	IS	90	2426	5062	134.13	
NW		28	70.0	1198.8	2426	5062		UNNNNNNUN
	WARBONNETT PEAK							
ID5NPW0067	FOGUS	44 10.0	H	10.0	0	0	416.26	NNNNYUN
I 5	BOISE	CANYON CREEK 115 15.0	IS	90	852	1743	238.73	
NW		20	40.0	984.0	852	1743		UNYUNNNUN
	GRANDJEAN 1:24000.							

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ID6NPW0053	GARDEN VALLEY REREG	44 5.3	HIG	435.0	0	0	14040	NNYNYUN
S 6	BOISE S FK PAYETTE	116 3.5	FB	2400000	285206	349924	40.123	
NW		1200	3065.0	420.1	285206	349924		UYYUNYNYY
ID6NPW0300	GARDEN VALLEY	44 4.9	H	130.0	0	0	4853.7	NUYNYUN
S 6	BOISE S FK PAYETTE	116 5.9	FP	7500	63969	99954	48.559	
NW		1200	3065.0	119.3	63969	99954		UYYUNYYYY
ID5NPW0064	GOOSEBERRY CREEK	44 8.0	H	10.0	0	0	382.45	NUNNYUN
I 5	BOISE LIGHTNING-AND	115 56.9	IS	90	841	1918	199.40	
NW		53	53.0	664.3	841	1918		UNNNNNNUN
	GARDEN VALLEY 1:62500.							
ID6NPW0062	GRAHAM	43 55.2	H	260.0	0	0	3416.9	NUYNYUN
I 5	BOISE N FK BOISE R	115 16.9	IS	44000	6098	12393	275.69	
NW		84	138.0	246.7	6098	12393		UNYUNNNUN
	SWANHOLM PEAK 1:24000.							
ID6NPW0058	GRAND JEAN	44 6.9	H	280.0	0	0	3784.3	YYYNYUN
I 5	BOISE S FK PAYETTE	115 8.5	IS	88000	17097	24455	154.74	
NW		121	240.0	251.7	17097	24455		UNNNNNNUN
ID5NPW0063	GRANITE CREEK	45 17.9	H	10.0	0	0	570.28	YYNNYUN
I 6	BOISE GRANITE CREEK	116 39.9	IS	90	3159	17227	33.103	
NW		22	30.0	2887.1	3159	17227		UNNNNNNUN
	HE DEVIL 1:62500.							
ID6NPW0051	HORSESHOE BEND	43 54.4	H	270.0	0	0	15601	NNYNYUN
I 6	BOISE PAYETTE RIVER	116 15.6	IS	480000	475613	704099	22.158	
NW		2352	3387.0	420.8	475613	704099		UYYYNNNYN
ID7NPW0052	LOWER SCRIVER	44 12.0	H	171.0	0	0	4037.1	NNYNYUN
E 2	BOISE SCRIVER CREEK	116 0.0	FP	6900	48538	240599	16.779	
NW		911	1420.0	739.2	48538	240599		UNNNNNNYN
ID6NPW0056	OXBOW BEND	44 4.3	H	235.0	0	0	5513.9	NUYNYUN
I 6	BOISE S FK PAYETTE	115 39.9	IS	60000	93686	154336	35.726	
NW		680	1428.0	211.7	93686	154336		UNYUNYNYY

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ID4NPW0060	STEEP CREEK	44 4.1	H	145.0	0	0	3153.6	NUYNYUN
I 6	BOISE S FK PAYETTE	115 36.4	IS	16400	25556	55082	57.253	
NW		383	740.0	121.9	25556	55082		UNYUNYNUY
IDINPS0008	ALBENI FALLS	48 10.7	HCR	90.0	42600	248000	0	UUUUUUU
I 5	BONNER PEND OREILLE	116 59.9	OP	1561200	0	0	0	
NW	DAEN NPS	24200	-26109.1	31.3	42600	248000		UUUUUUUUU
	PRIEST RIVER,ID							
IDINPS0007	CABINET GORGE	48 5.1	H	195.0	200000	1088500	3321.1	UUUUUUU
I 5	BONNER CLARK FORK	116 3.3	OP	112000	100000	0	0	
NW	WASHINGTON WATER POWER C	21840	-22414.5	181.9	300000	1088500		UUUUUUUUU
	CLARK FORK, ID (15 MIN).							
ID5NPS0006	PRIEST LAKE NEW OUTLET CONTR	48 28.0	H C	60.0	0	0	8739.3	UUUUUUU
S 5	BONNER PRIEST R.	116 54.5	IS	390000	7024	29071	300.61	
NW		585	-1082.4	54.9	7024	29071		UUUUUUUUU
	OUTLET BAY, ID.							
ID6NPS3013	PRIEST LAKE	48 28.0	HC	160.0	0	0	10912	
S 6	BONNER PRIEST RIVER	116 54.5	IS	908000	17322	33037	330.31	
NW		585	-1081.1	138.8	17322	33037		
	OUTLET BAY, ID							
ID4NPS0005	PRIEST NO.4	48 25.3	HC	60.0	0	0	1718.4	UUUUUUU
S 5	BONNER PRIEST RIVER	116 54.5	IS	1	6289	26364	65.181	
NW		615	-1136.5	47.9	6289	26364		UUUUUUUUU
	OUTLET BAY,ID							
ID7NPS0004	PRIEST NO.6	48 15.4	HC	185.0	0	0	6777.2	NYYNYUY
I 2	BONNER PRIEST RIVER	116 51.4	IS	592000	26210	149178	45.430	
NW		790	-1461.7	162.0	26210	149178		YYNUUUUUU
	PRATER MTN,ID							
ID4NPS0003	PRIEST RIVER	48 11.6	HC	70.0	0	0	3350.4	UUUUUUU
S 5	BONNER PRIEST RIVER	116 53.8	IS	25892	14084	53395	62.748	
NW		907	-1676.1	61.9	14084	53395		UUUUUUUUU
	PRIEST RIVER,ID							
ID6NPW0069	BURNS CREEK	43 36.1	HI	176.0	0	0	14158	NUYNYUN
I 2	BONNEVILLE SNAKE RIVER	111 30.0	SP	234000	320628	583016	24.285	
NW		5659	6730.0	165.8	320628	583016		UNYYNYNYN

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ID6NPW0071	CLARK RANCH	43 35.9	H	95.0	0	0	11999	NUYNYUN
S 2	BONNEVILLE SNAKE RIVER	111 36.4	IS	30000	126417	283606	42.311	
NW		5700	5659.0	64.9	126417	283606		UNNUNYNUN
IDGNPW0070	LOWER NEW IDAHO FALLS	43 25.2	H	40.0	11000	80000	0	NNNNNNN
I 5	BONNEVILLE SNAKE RIVER	112 5.9	OP	4000	0	0	0	
NW	CITY OF IDAHO FALL	9760	5200.0	15.6	11000	80000		NNNNNNNYN
	ID FALLS							
ID5NPW0074	LOWER PINE CREEK	43 30.0	H	10.0	0	0	415.31	NNNNYUN
I 5	BONNEVILLE PINE CREEK	111 22.0	IS	90	297	667	622.46	
NW		63	65.0	299.7	297	667		UNNNNNNUN
	GARNS MTN 1:62500.							
ID4NPW0068	LOWER RUSH BEDS	43 35.9	H	85.0	0	0	12099	NUYNYUN
I 2	BONNEVILLE SNAKE RIVER	111 39.0	IS	51855	117638	264337	45.772	
NW		5745	6830.0	60.6	117638	264337		UNNNNYNUN
	POPLAR ID							
IDINPW0080	PALISADES	43 19.9	IHCR	270.0	114000	610000	2744.4	NNNNYYN
I 2	BONNEVILLE SNAKE RIVER	111 11.9	OP	1402000	90000	158000	17.370	
NW	DOI USBR/ID POWER CO	5208	-6726.0	248.5	204000	768000		NNNNNNNYN
ID5NPW0076	PALISADES LAKES	43 23.0	H	10.0	0	0	626.25	NNYNYUN
I 5	BONNEVILLE PALISADE CREE	111 15.0	IS	90	2722	3970	157.73	
NW		42	40.0	1243.7	2722	3970		UNNNNNNUN
	THOMPSON PEAK 1:24000.							
ID5NPW0075	POISON CREEK	43 32.3	H	10.0	0	0	396.74	NNNNYUN
I 5	BONNEVILLE PINE CREEK	111 18.0	IS	90	376	868	456.63	
NW		45	45.0	399.6	376	868		UNNNNNNUN
	GARNS MTN IDAHO 1:62500.							
IDCNPW0081	RIRIE	43 10.0	CISR	184.0	0	0	463. 3	NNNNNNN
I 2	BONNEVILLE WILLOW CREEK	110 39.9	OP	100000	5184	10104	45.825	
NW	DOI USBR- BUILT BY DAEN NPW	622	215.0	176.8	5184	10104		NNNNNNNUN
ID6NPW0072	SWAN VALLEY	43 27.0	HI	120.0	0	0	13576	NUYNYYN
I 2	BONNEVILLE SNAKE RIVER	111 23.2	IS	6710	187230	420210	32.308	
NW		5486	-6679.6	99.8	187230	420210		UNYYNYNUN

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ID6NPW0073	TEX CREEK	43 26.2	H	330.0	0	0	7955.4	NNYNYUN
I 5	BONNEVILLE WILLOW CREEK	111 43.3	IS	38000	18778	25569	311.12	
NW		556	195.0	322.6	18778	25569		UNUUNNNUN
	HELL CREEK 1:62500.							
IDGNPW0077	UPPER IDAHO FALLS NO 2	43 33.1	H	30.0	10000	57000	0	NNNNNNN
I 5	BONNEVILLE SNAKE RIVER	112 3.0	OP	900	0	0	0	
NW	CITY OF IDAHO FALLS	9760	-6246.9	13.9	10000	57000		NNNNNNNYN
	IDAHO FALLS NORTH 1:24000.							
IDGNPW0078	UPPER IDAHO FALLS NO 1	43 29.0	H	25.0	8000	56000	0	NNNNNNN
I 5	BONNEVILLE SNAKE RIVER	112 2.3	OP	900	0	0	0	
NW	CITY OF IDAHO FALLS	9760	5200.0	18.9	8000	56000		NNNNNNNYN
	IDAHO FALLS NORTH AND SOUTH							
ID5NPS0009	EILEEN	48 46.6	H	160.0	0	0	3472.7	NYYNYUU
S 2	BOUNDARY MOYIE RIVER	116 9.1	IS	20000	21456	74266	46.760	
NW		750	-888.8	232.0	21456	74266		YNNUUUUUU
	MEADOW CREEK,ID							
ID5NPS0024	KATKA	48 41.6	H	95.0	0	0	9741.4	NNYNYUU
S 2	BOUNDARY KOOTENAI R.	116 8.0	IS	1	164973	690359	14.110	
NW		12000	-14493.0	102.0	164973	690359		YYYUUUUUU
	MOYIE SPRINGS, ID.							
ID7NPS0011	MEADOW CREEK	48 49.9	HC	260.0	0	0	6701.8	NYYYYUY
S 2	BOUNDARY MOYIE RIVER	116 9.7	IS	460000	27623	167116	40.102	
NW		700	-829.5	320.0	27623	167116		YYYUUUUUU
	MEADOW CREEK,ID							
ID6NPS0010	MOYIE CANYON	48 49.9	H	260.0	0	0	5692.3	NYYNYUY
E 2	BOUNDARY MOYIE RIVER	116 9.7	IS	460000	21580	130559	43.599	
NW		700	-829.5	250.0	21580	130559		YYYUUUUUU
	MEADOW CREEK,ID							
IDHNPS0012	MOYIE FALLS DAM	48 44.0	H	80.0	2380	12000	198.54	UNUUUUU
I 2	BOUNDARY MOYIE RIVER	116 10.4	OP	800	1500	6000	33. 91	
NW	CITY OF BONNERS FERRY	760	-900.6	211.0	3880	18000		UUUUUUUUU
	MOYIE SPRINGS,ID							
ID5NPW0082	BARTLETT POINT	44 2.3	H	10.0	0	0	1849.6	NNNNYUN
I 2	BUTTE BIG LOST RIVE	113 54.9	IS	90	21578	94987	19.472	
NW		430	280.0	2697.3	21578	94987		UNYYNNNUN
	CHILLY BUTTE 1:24000.							

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ID5NPW0083	HOWE	43 58.0	H	10.0	0	0	761.2	NNNNYUN
I 5	BUTTE LITTLE LOST R	113 13.9	IS	90	238	491	1549.5	
NW		510	82.0	299.7	238	491		UNNNNNNUN
	HOWE 1:24000.							
ID5NPW0084	RENO	43 56.0	H	10.0	0	0	1236.8	NNNNYUN
I 5	BUTTE BIRCH CREEK	112 46.0	IS	90	4737	16490	75. 0	
NW		295	75.0	1298.7	4737	16490		UNYUNNNUN
	IDAHO FALLS 1:25000.							
ID6NPW0085	BIG SMOKY	43 35.9	H	280.0	0	0	5106.6	NUYNYUN
I 5	CAMAS S FK BOISE R	114 54.9	IS	125000	24828	40690	125.50	
NW		324	420.0	265.7	24828	40690		UNYYNNNUN
	BOARDMAN CREEK 7.5 MIN.							
ID7NPW0088	JOHNSON CREEK	43 39.0	H	300.0	0	0	5056.6	NUYNYUN
I 5	CAMAS S FK BOISE R	114 54.3	IS	180000	499	877	5760.7	
NW		35	55.0	899.1	499	877		UNYUNNNUN
	MARSHALL PEAK							
ID5NPW0087	LITTLE SMOKEY	43 32.9	H	10.0	0	0	516.83	NUNNYUN
I 5	CAMAS S FK BOISE R	114 46.9	IS	90	596	2413	214.17	
NW		67	90.0	409.5	596	2413		UNYYNNNUN
	SYDNEY BUTTE 1:24000.							
IDENPW0093	LOWER DEER FLAT	43 34.7	IR	46.0	0	0	439.61	NNNNYYN
D 2	CANYON BOISE RIVER O	116 44.5	OP	190000	7866	32969	13.333	
NW	DOI USBR	2680	350.0	38.9	7866	32969		NNNNNNNUN
	LAKE LOWELL 1:24000.							
ID4NPW0090	MARSING	43 30.1	H	51.0	0	0	7123.6	NNYNYUN
I 6	CANYUN SNAKE RIVER	116 46.9	IS	32000	52366	252377	28.226	
NW		42500	10200.0	36.0	52366	252377		UNYYNNNUN
IDENPW0092	MIDDLE DEER FLAT	43 33.7	IR	16.0	0	0	4.7241	NNNNNNN
D 5	CANYON BOISE RIVER O	116 9.9	OP	190000	0	0	19344	
NW	DOI USBR	2680	350.0	8.9	0	0		NNNNNNNUN
	LAKE LOWELL 1:24000.							
IDENPW0091	UPPER DEER FLAT	43 33.5	IR	74.0	0	0	694.44	NNNNNYN
D 2	CANYON BOISE RIVER O	116 38.9	OP	190000	8807	45942	15.115	
NW	DOI USBR	2680	350.0	62.9	8807	45942		NNNNNNNUN
	LAKE LOWELL 1:24000.							

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IDCNPW0301	BLACKFOOT DAM	43 0.1	I	47.0	0	0	177.15	NNNNYYN
I 2	CARIBOU BLACKFOOT RIV	111 42.1	OP	410000	2247	4451	39.795	
NW	DOI BIA	581	=261.0	34.9	2247	4451		NNNNNNNYN
	CRANE FLATT 1:62500							
IDJSPK0717	COVE POWERHOUSE	42 32.5	H	0	0	0	0	
4	CARIBOU BEAR RIVER	111 48.0	OP	0	0	0	0	
NW	UTAH POWER AND LIGHT CO	3860	0	98.0	0	**********		
IDJSPK0718	GRACE POWER HOUSE	42 35.5	HI	0	0	0	0	
4	CARIBOU BEAR RIVER	111 43.4	OP	0	0	0	0	
NW	UTAH POWER AND LIGHT CO	3840	0	524.0	0	**********		
ID7SPK0715	LAVA RESERVOIR	42 36.9	H	50.0	0	0	**********	UUUUUUU
D 5	CARIBOU BEAR RIVER	111 41.9	IS	1432000	5574	34895	*076661845	
NW		3840	885.0	98.9	5574	34895		UUUUUUUUU
	SODA SPRINGS QUAD							
IDISPK0716	SODA POINT RESERVOIR	42 38.4	H	0	0	0	0	
4	CARIBOU BEAR RIVER	111 41.4	OP	0	0	0	0	
NW	UTAH POWER AND LIGHT CO	3840	0	79.0	0	**********		
IDHSPK0719	SODA SPRINGS NO 4 POWERHOUSE	42 39.4	H	0	0	0	0	
4	CARIBOU SODA CREEK	111 37.0	OP	0	0	0	0	
NW	CITY OF SODA SPRINGS	144	0	84.0	0	**********		
IDHSPK0720	SODA SPRINGS NO 1 POWERHOUSE	42 39.4	H	0	0	0	0	
4	CARIBOU SODA CREEK	111 37.0	OP	0	0	0	0	
NW	CITY OF SODA SPRINGS	144	0	50.0	0	**********		
IDCNPW0098	OAKLEY	42 11.8	I	143.0	0	0	154.13	NNNNNNN
I 2	CASSIA GOOSE CREEK	113 54.8	OP	74357	1936	4075	37.822	
NW	OAKLEY CANAL CO	729	=54.6	133.8	1936	4075		NNNNNNNUN
	POCATELLO 1:250000.							
ID7NPW0099	MEDICINE LODGE	44 15.0	H	115.0	0	0	2323.5	NNYNYUN
I 5	CLARK MEDICINE LODG	112 28.0	IS	12120	906	4061	572.13	
NW		250	50.0	499.5	906	4061		UNNNNNNUN

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ID4NPW0105	AHSAHKA	46 29.8	H	46.0	0	0	3783.4	NNYYYUN
I 5	CLEARWATER	116 17.7	IS	4300	10983	49673	76.167	
NW	CLEARWATER RI	5590	10000.0	15.8	10983	49673		NNYYNNNUN
ID7NPW0110	BALD KNOB	46 48.9	H	20.0	0	0	1025.9	NUYNYUN
I 5	CLEARWATER	115 28.9	IS	30	1465	12673	80.949	
NW	SKULL AND QUA	113	270.0	549.4	1465	12673		UNNNNNNUN
ID5NPW0108	BOEHLS BUTTE	46 53.2	H	10.0	0	0	2070.3	NNNNYUN
I 2	CLEARWATER	115 52.0	IS	90	12234	57458	36. 31	
NW	LIT N FK CLEA	234	560.0	599.4	12234	57458		UNNNNNNUN
	BUZZARD ROUST							
IDINPW0304	DWORSHAK	46 30.9	HCRN	635.0	400000	1900000	9741.6	NNUYYYN
I 6	CLEARWATER	116 17.4	OP	3550000	660000	20000	487. 8	
NW	N FK CLEARWAT	2440	5707.0	625.3	1060000	1920000		NNNNNNNYY
	DAEN NPW							
ID5NPW0113	ELIZABETH MOUNTAIN	46 45.0	H	10.0	0	0	1682.7	NUNNYUN
I 5	CLEARWATER	115 13.9	IS	90	3935	17819	94.437	
NW	N FK CLEARWAT	152	380.0	299.7	3935	17819		UNNNNNNUN
	MOOSE MTN.							
ID5NPW0109	GATEWAY	46 55.0	H	10.0	0	0	1818.4	NNNNYUN
I 2	CLEARWATER	115 43.9	IS	90	7603	35345	51.448	
NW	LIT N FK CLEA	178	420.0	499.5	7603	35345		UNNNNNNUN
	BUZZARD ROUST							
ID6NPW0103	KELLY FORK	46 43.2	H	400.0	0	0	6692.8	NUYNYUN
I 6	CLEARWATER	115 16.5	IS	64000	158188	209460	31.952	
NW	N FK CLEARWAT	360	1450.0	374.6	158188	209460		UNNNNNNYY
ID7NPW0112	KELLYS THUMB	46 43.0	H	210.0	0	0	5184.2	NUYNYUN
I 5	CLEARWATER	115 5.0	IS	190000	13847	61483	84.319	
NW	KELLY CREEK	318	790.0	499.5	13847	61483		UNNNNNNYN
	GORMAN HILL							
ID6NPW0101	KOOSKIA	46 20.1	H	194.0	0	0	19764	NNYYYUN
I 6	CLEARWATER	116 7.9	IS	567000	557643	853074	23.168	
NW	CLEARWATER RI	4944	9890.0	163.8	557643	853074		UYYYNNNUN

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ID7NPW0114	LOLO PASS	46 34.9	H	510.0	0	0	20315	NNYNYUN
I 5	CLEARWATER	114 35.9	IS	400000	4071	21208	957.90	
NW	CROOKED FORK	80	200.0	999.0	4071	21208		UNNNNNNUN
	ROUND TOP							
ID4NPW0104	OROFINO	40 28.2	H	106.0	0	0	1701.8	NNYYYUN
I 5	CLEARWATER	116 15.0	IS	30000	58	46	36549	
NW	CLEARWATER RI	5375	9700.0	82.6	58	46		UYYYNNNUN
ID5NPW0111	OROGRANDE	46 37.3	H	10.0	0	0	674.46	NNNNYUN
I 2	CLEARWATER	115 30.0	IS	90	3520	17947	37.579	
NW	OROGRANDE CRE	63	150.0	689.3	3520	17947		UNNNNNNUN
	LARCH BUTTE							
ID6NPW0102	ROCK CREEK	46 47.3	H	480.0	0	0	13601	NUYNYUN
I 6	CLEARWATER	115 27.7	IS	380000	570119	796637	17. 73	
NW	N FK CLEARWAT	1126	2640.0	454.5	570119	796637		UNNNNNNYY
ID6NPW0107	SALMON CREEK	46 51.5	H	270.0	0	0	13019	NNYNYUN
I 6	CLEARWATER	115 39.0	IS	113000	381685	531889	24.476	
NW	N FK CLEARWAT	1400	3300.0	244.7	381685	531889		UNNNNNNYY
ID6NPW0106	WEITAS	46 38.0	H	430.0	0	0	12661	NNYNYUN
I 2	CLEARWATER	115 26.4	IS	400000	465086	518602	24.413	
NW	N FK CLEARWAT	980	2350.0	404.5	465086	518602		UNNNNNNYY
ID6NPW0123	BACON	44 46.5	H	420.0	0	0	7869.9	YYYYYUN
I 6	CUSTER	114 52.7	IS	364000	147113	147682	53.289	
NW	M FK SALMON R	1110	1342.0	395.3	147113	147682		UNNNNNNUN
ID6NPW0117	BADGER CREEK	44 15.5	H	130.0	0	0	3898.1	NUYYYUN
I 5	CUSTER	114 19.3	IS	31500	25142	53492	72.872	
NW	SALMON RIVER	951	1300.0	110.8	25142	53492		UNNNNNNUN
	BALD MTN 1:24000.							
ID6NPW0133	BAYHORSE	44 24.0	H	335.0	0	0	15186	NUYYYUN
I 5	CUSTER	114 15.0	IS	550000	144518	213308	71.195	
NW	SALMON RIVER	1800	1480.0	319.6	144518	213308		UNYYNNNUN
	BAYHORSE 1:24000.							

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ID6NPW0124	BEAR VALLEY	44 27.0	H	310.0	0	0	4325.0	YYYYYUN
I 5	CUSTER M FK SALMON R	115 13.4	IS	400000	16247	22625	191.16	
NW		338	550.0	286.7	16247	22625		UNNNNNNUN
ID4NPW0135	BONANZA	44 19.5	H	240.0	0	0	2900.0	NUNNYUN
I 5	CUSTER YANKEE FK SAL	114 43.0	IS	116700	9373	15416	188.11	
NW		170	185.0	233.7	9373	15416		UNYUNNNUN
	SUNBEAM 1:24000.							
ID7NPW0132	CASTLE CREEK	43 54.0	H	240.0	0	0	4106.4	NUYNYUN
I 5	CUSTER E FK BIG LOST	114 3.0	IS	257200	718	2920	1406.0	
NW		190	150.0	399.6	718	2920		UNYYNNNUN
	HARRY CANYUN 1:24000.							
ID6NPW0126	CHALLIS	44 24.0	H	345.0	0	0	8193.1	NUYYYUN
S 6	CUSTER SALMON RIVER	114 15.3	IS	550000	161906	197003	41.588	
NW		1825	1460.0	312.6	161906	197003		UYYYNNNUN
ID6NPW0127	CHALLIS CREEK	44 34.1	H	155.0	0	0	1731.3	NNYYYUN
I 5	CUSTER CHALLIS CREEK	114 17.3	IS	10600	1207	2500	692.41	
NW		85	44.0	147.8	1207	2500		UYYYNNNUN
	TWIN PEAKS 1:62500.							
ID6NPW0119	CHALLIS REREGULATING	44 26.6	H	120.0	0	0	4198.0	NUYYYUN
S 6	CUSTER SALMON RIVER	114 13.4	IS	26000	18642	65260	64.326	
NW		1825	1460.0	83.9	18642	65260		UNYYNNNUN
ID6NPW0120	CLAYTON	44 15.9	H	380.0	0	0	8161.7	YYYYYUN
I 6	CUSTER SALMON RIVER	114 26.9	IS	600000	156952	235227	34.697	
NW		1145	1200.0	348.2	156952	235227		UNYYNNNUN
ID6NPW0122	DEADMAN	44 13.2	H	330.0	0	0	10358	NUYYYUN
I 5	CUSTER E FK SALMON R	114 16.9	IS	293100	16010	21947	471.97	
NW		405	560.0	311.6	16010	21947		UYYYNNNUN
	ZIEGLER BASIN 1:24000.							
ID6NPW0137	EIGHT MILE	44 23.0	H	420.0	0	0	4281.8	NUYYYUN
I 5	CUSTER YANKEE FK SAL	114 37.9	IS	317000	3222	5912	724.14	
NW		60	65.0	408.6	3222	5912		UNYUNNNUN
	CUSTER 1:24000.							

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DEP ACTV / CODE INV / OWNER / MAP REFERENCE	DR.AREA (D M.M)	AVE. Q (CFS)	PWR. HD. (FT)	TOT. CAP. (KW)	TOT.ENERGY (MWH)	(1000 $)	
POWER AREA	(D M.M) (SQ.MI)		(AC FT) (FT)	(KW) (KW)	(MWH) (MWH)	($/MWH)	SOCIAL IMPACT CODE
ID5NPW0131	FALCONBERRY	44 33.7	H	10.0	0	0	760.94	YYNNYUN
I 5	CUSTER LOON CREEK	114 50.7	IS	90	1944	4138	183.86	
NW		310	465.0	359.6	1944	4138		UNNNNNNUN
	FALCONBERRY PEAK 1:24000.							
ID5NPW0136	FIVE MILE	44 23.0	H	10.0	0	0	424.45	NUYYYUN
I 5	CUSTER YANKEE FK SAL	114 43.0	IS	90	555	2419	175.41	
NW		74	80.0	549.4	555	2419		UNNNNNNUN
	CUSTER 1:24000.							
ID5NPW0130	FRANKLIN	44 47.9	H	10.0	0	0	1214.9	YYNNYUN
I 5	CUSTER LOON CREEK	114 48.0	IS	90	3114	6122	198.43	
NW		320	480.0	524.4	3114	6122		UNNNNNNUN
	RAMEY HILL 1:24000.							
ID6NPW0116	FULLER RANCH	44 34.5	H	340.0	0	0	7015.6	YYYYYUN
I 6	CUSTER M FK SALMON R	115 18.9	IS	362000	122835	171655	40.870	
NW		450	675.0	316.6	122835	171655		UNNNNNNUN
ID6NPW0115	GARDEN CREEK	43 59.0	H	310.0	0	0	11076	NNYNYUN
I 5	CUSTER BIG LOST RIVE	114 3.9	IS	385350	23107	46334	239.5	
NW		430	280.0	296.7	23107	46334		UNYYNNNUN
	HARRY CANYON 1:24000.							
ID4NPW0129	HOLMAN CREEK	44 16.1	H	105.0	0	0	3553.6	NUYYYUN
I 5	CUSTER SALMON RIVER	114 19.2	IS	22570	19732	44974	79.13	
NW		1000	1200.0	89.9	19732	44974		UNNNNNNUN
	BALD MTN. 1:24000.							
ID5NPW0134	LITTLE WICKIUP	44 8.2	H	10.0	0	0	567.42	NUNNYUN
I 5	CUSTER E FK SALMON R	114 25.3	IS	90	474	1049	540.60	
NW		153	120.0	324.6	474	1049		UNYYNNNUN
	BOWERY CREEK 1:24000.							
IDCNPW0139	MACKAY	43 57.2	IS	100.0	0	0	161.79	NNNNNNN
I 2	CUSTER BIG LOST RIVE	113 40.3	OP	38600	1708	8368	19.335	
NW	BIG LOST RIV IRR DIST	788	304.0	71.9	1708	8368		NNNNNNNUN
	MACKAY 1:62500.							
ID6NPW0125	PUNGO	44 45.5	H	405.0	0	0	10052	YYYYYUN
I 6	CUSTER M FK SALMON R	115 3.0	IS	337000	313974	369024	27.241	
NW		900	1170.0	378.3	313974	369024		UNNNNNNUN

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ID6NPW0121	ROBINSON BAR	44 15.9	H	363.0	0	0	6000.7	NYYYYUN
I 5	CUSTER SALMON RIVER	114 46.9	IS	300000	78241	84549	70.973	
NW		852	1050.0	330.0	78241	84549		UYYYNNNUN
ID6NPW0128	STANLEY	44 15.0	H	367.0	0	0	11958	NUYYYUN
I 5	CUSTER SALMON RIVER	114 52.9	IS	1560000	64213	87203	137.13	
NW		535	720.0	333.8	64213	87203		UNNNNNNUN
ID4NPW0160	ALEXANDER FLATS	43 46.3	H	110.0	0	0	2828.7	NUYNYUN
I 5	ELMORE M FK BOISE R	115 32.3	IS	15000	22881	34825	81.226	
NW		356	350.0	106.6	22881	34825		UNYUNNNUN
	BARBER FLATS							
IDINPW0166	ANDERSON RANCH	43 21.5	IHCR	456.0	27000	149000	1780.4	NUYNYUN
I 2	ELMORE S FK BOISE R	115 26.7	OP	509000	43000	27100	65.700	
NW	DOI USBR	980	922.0	327.0	70000	176100		UNNNNNNUN
IDCNPW0167	ARROWROCK	43 35.7	IC	305.0	0	0	1832.3	NNNNNNN
I 2	ELMORE BOISE RIVER	115 55.2	OP	301000	50000	175200	10.458	
NW	DOI USBR	2210	1358.0	248.7	50000	175200		NNNNNNNYN
IDYNPW0147	ATLANTA	43 48.5	H	0	180	100	181.85	NNNNNNN
I 2	ELMORE M FK BOISE R	115 6.0	OP	0	2066	4423	41.116	
NW	ATLANTA POWER CO	40	300.0	94.9	2246	4523		NNNNNNNUN
ID5NPW0148	BALD MOUNTAIN	43 48.3	H	10.0	0	0	582.69	NUNNYUN
I 5	ELMORE M FK BOISE R	115 15.4	IS	90	1325	0	0	
NW		180	300.0	399.6	1325	0		UNYUNNNUN
	PHIFER CREEK							
ID7NPW0143	BARBER FLATS	43 45.9	H	230.0	0	0	4084.3	NUYNYUN
I 5	ELMORE N FK BOISE R	115 37.0	IS	76000	3599	16426	248.64	
NW		310	508.0	449.5	3599	16426		UNYUNNNUN
ID6NPW0156	BASCUM FLATS	43 36.7	H	220.0	0	0	3686.0	NUYNYUN
I 5	ELMORE S FK BOISE R	115 9.3	IS	90000	23240	40013	92.120	
NW		447	580.0	194.8	23240	40013		UNYUNNNUN

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ID5NPW0151	BIG OWL		43 53.0	H	10.0	0	0	929.9	NUNNYUN
I 5	ELMORE	N FK BOISE R	115 30.0	IS	90	1403	5291	175.59	
NW			111	150.0	414.5	1403	5291		UNYUNNNUN
	BEAR RIVER								
ID6NPW0154	CASEY RANCH		43 31.3	H	300.0	0	0	8970.0	NUYNYUN
I 5	ELMORE	S FK BOISE R	115 18.1	IS	270000	79269	106574	84.167	
NW			627	815.0	274.7	79269	106574		UNYUNNNUN
ID6NPW0146	CASEY TO ANDERSON		43 29.0	H	124.0	0	0	3360.2	NUYNYUN
I 5	ELMORE	S FK BOISE R	115 18.0	IS	15600	23805	41212	81.534	
NW			627	815.0	98.8	23805	41212		UNNNNNNUN
ID6NPW0155	FEATHERVILLE		43 36.5	H	170.0	0	0	4394.8	NUYNYUN
I 5	ELMORE	S FK BOISE R	115 12.9	IS	34000	38687	53748	81.767	
NW			465	605.0	144.8	38687	53748		UNYUNNNUN
ID4NPW0140	INDIAN COVE		42 57.0	H	55.0	0	0	5388.3	NNYNYUN
I 2	ELMORE	SNAKE RIVER	115 36.7	IS	57000	20103	150955	35.695	
NW			37065	9780.0	24.9	20103	150955		UNNUNNNUN
ID6NPW0153	INDIAN POINT		43 21.1	H	118.0	0	0	3397.7	NNYNYUN
I 5	ELMORE	S FK BOISE R	115 32.2	IS	20000	24634	50294	67.556	
NW			1001	1020.0	92.9	24634	50294		UNNNNNNUN
ID7NPW0149	KING		43 45.9	H	220.0	0	0	3168.9	NUYNYUN
I 5	ELMORE	M FK BOISE R	115 30.0	IS	56100	2995	12984	244.6	
NW			225	370.0	589.4	2995	12984		UNYYNNNUN
	GRAND MTN 1:24000								
ID5NPW0157	LIME CREEK		43 25.2	H	10.0	0	0	513.89	NNNNYUN
I 5	ELMORE	LIME CREEK	115 16.0	IS	90	1008	4700	109.33	
NW			120	85.0	799.2	1008	4700		NNNNNNNUN
	HAILY AMS								
ID6NPW0144	LONG GULCH		43 32.7	H	278.0	0	0	5537.0	NNYNYUN
I 6	ELMORE	S FK BOISE R	115 43.0	IS	30000	120323	169354	32.694	
NW			1174	1200.0	252.7	120323	169354		UNYUNYNUY

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ID5NPW0159		LOST CREEK	43 50.9 / 115 31.9 / 186	H / IS / 305.0	10.0 / 90 / 134.8	0 / 647 / 647	0 / 2959 / 2959	726.74 / 245.57	NUNNYUN / UNYYNNNUN
I	5	ELMORE N FK BOISE R							
NW		BARBER FLATS 1:24000.							
ID4NPW0152		PASTURE	42 57.4 / 115 10.2 / 35800	H / IS / 9205.0	94.0 / 14000 / 63.9	0 / 94893 / 94893	0 / 435230 / 435230	10212 / 23.464	NUYNYUN / UNNUNNNUN
I	2	ELMORE SNAKE RIVER							
NW									
ID6NPW0145		RASPBERRY	43 28.6 / 115 39.5 / 1090	H / IS / 1110.0	315.0 / 160000 / 291.2	0 / 154247 / 154247	0 / 211193 / 211193	7044.8 / 33.357	NNYNYUN / UNYUNYNUY
I	6	ELMORE S FK BOISE R							
NW									
ID5NPW0158		SAWMILL	43 25.4 / 115 22.9 / 40	H / IS / 52.0	10.0 / 90 / 799.2	0 / 594 / 594	0 / 2752 / 2752	366.86 / 133.27	NNNNYUN / UNNNNNNUN
I	5	ELMORE FALL CREEK							
NW		HAILEY 1:250000.							
ID5NPW0141		SLIDE GULCH	43 39.8 / 115 43.3 / 830	H / IS / 1358.0	10.0 / 90 / 179.8	0 / 3921 / 3921	0 / 18476 / 18476	1388.6 / 75.157	NUNNYUN / UNYUNNNUN
I	5	ELMORE M FK BOISE R							
NW		TWIN SPRINGS 1:24000							
ID5NPW0150		TRAIL CREEK	43 53.0 / 115 24.9 / 84	H / IS / 140.0	10.0 / 90 / 599.4	0 / 1918 / 1918	0 / 9230 / 9230	783.38 / 84.869	NUNNYUN / UNNNNNNUN
E	5	ELMORE N FK BOISE R							
NW		BEAR RIVER 1:24000							
ID6NPW0142		TWIN SPRINGS	43 41.2 / 115 40.2 / 830	H / SI / 1340.0	474.0 / 600000 / 454.5	0 / 175338 / 175338	0 / 254109 / 254109	10151 / 39.949	NUYNYUN / UNYUNNNUY
I	6	ELMORE M FK BOISE R							
NW									
ID7NPW0161		YUBA DAM AND RESERVOIR	43 48.3 / 115 11.9 / 53	H / IS / 105.0	200.0 / 90000 / 499.5	0 / 502 / 502	0 / 2016 / 2016	2904.8 / 1440.4	NUYNYUN / UNYUNNNUN
E	5	ELMORE M FK BOISE R							
NW		ATLANTA EAST AND WEST							
IDCSPK0727		FOSTER RESERVOIR	42 7.5 / 111 50.5 / 20	I / OP / -52.6	75.0 / 3355 / 73.9	0 / 92 / 92	0 / 729 / 729	53.985 / 74. 37	33UU3U3 / 3333UUUUU
	5	FRANKLIN CUB RIV AND W							
NW		PRESTON-WHITNEY IRR CO							
		RIVERDALE FRANKLIN QUADS							

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IDCSPK0728	GLENDALE RESERVOIR	42 7.6	ISR	77.0	0	0	52.625	33UU3U3
5	FRANKLIN WORM CREEK =	111 48.5	OP	6000	56	475	110.67	
NW	PRESTON=WHITNEY IRRIG CO	19	=50.0	62.9	56	475		3333UUUUU
	RIVERDALE QUAD							
IDCSPK0724	LAMONT RESERVOIR	42 6.3	I	70.0	0	0	54.477	33UU3U3
5	FRANKLIN WORM CREEK =O	111 48.6	OP	2408	74	627	86.840	
NW	PRESTON=WHITNEY IRR CO	22	=57.9	65.9	74	627		3333UUUUU
	FRANKLIN QUAD							
ID6SPK0713	MAPLETON RESERVOIR	42 3.3	C	110.0	0	0	1623.0	UUUUUUU
I 5	FRANKLIN CUB RIVER	111 46.8	IS	16000	115	792	2047.0	
NW		82	=42.6	124.8	115	792		UUUUUU4UU
	FRANKLIN QUAD							
ID7SPK0711	MINK CREEK RESERVOIR	42 14.0	HC	170.0	0	0	1417.6	U2UUUUU
I 5	FRANKLIN MINK CREEK	111 43.9	IS	0	2205	9725	145.76	
NW		28	76.0	399.6	2205	9725		UUUUUUUUU
	ONEIDA NARROWS RESERVOIR QUA							
IDJSPK0723	ONEIDA NARROWS RESERVOIR	42 16.5	HI	0	0	0	0	
4	FRANKLIN BEAR RIVER	111 45.0	OP	0	0	0	0	
NW	UTAH POWER AND LIGHT CO	4139	0	145.0	0	**********		
ID6SPK0721	ONEIDA NARROWS CR MINK	42 12.0	HC	315.0	0	0	10283	UUUUUUU
D 5	FRANKLIN BEAR RIVER	111 46.9	IS	435000	37464	68396	150.35	
NW		4139	885.0	114.8	37464	68396		U2UUUU4UU
	RIVERDALE QUAD							
IDCSPK0729	STRONGARM RESERVOIR NO 1 TRE	42 14.0	IS	36.0	0	0	535.96	33UU3U3
2	FRANKLIN BATTLE CREEK	111 51.6	OP	1850	6093	15802	33.916	
NW	STRONGARM RES COMP	4434	=1068.7	23.9	6093	15802		3333UUUUU
	RIVERDALE QUAD							
IDCSPK0726	TWIN LAKES RESERVOIR=SOUTHWE	42 11.2	IR	34.0	0	0	753.86	33UU3U3
2	FRANKLIN MINK CREEK WA	111 58.4	OP	14000	11559	22203	33.952	
NW	TWIN LAKES CANAL COMPANY	4451	=1072.8	32.9	11559	22203		3333UUUUU
	BANIDA QUAD							
IDCSPK0725	WINDER RESERVOIR	42 11.0	I	61.0	0	0	895.19	33UU3U3
2	FRANKLIN MINK CREEK =O	111 53.2	OP	1667	20981	40358	22.180	
NW	TWIN LAKES CANAL COMPANY	4443	=1070.8	59.9	20981	40358		3333UUUUU
	BANIDA QUAD							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ID5NPW0176	ANDERSON	44 3.9	H	10.0	0	0	2278.8	NUNNYUN
I 2	FREMONT FALLS RIVER	111 20.0	IS	90	9000	57194	39.843	
NW		348	745.0	259.7	9000	57194		UNYUNNNUN
	WARM RIVER 1:24000.							
IDGNPW0181	ASHTON	44 4.7	H	70.0	5400	32369	412.67	NNNNNNN
D 5	FREMONT HENRYS FORK S	111 29.7	UP	7457	8850	2419	170.55	
NW	UT POWER AND LIGHT CO	1030	-1469.6	50.9	14250	34788		NNNNNNNYN
ID4NPW0175	ASHTON REPLACEMENT	44 5.9	H	105.0	0	0	3373.2	NUYNYUN
E 5	FREMONT HENRYS FORK S	111 30.0	IS	48700	8635	47345	71.247	
NW		1040	-1473.0	79.0	8635	47345		UNNYNNNUN
ID5NPW0326	BOONE CREEK	44 5.9	H	10.0	0	0	575. 5	NNNNYUN
I 5	FREMONT BOONE CREEK	111 5.9	IS	90	1332	5925	97. 48	
NW		40	85.0	559.4	1332	5925		UUUUNNNUN
	WARM R BUTTE 1:62500.							
IDCNPW0182	ISLAND PARK	44 25.2	ICR	91.0	0	0	595.21	NNNNNYN
I 2	FREMONT HENRYS FORK S	111 23.7	UP	150000	8187	15886	37.467	
NW	DOI USBR	481	550.0	73.9	8187	15886		NNNNNNNYN
	ISLAND PARK DAM							
ID5NPW0171	LOOKOUT BUTTE	44 12.0	H	10.0	0	0	2918.3	NYNNYUN
I 2	FREMONT HENRYS FORK O	111 22.9	IS	90	16398	110342	26.448	
NW		580	870.0	299.7	16398	110342		UNNUNYNUN
	LOOKOUT BUTTE ID							
ID5NPW0172	MESA FALLS	44 11.0	H	10.0	0	0	2439.8	NUNNYYN
I 2	FREMONT HENRYS FORK S	111 19.3	IS	90	23088	146820	16.617	
NW		630	950.0	319.6	23088	146820		UNNNNYNUN
ID5NPW0179	PARTRIDGE CREEK	44 13.2	H	10.0	0	0	752.11	NUNNYUN
I 5	FREMONT WARM RIVER	111 15.0	IS	90	1771	5133	146.50	
NW		120	150.0	269.7	1771	5133		UNNNNNNUN
	SNAKE RIVER BUTTE 1:24000.							
IDGNPW0168	PONDS LODGE	44 25.0	H	33.0	200	10	0	NNNNNNN
I 5	FREMONT BUFFALO RIVER	111 22.9	UP	50	0	0	0	
NW	ISLAND PARK RESORTS	35	-20.7	20.0	200	10		NNNNNNNYN

SITE ID / DEP / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	NAME OF STREAM	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ID5NPW0177	ROBINSON		44 7.3	H	10.0	0	0	538.52	NUNNYUN
I 5	FREMONT	ROBINSON CREE	111 14.2	IS	90	1166	4075	132.14	
NW			82	80.0	319.6	1166	4075		UNNNNNNUN
	WARM RIVER BUTTE 1:62500.								
ID5NPW0169	SHEEP FALLS		44 4.3	H	10.0	0	0	1100.5	NUNNYYN
I 2	FREMONT	FALLS RIVER	111 7.0	IS	90	6267	41747	26.363	
NW			270	430.0	399.6	6267	41747		UNNNNYNUN
	WARM SPRINGS BUTTE								
ID6NPW0173	SQUIRREL		44 3.5	HC	160.0	0	0	4817.3	NUYNYUN
I 5	FREMONT	FALLS RIVER	111 11.7	IS	39000	37631	72600	66.353	
NW			348	745.0	136.8	37631	72600		UNNNNNNUN
IDHNPW0607	ST ANTHONY		44 0.9	I H	3.0	625	0	0	NNNNNNN
I 5	FREMONT	HENRY FORK	111 34.9	OP	10	0	0	0	
NW	UTAH POWER		1770	2520.0	17.0	625	0		NNNNNNNYN
	ST ANTHONY								
ID0NPW2612	TETON 2		43 54.4	HIC	305.0	0	0	6871.7	NYYNYUN
I 5	FREMONT	TETON RIVER	111 32.3	IS	326000	58824	93200	73.730	
NW			853	710.0	293.7	58824	93200		UNNNUUUUN
ID5NPW0178	WARM RIVER BUTTE		44 9.2	H	10.0	0	0	987.21	NUNNYUN
I 5	FREMONT	WARM RIVER	111 16.2	IS	90	1843	5829	169.35	
NW			140	170.0	229.7	1843	5829		UNNNNNNUN
	SNAKE RIVER BUTTE 1:24000.								
ID6NPW0174	WARM RIVER		44 6.5	H	265.0	0	0	7362.3	NUYNYUN
I 5	FREMONT	HENRYS FORK S	111 20.1	IS	153000	51716	86920	84.702	
NW			963	1440.0	220.6	51716	86920		UNYUNNNUN
IDGNPW0186	BLACK CANYON DIVERSION		43 55.8	IHR	183.0	8000	68156	1165.1	NNNNNNN
I 2	GEM	PAYETTE RIVER	116 26.0	OP	44650	16803	29178	39.932	
NW	DOI USBR		2680	2990.0	96.6	24803	97335		NNNNNNNYN
ID4NPW0183	MONTOUR VALLEY		43 56.4	H	73.0	0	0	5528.9	NNYNYUN
I 2	GEM	PAYETTE RIVER	116 22.0	IS	32000	56020	103067	53.644	
NW			2352	3387.0	48.2	56020	103067		UNYYNNNYN

SITE ID / PROJECT NAME / LATITUDE / PROJ.PURP. / DAM HT / EXIST.CAP. / EXIST.ENRG / ANUL. COST / ENVIRONMENTAL
PRIMARY CO. -NAME OF STREAM / LONGITUDE / STATUS / TOT. STOR / INC. CAP. / INC.ENERGY / ENERGY COST / IMPACT CODE
DEP ACTV / OWNER / DR.AREA / AVE. Q / PWR. HD. / TOT. CAP. / TOT.ENERGY / /
CODE INV / MAP REFERENCE / (D M.M) / / (FT) / (KW) / (MWH) / (1000 $) /
/ / (D M.M) / / (AC FT) / (KW) / (MWH) / ($/MWH) / SOCIAL
POWER AREA / / (SQ.MI) / (CFS) / (FT) / (KW) / (MWH) / / IMPACT CODE
IDGNPW0194 / BLISS / 42 54.8 / H / 120.0 / 75040 / 399104 / 506.19 / NNNNNNN
I 5 / GOODING / SNAKE RIVER / 115 4.2 / OP / 1200 / 13176 / 7346 / 68.898 /
NW / ID POWER CO / 35500 / 9160.0 / 59.9 / 88216 / 406451 / / NNNNNNNUN
IDHNPW0193 / CLEAR LAKE / 42 42.0 / H / 10.0 / 2500 / 18000 / 0 / NNNNNNN
I 5 / GOODING / SNAKE OFFSTRE / 114 48.0 / OP / 20 / 0 / 0 / 0 /
NW / IDAHO POWER / 2300 / 474.0 / 79.0 / 2500 / 18000 / / NNNNNNNUN
ID6NPW0190 / CLEAR LAKES / 42 40.4 / H / 325.0 / 0 / 0 / 19286 / NNYNYUN
I 2 / GOODING / SNAKE RIVER / 114 45.3 / IS / 1070000 / 551488 / 1787925 / 10.787 /
NW / / 32000 / 4450.0 / 289.7 / 551488 / 1787925 / / UNYYUYUUN
ID4NPW0002 / CLEAR SPRINGS / 42 40.2 / H / 56.0 / 0 / 0 / 6214.6 / NNYNYUN
I 2 / GOODING / SNAKE RIVER / 114 45.0 / IS / 9000 / 69182 / 162707 / 38.194 /
NW / / 30000 / 4201.0 / 49.9 / 69182 / 162707 / / UNYUNNNYN
ID4NPW0189 / HIGH BLISS / 42 54.8 / / 104.0 / 0 / 0 / 11189 / NNYNYUN
E 2 / GOODING / SNAKE RIVER / 114 59.1 / IS / 500000 / 107343 / 478104 / 23.404 /
NW / / 33927 / 9160.0 / 73.9 / 107343 / 478104 / / UNUUNYNUN
ID4NPW0610 / KANAKA RAPIDS / 42 40.2 / H / 48.0 / 0 / 0 / 3162.8 / NNYNYUN
D 2 / GOODING / SNAKE RIVER / 114 50.2 / IS / 1780 / 21000 / 102137 / 30.966 /
NW / / 30000 / 5140.0 / 36.9 / 21000 / 102137 / / UNNNUYUYN
IDHNPW0188 / LOWER MALAD / 42 51.9 / H / 161.0 / 13500 / 102000 / 0 / NNNNNNN
I 5 / GOODING / MALAD RIVER / 114 53.2 / OP / 115 / 0 / 0 / 0 /
NW / IDAHO POWER CO / 3000 / 230.0 / 150.8 / 13500 / 102000 / / NNNNNNNNN
/ HAGGERMAN 1:24000 / / / / / / /
IDHNPW0086 / THOUSAND SPRINGS / 42 44.8 / H / 10.0 / 7800 / 58900 / 0 / NNNNNNN
I 5 / GOODING / SNAKE OFFSTRE / 114 50.8 / OP / 20 / 0 / 0 / 0 /
NW / IDAHO POWER CO. / 2140 / 560.0 / 182.0 / 7800 / 58900 / / NNNNNNNUN
ID6NPW0191 / THOUSAND SPRING / 42 44.8 / H / 205.0 / 0 / 0 / 14975 / NNYNYUN
E 2 / GOODING / SNAKE RIVER / 114 50.8 / OP / 750000 / 240536 / 407965 / 36.707 /
NW / / 32000 / -8364.8 / 194.8 / 240536 / 407965 / / UNNUNYNUN

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ID5NPW0192	TUTTLE	42 51.9	H	10.0	0	0	586.8	NNNNYUN
I 5	GOODING MALAD RIVER	114 52.0	IS	90	612	3666	159.86	
NW		3000	230.0	83.9	612	3666		UNNNNNNUN
	TUTTLE 1:24000.							
IDHNPW0187	UPPER MALAD	42 54.2	H	20.0	7200	58730	0	NNNNNNN
I 5	GOODING MALAD RIVER	114 48.2	OP	20	0	0	0	
NW	IDAHO POWER	3000	230.0	17.9	7200	58730		NNNNNNNNN
ID4NPW0609	WILEY	42 55.0	H	125.0	0	0	7294.7	NNYNYUN
D 2	GOODING SNAKE	114 57.7	IS	24000	106541	250579	29.111	
NW		35500	5140.0	76.9	106541	250579		UNNNUYUYN
ID4NPW0195	ALTERNATE CREVICE	45 24.2	H	105.0	0	0	16422	YYYYYUN
E 6	IDAHO SALMON RIVER	116 7.1	IS	12430	224542	575441	28.539	
NW		12460	9400.0	94.9	224542	575441		UNNNNNNUN
ID6NPW0202	ALTERNATE BLACK CANYON	45 30.0	H	260.0	0	0	21834	YYYYYUN
E 6	IDAHO SALMON RIVER	115 0.0	IS	297960	889709	1308888	16.681	
NW		9790	7000.0	246.7	889709	1308888		UNNNNNNUN
	ELK CITY AMS							
ID5NPW0235	BAILEY MOUNTAIN	46 12.0	H	10.0	0	0	1464.9	YYNNYUN
I 6	IDAHO N FK MOOSE CK	114 52.0	IS	90	13555	40378	36.280	
NW		58	410.0	1548.4	13555	40378		UNNNNNNUN
	MCCONNELL MTN.							
ID5NPW0238	BEAR CREEK	46 1.9	H	10.0	0	0	1106.4	YYNNYUN
I 6	IDAHO BEAR CREEK	114 46.0	IS	90	5494	25727	43. 7	
NW		140	280.0	999.0	5494	25727		UNNNNNNUN
	TWIN BUTTE							
ID6NPW0201	BLACK CANYON	45 30.0	H	372.0	0	0	14679	YYYYYUN
I 6	IDAHO SALMON RIVER	115 0.0	IS	315000	589850	1004753	14.610	
NW		9790	7000.0	332.6	589850	1004753		UNNNNNNUN
ID6NPW0218	BRIGHT ANGEL	46 16.9	H	250.0	0	0	9100.6	YYYYYUN
I 6	IDAHO LOCHSA RIVER	115 23.5	IS	98000	254935	298214	30.517	
NW		967	2310.0	224.7	254935	298214		UUUUNNNUN

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ID5NPW0240	CAPTAIN JOHN	45 23.4	H	10.0	0	0	1789.5	NNNYYUN
I 2	IDAHO LITTLE SALMON	116 19.3	IS	90	7155	39544	45.254	
NW		554	800.0	294.7	7155	39544		UNYYNNNUN
	RIGGINS 1:24000.							
ID6NPW0204	CAREY CREEK	44 27.2	H	425.0	0	0	36941	YYYYYUN
E 6	IDAHO SALMON RIVER	115 57.5	IS	150000	1701714	2017320	18.312	
NW		12170	9400.0	385.2	1701714	2017320		UNNNNNNUN
	BURGDORF 1:62500.							
ID6NPW0198	CREVICE	45 24.2	H	780.0	0	0	62499	YYYYYUN
D 6	IDAHO SALMON RIVER	116 7.1	IS	3980000	3445917	3615795	17.285	
NW		12460	9400.0	724.2	3445917	3615795		UNNNNNNUN
ID6NPW0246	DILLINGER	45 31.9	H	455.0	0	0	34493	YYYYYUN
E 6	IDAHO SALMON RIVER	115 6.3	IS	700000	1609265	1820650	18.945	
NW		10100	7700.0	432.5	1609265	1820650		UNNNNNNUN
	ELK CITY 1:250000.							
ID5NPW0236	DOUBLE CREEK	46 12.0	H	10.0	0	0	899.71	YYNNYUN
I 6	IDAHO E FK MOOSE CK	114 52.0	IS	90	3712	18714	48. 75	
NW		103	210.0	849.1	3712	18714		UNNNNNNUN
	WAHOO PEAK							
ID5NPW0219	ELDORADO	46 21.9	H	10.0	0	0	1981.6	NUNYNUN
I 2	IDAHO LOLO CREEK	116 8.2	IS	90	9563	50756	39. 42	
NW		144	290.0	1898.1	9563	50756		UYYUNNNUN
	BROWN CREEK RIDGE							
ID7NPW0224	ELK CITY	45 47.9	H	150.0	0	0	2253.5	NUYYYUN
I 5	IDAHO S FK CLEARWAT	115 41.0	IS	31000	3917	19554	115.24	
NW		341	340.0	579.4	3917	19554		UYYYNNNUN
	CENTER STAR MTN.							
ID5NPW0226	FIVE ISLANDS	46 20.9	H	10.0	0	0	4205.4	YYNNYUN
I 6	IDAHO LOCHSA RIVER	115 18.0	IS	90	29298	146466	28.712	
NW		735	1770.0	599.4	29298	146466		UNNNNNNUN
	GRINDSTONE BUTTE							
ID6NPW0197	FREEDOM	45 36.7	H	300.0	0	0	32719	YYYYYUN
I 6	IDAHO SALMON RIVER	116 16.6	IS	285000	1349171	1874583	17.454	
NW		13320	10700.0	270.6	1349171	1874583		UNNNNNNUN

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ID5NPW0228	FREEZEOUT MOUNTAIN	46 27.2	H	10.0	0	0	656.78	NUNYYUN
I 2	IDAHO LAKE CREEK	115 0.3	IS	90	2786	15060	43.610	
NW		43	120.0	1098.9	2786	15060		UUYUNNNUN
	BEAR MTN.							
ID6NPW0203	GROWLER RAPIDS	45 29.2	H	290.0	0	0	29728	YYYYYUN
D 6	IDAHO SALMON RIVER	115 20.0	IS	279100	1236858	1422384	20.900	
NW		12400	9400.0	261.0	1236858	1422384		UNNNNNNUN
	ELK CITY AMS							
ID4NPW0245	HAY FLAT	45 32.3	H	110.0	0	0	14687	YYYYYUN
E 6	IDAHO SALMON RIVER	115 14.2	IS	63000	188375	493501	29.761	
NW		10260	7800.0	99.8	188375	493501		UNNNNNNUN
	ELK CITY 1:250000.							
ID5NPW0243	HAZARD	45 10.4	H	10.0	0	0	1007.2	NUNNYUN
I 5	IDAHO LITTLE SALMON	116 18.0	IS	90	2336	11165	90.213	
NW		208	310.0	499.5	2336	11165		UYYYNNNUN
	INDIAN MTN 1:24000.							
ID5NPW0232	HIDDEN LAKE	46 28.0	H	10.0	0	0	1253.8	YYNNYUN
I 5	IDAHO WHITE SAND CR	114 33.0	IS	20	19	145	8626.6	
NW		132	330.0	8.9	19	145		UNNNNNNUN
	SAVAGE RIDGE							
ID5NPW0215	JERRY JOHNSON	46 30.0	H	10.0	0	0	1756.6	YYNNYUN
I 6	IDAHO LOCHSA RIVER	115 0.0	IS	90	6240	32215	54.528	
NW		600	1450.0	199.8	6240	32215		UUUUNNNUN
	BEAR MTN.							
ID5NPW0220	JOHNS CREEK	45 57.2	H	10.0	0	0	2263.4	NUNYYUN
I 2	IDAHO S FK CLEARWAT	115 57.2	IS	90	14016	78069	28.993	
NW		728	720.0	784.2	14016	78069		UYYYNNNUN
	HUNGRY RIDGE							
ID5NPW0242	LOCKWOOD	45 16.3	H	10.0	0	0	1774.4	NUNYYUN
I 2	IDAHO LITTLE SALMON	116 20.2	IS	90	9008	43093	41.177	
NW		300	447.0	599.4	9008	43093		UYYYNNNUN
	POLLOCK 1:24000.							
ID5NPW0233	LOWER MEADOW CREEK	46 1.9	H	10.0	0	0	1578.8	NNNYYUN
I 2	IDAHO MEADOW CREEK	115 16.9	IS	90	7745	39152	40.326	
NW		177	360.0	1043.9	7745	39152		UNNNNNNUN
	VERMILLION PEAK							

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ID5NPW0239	MAGRUDER	45 44.2	H	10.0	0	0	1486.1	YYNNYUN
I 6	IDAHO SELWAY RIVER	114 43.0	IS	90	5315	25010	59.420	
NW		145	300.0	949.0	5315	25010		UNNNNNNUN
	BEAVER JACK MTN.							
ID5NPW0221	MARBLE POINT	44 49.3	H	10.0	0	0	591.59	NUNYYUN
I 2	IDAHO JOHNS CREEK	115 52.9	IS	90	2186	9486	62.361	
NW		85	85.0	999.0	2186	9486		UNNNNNNUN
	HUNGRY RIDGE							
ID5NPW0210	MEADOW CREEK	45 49.3	H	10.0	0	0	576.75	NNNYYUN
I 2	IDAHO S FK CLEARWAT	115 55.5	IS	90	2323	10806	53.372	
NW		58	-45.8	899.1	2323	10806		UUYUNNNUN
	HUNGRY RIDGE							
ID6NPW0205	MOUSE CREEK	46 7.5	H	588.0	0	0	16433	YYYNYUN
I 6	IDAHO SELWAY RIVER	114 58.4	IS	830000	724324	850888	19.313	
NW		1345	1150.0	562.4	724324	850888		UNNNNNNUN
ID5NPW0208	NEWSUME CREEK	45 48.1	H	10.0	0	0	3569.3	NNNYYUN
I 2	IDAHO S FK CLEARWAT	115 40.2	IS	90	75795	163255	21.863	
NW		420	-338.5	1038.9	75795	163255		UYYYNNNUN
	GOLDEN							
ID5NPW0247	OLD TIMER	45 26.0	H	10.0	0	0	413.30	YYNNYUN
I 6	IDAHO SHEEP CREEK	116 30.0	IS	90	1612	7896	52.339	
NW		20	30.0	2287.7	1612	7896		UNNNNNNUN
	HE DEVIL 1:62500.							
ID4NPW0216	PENNY CLIFFS	46 9.0	HC	596.0	0	0	43853	YYYYYUN
I 6	IDAHO M FK CLEARWAT	115 55.2	IO	3430000	1492645	2008745	21.831	
NW		3310	338.0	583.8	1492645	2008745		UUUUNNNUN
ID6NPW0237	PETTIBONE	46 1.9	H	300.0	0	0	11404	YYYNYUN
I 6	IDAHO SELWAY RIVER	114 50.0	IS	225000	249447	288733	39.498	
NW		915	840.0	284.7	249447	288733		UNNNNNNUN
	DOG CREEK							
ID6NPW0207	PINCHOT	46 5.9	H	315.0	0	0	12491	YYYNYUN
I 6	IDAHO SELWAY RIVER	115 5.9	IS	180000	451926	598569	20.868	
NW		1330	2650.0	289.7	451926	598569		UNNNNNNUN

SITE ID / PROJECT NAME / LATITUDE / PROJ.PURP. / DAM HT / EXIST.CAP. / EXIST.ENRG / ANUL. COST / ENVIRONMENTAL
PRIMARY CO. =NAME OF STREAM / LONGITUDE / STATUS / TOT. STOR / INC. CAP. / INC.ENERGY / ENERGY COST / IMPACT CODE
DEP ACTV / OWNER / DR.AREA / AVE. Q / PWR. HD. / TOT. CAP. / TOT.ENERGY /	
CODE INV / MAP REFERENCE / (D M,M) /	(FT) / (KW) / (MWH) / (1000 $) /
	(D M,M) /	(AC FT) / (KW) / (MWH) / (S/MWH) / SOCIAL
POWER AREA	(SQ.MI) / (CFS) / (FT) / (KW) / (MWH)	IMPACT CODE
ID6NPW0196	PINNACLE FALLS	45 17.9	H	362.0	0	0	22865	YYYYYUN
I 6	IDAHO	SALMON RIVER	114 36.7	IS	43500	1113442	1637570	13.962	
NW		9170	6050.0	329.6	1113442	1637570		UNNNNNNUN
ID6NPW0200	PORPHYRY	45 16.9	H	340.0	0	0	8484.2	NUYYYUN
I 6	IDAHO	SOUTH FORK SA	115 28.0	IS	84000	289958	380893	22.274	
NW		1260	1700.0	332.6	289958	380893		UNNNNYNUY
ID5NPW0231	POWELL	46 30.5	H	10.0	0	0	2103.9	YYNNYUN
I 6	IDAHO	LOCHSA RIVER	114 39.0	IS	90	13876	74799	28.127	
NW		370	900.0	559.4	13876	74799		UNNNNNNUN
	ROCKY POINT							
ID4NPW0272	RATTLESNAKE	45 33.5	H	139.0	0	0	13082	YYYYYUN
E 6	IDAHO	SALMON RIVER	115 11.0	IS	44500	290027	482560	27.109	
NW		3400	7600.0	114.8	290027	482560		UNNNNNNUN
	ELK CITY AMS							
ID7NPW0225	RED HORSE	45 47.9	H	210.0	0	0	2807.5	NUYYYUN
I 5	IDAHO	RED RIVER	115 28.0	IS	110000	805	3943	711.89	
NW		135	140.0	299.7	805	3943		UNYYNNNUN
	CITY 1:24000.							
ID5NPW0244	RUGGED CREEK	45 24.0	H	10.0	0	0	918.30	NYNYYUN
I 2	IDAHO	WARREN CREEK	115 37.9	IS	90	6421	27245	33.704	
NW		85	110.0	2392.6	6421	27245		UNNNNNNUN
	WARREN 1:62500.							
ID5NPW0212	RUNNING CREEK	45 54.0	H	10.0	0	0	2650.9	YYNNYUN
I 5	IDAHO	SELWAY RIVER	114 48.0	IS	90	7669	39194	67.635	
NW		650	1220.0	301.6	7669	39194		UUUUNNNUN
	BURNT STRIPE MTN.							
ID5NPW0241	SHEEP CREEK	45 30.4	H	10.0	0	0	1807.7	NUNYYUN
I 2	IDAHO	LITTLE SALMON	116 20.9	IS	90	8558	37092	48.736	
NW		333	604.0	459.5	8558	37092		UUYUNNNUN
	POLLUCK 1:24000.							
ID5NPW0209	SILVER CREEK	46 24.0	H	10.0	0	0	1413.4	NNNYYUN
I 2	IDAHO	S FK CLEARWAT	115 47.0	IS	90	12535	52722	26.809	
NW		580	=241.7	429.5	12535	52722		UUYUNNNUN
	HUDDLESON BLUFF							

SITE ID / DEP CODE / POWER AREA	ACTV / INV	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG ANUL. COST / INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ID6NPW0206		SOUTH FORK	46 7.8	H	200.0	0	0	4248.5	NNYYYUN
I	6	IDAHO S FK CLEARWAT	115 58.4	IS	45000	59549	78231	54.307	
NW			788	780.0	174.8	59549	78231		UYYYNNNUN
		STITES							
ID5NPW0230		SQUAW CREEK	46 28.0	H	10.0	0	0	1459.6	YYNNYUN
I	6	IDAHO LOCHSA RIVER	114 41.9	IS	90	9486	51606	28.283	
NW			420	1020.0	339.6	9486	51606		UNYNNNNUN
		ROCKY POINT							
ID5NPW0223		TENMILE CREEK	46 7.8	H	10.0	0	0	1227.3	NUNYYUN
I	2	IDAHO S FK CLEARWAT	115 45.3	IS	90	4240	22052	55.658	
NW			496	490.0	419.5	4240	22052		UYYYNNNUN
		GOLDEN							
ID5NPW0222		TWENTYMILE CREEK	46 28.0	H	10.0	0	0	1587.6	NUNYYUN
I	2	IDAHO S FK CLEARWAT	115 52.9	IS	90	6430	33042	48. 47	
NW			532	530.0	599.4	6430	33042		UUYUNNNUN
		HUDDLESON BLUFF							
ID5NPW0234		UPPER MEADOW CREEK	45 49.3	H	10.0	0	0	1049.8	NNNNYUN
I	2	IDAHO MEADOW CREEK	115 15.0	IS	90	3408	17816	58.925	
NW			90	180.0	899.1	3408	17816		UNNNNNNUN
		RUNNING LAKE							
ID5NPW0199		WARREN	45 21.9	H	10.0	0	0	507.48	YYNNYUN
E	5	IDAHO WARREN CREEK	115 41.0	IS	90	1632	5612	90.414	
NW			70	90.0	999.0	1632	5612		UNNNNNNUN
		WARREN 1:62500.							
ID5NPW0227		WEIR CREEK	46 26.0	H	10.0	0	0	2140.7	YYNNYUN
I	6	IDAHO LOCHSA RIVER	115 5.0	IS	90	7226	37425	57.200	
NW			695	1740.0	199.8	7226	37425		UNYUNNNUN
		GREYSTONE BUTTE							
ID5NPW0214		WENDOVER	46 30.1	H	10.0	0	0	1953.4	YYNNYUN
I	6	IDAHO LOCHSA RIVER	114 47.3	IS	90	20931	89515	21.822	
NW			465	-324.1	717.2	20931	89515		UUUUNNNUN
		CAYUSE JUNCTION							
ID5NPW0211		WHITE CAP	45 51.9	H	10.0	0	0	2856.2	YYNNYUN
I	6	IDAHO SELWAY RIVER	114 48.0	IS	90	9504	42824	66.696	
NW			520	770.0	482.5	9504	42824		UUUUNNNUN
		BEAVER JACK MTN.							

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IDSNPW0229	WIND LAKES	46 28.0	H	10.0	0	0	865.4	YYNYYUN
I 2	IDAHO WARM SPRINGS	114 52.0	IS	90	5466	27237	31.759	
NW		50	130.0	1498.5	5466	27237		UNNNUUUUN
	TOM BEAL PEAK							
IDSNPW0213	WOLF CREEK	46 4.5	H	10.0	0	0	2711.9	YYNNYUN
I 6	IDAHO SELWAY RIVER	115 8.5	IS	90	16675	109472	24.772	
NW		1495	-699.4	285.7	16675	109472		UUUUNNNUN
	FOG MTN 1:24000.							
IDENPW0606	IDAHO DIVERSION	43 37.9	I	10.0	0	0	622.54	NNNNNNN
S 2	JEFFERSON SNAKE RIVER	112 4.0	OP	0	4030	30600	20.344	
NW	IDAHO AND SWEDEN IRR		5924.0	10.0	4030	30600		NNNNNNNYN
	0.							
ID4NPW0249	KIMBERLY	42 34.3	H	240.0	0	0	11363	NNYNYUN
I 6	JEROME SNAKE RIVER	114 20.0	IS	80000	328747	456395	24.898	
NW		19000	1730.0	208.1	328747	456395		UUUUNNNUY
IDCNPW0253	MILNER LAKE	42 31.3	I	80.0	0	0	1113.3	NNNNNNN
I 2	JEROME SNAKE RIVER	114 0.7	OP	14200	24153	66826	16.660	
NW	TWIN FALLS CANAL COMPANY	17180	1990.0	41.3	24153	66826		NNNNNNNYN
IDGNPW0251	SHOSHONE FALLS	42 35.7	H	30.0	12380	99660	0	NNNNNNN
I 5	JEROME SNAKE RIVER	114 24.0	OP	750	0	0	0	
NW	ID POWER CO	17300	2493.0	25.0	12380	99660		NNNNNNNYN
IDGNPW0252	TWIN FALLS	42 35.3	H	35.0	8440	56200	0	NNNNNNN
I 5	JEROME SNAKE RIVER	114 21.3	OP	1000	0	0	0	
NW	ID POWER CO	19000	-3576.3	18.2	8440	56200		NNNNNNNYN
IDANPW0250	WILSON LAKE	42 37.6	I	24.0	0	0	4.5790	NNNNNNN
I 5	JEROME SNAKE RIVER O	114 10.2	OP	2000	0	0	8725.1	
NW	NORTH SIDE CANAL CO	17180	1260.0	12.9	0	0		NNNNNNNYN
	HUNT 1:24000.							
IDINPS0013	POST FALLS	47 42.5	IH	59.0	13500	94800	256.53	UNUUUUU
I 2	KOOTENAI SPOKANE RIVER	116 57.1	OP	235000	3500	13640	18.807	
NW	WASHINGTON WATER POWER CO.	3840	-0645.1	56.0	17000	108440		UUUUUUUYY
	COEUR D ALENE, ID (15)							

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ID6NPS0025	SPRINGSTON	47 28.9	HC	168.0	0	0	15616	UUUUUUU
E 5	KOOTENAI COEUR D ALENE	116 43.1	IS	2825000	43760	243300	64.187	
NW		1468	-3069.6	125.0	43760	243300		UUUUUUUUU
	ST. MARIES,ID,(15MIN.)							
ID7NPW0255	GOLD HILL	46 40.0	H	220.0	0	0	3221.9	NNYYYUN
I 5	LATAH POTLATCH RIVE	116 32.3	IS	1800	1093	4308	747.77	
NW		199	200.0	299.7	1093	4308		UUUUNNNUN
ID6NPW0611	HARVARD	46 55.4	H	100.0	0	0	2939.2	NNYNYUN
I 5	LATAH PALOUSE RIVER	116 42.1	IS	110000	4061	8103	362.72	
NW		205	195.0	94.9	4061	8103		UUUUUUUUN
ID6NPW0254	KENDRICK	46 36.7	H	300.0	0	0	8783.6	NNYYYUN
I 5	LATAH POTLATCH RIVE	116 38.5	IS	137000	72388	69121	127. 7	
NW		424	427.0	274.7	72388	69121		UUYYNNNUN
ID6NPW0612	LAIRD	46 57.0	H	175.0	0	0	1664.9	NNYNYUN
I 5	LATAH PALOUSE RIVER	116 37.8	IS	50000	4298	8930	186.43	
NW		126	120.0	169.8	4298	8930		UUUUUUUUN
ID5NPW0256	POTLATCH	46 28.2	SCR	10.0	0	0	1266.1	
I 5	LATAH N FK POTLATCH	115 46.0	IS	90	2938	14566	86.920	
NW		425	427.0	419.5	2938	14566		
	KENDRICK 1:62500.							
ID6NPW0260	APAREJO	44 56.4	H	435.0	0	0	12599	YYYYYUN
I 6	LEMHI M FK SALMON R	114 43.4	IS	333000	375187	358426	35.151	
NW		1953	2050.0	408.6	375187	358426		UNNNNNNUN
ID4NPW0271	CAMP CREEK	44 58.2	H	69.0	0	0	2536.6	NUYYYUN
E 6	LEMHI SALMON RIVER	113 57.1	IS	3690	22686	55949	45.338	
NW		3450	1925.0	51.5	22686	55949		UYYYNNNUN
	PUDDIN MTN 1:24000.							
ID6NPW0284	CRONKS CANYON	44 43.0	H	445.0	0	0	11726	NUYYYUN
I 6	LEMHI SALMON RIVER	114 0.3	IS	4750000	200405	313692	37.383	
NW		3290	1835.0	414.5	200405	313692		UYYYNNNUN
	CHALLIS 1:62500.							

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ID5NPW0257	DEER CREEK	45 13.2	H	10.0	0	0	839.20	NUNNYUN
I 5	LEMHI PANTHER CREEK	114 18.5	IS	90	2092	5090	164.87	
NW		402	367.0	459.5	2092	5090		UUUUNNNUN
ID4NPW0269	DEER HORN	44 37.5	H	170.0	0	0	5098.1	YYYYYUN
I 6	LEMHI M FK SALMON R	115 14.3	IS	21650	62325	96729	52.705	
NW		470	700.0	158.9	62325	96729		UNNNNNNUN
	CHINOOK MTN 1:62500.							
ID5NPW0285	HAYNES STELLITE	45 10.0	H	10.0	0	0	502.62	NUNNYUN
I 5	LEMHI PANTHER CREEK	114 15.0	OP	90	530	0	0	
NW		325	320.0	233.7	530	0		UUUUNNNUN
	LEESBURG 1:62500.							
ID6NPW0265	INDIANOLA	45 22.6	H	230.0	0	0	7835.7	NUYYYUN
I 6	LEMHI SALMON RIVER	114 5.6	IS	304000	146301	239326	32.740	
NW		5510	-2719.4	193.1	146301	239326		UYYYNNNUN
ID5NPW0278	JUREANO	45 10.2	H	10.0	0	0	845.42	NUNNYUN
I 5	LEMHI PANTHER CREEK	114 19.2	IS	90	1611	3710	227.86	
NW		340	326.0	315.6	1611	3710		UUYYNNNUN
	BLACKBIRD MTN 1:62500.							
ID5NPW0281	KENNEY	45 1.3	H	10.0	0	0	1789.5	NUNYYUN
I 2	LEMHI LEMHI RIVER	113 39.3	IS	90	4708	31183	57.389	
NW		890	220.0	339.6	4708	31183		UUYYNYNUN
	GOLDSTONE MTN 1:62500.							
ID5NPW0279	LEACOCK	45 10.0	H	10.0	0	0	714.54	NUNNYUN
I 5	LEMHI NAPIAS AND PA	114 9.3	IS	90	4146	8341	85.660	
NW		258	85.0	979.0	4146	8341		UUYYNNNUN
	LEESBURG 1:62500							
ID5NPW0283	LEMHI	44 50.9	H	10.0	0	0	1595.1	NUNYYUN
I 2	LEMHI LEMHI RIVER	113 35.0	IS	90	4770	27268	58.496	
NW		600	200.0	384.6	4770	27268		UUYYNYNUN
	LEMHI 1:62500.							
ID6NPW0261	LONG TOM	45 17.9	H	250.0	0	0	15579	YYYYYUN
I 6	LEMHI SALMON RIVER	114 36.7	IS	128000	555954	701106	22.221	
NW		9100	6060.0	214.0	555954	701106		UNNNNNNUN

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ID7NPW0275	MEYERS COVE	44 52.3	H	210.0	0	0	2939.2	NUYYYUN
I 5	LEMHI CAMAS CREEK	114 34.3	IS	44000	4734	11053	265.91	
NW		222	333.0	499.5	4734	11053		UUYYNNNUN
	MEYERS COVE 1:24000.							
ID6NPW0266	PAHSIMEROI	44 42.8	H	310.0	0	0	9459.0	NUYYYUN
I 6	LEMHI SALMON RIVER	114 1.5	IS	1500000	130211	199420	47.432	
NW		3210	1800.0	278.3	130211	199420		UYYYNNNUN
ID6NPW0259	PORCUPINE	45 7.8	H	383.0	0	0	19196	YYYYYUN
I 6	LEMHI M FK SALMON R	114 43.4	IS	253000	803204	1058673	18.132	
NW		2650	2800.0	353.1	803204	1058673		UNNNNNNUN
ID6NPW0267	RISLEY	44 42.4	H	145.0	0	0	4887.4	YYYYYUN
E 6	LEMHI M FK SALMON R	115 1.1	IS	19900	52645	80272	60.885	
NW		785	1100.0	128.6	52645	80272		UNNNNNNUN
	PUNGO MTN 1:24000.							
ID5NPW0277	ROOD	45 16.1	H	10.0	0	0	961.95	NUNNYUN
I 5	LEMHI PANTHER CREEK	114 20.0	IS	90	1858	4285	224.46	
NW		418	383.0	299.7	1858	4285		UYYYNNNUN
	SHOUP							
ID6NPW0258	SALMON	45 0.3	H	480.0	0	0	23534	NUYYYUN
D 6	LEMHI SALMON RIVER	113 55.5	IS	120000	253697	384760	61.167	
NW		3642	1925.0	448.0	253697	384760		UYYYNNNUN
ID5NPW0280	SALMON VALLEY	45 11.0	H	10.0	0	0	2839.9	NUNNYUN
I 6	LEMHI SALMON RIVER	113 52.9	IS	90	17622	66160	42.924	
NW		5230	2300.0	229.7	17622	66160		UYYYNNNUN
	SALMON 1:24000.							
ID5NPW0264	SHEEPEATER C/O SHOUP	45 22.6	H	10.0	0	0	2921.2	NUNNYUN
D 5	LEMHI SALMON RIVER	114 16.5	IS	90	32825	42730	68.365	
NW		5600	2600.0	562.4	32825	42730		UYYYNNNUN
	SHOUP 1:62500.							
ID6NPW0262	SHEEPEATER NO 2	45 20.5	H	280.0	0	0	7661.6	NUYYYUN
E 6	LEMHI SALMON RIVER	114 20.0	IS	167000	161134	131267	58.366	
NW		5590	2600.0	247.1	161134	131267		UYYYNNNUN

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ID6NPW0263	SHOUP	45 22.6	H	583.0	0	0	17747	NUYYYUN
E 6	LEMHI SALMON RIVER	114 16.5	IS	2500000	480375	691910	25.649	
NW		5600	2600.0	545.8	480375	691910		UYYYNNNUN
ID5NPW0282	TENDOY	44 55.0	H	10.0	0	0	1550.8	NUNNYUN
I 5	LEMHI LEMHI RIVER	113 37.9	IS	90	2820	18976	81.726	
NW		980	210.0	214.7	2820	18976		UYYYNNNUN
	LEMHI 1:62500.							
ID5NPW0276	WALLACE	45 17.9	H	10.0	0	0	879.95	NUNNYUN
I 5	LEMHI PANTHER CREEK	114 22.9	IS	90	835	2440	360.51	
NW		510	422.0	142.8	835	2440		UUYYNNNUN
	SHOUP 1:62500.							
ID5NPW0274	YELLOW JACKET	44 53.2	H	10.0	0	0	1433.6	NUNYYUN
I 6	LEMHI CAMAS CREEK	114 39.9	IS	90	7991	48753	29.406	
NW		340	400.0	644.3	7991	48753		UUYYUNNUY
	APAREJO POINT 1:24000.							
ID4NPW0287	KAMIAH	46 13.2	H	55.0	0	0	6134.7	YYYYYUN
I 6	LEWIS CLEARWATER RI	116 1.1	IS	2070	40601	129302	47.444	
NW		4850	-8252.8	33.9	40601	129302		UYYYNNNUN
	KAMIAH							
IDENPW0601	B W BP 49	43 2.9	I	0	0	0	153.12	NNNNNNN
S 2	LINCOLN WOOD RIVER	114 20.9	OP	0	1700	6200	24.697	
NW	WOOD RIV CANAL CO.		151.0	128.0	1700	6200		NNNNNNNYN
	BELLEVUE 1:62500.							
IDENPW0600	B.W.BP 48	43 10.9	I	0	0	0	149.60	NNNNNNN
S 2	LINCOLN WOOD RIVER	114 19.0	OP	0	1570	5800	25.794	
NW	WOOD RIV CANAL CO.		157.0	93.0	1570	5800		NNNNNNNYN
	BELLEVUE 1:62500.							
IDENPW0604	MILNER-GOODING BIG DROP	42 49.9	I	0	0	0	248.18	NNNNNNN
S 2	LINCOLN SNAKE RIV	114 16.0	OP	0	4690	17700	14. 21	
NW	NORTH SIDE CANAL CO		813.0	60.0	4690	17700		NNNNNNNYN
	0.							
ID7NPW0289	CANYON CREEK	43 53.0	H	200.0	0	0	1636.8	NUYNYUN
I 5	MADISON CANYON CREEK	111 26.0	IS	16100	1721	13671	119.72	
NW		68	50.0	674.3	1721	13671		UUUUNNNUN
	LINDERMAN DAM 1:24000.							

SITE ID / PROJECT NAME / LATITUDE / PROJ.PURP. / DAM HT / EXIST.CAP. / EXIST.ENRG / ANUL. COST / ENVIRONMENTAL IMPACT CODE
PRIMARY CO. =NAME OF STREAM / LONGITUDE / STATUS / TOT. STOR / INC. CAP. / INC.ENERGY / ENERGY COST /
DEP ACTV / OWNER / DR.AREA / AVE. Q / PWR. HD. / TOT. CAP. / TOT.ENERGY /
CODE INV / MAP REFERENCE / (D M.M) / / (FT) / (KW) / (MWH) / (1000 $) /
/ / (D M.M) / / (AC FT) / (KW) / (MWH) / ($/MWH) / SOCIAL
POWER AREA / / (SQ MI) / (CFS) / (FT) / (KW) / (MWH) / / IMPACT CODE
IDINPW0290 / MINIDOKA / 42 40.0 / IHCR / 58.0 / 13400 / 90000 / 1278.9 / NNNNNNN
I 2 / MINIDOKA SNAKE RIVER / 113 30.0 / OP / 220000 / 21600 / 60000 / 21.315 /
NW / DOI USBR / 15700 / 6394.0 / 33.8 / 35000 / 150000 / / NNNNNNNYN
ID6NPW0293 / ALTERNATE LOWER CANYON / 45 51.3 / H / 465.0 / 0 / 0 / 41750 / NUYYYUN
D 6 / NEZ PERCE SALMON RIVER / 116 47.2 / IS / 1000000 / 2317429 / 2431031 / 17.173 /
NW / / 14100 / 11000.0 / 433.1 / 2317429 / 2431031 / / UYYYUUUUN
/ ALTERNATE LOWER CANYON 1:240 / / / / / / /
ID4NPW0299 / ARROW / 46 28.4 / H / 110.0 / 0 / 0 / 15981 / NUYYYYN
I 6 / NEZ PERCE CLEARWATER RI / 116 46.0 / IS / 98000 / 185179 / 726428 / 22. 0 /
NW / / 8486 / 13570.0 / 84.9 / 185179 / 726428 / / UYYYUUUUY
ID4NPW0295 / ASOTIN / 46 20.3 / HNR / 200.0 / 0 / 0 / 32210 / NUYYYUN
I 6 / NEZ PERCE SNAKE RIVER / 117 1.5 / IS / 450000 / 895116 / 3484575 / 9.2436 /
NW / / 93100 / 30000.0 / 158.3 / 895116 / 3484575 / / UUYYUUUYN
ID6NPW0298 / CHINA GARDENS / 46 2.3 / H / 160.0 / 0 / 0 / 36685 / YYYYYUN
E 6 / NEZ PERCE SNAKE RIVER / 116 55.5 / IS / 141000 / 1026409 / 2512667 / 14.600 /
NW / / 88000 / 30000.0 / 107.4 / 1026409 / 2512667 / / UNYYNNNUN
ID4NPW0294 / HOG ISLAND / 46 26.8 / H / 44.0 / 0 / 0 / 4911.9 / YUYYYUN
I 5 / NEZ PERCE CLEARWATER RI / 116 52.0 / IS / 11000 / 13227 / 73031 / 67.258 /
NW / / 9583 / 15130.0 / 17.7 / 13227 / 73031 / / UYYUNNNUN
ID4NPW0296 / LAPWAI / 46 26.4 / H / 45.0 / 0 / 0 / 5346.3 / YUYYYUN
I 6 / NEZ PERCE CLEARWATER RI / 116 49.3 / IS / 16450 / 24254 / 125470 / 42.610 /
NW / / 9558 / =15731.9 / 22.9 / 24254 / 125470 / / UYYUNNNUN
/ LAPWAI / / / / / / /
ID6NPW0291 / LENORE / 46 30.5 / HO / 105.0 / 0 / 0 / 14979 / NUYYYYN
S 6 / NEZ PERCE CLEARWATER R / 116 30.6 / IS / 360000 / 149710 / 531665 / 28.174 /
NW / / 8540 / 13280.0 / 69.9 / 149710 / 531665 / / UYYYUUUUY
ID6NPW0292 / LOWER CANYON / 45 51.3 / H / 700.0 / 0 / 0 / 64777 / NUYYYUN
E 6 / NEZ PERCE SALMON RIVER / 116 47.2 / IS / 3700000 / 3575326 / 3730837 / 17.362 /
NW / / 14100 / 11000.0 / 664.3 / 3575326 / 3730837 / / UYYYNNNUN
/ ALTERNATE LOWER CANYON 1:240 / / / / / / /

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
IDCSPK0730	DEEP CREEK RESERVOIR	42 12.6	IS	96.0	0	0	104.60	33UU3U3
2	ONEIDA DEEP CREEK	112 10.2	OP	5400	468	2187	47.826	
NW	DEEP CREEK IRRIG CO	29	=76.3	87.9	468	2187		3333UUUUU
	MALAD CITY QUAD							
IDCSPK0734	DEVIL CREEK	42 17.3	IRC	84.0	0	0	52.621	33UU3U3
5	ONEIDA DEVIL CREEK	112 12.3	OP	142	54	219	239.56	
NW	MALAD VALLEY IRR CO	24	=63.2	61.9	54	219		3333UUUUU
	MALAD SUMMIT QUAD							
ID7NPW0309	BRUNEAU CANYON HOT SPRINGS	42 46.9	H	450.0	0	0	5993.4	NUYNYUN
I 5	OWYHEE BRUNEAU RIVER	115 43.0	IS	162800	7557	32687	183.35	
NW		2546	370.0	579.4	7557	32687		UUUYNNNUN
	HOT SPRINGS 1:24000.							
IDINPW0311	C J STRIKE	42 56.8	HS	132.0	82800	439548	0	NNNNNNN
I 5	OWYHEE SNAKE RIVER	115 58.4	OP	250000	0	0	0	
NW	ID POWER CO	41900	=11175.5	87.9	82800	439548		NNNNNNNYN
ID5NPW0310	JARBIDGE	42 20.3	H	10.0	0	0	647.19	NUNNYUN
I 5	OWYHEE BRUNEAU RIVER	115 39.0	IS	90	1464	3240	199.69	
NW		978	175.0	299.7	1464	3240		UUUUNNNUN
	TWINFALLS 1:250000.							
ID6NPW0307	JUNIPER CANYON	42 12.0	H	410.0	0	0	7907.6	NUYNYUN
I 5	OWYHEE OWYHEE RIVER	116 30.0	IS	104000	15975	17698	446.79	
NW		1140	300.0	391.6	15975	17698		UUUUNNNUN
	JORDON VALLEY AMS							
ID5NPW0308	RED CANYUN	42 16.9	H	10.0	0	0	1045.5	NUNNYUN
I 2	OWYHEE OWYHEE RIVER	116 56.0	IS	90	3436	16546	63.189	
NW		4949	545.0	449.5	3436	16546		UUUUNYNUN
	JORDON VALLEY AMS							
ID6NPW0306	SHEEP CREEK	42 30.0	H	305.0	0	0	2636.2	NYYNYUN
I 5	OWYHEE BRUNEAU RIVER	115 35.2	IS	60000	4123	7384	356.98	
NW		1610	290.0	296.7	4123	7384		UUUUNNNUN
	WINTER CAMP							
ID6NPW0305	THE FORKS	42 34.9	H	225.0	0	0	3660.6	NYYNYUN
I 5	OWYHEE BRUNEAU RIVER	115 37.9	IS	100000	22159	38911	94. 75	
NW		2300	335.0	217.7	22159	38911		UUUUNNNUN
	WINTER CAMP							

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
IDINPW0320	AMERICAN FALLS	42 46.7	ICSR	94.0	92340	392922	0	NNNNNNN
I 5	POWER SNAKE RIVER	112 52.8	OP	1676000	0	0	0	
NW	DOI USBR/ID POWER CO	13580	7226.0	82.0	92340	392922		NNNNNNNYN
ID4NPW0319	EAGLE ROCK	42 42.2	H	45.0	0	0	3329.3	NUYNYUN
I 5	POWER SNAKE RIVER	112 57.2	IS	9000	2277	15690	212.18	
NW		13672	6700.0	10.9	2277	15690		UUUUNNNUN
ID4NPS0017	AVERY	47 15.0	H	340.0	0	0	5595.9	NYUUUUU
D 6	SHOSHONE ST JOE RIVER	115 48.6	IS	203000	49503	230741	24.252	
NW		594	-1391.0	320.0	49503	230741		UUUUUUUUU
	WALLACE, ID. (15 MIN.)							
ID5NPW0321	BUZZARDS ROOST	46 59.0	H	10.0	0	0	889.73	NNNNYUN
I 2	SHOSHONE LIT N FK CLEA	115 39.9	IS	90	4637	22491	39.558	
NW		137	320.0	399.6	4637	22491		UNNNNNNYN
	BUZZARD ROOST							
ID6NPS0026	ENAVILLE	47 34.3	HCR	280.0	0	0	10026	NYYNYUU
D 6	SHOSHONE COEUR D ALENE	116 15.1	IS	1012000	56304	322697	31. 72	
NW		895	-1871.5	266.4	56304	322697		YUUUYUUUY
	KINGSTON,ID. 15MIN.AND KELLO							
ID4NPS0016	FITZGERALD FALLS	47 19.1	H	350.0	0	0	13301	UYYUYUY
I 6	SHOSHONE ST JOE RIVER	116 16.3	IS	1135400	94365	530543	25. 70	
NW		1098	-2571.3	330.0	94365	530543		UUUUUUUUU
	ST.JOE,ID. (15MIN).							
IDNNPS2612	HECLA MINE	47 31.2	H	35.0	0	0	42.921	UUUUUUU
I 5	SHOSHONE CANYON CREEK	115 48.9	RT	1	85	681	62.998	
NW		9	-25.3	255.7	85	681		UUUUUUUUU
	BURKE,ID. (15MIN).							
ID6NPS0027	LELAND GLEN	47 39.2	HC	308.0	0	0	6533.5	NNYNYUU
E 6	SHOSHONE COEUR D ALENE	116 1.9	IS	582000	42301	245600	26.602	
NW		595	-1329.4	293.0	42301	245600		YUUUYUUUY
	KELLOGG,ID. 15MIN.							
ID4NPS0022	NIAGARA CR	47 10.4	H	300.0	0	0	3305.2	NYUUUUU
D 5	SHOSHONE ST JOE RIVER	115 27.3	IS	82000	22987	43390	76.174	
NW		223	-273.8	279.7	22987	43390		UUUUUUUUU
	SIMMONS PEAK,ID.							

SITE ID / DEP ACTV CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	NAME OF STREAM	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ID4NPS0020	PROSPECTOR CREEK		47 13.7	H	300.0	0	0	4521.1	NYUUUUU
D 6	SHOSHONE	ST JOE RIVER	115 36.0	IS	113500	26689	122898	36.787	
NW			366	-857.1	280.0	26689	122898		UUUUUUUUUU
	THOR MTN.,ID.								
ID4NPS0021	QUARTZ BLUFF		47 12.0	H	400.0	0	0	6162.4	NYUUUUU
E 6	SHOSHONE	ST JOE RIVER	115 30.9	IS	135400	30877	152570	40.391	
NW			304	-711.9	390.0	30877	152570		UUUUUUUUU
	THOR MTN.,ID.								
ID4NPS0023	SIMMONS CREEK		47 8.0	H	340.0	0	0	3668.1	NYUUUUU
I 6	SHOSHONE	ST JOE RIVER	115 24.0	IS	120300	13751	77301	47.453	
NW			165	-386.4	320.0	13751	77301		UUUUUUUUU
	SIMMONS PEAK,ID.								
ID4NPS0019	SISTERS CR.		47 13.5	H	220.0	0	0	3024.9	NYUUUUU
E 6	SHOSHONE	ST JOE RIVER	115 42.1	IS	45800	20990	79101	38.241	
NW			403	-943.7	200.0	20990	79101		UUUUUUUUU
	THREE SISTERS,ID.								
ID4NPS0018	SIWASH CREEK		47 13.8	H	220.0	0	0	3273.5	NYUUUUU
E 6	SHOSHONE	ST JOE RIVER	115 44.6	IS	1	24741	93297	35. 87	
NW			475	-1112.3	200.0	24741	93297		UUUUUUUUU
	THREE SISTERS,ID.								
ID6NPS0015	TEDDY CREEK		47 46.9	HC	253.0	0	0	4507.7	NNYNYUU
S 6	SHOSHONE	COEUR D ALENE	116 3.9	IS	275000	17689	102668	43.906	
NW			300	-670.3	243.0	17689	102668		YUUUYUUUY
	POND PEAK,ID.								
ID5NPS2611	WALLACE		47 27.0	CH	40.0	0	0	414. 7	UUUUUUU
I 5	SHOSHONE	PLACER CREEK	115 56.0	IS	1	86	660	626.70	
NW	CITIZENS UTILITIES CO.		10	-26.9	199.8	86	660		UUUUUUUUU
	WALLACE,ID.(15MIN).								
ID6NPW0322	FELT		43 56.0	H	100.0	0	0	2066.0	NNYNYUN
I 5	TETON	TETON RIVER	111 16.2	IS	2190	2406	10584	195.19	
NW			350	753.0	84.5	2406	10584		UUIIUNNNUN
	DRUMMOND ID								
ID5NPW0323	JUDKINS		43 56.0	H	10.0	0	0	766.10	NNNNYUN
I 2	TETON	N FK TETON R	111 18.9	IS	90	2769	13369	57.303	
NW			156	140.0	474.5	2769	13369		UUUUUUUUN
	DRUMOND 1:24000.								

SITE ID / DEP CODE / POWER AREA	ACTV INV	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ MI)	PROJ.PURP. STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ID5NPW0324		TETONIA	43 51.9	H	10.0	0	0	925.38	NNNNYUN
I	5	TETON TETON RIVER	111 15.0	IS	90	1676	7785	118.85	
NW			475	390.0	139.8	1676	7785		UUUUNNNUN
		PACKSADDLE LAKE 1:24000.							
ID7NPW0325		VICTOR	43 36.5	H	120.0	0	0	2357.6	NNNNYUN
I	5	TETON TETON RIVER	111 5.1	IS	12720	984	4600	512.46	
NW			61	100.0	399.6	984	4600		UUYUNNNUN
		DRIGGS 1:62500.							
ID5NPW0327		BALANCED ROCK	42 33.9	H	10.0	0	0	779.97	NNNNYUN
I	5	TWIN FALLS SALMON FALLS	114 54.9	IS	90	645	2791	279.40	
NW			2100	172.0	419.5	645	2791		UNNNNNNUN
		BUHL ID							
ID6NPW0329		BICKEL	42 31.1	H	340.0	0	0	12539	NNYNYUN
I	2	TWIN FALLS SNAKE RIVER	114 10.3	IS	200000	463566	606865	20.663	
NW			18000	1875.0	312.2	463566	606865		UUUUUYUUN
ID9NPW0336		LOWER SALMON FALLS	42 50.5	H	110.0	60000	223775	0	NNNNNNN
I	5	TWIN FALLS SNAKE RIVER	115 44.3	OP	18500	0	0	0	
NW		ID POWER CO	32280	-7589.0	46.9	60000	223775		NNNNNNNYN
ID5NPW0333		LUCERNE	42 39.6	H	10.0	0	0	784.14	NNNNYUN
I	5	TWIN FALLS SALMON FALLS	114 52.9	IS	90	665	2375	330. 7	
NW			2115	169.0	429.5	665	2375		UNNNNNNUN
		BUHL 1:62500.							
IDENPW0602		MILNER BYPASS A	42 31.9	I	0	0	0	1286.0	NNNNNNN
S	2	TWIN FALLS SNAKE RIV	114 34.0	OP	0	52200	338500	3.7992	
NW		TWIN FALLS CANAL CO		1700.0	440.0	52200	338500		NNNNNNNYN
		0.							
IDENPW0603		MILNER BYPASS B	42 31.0	I	0	0	0	1168.4	NNNNNNN
S	2	TWIN FALLS SNAKE RIV	114 1.9	OP	0	30250	190100	6.1463	
NW		TWIN FALLS CANAL CO		1746.0	170.0	30250	190100		NNNNNNNYN
		0.							
IDENPW0337		MURTAUGH	42 28.0	I	39.0	0	0	1055.2	NNNNNNN
I	2	TWIN FALLS SNAKE RIVER O	114 9.9	OP	35	19432	56361	18.722	
NW		TWIN FALLS CANAL CO	17180	78.0	32.9	19432	56361		NNNNNNNYN
		MURTAUGH 1:24000.							

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ID5NPW0330	PERRINE	42 35.9	H	10.0	0	0	534.51	NNNNYUN
I 5	TWIN FALLS ROCK CREEK	114 24.0	IS	90	811	3971	134.57	
NW		93	40.0	1070.9	811	3971		UYUUNNNUN
	STRICKER BUTTE 1:24000.							
IDCNPW0334	SALMON FALLS	42 12.6	IS	226.0	0	0	334.26	NNNNNNN
I 2	TWIN FALLS SALMON FALLS	114 43.9	OP	228000	4702	8231	40.607	
NW	SALMON FALLS CANAL CO	1610	-155.8	200.7	4702	8231		NNNNNNNYN
	TWIN FALLS 1:250000.							
IDENPW0332	TWIN FALLS LOW LINE CANAL PO	42 27.6	IH	10.0	0	0	1678.3	NNNNNNN
S 2	TWIN FALLS SNAKE RIVER O	114 9.3	OP	10	26391	100665	16.672	
NW		17180	79.0	94.9	26391	100665		NNNNNNNYN
	STRICKER BUTTE 1:24000.							
IDGNPW0328	UPPER SALMON FALLS B	42 45.9	HIS	40.0	16500	141600	0	NNNNNNN
I 5	TWIN FALLS SNAKE RIVER	114 54.4	OP	1200	0	0	0	
NW	ID POWER CO	32200	-7570.2	24.9	16500	141600		NNNNNNNYN
IDGNPW0338	UPPER SALMON FALLS A	42 45.9	HIS	0	220000	167000	0	NNNNNNN
I 5	TWIN FALLS SNAKE RIVER	114 53.6	OP	3000	0	0	0	
NW	ID POWER CO	32200	-7570.2	10.0	220000	167000		NNNNNNNYN
ID5NPW0331	WEST FORK	42 24.0	H	10.0	0	0	371.54	NNNNYUN
I 5	TWIN FALLS ROCK CREEK	114 18.0	IS	90	293	1392	266.76	
NW		86	37.0	415.5	293	1392		YUUUNNNUN
	STRICKER BUTTE 1:24000.							
ID7NPW0346	BEAR CREEK	45 8.2	H	220.0	0	0	7198.5	NUYYYUN
I 5	VALLEY S FK SALMON R	115 34.0	IS	70000	16298	74891	96.119	
NW		1070	380.0	999.0	16298	74891		UYUUNNNUN
	ELK CITY 1:250000.							
ID6NPW0344	BEAR HILL	44 40.0	H	400.0	0	0	16271	NUYNYUN
E 5	VALLEY S FK SALMON R	115 42.2	IS	489400	22155	41907	388.26	
NW		140	224.0	387.6	22155	41907		UYYYNNNUN
	WARM LAKE 1:62500.							
ID6NPW0343	BOGUS CREEK	44 18.9	H	202.0	0	0	5399.8	NNYNYUN
I 2	VALLEY N FK PAYETTE	116 3.9	IS	33000	60740	118730	45.479	
NW		869	1200.0	178.8	60740	118730		UYYUNNYYN

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ID7NPW0367	BOILING SPRINGS	44 18.3	H	210.0	0	0	1450.4	NNYNYUN
I 5	VALLEY M FK PAYETTE	115 51.3	IS	70000	1089	2557	567. 2	
NW		88	132.0	449.5	1089	2557		UNYUNNNUN
	BOILING SPRINGS							
ID5NPW0347	BUCKHORN	45 0.9	H	10.0	0	0	1228.0	NUNNYUN
I 5	VALLEY S FK SALMON R	115 43.0	IS	90	2203	9467	129.70	
NW		266	426.0	309.6	2203	9467		UNYUNNNUN
	ELK CITY 1:250000.							
ID5NPW0353	BUTTERFLY-SCOTT	45 6.3	H	10.0	0	0	1153.9	NUNYYUN
I 2	VALLEY SECESH RIVER	115 37.0	IS	90	6824	29167	39,562	
NW		175	280.0	1438.5	6824	29167		UUUUNNNUN
	ELK CITY 1:250000							
ID7NPW0364	CABIN CREEK	45 6.3	H	350.0	0	0	4589.7	YYYYYUN
I 5	VALLEY BIG CREEK	114 43.9	IS	191000	5491	11263	407.50	
NW		470	810.0	599.4	5491	11263		UNNNNNNUN
	PUDDIN MTN 1:24000.							
IDINPW0375	CASCADE	44 31.5	IHCR	107.0	300	2600	1044.5	NNNNNYN
I 2	VALLEY N FK PAYETTE	116 3.0	OP	860000	12500	47400	22. 36	
NW	BUREC/ID POWER	626	-1051.3	67.0	12800	50000		NNNNNNYYN
ID7NPW0351	CHINOOK	44 30.9	H	210.0	0	0	4068.7	YYYYYUN
I 5	VALLEY M FK SALMON R	115 14.2	IS	10660	5224	41892	97,124	
NW		338	550.0	334.6	5224	41892		UNNNNNNNN
	CHALLIS AMS							
ID5NPW0341	CLOVERLEAF	44 7.3	H	10.0	0	0	2219.5	NNNNYUN
I 5	VALLEY DEADWOOD RIVE	115 39.9	IS	90	12608	31839	69,710	
NW		194	340.0	864.1	12608	31839		NUUUNNNUN
	CHALLIS AMS							
ID6NPW0348	CUMTUX	45 11.0	H	375.0	0	0	7597.2	NUYYYUN
I 6	VALLEY S FK SALMON R	115 33.9	IS	125000	218935	301933	25,162	
NW		1165	1600.0	347.4	218935	301933		UUUUNYNUY
IDCNPW0029	DEADWOOD	44 17.5	ICR	165.0	0	0	495.22	NNNNNNN
I 2	VALLEY DEADWOOD RIVE	115 39.4	OP	191000	6443	12402	39,930	
NW	DOI USBR	113	340.0	104.8	6443	12402		NNNNNNNYN
	CHALLIS 1:250000.							

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ID6NPW0350	FALL CREEK	44 30.3	H	210.0	0	0	5478.5	YYYYYUN
E 5	VALLEY M FK SALMON R	115 14.5	IS	12000	49617	69797	78.491	
NW		360	560.0	189.9	49617	69797		UNNNNNNNN
	CHALLIS 1:250000.							
ID5NPW0359	HALFWAY	44 48.9	H	10.0	0	0	458. 1	NYNNYUN
I 5	VALLEY JOHNSON CREEK	115 31.0	IS	90	833	3801	120.49	
NW		88	143.0	399.6	833	3801		UNYUNNNUN
	CHALLIS AMS							
IDCNPW0371	HORSETHIEF BASIN	44 30.3	RO	60.0	0	0	76.809	
I 2	VALLEY HORSETHIEF AN	115 55.5	OP	4900	843	1417	54.195	
NW	ID FISH AND GAME DEPT	48	-70.1	44.9	843	1417		UNYUNNNUN
	GOLD FORK 1:62500.							
ID6NPW0363	KNOX	44 42.0	H	280.0	0	0	7906.9	NYYYYUN
I 5	VALLEY S FK SALMON R	115 41.3	IS	180000	19864	28539	277. 4	
NW		140	224.0	267.7	19864	28539		UNYUNNNUN
	WARM LAKE 1:62500.							
ID4NPW0358	LANDMARK	44 38.0	H	130.0	0	0	1330.1	NYYYYUN
I 5	VALLEY JOHNSON CREEK	115 31.5	IS	147000	1451	3568	372.69	
NW		60	96.0	117.8	1451	3568		UYYUNNNUN
	WARM LAKE 1:62500.							
ID5NPW0118	LEWIS	45 6.1	H	10.0	0	0	3203.6	YYNNYUN
I 6	VALLEY M FK SALMON R	114 43.3	IS	90	45758	233732	13.706	
NW		2735	2900.0	432.5	45758	233732		UNNNNNNUN
	PUDDIN MTN 1:24000.							
ID5NPW0356	PARKS-SCOTT	45 6.3	H	10.0	0	0	1501.1	NUNNYUN
I 5	VALLEY E FK/S FK SAL	115 37.0	IS	5	37	218	6875.2	
NW		342	558.0	5.9	37	218		UUYUNNNUN
	CHALLIS AMS							
ID7NPW0366	PEACE VALLEY	44 18.3	H	205.0	0	0	1903.2	NNYNYUN
I 5	VALLEY SILVER CREEK	115 51.3	IS	13000	1251	2643	720. 1	
NW		35	53.0	849.1	1251	2643		UYYYNNNUN
	BOILING SPRINGS							
ID5NPW0362	POVERTY FLAT	44 51.9	H	10.0	0	0	1032.1	NYNNYUN
I 5	VALLEY S FK SALMON R	115 41.9	IS	90	2951	12783	80.741	
NW		140	224.0	829.1	2951	12783		UYYUNNNUN
	CHALLIS 1:250000.							

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ID7NPW0361		REED	44 54.0	H	180.0	0	0	2772.3	NYYYYUN
I	5	VALLEY S FK SALMON R	115 42.2	IS	64000	1091	5031	551. 4	
	NW		266	426.0	169.8	1091	5031		UYYUNNNUN
		CHALLIS 1:250000.							
ID7NPW0049		ROCKY CANYON	44 15.9	H	155.0	0	0	1351.9	NNYNYUN
I	5	VALLEY M FK PAYETTE	115 52.3	IS	22500	3016	13046	103.62	
	NW		180	272.0	414.5	3016	13046		UNYUNNNUN
		BOILING SPRINGS ID							
ID7NPW0340		SCOTT CREEK	44 13.0	H	370.0	0	0	6629.6	NNYNYUN
I	5	VALLEY DEADWOOD RIVE	115 37.9	IS	51000	5247	13109	505.70	
	NW		194	340.0	359.6	5247	13109		UUUUNNNUN
		CHALLIS AMS							
ID6NPW0355		SECESH	45 12.0	H	270.0	0	0	3394.3	NUYYYUN
I	5	VALLEY SECESH RIVER	115 48.9	IS	36000	19626	29505	115. 4	
	NW		115	184.0	255.7	19626	29505		UYYUNNNUN
		ELK CITY 1:250000.							
ID5NPW0349		SHEEPEATER NO 1	44 40.2	H	10.0	0	0	2460.0	YYYYYUN
I	5	VALLEY M FK SALMON R	115 9.0	IS	90	11088	26679	92,206	
	NW		450	675.0	579.4	11088	26679		UNNNNNNNN
		GREYHOUNND RIDGE 1:62500.							
ID6NPW0268		STEELHEAD	44 42.0	H	155.0	0	0	5108.4	YYYYYUN
E	6	VALLEY M FK SALMON R	115 7.1	IS	13600	57963	95703	53,378	
	NW		659	675.0	138.8	57963	95703		UNNNNNNUN
		GREYHOUND RIDGE 1:62500.							
ID5NPW0360		STIBNITE	44 58.0	H	10.0	0	0	736.91	NYNNYUN
I	5	VALLEY E FK/S FK SAL	115 25.2	IS	90	1341	5951	123.82	
	NW		70	85.0	799.2	1341	5951		UNYUNNNUN
		YELLOW PINE 1:24000.							
ID7NPW0352		TAILHOLT-SCOTT	45 6.3	H	120.0	0	0	3003.0	NUYYYUN
E	5	VALLEY S FK SALMON R	115 37.0	IS	11200	6709	29392	102.17	
	NW		1010	1520.0	359.6	6709	29392		UUUUNNNNN
		ELK CITY 1:250000							
ID5NPW0365		UPPER LAKE	45 1.9	H	10.0	0	0	606.36	NNYNYUN
I	5	VALLEY NORTH FORK PA	116 3.0	IS	90	1447	7180	84,442	
	NW		66	160.0	649.3	1447	7180		UNNNNNNUN
		GRANITE LAKE 7.5							

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ID5NPW0342	UPPER SCRIVER	44 12.0	H	10.0	0	0	2752.3	NNNNYUN
E 2	VALLEY NORTH FORK PA	116 0.0	FP	90	28860	142144	19.363	
NW		893	1300.0	439.5	28860	142144		UUUUNNYYN
ID5NPW0354	WHANGDOODLE	45 6.1	H	10.0	0	0	748.90	NUNYYUN
I 2	VALLEY SECESH RIVER	115 45.3	IS	90	2678	11980	62.509	
NW		115	184.0	939.0	2678	11980		UUUUUUUUN
	ELK CITY 1:250000.							
ID5NPW0368	WHITEHAWK	44 16.9	H	10.0	0	0	363.94	NNYNYUN
I 5	VALLEY WHITEHAWK CRE	115 37.9	IS	90	367	770	472.62	
NW		32	70.0	499.5	367	770		UNNNNNNUN
	DEADWOOD RES.							
ID5NPW0357	YELLOW PINE	44 58.0	H	10.0	0	0	1514.7	NYNNYUN
I 5	VALLEY E FK/S FK SAL	115 31.0	IS	90	2426	11227	134.91	
NW		215	300.0	539.4	2426	11227		UNNNNNNUN
	CHALLIS AMS							
IDINPW0380	BROWNLEE	44 50.1	H	400.0	585400	2417000	0	NNNNNNN
I 5	WASHINGTON SNAKE RIVER	116 54.0	OP	1426700	0	0	0	
NW	ID POWER CO	72590	=18349.7	226.9	585400	2417000		NNNNNNNYN
ID5NPW0379	CAMBRIDGE	44 32.9	H	10.0	0	0	844.11	NNNNYUN
I 5	WASHINGTON WEISER RIVER	116 41.9	IS	90	1043	7203	117.18	
NW		593	695.0	89.9	1043	7203		UNYYNNNUN
	CAMBRIDGE 1:62500.							
IDCNPW0381	CRANE CREEK	44 21.3	IS	63.0	0	0	0	NNNNNNN
I 5	WASHINGTON CRANE CREEK	116 37.0	OP	69600	0	1	0	
NW	CRANE CREEK RES CO	242	75.0	49.9	0	1		NNNNNNNUN
	CRANE CREEK RES. 1:62500.							
ID6NPW0377	GALLOWAY	44 15.0	HCISR	380.0	0	0	10857	NNYNYUN
I 2	WASHINGTON WEISER RIVER	116 46.0	IS	1300000	177940	227251	47.777	
NW		1473	1170.0	356.6	177940	227251		UYYYNNNUN
ID6NPW0378	GOODRICH	44 37.4	HI	168.0	0	0	5735.0	NNYNYUN
I 5	WASHINGTON WEISER	116 36.4	IS	250000	42653	60832	94.275	
NW		593	650.0	153.8	42653	60832		UYYYNNNUN

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IDCNPW0385	MANN CREEK	44 23.4	ICRO	148.0	0	0	2089.9	NNNNNNN
I 5	WASHINGTON MANN CREEK	116 53.6	OP	15400	1225	2523	828.14	
NW	DOI USBR	56	40.0	129.8	1225	2523		NNNNNNNUN
	MANN CREEK 1:62500.							
IDCNPW0383	PADDOCK VALLEY	44 11.8	I	54.0	0	0	94.152	NNNNNNN
I 2	WASHINGTON LITTLE WILLOW	116 35.8	OP	33000	1168	2178	43.215	
NW	LITTLE WILLOW IRR DIST	65	-84.5	44.9	1168	2178		NNNNNNNUN
	PADDOCK VALLEY RES.							

MONTANA (MT)

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
MTCMR00119	CLARK CANYON RESERVOIR	45 0.1	IRC	133.0	0	0	326.15	332N2N3
I 2	BEAVERHEAD BEAVERHEAD RI	112 51.3	OP	178000	3000	15150	21.528	
NW	DOI USBR	2321	=363.7	83.7	3000	15150		N3333333
MT6MR00117	REICHLE	45 35.9	HI	166.0	0	0	6271.9	3313332
I 6	BEAVERHEAD BIG HOLE RIVE	112 42.5	IS	530700	71173	107069	58.578	
NW	DOI USBR	2476	=1172.3	150.7	71173	107069		N11311331
MT6MR00126	HIGH COW	47 38.6	HI	323.0	0	0	41885	3113333
I 6	BLAINE MISSOURI RIVE	108 46.4	IS	8750000	758939	1466876	28.554	
NW	C OF E	40987	=9561.7	250.7	758939	1466876		N33311331
MTAMR00127	BROADWATER DAM	46 6.9	I	56.0	0	0	624.38	332N2N3
I 2	BROADWATER MISSOURI RIVE	111 22.0	OP	3000	5581	40201	15.531	
NW	DEPT OF NAT RES + CONS	14669	=5392.7	16.4	5581	40201		N3333333
MTGMR00667	BLACK EAGLE	47 24.0	H	52.0	18000	142727	2164.6	332N2N3
I 2	CASCADE MISSOURI RIVE	111 19.2	OP	3160	31027	52028	41.605	
NW	MONTANA POWER CO	23292	7483.0	39.6	49027	194756		N3333333
MTGMR00659	COCHRANE DAM	47 34.1	H	81.0	48000	300838	1069.1	332N2N3
I 2	CASCADE MISSOURI RIVE	111 9.8		9900	11510	16656	64.184	
NW	MONTANA POWER CO	23292	7483.0	68.6	59510	317495		N3333333
MT6MR00128	HARDY	47 5.9	HI	91.0	0	0	9244.0	3323333
I 6	CASCADE MISSOURI RIVE	111 48.0	IS	72500	68053	264615	34.934	
NW	UNKNOWN	17935	5648.7	73.0	68053	264615		N21311331
MTGMR00132	MORONY	47 35.7	H	88.0	45000	313753	4675.5	332N2N3
I 2	CASCADE MISSOURI RIVE	111 4.6	OP	13000	52003	60392	77.420	
NW	MONTANA POWER CO	23292	7483.0	75.6	97003	374146		N3333333
MTGMR00160	RAINBOW	47 31.7	H	120.0	35600	303989	4432.6	332N2N3
I 2	CASCADE MISSOURI RIVE	111 11.9	OP	1064	108030	231135	19.177	
NW	MONTANA POWER CO	23292	7483.0	107.6	143630	535124		N3333333

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MTGMR00130	RYAN	47 35.1	H	94.0	60000	362919	3952.4	332N2N3
I 2	CASCADE MISSOURI RIVE	111 8.3	OP	3037	44999	41172	95.998	
NW	MONTANA POWER CO	23292	7483.0	81.6	104999	404092		N3333333
MT6MR00135	FORT BENTON	47 47.5	HI	177.0	0	0	19091	3323333
I 2	CHOUTEAU MISSOURI RIVE	110 40.6	IS	765000	362760	664580	28.727	
NW	C OF E	24740	-7891.6	134.8	362760	664580		N33333333
MTJNPS0029	GEORGETOWN LAKE DAM	46 12.8	S I R H	37.0	1100	8000	0	UUUUUUU
I 5	DEER LODGE FLINT CREEK	113 16.8	OP	43000	0	0	0	
NW	MONTANA POWER CO	50	-27.9	717.0	1100	8000		UUUUUUUUU
	GEORGETOWN LAKE,MT							
MT6MR00136	ROCKY POINT	47 24.0	HI	166.0	0	0	23339	3113333
I 6	FERGUS MISSOURI RIVE	108 30.0	IS	1205000	431726	841145	27.747	
NW	UNKNOWN	38000	9020.0	153.8	431726	841145		N33311331
MTCNPS0058	ASHLEY	48 10.8	I	10.0	0	0	39.399	UUUUUUU
I 5	FLATHEAD ASHLEY CREEK	114 37.0	OP	8000	1	12	3100.1	
NW	ASHLEY IRR DIST.	44	-50.2	7.9	1	12		UUUUUUUUU
	LONE LAKE,MT							
MT6NPS0042	BELTON	48 29.9	HC	410.0	0	0	7873.4	YYUUUUU
I 6	FLATHEAD M F FLATHEAD	113 57.9	IS	1624000	89598	512226	15.371	
NW		941	-2483.4	330.0	89598	512226		UUUUUUUUU
	WEST GLACIER,MT AND LK MCDO							
MTHNPS0054	BIG FORK	48 3.7	HIR	14.0	4150	31000	1151.4	UNUUUUU
I 2	FLATHEAD SWAN CR	114 3.1	OP	109	11502	35263	32.653	
NW	PACIFIC POWER + LIGHT CO	735	-1298.2	95.0	15652	66263		UUUUUUUUU
	BIG FORK, MT							
MT4NPS0032	COLUMBIA FALLS	48 22.0	H	55.0	0	0	6944.6	NYUUUUU
I 6	FLATHEAD FLATHEAD RIVE	114 9.8	IS	37688	50072	209115	33.209	
NW		4464	-9920.2	47.0	50072	209115		UUUUUUUUU
	COLUMBIA FALLS SOUTH,MT COLU							
MT4NPS0033	CORAM	48 24.4	H	135.0	0	0	8262.3	YYUUUUU
S 6	FLATHEAD FLATHEAD RIVE	114 3.0	IS	95833	58586	256007	32.273	
NW		2800	-6222.3	97.0	58586	256007		UUUUUUUUU
	HUNGRY HORSE,MT MCGEE MEADOW							

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
MT6NPS0052	GLACIER VIEW	48 37.0	HC	416.0	0	0	18914	YYUUUUU
D 6	FLATHEAD N F FLATHEAD	114 9.0	IS	4800000	129498	734448	25.753	
NW		1460	=2968.3	395.0	129498	734448		UUUUUUUUU
	HUCKLEBERRY MTN,MT MCGEE MEA							
MT4NPS0047	GRANITE CREEK	48 10.6	H	160.0	0	0	2048.7	UUUUUUU
I 5	FLATHEAD GRANITE CREEK	113 19.8	IS	15500	105	864	2371.0	
NW		20	=52.3	139.8	105	864		UUUUUUUUU
	RED PLUME MTN,MT							
MT4NPS0046	GRANITE DRYAD	48 8.4	H	340.0	0	0	3993.6	NYUUUUU
E 6	FLATHEAD M F FLATHEAD	113 22.2	IS	190162	24684	124613	32. 48	
NW		295	=778.5	290.0	24684	124613		UUUUUUUUU
	RED PLUME MTN,MT CAPITOL MTN							
MT4NPS0053	HUNGRY CREEK	47 42.7	H	120.0	0	0	3336.4	YYUUUUU
E 6	FLATHEAD SOUTH FORK FL	113 22.6	IS	39000	22653	79231	42.110	
NW		740	=1643.7	100.0	22653	79231		UUUUUUUUU
	MARMONT MTN,MT PAGUDA,MTN,MT							
MTINPS0055	HUNGRY HORSE DAM	48 20.4	H,I,R	509.0	285000	820000	1729.7	UUUUUUU
I 5	FLATHEAD SOUTH FORK OF	114 0.7	O,	3647000	43000	0	0	
NW	DOI USBR	1654	=3673.9	472.1	328000	820000		UUUUUUUUU
	DORIS MTN,MT							
MT4NPS0045	LONG CREEK	48 8.9	H	225.0	0	0	1725.0	UUUUUUU
E 5	FLATHEAD LONG CREEK	113 31.5	IS	34310	3900	7040	245. 0	
NW		22	=57.5	209.7	3900	7040		UUUUUUUUU
	NIMROD,MT CIRCUS PEAK,MT							
MT5NPS0050	LOWER CANYON CREEK	48 30.4	H	150.0	0	0	6311.6	YYUUUUU
D 6	FLATHEAD N F FLATHEAD	114 7.6	IS	1	55675	206399	30.579	
NW		1610	=3273.3	154.0	55675	206399		UUUUUUUUU
	HUCKLEBERRY MTN,MT MCGEE MEA							
MT5NPS0038	MEADOW CREEK GORGE	47 49.9	H	170.0	0	0	3799.6	YYUUUUU
E 6	FLATHEAD S F FLATHEAD	113 25.0	IS	75000	34884	147681	25.728	
NW		860	=1519.0	200.0	34884	147681		UUUUUUUUU
	MEADOW CREEK,MT							
MT4NPS0039	MEADOW MOUNTAIN	47 47.9	H	235.0	0	0	4763.5	YYUUUUU
D 6	FLATHEAD S F FLATHEAD	113 24.9	IS	144375	53971	188595	25.258	
NW		820	=1821.4	215.0	53971	188595		UUUUUUUUU
	MEADOW CREEK,MT MARMOT MTN,M							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
MT6NPS0041	MILE 77	47 41.0	H	350.0	0	0	7661.5	YYUUUUU
D 6	FLATHEAD S F FLATHEAD	113 21.1	IS	1283000	70716	323238	23.702	
NW		700	-1554.8	330.0	70716	323238		UUUUUUUUU
	PAGODA MTN., MT							
MT7NPS0049	MORRISON CREEK	48 7.0	H	175.0	0	0	1174.6	UUUUUUU
D 5	FLATHEAD MORRISON CREE	113 17.3	IS	44344	103	846	1387.8	
NW		20	-52.3	159.8	103	846		UUUUUUUUU
	CAPITOL MTN,MT GABLE PEAKS,M							
MT4NPS0040	PICTURE CREEK	47 45.3	H	420.0	0	0	7820.0	YYUUUUU
E 6	FLATHEAD S F FLATHEAD	113 23.8	IS	1679121	78798	360078	21.717	
NW		780	-1732.5	330.0	78798	360078		UUUUUUUUU
	MEADOW CR, MT							
MT6NPS0048	SCHAFER MEADOW	48 5.3	H	290.0	0	0	4315.8	NYUUUUU
I 6	FLATHEAD M F FLATHEAD	113 17.5	IS	527000	16905	96727	44.619	
NW		217	-572.6	270.0	16905	96727		UUUUUUUUU
	CAPITOL MTN,MT GABLE PEAKS,M							
MT6NPS0051	SMOKY RANGE	48 31.9	HCR	370.0	0	0	11747	YYUUUUU
E 6	FLATHEAD FLATHEAD R NF	114 6.7	IS	1650000	118832	673956	17.430	
NW		1512	-3074.0	350.0	118832	673956		UUUUUUUUU
	MCGEE MEADOW,MT HUCKLEBERRY							
MT4NPS0034	SPOTTED BEAR	47 56.4	H	110.0	0	0	10291	NYUUUUU
D 5	FLATHEAD SF FLATHEAD	113 33.0	IS	23542	103384	149629	68.778	
NW		1148	-2546.6	94.9	103384	149629		UUUUUUUUU
	TIN CREEK,MT SPOTTED BEAR MT							
MT5NPS0035	SPOTTED BEAR - ALT	47 55.4	H	150.0	0	0	5562.5	NYUUUUU
E 6	FLATHEAD S F FLATHEAD	113 31.6	IS	71225	59848	209598	26.539	
NW		1150	-2554.4	170.0	59848	209598		UUUUUUUUU
	TIN CREEK, MT							
MT5NPS0036	SPOTTED BEAR MT	47 53.0	H	170.0	0	0	4250.0	YYUUUUU
D 6	FLATHEAD S F FLATHEAD	113 28.6	IS	69200	55218	193382	21.977	
NW		925	-2054.6	195.0	55218	193382		UUUUUUUUU
	SPOTTED BEAR MTN,MT MEADOW C							
MT5NPS0037	SPOTTED BEAR MTN ALT	47 52.2	H	150.0	0	0	4224.7	YYUUUUU
E 6	FLATHEAD S F FLATHEAD	113 26.2	IS	33483	53726	188156	22.453	
NW		900	-1999.1	195.0	53726	188156		UUUUUUUUU
	MEADOW CREEK,MT							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
MT7NPS0043	SPRUCE PK	48 10.3	HC	405.0	0	0	10510	NYUUUUU
D 0	FLATHEAD M F FLATHEAD	113 33.1	IS	410000	101240	578761	18.161	
NW		408	=1076.7	860.0	101240	578761		UUUUUUUUU
	NIMROD,MT MT BRADLEY,MT RED							
MT6NPS0076	UPPER BIG FORK	48 3.5	H	55.0	0	0	3130.4	UUUUUUU
E 5	FLATHEAD SWAN RIVER	114 2.5	IS	116000	18204	32946	95. 16	
NW		735	=1291.3	40.9	18204	32946		UUUUUUUUU
	BIG FORK,MT CRATER LAKE,MT							
MT5NPS0044	25 MILE CREEK	48 9.4	H	155.0	0	0	1873.5	UUUUUUU
E 5	FLATHEAD 25 MI CR	113 24.7	IS	10331	111	958	1954.1	
NW		20	=52.3	199.8	111	958		UUUUUUUUU
	MOUNT BRADLEY,MT							
MTCMRU0143	HEBGEN RESERVOIR	44 51.9	H	88.0	0	0	434.66	332N2N3
I 2	GALLATIN MADISON RIVER	111 20.8	OP	525000	7039	27426	15.848	
NW	MONTANA POWER	904	=1035.6	42.6	7039	27426		N3333333
MT6MRU0141	LOWER BASIN	45 17.9	HI	320.0	0	0	5622.7	1313333
I 6	GALLATIN GALLATIN RIVE	111 11.9	IS	388000	70316	101137	55.595	
NW	DOI USBR	530	791.0	307.3	70316	101137		N21311331
MT6NPS0062	ATKINS	46 19.8	HC	190.0	0	0	5170.4	UUUUUUU
I 5	GRANITE ROCK CR	113 32.7	IS	199950	21193	34323	150.63	
NW		526	=344.5	173.8	21193	34323		UUUUUUUUU
	BUTTE,MT (1:250,000)							
MT6NPS0063	JOY	46 13.6	HC	250.0	0	0	3230.7	UUUUUUU
I 5	GRANITE ROCK CR	113 31.1	IS	323800	5013	38668	83.550	
NW		400	=268.4	234.0	5013	38668		UUUUUUUUU
	BUTTE,MT (1:250,000)							
MT4NPS0066	LITTLE HUGBACK	46 26.5	H	115.0	0	0	3156.5	UUUUUUU
D 5	GRANITE ROCK CREEK	113 45.1	IS	1	12477	22531	140. 9	
NW		600	=393.0	99.9	12477	22531		UUUUUUUUU
	BUTTE,MT (1:250,000)							
MTCNPS0070	LOWER WILLOW CREEK	46 33.7	I	73.0	0	0	55. 25	UUUUUUU
I 5	GRANITE LOWER WILLOW	113 18.2	O,	4929	92	768	71.609	
NW	DIST LOWER WILLOW	80	=54.4	69.9	92	768		UUUUUUUUU
	BEARMOUTH,MT (15 MIN).							

SITE ID / DEP / ACTV / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
MT6NPS0061	QUIGLEY	46 33.4	HC	255.0	0	0	4470.7	UUUUUUU
E 5	GRANITE ROCK CR	113 42.6	IS	81500	9306	57032	78,391	
NW		724	-485.8	240.0	9306	57032		UUUUUUUUU
	RAVENNA,MT (15 MIN) CLEVELAN							
MT4NPS3201	SAPPHIRE	46 14.2	HC	200.0	0	0	2359.6	UUUUUUU
I 5	GRANITE WF ROCK CR	113 40.0	IS	22000	141	1199	1967.5	
NW		57	-37.3	184.8	141	1199		UUUUUUUUU
	BUTTE, MT (1:250000)							
MT6NPS0064	UPPER JOY	46 9.5	HC	200.0	0	0	3637.6	UUUUUUU
I 5	GRANITE EF ROCK CR	113 26.5	IS	65000	3571	6230	583.82	
NW		60	-61.9	182.8	3571	6230		UUUUUUUUU
	POTATO LAKES,MT							
MT4NPS0067	UPPER LITTLE HOGBACK	46 26.2	H	115.0	0	0	3145.9	UUUUUUU
E 5	GRANITE ROCK CREEK	113 44.9	IS	1	11957	21572	145.83	
NW		575	-376.6	99.9	11957	21572		UUUUUUUUU
	BUTTE,MT (1:250,000)							
MT4NPS0065	WAHLQUIST	46 30.1	H	135.0	0	0	3065.0	UUUUUUU
D 5	GRANITE ROCK CREEK	113 46.5	IS	1	17242	29872	102.60	
NW		655	-429.0	119.8	17242	29872		UUUUUUUUU
	CLEVELAND MTN,MT (15 MIN) BU							
MTCMRU0148	FRESNO RESERVOIR	48 36.1	ICSR	75.0	0	0	228.28	332N2N3
I 2	HILL MILK RIVER	109 56.8	OP	262000	2520	6224	36,676	
NW	DOI USBR	3766	-247.3	48.9	2520	6224		N3333333
MT6MRU0149	JEFFERSON CANYON	45 47.9	HI	190.0	0	0	10288	1313232
I 6	JEFFERSON JEFFERSON RIV	111 48.0	IS	1205000	127981	212911	48,321	
NW	UNKNOWN	8900	2109.5	175.9	127981	212911		N11311331
MTHNPS0086	BIG CREEK	47 42.4	H	15.0	360	2040	0	UUUUUUU
I 5	LAKE HELLROARING C	114 1.3	OP	25	0	0	0	
NW	BUREAU OF INDIAN AFFAIR	10	-11.4	585.0	360	2040		UUUUUUUUU
	EAST BAY,MT							
MT4NPS0073	BUFFALO RAPIDS NO 4 LOW	47 26.2	H	109.0	0	0	12662	NYYNYUU
E 6	LAKE FLATHEAD RIVE	114 20.4	IS	1	113184	549178	23, 56	
NW		8085	-13488.5	90.6	113184	549178		YNYUUUUUY
	SLOAN,MT MELTON RANCH,MT QLI							

SITE ID / PROJECT NAME / PRIMARY CO. =NAME OF STREAM / DEP ACTV CODE INV / OWNER / MAP REFERENCE / POWER AREA	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) / (AC FT) / (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) / (KW) / (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) / (MWH) / (MWH)	ANUL. COST / ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
MT4NPS0075	47 36.4	H	105.0	0	0	11182	NYYNYUU
E 6	114 21.1	IS	1	79402	400012	27.956	
NW	7150	=11928.6	76.3	79402	400012		YNYUUUUUY
	ROUND BUTTE,MT OLIVER POINT,						
MT6NPS0071	47 26.2	HCR	188.0	0	0	13087	NYYNYUU
E 6	114 20.4	IS	868000	188144	1015588	12.886	
NW	8085	=13488.5	150.4	188144	1015588		YYNYUUUUY
	SLOAN, MT.						
MTJNPS0078	47 40.6	H C R	186.0	168000	1060000	1306.9	UNUUUUU
I 2	114 13.9	OP	1792000	31100	53000	24.660	
NW	7096	=11838.5	186.0	199100	1113000		UUUUUUYYU
	POLSON, MT						
MTCNPS0081	47 25.4	I	52.0	0	0	37.702	UUUUUUU
I 5	113 59.5	OP	1500	4	38	988.96	
NW	21	=23.8	46.9	4	38		UUUUUUUUU
	MOUNT HARDING,MT						
MT4NPS0072	47 21.4	H	70.0	0	0	7976.5	NYYNYUU
E 6	114 19.1	IS	1000	56240	282172	28.268	
NW	8100	=13513.5	48.2	56240	282172		YYNYUUUUY
	DIXON,MT SLOAN,MT						
MT4NPS3203	47 29.6	H	110.0	0	0	10997	NUYNYUU
I 6	114 19.2	IS	186700	96000	569400	19.314	
NW	8000	=13346.7	99.9	96000	569400		YUUUUUUYY
	SLOAN, MT.						
MT6NPS0074	47 29.6	H	165.0	0	0	11407	NYYNYUU
E 6	114 19.2	IS	711000	166749	856135	13.324	
NW	8000	=13346.7	127.9	166749	856135		YNYUUUUUY
	SLOAN, MT						
MT7NPS0077	48 1.3	HC	16.0	0	0	4237.1	UUUUUUU
I 5	113 58.6	IS	10646	21888	39608	106.97	
NW	671	=1178.9	53.9	21888	39608		UUUUUUUUU
	CRATER LAKE,MT YEW CR,MT SWA						
MTDNPS0079	47 16.0	I	113.0	0	0	42.798	UUUUUUU
I 5	113 56.0	OP	3000	90	476	89.847	
NW	8	=9.4	109.8	90	476		UUUUUUUUU
	ST MARYS LAKE,MT						

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
MTIMR00158	CANYON FERRY LAKE	46 38.8	ICSRH	168.5	50000	384000	3565.8	332N2N3
I 2 NW	LEWIS AND CL MISSOURI RIVE DOI USBR	111 43.5 15904	OP -5862.7	2051000 129.9	90000 140000	50000 434000	71.316	N3333333
MT4NPS0127	COONEY CR	47 15.4	HC	215.0	0	0	1038.5	YNUUUUU
I 5 NW	LEWIS AND CL N F BLACKFOOT SCAPEGOAT MTN,MT OLSON PEAK,	112 49.3 24	IS -8.2	25000 199.8	63 63	312 312	3328.4	UUUUUUUUU
MTIMR00157	HAUSER LAKE	46 40.0	H	125.0	17000	141398	1788.1	332N2N3
I 2 NW	LEWIS AND CL MISSOURI MONTANA POWER CO	111 53.1 16876	OP -5568.8	109470 61.4	18738 35738	57351 198749	31.178	N3333333
MT6NPS0126	HEINZE	47 11.6	HC	400.0	0	0	4465.1	YNUUUUU
I 5 NW	LEWIS AND CL N F BLACKFOOT LAKE MTN,MT OLSON PEAK,MT	112 53.6 111	IS -109.2	146000 380.0	4679 4679	25885 25885	172.49	UUUUUUUUU
MTIMR00156	HOLTER	47 0.5	H	120.0	38400	294694	4340.5	332N2N3
I 2 NW	LEWIS AND CL MISSOURI MONTANA POWER CO	112 1.5 17149	OP -5658.9	265000 106.2	104979 143379	87028 381723	49.874	N3333333
MT6NPS0124	UPPER LINCOLN CANYON	46 56.0	HC	280.0	0	0	7805.3	UUUUUUU
S 5 NW	LEWIS AND CL BLACKFOOT RIV MOOSE CREEK,MT LINCOLN,MT SW	112 45.7 380	IS -286.6	2309000 265.0	7368 7368	47468 47468	164.43	UUUUUUUUU
MTCMR00161	TIBER RESERVOIR	48 17.9	CSR	197.5	0	0	873.83	332N2N3
I 2 NW	LIBERTY MARIAS RIVER DOI USBR	111 8.3 4923	OP -1510.2	1425000 155.4	12000 12000	62200 62200	14.48	N3333333
MT4NPS0087	KOOTENAI FALLS	48 27.3	H	180.0	0	0	11400	NNYNYUU
S 2 NW	LINCOLN KOOTENAI R. KOOTENAI FALLS,MT	115 45.9 10500	IS -12546.9	152100 160.0	220437 220437	926872 926872	12.299	YYYUYYYUY
MT4NPS0088	KOOTENAI RIVER	48 24.7	H	65.0	0	0	8483.9	NNYNYUU
E 2 NW	LINCOLN KOOTENAI R. LIBBY, MT	115 30.0 10035	IS -11919.4	1 59.9	79003 79003	332192 332192	25.539	YYYUYYYUY

SITE ID / DEP / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) / (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
MTHNPS0095	LAKE CREEK DAM	48 26.3	H	35.0	4500	25000	363.49	UNUUUUU
I 2	LINCOLN LAKE CREEK	115 52.2	OP	79	3000	7800	46.602	
NW	MONTANA POWER AND LIGHT CO.	207	=231.3	154.0	7500	32800		UUUUUUUUU
	KOOTENAI FALLS, MT							
MTINPS0096	LIBBY DAM	48 25.0	H C R	362.0	420000	1655640	0	UNUUUUU
S 5	LINCOLN KOOTENAI RIVE	115 18.4	OP	5869392	0	0	0	
NW	DAEN NPS	8900	=10635.0	341.0	420000	1655640		UUUUUUUUU
	ALEXANDER MTN,MT							
MT4NPS0089	LIBBY REREG	48 23.2	HC	70.0	0	0	9272.3	NNYNYUU
S 2	LINCOLN KOOTENAI R.	115 26.8	PA	33750	84000	280320	33. 77	
NW	DAEN NPS	9900	=11829.9	54.7	84000	280320		YYYUYYYUY
	VERMICULITE MTN, MT							
MT6NPS0094	LONG MEADOWS	48 49.9	HC	215.0	0	0	3793.1	UUUUUUU
I 5	LINCOLN YAAK RIVER	115 46.7	IS	726000	11276	72239	52.508	
NW		494	=613.3	188.8	11276	72239		UUUUUUUUU
	CLARK MTN,MT							
MT6NPS0090	LOWER YAAK CANYON	48 33.9	H	350.0	0	0	4458.0	NNYNYUU
S 6	LINCOLN YAAK R	115 57.4	IS	108000	30022	126697	35.186	
NW		760	=943.6	320.0	30022	126697		YNNUYYYUY
	KILBRENNAN LAKE,MT							
MT4NPS0091	MILE 5	48 36.5	H	220.0	0	0	2800.3	NNYNYUU
E 6	LINCOLN YAAK RIVER	115 55.5	IS	12400	18393	65096	43. 18	
NW		745	=925.0	200.0	18393	65096		YNNUYYYUY
	KILBRENNAN LAKE,MT							
MT4NPS0092	UPPER YAAK CANYON	48 37.3	H	220.0	0	0	2709.9	NNYNYUU
S 6	LINCOLN YAAK R.	115 54.4	IS	19000	17813	63024	42.997	
NW		740	=918.8	195.0	17813	63024		YNNUYYYUY
	KILBRENNAN LAKE,MT							
MT6NPS0093	YAAK FALLS	48 38.8	H	390.0	0	0	7556.8	NNYNYUU
S 6	LINCOLN YAAK RIVER	115 53.0	IS	348000	32982	204694	36.917	
NW		732	=908.8	365.0	32982	204694		YYNUYYYUY
	NEWTON MTN., MT.							
MTCMR00166	EARTHQUAKE LAKE	44 49.9	D	200.0	0	0	2050.5	332N2N3
I 5	MADISON MADISON RIVER	111 25.5	OP	59500	40869	107711	19. 37	
NW	USDA FS	1233	1127.0	150.7	40869	107711		N3333333

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
MTIMR00165	LAKE ENNIS	45 29.2	H	49.0	9000	30367	0	332N2N3
I 5	MADISON MADISON	111 39.1	OP	60000	0	0	0	
NW	MONTANA POWER CO	2181	=1770.6	27.0	9000	30367		N3333333
MT6MR00162	REICHIE	45 25.8	HI	200.0	0	0	6390.1	3313332
I 6	MADISON BIG HOLE RIVE	112 33.9	IS	898300	101190	140860	45.364	
NW	DOI USBR	2668	=1263.2	184.7	101190	140860		N22311331
MTCMR00163	RUBY RESERVOIR	45 14.2	I	111.0	0	0	183. 0	332N2N3
I 2	MADISON RUBY RIVER	112 6.2	OP	53800	1292	7154	25.578	
NW	DEPT OF NAT RES + CONS	596	=199.2	75.6	1292	7154		N3333333
MT4NPS0097	ALBERTON	47 0.0	HC	80.0	0	0	6895.5	NNYNYUU
E 2	MINERAL CLARK FORK R	114 28.8	IS	24000	36096	160514	42.958	
NW		9370	=5824.7	65.0	36096	160514		YYYUYYYUN
	PETTY MTN, MT							
MT4NPS0102	COLD CREEK	47 16.1	H	90.0	0	0	7439.9	NNYNYUU
S 2	MINERAL CLARK FORK R	115 4.1	IS	1	49902	218659	34. 25	
NW		10000	=7223.3	70.0	49902	218659		YYYUYYYUN
	ST. REGIS, MT (15)							
MT6NPS0100	FOURMILE RAPIDS	47 19.6	H	120.0	0	0	10243	NNYNYUU
E 2	MINERAL CLARK FORK R	115 2.6	IS	339000	76407	334020	30.666	
NW		10718	=7677.3	99.9	76407	334020		YYYUYYYUN
	ST. REGIS, MT (15)							
MT4NPS0109	FREEZEOUT GULCH	47 1.0	H	110.0	0	0	8351.5	NNYNYUU
E 2	MINERAL CLARK FORK R	114 36.7	IS	1	61914	271270	30.786	
NW		9650	=6970.4	90.0	61914	271270		YYYUYYYUN
	TARKIO, MT (15)							
MT4NPS0105	NEMOTE	47 3.3	H	120.0	0	0	9134.0	NNYNYUU
E 2	MINERAL CLARK FORK R	114 46.0	IS	1	70504	308973	29.562	
NW		9890	=7084.2	99.9	70504	308973		YNYUYYYUN
	SUPERIOR, MT (15)							
MT4NPS0110	PLATEAU	47 0.4	H	79.0	0	0	4237.4	NNYNYUU
S 2	MINERAL CLARK FORK R	114 32.8	IS	1	27200	119800	35.370	
NW		9590	=5911.9	49.2	27200	119800		YYYUYYYUN
	TARKIO, MT (15)							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
MT4NPS0106	QUARTZ CREEK	47 1.6	H	160.0	0	0	7363.2	NNYNYUU
D 6	MINERAL CLARK FORK RI	114 44.8	IS	1	88776	387761	18.989	
NW		9710	=7013.8	129.5	88776	387761		YNNUUUUUN
	TARKIO,MT (15 MIN) WILLIAMS							
MT4NPS0099	SEVEN MILE RAPIDS	47 20.5	H	70.0	0	0	7107.1	NNYNYUU
S 2	MINERAL CLARK FORK R	114 58.6	IS	1	47425	207873	34.189	
NW		10730	=7750.6	62.0	47425	207873		YYYUYYYUN
	PLAINS, MT (15)							
MT4NPS0103	SUPERIOR	47 13.0	H	55.0	0	0	4639.7	NNYNYUU
E 2	MINERAL CLARK FORK R	114 57.4	IS	1	28886	126555	36.661	
NW		10130	=7317.2	40.0	28886	126555		YYNUYYYUN
	SUPERIOR, MT (15)							
MT4NPS0104	SUPERIOR (ALT)	47 10.0	H	85.0	0	0	7505.0	NNYNYUU
S 2	MINERAL CLARK FORK R	114 51.7	IS	1	46268	202713	37. 22	
NW		9985	=7212.4	65.0	46268	202713		YYUUYYYUN
	SUPERIOR, MT (15)							
MT4NPS0108	TARKIO	47 0.1	H	110.0	0	0	7872.6	NNYNYUU
E 2	MINERAL CLARK FORK R	114 42.0	IS	1	62171	272479	28.892	
NW		9690	=6999.3	90.0	62171	272479		YNNUYYYUN
	TARKIO, MT (15)							
MT4NPS0107	WHISKEY GULCH	47 0.7	H	140.0	0	0	6939.1	NNYNYUU
S 2	MINERAL CLARK FORK R	114 44.1	IS	1	84520	370416	18.733	
NW		9880	=7136.6	120.0	84520	370416		YNNUYYYUN
	TARKIO, MT (15)							
MT6NPS0111	BITTERROOT	46 49.0	HC	125.0	0	0	6077.4	YNUUUUU
I 5	MISSOULA BITTERROOT RI	114 4.9	IS	781000	17816	78849	77. 75	
NW		2810	=2100.9	99.9	17816	78849		UUUUUUUUU
	SW MISSOULA, MT.							
MT6NPS0112	BONNER	46 53.0	HC	165.0	0	0	3414.6	NYYNYUU
S 6	MISSOULA BLACKFOOT RIV	113 50.6	IS	81000	24336	101331	33.698	
NW		2294	=1730.7	145.0	24336	101331		YYYUYYYUY
	BLUE POINT,MT SUNFLOWER MTN.							
MT6NPS0116	CAHOUN	46 58.8	H	170.0	0	0	4406.7	NYYNYUY
E 6	MISSOULA BLACKFOOT RIV	113 20.6	IS	218000	16462	106056	41.550	
NW		1500	=1131.6	150.0	16462	106056		YYYUYYYUY
	BATA MTN,MT WOODWORTH,MT OVA							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
MT6NPS0120	CLEARWATER	46 57.6	H	170.0	0	0	6518.7	NYYNYUY
E 6	MISSOULA BLACKFOOT RIV	113 22.8	IS	342000	32615	150279	43.377	
NW		1960	-1928.9	150.0	32615	150279		YYYUYYYUY
	GREENOUGH,MT BATA MTN SALMON							
MT6NPS0060	FINLEN	46 42.1	HC	225.0	0	0	4852.4	YNUUUUU
I 5	MISSOULA ROCK CREEK	113 40.6	IS	132000	9897	65048	74.597	
NW		880	-590.5	210.0	9897	65048		UUUUUUUUU
	RAVENNA,MT (15 MIN).							
MT4NPS0113	MCNAMARA	46 55.0	H	133.0	0	0	3557.6	NYYNYUU
S 6	MISSOULA BLACKFOOT RIV	113 40.6	IS	54000	18631	77594	45.849	
NW		2158	-1628.0	118.0	18631	77594		YNNUYYYUY
	SUNFLOWER MTN,MT POTOMAC,MT							
MTGNPS0117	MILLTOWN	46 52.3	H	59.0	3040	20000	0	UUUUUUU
I 5	MISSOULA CLARK FORK	113 53.5	OP	840	0	0	0	
NW	MONTANA POWER CO	6040	-3093.6	29.0	3040	20000		UUUUUUUUU
	SE MISSOULA, MT.							
MT6NPS0125	MYRICK	47 3.9	HC	160.0	0	0	3088.5	YNUUUUU
I 5	MISSOULA CLEARWATER RI	113 23.6	IS	546000	4559	25318	121.98	
NW		300	-295.2	137.0	4559	25318		UUUUUUUUU
	SALMON LAKE,MT SEELEY LAKE E							
MT6NPS0114	NINEMILE PRAIRIE	47 57.0	HCR	300.0	0	0	12095	NYYNYUU
S 6	MISSOULA BLACKFOOT RIV	113 33.9	IS	1000000	167008	783554	15.436	
NW		2044	-4540.2	273.9	167008	783554		YYYUYYYUY
	POTOMAC,MT.							
MT6MRU0171	ALLENSPUR	45 34.1	HI	385.0	0	0	29984	1113333
I 6	PARK YELLOWSTONE R	110 35.0	IS	4000000	571354	900212	33.308	
NW	DOI USBR	3620	3822.0	374.0	571354	900212		N21311331
MT6MRU0172	YANKEE JIM	45 12.0	HI	200.0	0	0	10302	1113333
I 6	PARK YELLOWSTONE R	110 54.0	IS	770970	207729	332276	31. 6	
NW	UNKNOWN	2700	3682.0	182.3	207729	332276		N11311331
MTCMRU0182	FRANCIS LAKE	48 15.7	IRSP	51.0	0	0	486.91	332N2N3
I 2	PONDERA OFFSTREAM-BIR	112 12.3	OP	111900	6847	16414	29.664	
NW	PONDERA CANAL + RES. CO.	146	195.0	32.6	6847	16414		N3333333

SITE ID / DEP / ACTV / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	NAME OF STREAM	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
MTCMRU0181	SWIFT RESERVOIR		48 10.0	IR	172.0	0	0	402.65	332N2N3
I 2	PONDERA	BIRCH CREEK	112 52.3	OP	34000	4302	10054	40. 46	
NW	P		75	-113.6	157.2	4302	10054		N3333333
MT6NPS0123	ARRASTRA CREEK		46 56.2	H	160.0	0	0	4080.6	UUUUUUU
E 5	POWELL	BLACKFOOT RIV	112 53.8	IS	213000	20791	28939	141. 0	
NW			460	-343.9	139.8	20791	28939		UUUUUUUUU
	MARCUM MTN,MT MOOSE CR,MT L								
MT7NPS0115	BOX CANYON (UVANDO 8)		46 59.9	H	290.0	0	0	10194	UUUUUUU
D 5	POWELL	BLACKFOOT RIV	113 12.7	IS	3860000	29734	191739	53.168	
NW			1270	-958.1	320.0	29734	191739		UUUUUUUUU
	CHAMBERLAIN MTN,MT BROWNS LA								
MT4NPS0121	FRAZIER CREEK		46 56.8	H	155.0	0	0	3749.3	UUUUUUU
E 5	POWELL	BLACKFOOT RIV	113 7.0	IS	523000	9125	58844	63.716	
NW			917	-691.8	136.0	9125	58844		UUUUUUUUU
	BROWNS LAKE, MT								
MT4NPS0128	LOST PONY CR		47 10.2	HC	165.0	0	0	3430.5	YNUUUUU
I 5	POWELL	EF OF NF BLAC	112 48.5	IS	119000	96	580	5909.0	
NW			41	-40.6	149.8	96	580		UUUUUUUUU
	OLSON PEAK,MT ARRASTRA MTN,M								
MT6NPS0122	LOWER LINCOLN CANYON		46 56.4	HC	140.0	0	0	4126.7	UUUUUUU
S 5	POWELL	BLACKFOOT RIV	112 55.1	IS	153000	18967	26575	155.28	
NW			470	-351.3	124.8	18967	26575		UUUUUUUUU
	MARCUM MTN,MT MOOSE CR,MT								
MTCNPS0130	NEVADA CREEK		46 48.1	I	75.0	0	0	43.199	UUUUUUU
I 5	POWELL	NEVADA CREEK	112 48.5	OP	12640	20	181	238.20	
NW	DEPT OF NAT RES + CONS		145	-49.8	69.9	20	181		UUUUUUUUU
	NEVADA LAKE,MT								
MT5NPS0119	SCARFACE BURNT		47 32.0	H	260.0	0	0	7721.8	YYUUUUU
I 6	POWELL	S F FLATHEAD	113 17.9	IS	562000	33927	155063	49.798	
NW			403	-895.1	275.0	33927	155063		UUUUUUUUU
	BIG SALMON LAKE EAST,MT UNA								
MT4NPS0133	BLODGETT CR		45 50.5	H	120.0	0	0	3198.9	UUUUUUU
E 5	RAVALLI	W F BITTEROOT	114 13.6	IS	19600	14308	25354	126.16	
NW			472	-440.0	99.9	14308	25354		UUUUUUUUU
	PIQUETT CREEK,MT								

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
MTCNPS0139	FRED BURR DAM	46 21.4	I	48.0	0	0	37.497	UUUUUUU
I 5	RAVALLI FRED BURR CRE	114 19.0	OP	515	3	31	1208.2	
NW	MONT STATE WATER RESOURC	11	-32.0	43.9	3	31		UUUUUUUUU
	PRINTZ RIDGE,MT							
MTCNPS0138	LAKE COMO	46 3.7	IR	64.0	0	0	45. 1	UUUUUUU
I 5	RAVALLI ROCK CREEK	114 13.9	OP	34800	48	375	119.69	
NW	DOI USBR	53	-49.4	54.9	48	375		UUUUUUUUU
	DARBY,MT							
MT4NPS0131	LOWER TRAPPER CR	45 53.8	H	80.0	0	0	2029.4	UUUUUUU
E 5	RAVALLI W F BITTERROO	114 10.6	IS	14000	10392	17766	114.22	
NW		546	-509.0	59.9	10392	17766		UUUUUUUUU
	BURNT RIDGE,MT PIQUETT CR,MT							
MTCNPS0137	PAINTED ROCKS DAM AND RES.	45 43.0	I	140.0	0	0	376.90	UNUUUUU
I 2	RAVALLI WF BITTERROOT	114 16.7	OP	32362	3900	15000	25.126	
NW	DEPT OF NAT RES + CONS	312	-294.4	140.0	3900	15000		UUUUUUUUU
	PAINTED ROCKS LAKE, MT (15)							
MT4NPS0134	PICKERAL LODGE	45 48.9	H	120.0	0	0	3020.3	UUUUUUU
E 5	RAVALLI W F BITTERROO	114 15.1	IS	10500	13065	23184	130.27	
NW		431	-401.7	99.9	13065	23184		UUUUUUUUU
	BOULDER PEAK,MT							
MT7NPS0136	UPPER AND LOWER SULA	45 50.1	H	220.0	0	0	2472.7	UUUUUUU
I 5	RAVALLI E F BITTERROO	113 59.3	IS	293000	5961	41375	59.765	
NW		352	-332.1	200.0	5961	41375		UUUUUUUUU
	SULA,MT							
MT4NPS0132	UPPER TRAPPER CR	45 53.4	H	215.0	0	0	6233.7	UUUUUUU
D 5	RAVALLI W F BITTERROO	114 11.2	IS	159000	35631	57886	107.68	
NW		538	-501.5	197.8	35631	57886		UUUUUUUUU
	BURNT RIDGE,MT PIQUETT CR,MT							
MT5NPS0144	BRAUER	47 50.8	H	110.0	0	0	1233.7	UUUUUUU
I 5	SANDERS VERMILLION CR	115 31.0	IS	5700	291	2495	494.28	
NW		105	-82.6	149.8	291	2495		UUUUUUUUU
	TROUT CREEK,MT							
MT4NPS0156	BULL RIVER NO. 1	48 4.0	H	90.0	0	0	2216.9	UUUUUUU
E 5	SANDERS BULL RIVER	115 48.1	IS	56000	2181	10802	205.22	
NW		136	-389.0	69.9	2181	10802		UUUUUUUUU
	SMEADS BENCH,MT IBEX PEAK,MT							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. *NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M,M)		(FT)	(KW)	(MWH)	(1000 $)	SOCIAL
		(D M,M)		(AC FT)	(KW)	(MWH)	($/MWH)	
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
MT4NPS2608	BULL RIVER NO. 2.	48 6.5	H	56.0	0	0	1422.7	UUUUUUU
D 5	SANDERS BULL RIVER	115 49.6	IS	12000	6583	9945	143.5	
NW		128	=366.1	43.9	6583	9945		UUUUUUUUU
	SMEADS BENCH,MT IBEX PEAK,MT							
MT7NPS0146	KNOWLES	47 20.9	HCR	266.0	0	0	24048	NUYNYUU
E 6	SANDERS FLATHEAD RIVE	114 43.9	IS	4959000	316433	2122191	11.332	
NW		9000	=15015.0	216.5	316433	2122191		YYYYYYYYY
	PERMA,MT MCDONALD,MT DIXON,M							
MT4NPS0159	LOWER SCHIBNER	47 52.2	H	80.0	0	0	768.41	UUUUUUU
I 5	SANDERS VERMILLION RI	115 19.1	IS	1900	128	1122	684.77	
NW		56	=160.2	64.9	128	1122		UUUUUUUUU
	VERMILION PEAK,MT							
MT5NPS3202	MILLS DIVERSION	47 52.1	H	95.0	0	0	2412.7	UUUUUUU
I 5	SANDERS VERMILION RIV	115 24.7	IS	1	23379	35454	68.50	
NW		100	=286.0	199.8	23379	35454		UUUUUUUUU
	SEVEN POINT MTN. MT							
MT1NPS0161	NOXON RAPIDS DAM	47 57.6	HCR	185.0	396880	1884048	0	UUUUUUU
I 5	SANDERS CLARK FORK	115 43.9	OP	496000	0	0	0	
NW	WASHINGTON WATER PWR CO	21833	=22407.3	152.0	396880	1884048		UUUUUUUUU
	NOXON RAPIDS DAM,MT							
MT6NPS0153	PARADISE	47 24.7	HCR	270.0	0	0	56009	NNYNYUU
E 6	SANDERS CLARK FORK RI	114 50.1	IS	6480000	426366	2917701	19.196	
NW		19900	=20259.1	224.0	426366	2917701		YUUUUUUUU
	PLAINS,MT (15 MIN) ST REGIS,							
MT6NPS0147	PERMA	47 20.1	HC	260.0	0	0	30946	NYYNYUU
E 6	SANDERS FLATHEAD RIVE	114 38.7	IS	5438000	336899	2159447	14.330	
NW		8953	=14936.6	230.0	336899	2159447		YUUUUUUUY
	PERMA,MT MCDONALD,MT DIXON,M							
MT4NPS0152	PLAINS	47 30.3	H	70.0	0	0	13220	NNYNYUU
E 6	SANDERS CLARK FORK RI	114 56.8	IS	1	100369	477568	27.683	
NW		20160	=20523.8	50.0	100369	477568		YUUUUUUUU
	WEEKSVILLE,MT PLAINS,MT PERM							
MT4NPS0154	QUINN SPRINGS	47 18.5	H	140.0	0	0	12879	NNYNYUU
E 2	SANDERS CLARK FORK R	114 49.4	IS	173000	92561	405271	31.779	
NW		10820	=7815.6	120.0	92561	405271		YYYUYYYUN
	PLAINS, MT (15)							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) (S/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
MT4NPS0101	SIEGEL	47 19.2	H	70.0	0	0	5408.9	NNYNYUU
S 2	SANDERS CLARK FORK R	114 48.1	IS	1	38585	169059	31.994	
NW		10825	-7819.2	50.0	38585	169059		YYYUYYYUN
	PLAINS, MT (15)							
MT4NPS0155	SMOKY CREEK	48 2.9	H	90.0	0	0	1861.4	UUUUUUU
D 5	SANDERS BULL RIVER	115 49.9	IS	16400	2083	10752	173.11	
NW		138	-394.8	69.9	2083	10752		UUUUUUUUU
	SMEADS BENCH,MT							
MTHNPS0162	THOMPSON FALLS	47 35.5	H	50.0	30000	260000	2497.6	UNUUUUU
I 2	SANDERS CLARK FORK R	115 21.5	OP	14970	60000	113880	21.932	
NW	MONTANA POWER CO	20968	-15145.8	59.8	90000	373880		UUUUUUUUU
	THOMPSON FALLS, MT (15)							
MT4NPS0160	THOMPSON RIVER	47 39.7	H	80.0	0	0	1051.1	UUUUUUU
E 5	SANDERS THOMPSON RIVE	115 7.9	IS	1	902	7130	147.41	
NW		532	-419.4	64.9	902	7130		UUUUUUUUU
	PRISCILLA PEAK,MT CALICO CRE							
MT4NPS0158	UPPER SCRIBNER	47 49.0	H	80.0	0	0	787.29	UUUUUUU
I 5	SANDERS VERMILLION RI	115 17.8	IS	1	114	1001	785.77	
NW		50	-143.0	64.9	114	1001		UUUUUUUUU
	VERMILION PEAK,MT							
MT7NPS0145	VIEWPOINT	47 37.0	H	800.0	0	0	23862	UUUUUUU
D 5	SANDERS THOMPSON RIVE	115 11.2	IS	4470000	39814	247640	96.358	
NW		632	-502.3	790.0	39814	247640		UUUUUUUUU
	EDDY MTN,MT							
MT5NPS0143	WEARE	48 5.3	HC	55.0	0	0	1209.8	UUUUUUU
E 5	SANDERS BULL RIVER	115 46.3	IS	25000	795	6646	182. 2	
NW		135	-386.2	95.9	795	6646		UUUUUUUUU
	SMEADS BENCH,MT							
MT4NPS0150	WEEKSVILLE	46 31.4	H	70.0	0	0	13498	NNYNYUU
E 6	SANDERS CLARK FORK RI	114 59.9	IS	1	103057	490334	27.528	
NW		20700	-21073.5	50.0	103057	490334		YUUUUUUUU
	WEEKSVILLE,MT BIGHOLE PEAK,							
MT6MR00185	BENSONS BLUFF	45 35.9	HI	250.0	0	0	20373	3113333
I 6	STILLWATER YELLOWSTONE R	109 18.0	IS	800000	450534	678949	30. 7	
NW	UNKNOWN	7860	6754.0	229.1	450534	678949		N21311331

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
MTIMR00186	MYSTIC LAKE	45 13.4	H	0	10000	11771	0	332N2N3
I 5	STILLWATER WEST ROSEBUD	109 45.6	OP	21400	0	0	0	
NW	MONTANA POWER CO	46	=1618.6	36.0	10000	11771		N3333333
MT6MR00187	GREY CLIFF	45 42.0	HI	255.0	0	0	26384	3113333
I 6	SWEET GRASS YELLOWSTONE R	109 41.9	IS	800000	448705	674408	39.121	
NW	UNKNOWN	7347	6754.0	244.1	448705	674408		N21311331
MTCMR00190	GIBSON RESERVOIR	47 36.1	ICR	178.0	0	0	836.10	332N2N3
I 2	TETON SUN RIVER	112 45.6	OP	105000	11000	38800	21.549	
NW	DOI USBR	575	=772.5	172.5	11000	38800		N3333333
MTAMR00819	SUN RIVER DIVERSION	47 37.5	I	130.0	0	0	196.93	332N2N3
I 2	TETON SUN RIVER	112 42.4	OP	4	1600	10100	19.498	
NW	DOI WPRS	609	452.0	122.8	1600	10100		N3333333

NEW MEXICO (NM)

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
NMCSWA0058	EAGLE NEST LAKE	36 31.9	IR	142.0	0	0	144.84	3333333
I 2	COLFAX CIMARRON CREE	105 13.9	OP	78800	965	2704	53.561	
AR	C S RANCH CO	167	14.0	87.5	965	2704		3333UUUUU
	UTE PARK							
NMCSWA0083	ABIQUIU DAM	36 14.4	C D R	325.0	0	0	556.82	3333333
I 2	RIO ARRIBA RIO CHAMA	106 25.7	OP	568400	6107	19565	28.459	
AR	DAEN SWA	2146	-383.9	117.8	6107	19565		33332UUUU
	CANONES							
NMCSWA0085	EL VADO	36 35.5	ICR	175.0	0	0	559.29	3333333
I 2	RIO ARRIBA RIO CHAMA	106 43.9	OP	226000	6168	19592	28.546	
AR	DOI USBR	873	356.0	121.8	6168	19592		3333UUUUU
	TIERRA AMARILLA							
NMCSWA0084	HERON RESERVOIR	36 40.0	ISRO	275.0	0	0	46.685	3333333
I 2	RIO ARRIBA WILLOW CREEK	106 42.6	OP	430000	132	335	139.24	
AR	DOI USBR	193	-105.5	204.0	132	335		3333UUUUU
	TIERRA AMARILLA							
NM6SWA0076	PLANT NO 2	36 28.4	P	135.0	0	0	2510.2	UUUUUUU
I 5	RIO ARRIBA RIO CHAMA	106 42.5	IS	34000	9768	27287	91.991	
AR	FERC	1172	-497.9	110.8	9768	27287		UUUUUUUUU
	NAVAJO PEAK							
NM6SWA0075	PLANT NO 1	36 30.7	P	135.0	0	0	2039.9	UUUUUUU
I 5	RIO ARRIBA RIO CHAMA	106 43.3	IS	46000	5538	18142	112.44	
AR	FERC	925	-393.0	110.8	5538	18142		UUUUUUUUU
	TIERRA AMARILLA							
NM6SWA0077	PLANT NO 3	36 18.7	P	136.0	0	0	1898.1	UUUUUUU
I 5	RIO ARRIBA RIO CHAMA	106 35.1	IS	77000	5152	17844	106.36	
AR	FERC	1630	380.0	110.8	5152	17844		UUUUUUUUU
	ECHO AMPHITHEATER							
NM6SWA0078	WILLOW CREEK NO 1	36 49.7	P	95.0	0	0	936.95	UUUUUUU
I 5	RIO ARRIBA WILLOW CREEK	106 38.1	IS	5000	0	1	645602	
AR	FERC	110	-60.1	76.9	0	1		UUUUUUUUU
	CHAMA							
NM6SWA0079	WILLOW CREEK NO 3	36 44.4	P	160.0	0	0	2005.8	UUUUUUU
I 5	RIO ARRIBA WILLOW CREEK	106 37.4	IS	124000	53	261	7677.9	
AR	FERC	130	138.0	127.8	53	261		UUUUUUUUU
	TIERRA AMARILLA							

SITE ID / PRIMARY CO. -NAME OF STREAM / DEP ACTV CODE INV / POWER AREA	PROJECT NAME / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
NM5SPK0780	FARMINGTON TO SHIPROCK	36 47.5	IHR	10.0	0	0	11918	UUUUUUU
S 5	SAN JUAN SAN JUAN RIVE	108 43.4	IS	0	69786	309325	38.531	
AR		7240	2589.0	369.6	69786	309325		UUUUUUUUU
	CHMNY ROCK,THE HOGBACK N,WTR							
NMCSPK0783	MORGAN LAKE	36 42.0	O	130.0	0	0	35. 4	33UU3U3
5	SAN JUAN OFF STREAM SA	108 29.0	OP	39000	0	0	1096057	
AR	ARIZONA PUB SERV CO	2	48.5	115.8	0	0		3333UUUUU
	FRUITLAND AND THE HOGBACK N							
NM5SPK0779	NAVAJO DAM TO FARMINGTON	36 43.0	IHR	25.0	0	0	12261	UUUUUUU
S 5	SAN JUAN SAN JUAN RIVE	108 13.9	IS	0	54245	262510	46.707	
AR		3558	1519.0	489.5	54245	262510		UUUUUUUUU
	PINE RIVER QUAD							
NMCSPK0782	NAVAJO RESERVOIR	36 47.8	IRHO	402.0	0	0	5872.3	33UU3U3
2	SAN JUAN SAN JUAN RIVE	107 36.4	OP	2000000	325387	365677	16. 58	
AR	US - WPRS	3195	1300.0	371.5	325387	365677		333U115UU
	NAVAJO DAM QUAD							
NMCSPK0786	SAN JUAN POWER GENERATION RE	36 44.2	O	0	0	0	35,203	33UU3U3
5	SAN JUAN TR SAN JUAN-O	108 18.9	OP	1330	0	0	117525	
AR	PUBLIC SERVICE CO. OF NM	2	13.3	63.9	0	0		3333UUUUU
	KIRKLAND QUAD							
NM5SPK0781	SHIPROCK NM TO UPPER LIMIT B	37 4.5	IHR	10.0	0	0	9156.8	UUUUUUU
S 5	SAN JUAN SAN JUAN RIVE	109 5.0	IS	0	58553	257934	35.500	
AR		12900	2679.0	299.7	58553	257934		UUUUUUUUU
	CHIMNEY ROCK,AENTH,(UT),RAIT							
NMCSWA0092	COCHITI	35 37.5	CIRD	251.0	0	0	1598.1	3333333
I 2	SANDOVAL RIO GRANDE +	106 20.0	OP	588100	22905	69748	22.913	
AR	DAEN SWA	14900	-1553.3	90.2	22905	69748		3333UUUUU
	COCHITI DAM AND SANTO DOMING							
NM6SWA0090	GUADALUPE	35 40.0		135.0	0	0	2533.8	UUUUUUU
I 5	SANDOVAL JEMEZ RIVER	106 45.0	SI	755	111	951	2662.2	
AR	DOI USBR	473	-72.8	92.9	111	951		UUUUUUUUU
	PONDEROSA							
NMCSWA0091	JEMEZ CANYON DAM	35 23.6	C D	135.0	0	0	35,397	
I 5	SANDOVAL JEMEZ RIVER	106 32.7	OP	110000	0	0	92553	
AR	DAEN SWA	1034	54.0	25.5	0	0		
	SANTA ANA PUEBLO							

SITE ID / PROJECT NAME / LATITUDE / PROJ.PURP. / DAM HT / EXIST.CAP. / EXIST.ENRG / ANUL. COST / ENVIRONMENTAL
PRIMARY CO. -NAME OF STREAM / LONGITUDE / STATUS / TOT. STOR / INC. CAP. / INC.ENERGY / ENERGY COST / IMPACT CODE
DEP ACTV / OWNER / DR.AREA / AVE. Q / PWR. HD. / TOT. CAP. / TOT.ENERGY / /
CODE INV / MAP REFERENCE / (D M.M) / / (FT) / (KW) / (MWH) / (1000 $) /
/ / (D M.M) / / (AC FT) / (KW) / (MWH) / ($/MWH) / SOCIAL
POWER AREA / / (SQ MI) / (CFS) / (FT) / (KW) / (MWH) / / IMPACT CODE
NMCSWA0105 / CABALLO RESERVOIR / 32 53.8 / ICR / 96.0 / 0 / 0 / 1167.0 / 3333333
I 2 / SIERRA RIO GRANDE / 107 17.4 / OP / 344000 / 13630 / 45300 / 25.762 /
AR / DOI USBR / 30700 / 864.0 / 70.9 / 13630 / 45300 / / 3333UUUUU
/ CABALLO / / / / / / /
NMISWA0104 / ELEPHANT BUTTE RESERVOIR / 33 9.2 / IHCR / 301.0 / 24300 / 95354 / 337.36 / 3333333
I 2 / SIERRA RIO GRANDE / 107 11.4 / OP / 2195000 / 3444 / 1879 / 179.46 /
AR / DOI USBR / 29445 / 987.0 / 158.0 / 27744 / 97234 / / 3333UUUUU
/ ELEPHANT BUTTE / / / / / / /
NM6SWA0107 / LOWER HIDDEN MOUNTAIN DAM / 34 34.1 / C / 138.0 / 0 / 0 / 3316.4 / UUUUUUU
I 5 / SOCORRO RIO PUERCO / 106 53.2 / DM / 457500 / 370 / 101 / 32732 /
AR / DAEN SWA / 5810 / 53.0 / 5.7 / 370 / 101 / / UUUUUUUUU
/ BELEN SW / / / / / / /
NM6SWA0111 / AMALIA / 36 55.8 / IS / 125.0 / 0 / 0 / 626.62 / 3333333
I 2 / TAOS CUSTILLA CREE / 105 30.0 / SI / 11810 / 86 / 708 / 884.63 /
AR / DOI USBR / 163 / -61.1 / 71.9 / 86 / 708 / / 3333UUUUU
/ AMALIA / / / / / / /

NEVADA (NV)

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
NVASPK0736	CARSON RIVER DIVERSION	39 29.6	IHS	22.0	0	0	35,524	33UU3U3
5	CHURCHILL CARSON RIVER	118 59.6	OP	750	0	0	107294	
CN	US - WPRS	1800	500.0	4.9	0	0		3333UUUUU
	FALLON QUAD							
NVISPK0737	LAHONTAN RESERVOIR	39 27.8	IHRSO,	0	2400	13000	241.52	3333333
2	CHURCHILL CARSON RIVER	119 3.9	OP	426480	1840	6590	36,650	
CN	DOI USBR	1750	448.0	88.9	4240	19590		3333UU5UU
NVCSPK0738	STILLWATER POINT RESERVOIR	39 31.9	R	8.0	0	0	37,349	33UU3U3
5	CHURCHILL STILLWATER CA	118 28.8	OP	7260	1	11	3300.7	
CN	DOI BSFW	2000	-121.6	26.0	1	11		3333UUUUU
	FOXTAIL LAKE QUAD							
NVISPL0136	(LAKE MEAD) HOOVER DAM	36 0.0	IHCONSR	0	0	0	0	
0	CLARK COLORADO RIVE	114 41.9		0	0	0	0	
CN	DOI USBR	167800	17000.0	-490.7	0	**********		
NV6SPK0740	HOYE CANYON RESERVOIR	38 42.4	IC	75.0	0	0	2039.9	UUUUUUU
I 5	DOUGLAS WALKER RIVER	119 35.9	IS	75000	1315	7608	268.12	
CN		533	-563.2	63.9	1315	7608		UUUUUUUUU
	DESERT CREEK PEAK QUAD							
NVCSPK0741	TOPAZ RESERVOIR	38 41.6	I	0	0	0	51,155	33UU3U3
5	DOUGLAS W WALKER RIVE	119 30.8	OP	59440	37	319	160.30	
CN	WALKER RIVER IRR DIST	500	228.0	26.9	37	319		3333UU5UU
	TOPAZ LAKE QUAD							
NV6SPK0739	WATASHEAMU RESERVOIR	38 49.9	HIC	240.0	0	0	4980.8	2342312
I 6	DOUGLAS EAST FORK CAR	119 41.9	IS	115000	52832	68716	72.484	
CN		344	-508.9	235.7	52832	68716		U323UUUUU
	MT. SIEGAL QUAD							
NVCSPK0745	BISHOP CREEK RESERVOIR	41 15.3	I	0	0	0	53,580	33UU3U3
5	ELKO BISHOP CREEK	114 54.8	OP	30000	91	604	88.668	
NW	PACIFIC RECLAMATION CO	68	-117.8	46.9	91	604		3333UUUUU
	SUMMER CAMP QUAD							
NVCSPK0748	OAKE RESERVOIR	41 21.7	I	0	0	0	59,460	33UU3U3
5	ELKO THOUSAND SPRI	114 5.0	OP	7457	78	634	93,661	
NW	MESQUITE LAND CO	1421	-137.5	27.9	78	634		3333UUUUU
	TECOMA QUAD							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. *NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
NV6SPK0744	DEVILS GATE RESERVOIR	41 11.0		124.0	0	0	1285.0	UUUUUUU
I 5	ELKO NORTH FORK HU	115 30.0		80000	77	463	2774.7	
NW		878	74.0	99.9	77	463		UUUUUU4UU
	PEKO PEAK QUAD							
NV6SPK0743	HYLTON RESERVOIR	40 40.0	CIRO	99.0	0	0	2191.4	UUUUUUU
I 5	ELKO SOUTH FORK HU	115 46.9	DM	210000	0	4	515375	
NW		1150	-111.2	77.9	0	4		UUUUUU4UU
	DIXIE FLAT QUAD							
NV2SPK0750	LAMOILLE POWER PLANT	40 41.4	H	0	0	0	0	33UU3U3
9	ELKO LAMOILLE CREE	115 28.4	IS	0	0	0	0	
NW	NEVADA POWER CO	25	44.0	910.0	0	**********		3333UUUUU
	LAMOILLE QUAD							
NV6NPW0386	PATSVILLE	41 47.9	H	360.0	0	0	7279.0	NUYNYUN
I 5	ELKO EAST FORK OWY	115 57.2	IS	250000	2824	5134	1417.7	
NW		332	105.0	347.6	2824	5134		UNNNNNNUN
NV6NPW0387	SKULL CREEK	41 55.0	H	240.0	0	0	3522.7	NUYNYUN
I 5	ELKO OWYHEE RIVER	115 3.9	IS	165000	285	471	7469.6	
NW		458	140.0	222.7	285	471		UNNNNNNUN
NV6SPK0742	VISTA RESERVOIR	41 19.7	ICR	73.0	0	0	2656.4	UUUUUUU
I 5	ELKO MARYS RIVER	115 15.0	DM	50000	0	2	928793	
NW		373	55.0	57.9	0	2		UUUUUU4UU
	BLACK BUTTE SW QUAD							
NVCSPK0749	21 MILE RESERVOIR	41 31.7	I	0	0	0	55,358	33UU3U3
5	ELKO THOUSAND SPRI	114 21.7	OP	5340	96	720	76,822	
NW	MESQUITE LAND CO	801	-77.5	42.9	96	720		3333UUUUU
	DELANO MTS QUAD							
NV6SPK0756	FORT MCDERMITT	41 58.4	IC	190.0	0	0	1758.3	UUUUUUU
I 5	HUMBOLDT QUINN RIVER	117 35.0	IS	43600	94	502	3495.8	
NW		140	-26.4	161.8	94	502		UUUUUUUUU
	MCDERMITT QUAD							
NV6SPK0755	MCDERMITT CREEK RESERVOIR	41 58.4	IC	220.0	0	0	2366.4	UUUUUUU
I 5	HUMBOLDT MCDERMITT CRE	117 50.9	IS	51500	114	792	2986.3	
NW		224	-42.2	186.8	114	792		UUUUUUUUU
	USGS MCDERMITT CREEK RESERVO							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
NV6SPK0757	SUGARLOAF RESERVOIR	41 32.1	IC	350.0	0	0	2571.6	UUUUUUU
I 5	HUMBOLDT MARTIN CREEK	117 24.9	IS	167400	99	385	6668.2	
NW		172	-32.4	297.7	99	385		UUUUUUUUU
	USGS LITTLE HUMBOLDT RIVER R							
NV5SPK0763	EUREKA RESERVOIR	39 12.0	HIC	10.0	0	0	2384.7	UUUUUUU
I 5	LYON CARSON RIVER	119 37.9	IS	0	5757	45118	52.853	
CN		876	395.0	199.8	5757	45118		UUUUUUUUU
	MCTARNAHAN HILL QUAD							
NVGSPK0765	26 FOOT DROP POWER PLANT	39 29.0	H	26.0	800	3837	0	3333333
5	LYON V CANAL (CARS	118 53.5	UP	0	0	0	0	
CN	SIERRA PACIFIC POWER CO	2000	100.0	24.9	800	3837		3333UUUUU
	FALLON QUAD							
NVCSPK0766	WEBER RESERVOIR	39 2.7	I	43.0	0	0	55.970	33UU3U3
5	MINERAL WALKER RIVER	118 51.6	UP	14000	72	554	100.90	
CN	DOI BIA	2700	158.0	32.9	72	554		2333UUUUU
	WEBER RESERVOIR QUAD							
NVCSPK0768	LOWER PITT TAYLOR RESERVOIR	40 36.3	I	27.0	0	0	35.581	3333333
5	PERSHING HUMBOLDT RIVE	118 18.0	UP	15694	0	0	62886	
CN	PCWCO	15700	207.0	20.9	0	0		3333UUUUU
	QUINN RIVER CROSSING QUAD							
NVCSPK0769	RYE PATCH RESERVOIR	40 28.2	IRU.	78.0	0	0	207.43	33UU3U3
2	PERSHING HUMBOLDT RIVE	118 18.0	UP	213000	1200	5430	38.201	
CN	US - WPRS	15700	170.0	63.9	1200	5430		3333UU5UU
	OREANA QUAD							
NVASPK0770	DERBY DAM	39 35.1	IHS	31.0	0	0	36.612	33UU3U3
5	STOREY TRUCKEE RIVER	119 26.8	UP	560	0	3	11504	
CN	US - WPRS	1700	800.0	13.9	0	3		3333UUUUU
	WADSWORTH QUAD							
NVHSPK0774	FLEISH POWERPLANT	39 28.4	H	0	0	0	0	
4	WASHOE TRUCKEE RIVER	119 59.5	UP	0	0	0	0	
CN	SIERRA PACIFIC POWER CO	978	800.0	125.0	0	**********		
NVCSPK0771	UPPER WALL CREEK RESERVOIR	41 9.8	I	75.0	0	0	61.959	33UU3U3
5	WASHOE WALL CREEK	119 48.9	UP	3800	112	904	68.520	
CN	LEWIS COCKRELL	243	-78.0	68.9	112	904		3333UUUUU
	VYA 1:250000							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
NVHSPK0776	VERDI DIVERSION DAM WASHOE P	39 31.3	H	0	0	0	0	
4	WASHOE TRUCKEE RIVER	119 57.6	OP	0	0	0	0	
CN	SIERRA PACIFIC POWER CO	1028	800.0	88.0	0	**********		
NVHSPK0775	VERDI POWER PLANT	39 31.5	H	0	0	0	0	
4	WASHOE TRUCKEE RIVER	119 58.7	OP	0	0	0	0	
CN	SIERRA PACIFIC POWER CO	994	800.0	96.0	0	**********		
NV6SPK0777	KEYSTONE RESERVOIR	39 17.9	IC	50.0	0	0	477.43	UUUUUUU
I 5	WHITE PINE GLEASON CREEK	114 58.4	IS	1500	15	137	3479.3	
NW		55	-95.2	38.9	15	137		UUUUUUUUU
	RUTH QUAD							

OREGON (OR)

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR6NPW0392	BIG TIMBER CANYON	44 46.3	H	260.0	0	0	4867.0	NNYUYUN
I 5	BAKER	117 18.0	IS	60000	17107	31395	155. 2	
NW	POWDER RIVER	1310	230.0	247.7	17107	31395		UNYUNNNUN
	SPARTA 15 MIN.							
OR5NPW0395	BOWEN	44 45.0	H	10.0	0	0	635.48	NNYUYUN
I 5	BAKER	117 50.0	IS	90	1763	7991	79.524	
NW	POWDER RIVER	290	160.0	439.5	1763	7991		UYYUNNNUN
	BOWEN VALLEY 1:24000.							
OR5NPW0401	CARSON	44 55.2	H	10.0	0	0	346.28	NNYUYUN
I 5	BAKER	117 9.3	IS	90	823	4465	77.547	
NW	PINE CREEK	26	49.0	799.2	823	4465		UNYUNNNUN
	HALFWAY 1:62500.							
OR6NPW0398	DARK CANYON	44 32.3	HI	92.0	0	0	745. 0	NNYUYUN
I 5	BAKER	117 39.9	IS	8300	760	3036	245.33	
NW	BURNT RIVER	650	100.0	80.9	760	3036		UNUUNNNUN
OR7NPW0397	DEER CREEK	44 34.3	HI	310.0	0	0	5592.0	NNYUYUN
I 5	BAKER	117 30.0	IS	47700	1923	10102	553.54	
NW	BURNT RIVER	692	105.0	549.4	1923	10102		UYYUNNNUN
	LOST BASIN 7.5 MIN.							
OR6NPW0396	DURKEE	44 34.3	H	160.0	0	0	7467.6	
I 5	BAKER	117 28.0	IS	20475	1298	6230	1198.5	
NW	BURNT RIVER	797	150.0	147.8	1298	6230		
	DURKEE 15 MIN.							
ORHNPW0404	GOODRICH DAM	44 48.7	SH	65.0	75	650	0	NNNNNNN
I 5	BAKER	118 3.5	OP	603	0	0	0	
NW	GOODRICH CREE	400	100.0	54.9	75	650		NNNNNNNUN
	CITY OF BAKER							
	ELK HORN 1:24000.							
OR5NPW0400	HALFWAY	44 52.3	H	10.0	0	0	540.57	NNYUYUN
I 5	BAKER	117 5.9	IS	90	1575	8584	62.970	
NW	PINE CREEK	75	115.0	559.4	1575	8584		UYYUNNNUN
	HALFWAY 1:62500.							
OR5NPW0390	LOWER EAGLE CREEK	44 53.0	H	10.0	0	0	704.45	NNYUYUN
I 5	BAKER	117 15.0	IS	90	1624	6534	107.80	
NW	EAGLE CREEK	156	320.0	399.6	1624	6534		UNNNNNNUN
	BAKER 1:250000.							

SITE ID / DEP ACTV CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. STATUS / AVE. Q (CFS)	DAM HT TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ORCNPW0406	MASON DAM	44 40.4	ICRD	185.0	0	0	58.876	NNNNNNN
I 5	BAKER POWDER RIVER	117 59.6	OP	100000	671	2991	19.681	
NW	DOI USBR	200	-103.7	164.8	671	2991		NNNNNNNYN
OR5NPW0389	NEW BRIDGE	44 47.9	H	10.0	0	0	728.71	NNYNYUN
I 5	BAKER EAGLE CREEK	117 11.9	IS	90	2111	8494	85.783	
NW		156	320.0	519.4	2111	8494		UYYYNNNUN
	HALFWAY 1:62500.							
OR5NPW0391	RICHLAND	44 45.0	H	10.0	0	0	747.30	
E 5	BAKER POWDER RIVER	117 12.2	IS	90	997	5728	130.46	
NW		1310	230.0	222.7	997	5728		
	HALFWAY 7.5 MIN.							
ORHNPW0388	ROCK CREEK	44 53.2	H	10.0	900	4900	0	NNNNNNN
I 5	BAKER ROCK CREEK	118 5.9	OP	5	0	0	0	
NW	CAL PAC UTIL CO		112.0	936.0	900	4900		NNNNNNNUN
OR7NPW0393	SALT CREEK	44 55.0	H	300.0	0	0	4668.5	NNYUYUN
I 5	BAKER POWDER RIVER	117 39.9	IS	463500	784	2585	1805.3	
NW		1021	180.0	339.6	784	2585		UYYUNNNUN
	BAKER 1:250000.							
ORCNPW0408	THIEF VALLEY DAM	45 0.9	I	73.0	0	0	99.559	NNNNNNN
I 2	BAKER POWDER RIVER	117 46.6	OP	26000	1397	3353	29.690	
NW	DOI USBR	760	-140.5	55.9	1397	3353		NNNNNNNYY
	TELOCASET 1:24000.							
ORCNPW0407	UNITY DAM	44 30.3	IR	83.0	0	0	5.5658	NNNNNNN
I 5	BAKER BURNT RIVER	118 11.0	OP	29300	0	4	1279.8	
NW	DOI USBR	309	82.0	60.9	0	4		NNNNNNNYN
	UNITY 1:24000.							
OR5NPW0399	WILD HORSE RAPIDS	44 51.9	H	10.0	0	0	1362.3	NNYUYUN
I 6	BAKER PINE CREEK	116 52.0	IS	90	5398	28654	47.542	
NW		185	275.0	834.1	5398	28654		UNNUNNYUY
	COPPERFIELD 1:62500.							
OR6NPP0005	NOON	44 34.3	H	195.0	0	0	2716.6	UUUUUUU
I 5	BENTON MARYS RIVER	123 24.0	IS	102000	3377	13936	194.92	
NW		97	300.0	159.8	3377	13936		UUUUUUUUU
	CORVALLIS							

SITE ID / DEP ACTV CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR7NPP2785	PEAK CREEK	44 20.9	H	225.0	0	0	3460.3	UUUUUUU
D 5	BENTON SOUTH FORK AL	123 34.6	IS	74000	7900	34500	100.29	
NW		30	90.0	385.0	7900	34500		UUUUUUUUU
	ALSEA/MONROE							
OR7NPP0006	TUM-TUM	44 35.1	IC	96.0	0	0	1564.0	UUUUUUU
D 5	BENTON TUM TUM RIVER	123 31.1	IS	40000	2200	9600	162.92	
NW		35	120.0	120.0	2200	9600		UUUUUUUUU
	MARYS PEAK							
OR4NPP0003	UDP ORU0412	44 26.0	IR	112.0	0	0	1449.2	UUUUUUU
I 5	BENTON CROOKED CREEK	123 33.0	IS	4750	1325	5804	249.70	
NW		14	78.0	111.8	1325	5804		UUUUUUUUU
	ALSEA							
OR6NPP2766	WREN	44 34.7	CI	132.0	0	0	2104.6	UUUUUUU
I 5	BENTON MARYS RIVER	123 26.4	IS	50000	4537	19732	106.65	
NW		78	155.0	119.8	4537	19732		UUUUUUUUU
	CORVALLIS/MARYS PEAK							
OR4NPP0042	BEE RANCH	44 46.9	R	106.0	0	0	2353.0	UUUUUUU
I 5	CLACKAMAS MOLALLA RIVER	122 26.0	IS	8990	5990	26100	90.155	
NW		72	370.0	105.8	5990	26100		UUUUUUUUU
	MILL CITY							
OR6NPP0012	BLAZED ALDER CREEK	45 27.0	S	160.0	0	0	1831.7	UUUUUUU
I 5	CLACKAMAS BLAZED ALDER	122 54.0	IS	15300	1500	6400	286.21	
NW		8	60.0	118.1	1500	6400		UUUUUUUUU
	HICKMAN BUTTE							
ORCNPP0057	BULL RUN DAM NUMBER 2	45 26.8	S	135.0	0	0	1005.8	NNUUUUN
I 2	CLACKAMAS BULL RUN RIVE	122 8.7	OP	23500	12000	46000	21.865	
NW	CITY OF PORTLAND	102	620.0	110.8	12000	46000		NNNNNNYYY
	CHERRYVILLE							
OR6NPP0013	CARVER	45 23.4	H	230.0	0	0	11879	YYYYUUU
D 6	CLACKAMAS CLACKAMAS RIV	122 28.9	IS	916000	114900	503300	23.602	
NW		906	3360.0	224.7	114900	503300		UYYYUUUUU
	SANDY/ESTACADA/GLADSTONE/DAM							
OR7NPP0049	CLIFF	45 12.0	H	360.0	0	0	7743.6	UNYYUUU
D 6	CLACKAMAS CLACKAMAS RIV	122 13.4	IS	202500	68798	435920	17.763	
NW		625	2360.0	399.6	68798	435920		UUYUYUYUY
	FISH CREEK/CULTON							

SITE ID / DEP CODE / POWER AREA	ACTV / INV	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR5NPP0014		COLLAWASH	45 1.5	H	10.0	0	0	3563.1	UUUUUUU
D	5	CLACKAMAS	122 3.5	IS	1	7652	66968	53,206	
NW		CLACKAMAS RIV	240	835.0	599.4	7652	66968		UUUUUUUUU
		BATTLE AX/FISH CREEK/HIGH RO							
OR5NPP0015		DICKEY	45 5.9	H	5.0	0	0	2553.0	UUUUUUU
D	5	CLACKAMAS	122 31.5	IS	1	8058	57952	44. 54	
NW		MOLALLA RIVER	188	1040.0	179.8	8058	57952		UUUUUUUUU
		WILHOIT/MOLLALA							
OR7NPP0030		DICKEY BRIDGE	45 8.0	HIC	130.0	0	0	5153.5	UUUUUUU
E	5	CLACKAMAS	122 32.7	IS	79500	13351	90832	56.736	
NW		MOLALLA RIVER	206	800.0	228.7	13351	90832		UUUUUUUUU
		MOLALLA/WILHOIT/COLTON							
OR7NPP0016		EAGLE CREEK	45 20.5	H	155.0	0	0	2742.1	UUUUUUU
D	5	CLACKAMAS	122 20.0	IS	22000	7400	32500	84,372	
NW		EAGLE CREEK/C	79	305.0	294.7	7400	32500		UUUUUUUUU
		ESTACADA							
ORHNPP0063		FARADAY DAM	45 16.1	H	67.5	34500	180000	1327.7	NNUYUUN
I	6	CLACKAMAS	122 19.0	OP	560	10000	52200	25.436	
NW		CLACKAMAS RIV	665	2675.0	123.1	44500	232200		NNNNNNNNY
		PORTLAND GENERAL ELECT.							
		ESTACADA							
OR7NPP0017		FISCHERS MILL	45 19.9	H	185.0	0	0	4482.6	UUUUUUU
D	5	CLACKAMAS	122 26.4	IS	189000	12800	55900	80,190	
NW		CLEAR CREEK	60	210.0	400.0	12800	55900		UUUUUUUUU
		REDLAND/OREGON CITY/GLADSTON							
OR5NPP0031		FISH CREEK	45 9.6	H	70.0	0	0	3836.7	UNYYYUU
E	6	CLACKAMAS	122 8.6	IS	4500	27000	140000	27,405	
NW		CLACKAMAS RIV	479	2280.0	232.7	27000	140000		UYYUUUYUU
		FISH CREEK MTN							
OR6NPP0018		FOUR HUNDRED	45 0.7	HC	475.0	0	0	8943.2	UNYYYUU
E	2	CLACKAMAS	122 28.9	IS	700000	38000	134000	66,740	
NW		MOLALLA RIVER	97	545.0	469.5	38000	134000		UYYUUUUUU
		COLTON/MILL CITY							
ORHNPP0060		FROG LAKE DAM (OAK GROVE DIV	45 5.3	H	65.0	51000	245000	2196.2	NNUYYUN
D	6	CLACKAMAS	122 3.1	OP	460	25000	120100	18,286	
NW		CLACKAMAS RIV	131	525.0	889.4	76000	365100		UNNNNNYNY
		PORTLAND GENERAL ELECT.							
		HIGH ROCK/FISH CREEK MOUNTAI							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR6NPP0021	GLEN AVON	45 5.5	H	205.0	0	0	5764.6	UUUUUUU
E 5	CLACKAMAS MOLALLA RIVER	122 30.0	IS	77000	21557	102484	56.249	
NW		188	1040.0	199.8	21557	102484		UUUUUUUUU
	COLTON/WILHOIT							
OR5NPP0050	HENRY CREEK	45 20.5	H	20.0	0	0	945.27	UUUUUUU
I 5	CLACKAMAS ZIGZAG RIVER	121 54.9	IS	100	4066	25952	36.423	
NW		14	80.0	929.0	4066	25952		UUUUUUUUU
	RHODODENDRON/GOVERNMENT CAMP							
ORGNPP0056	LAKE OSWEGO CORP HYDRO	45 24.6	H	26.0	400	1700	382.15	UNYYUUU
I 6	CLACKAMAS OSWEGO CREEK	122 39.8	OP	7000	5850	25600	14.927	
NW	LAKE OSWEGO CORPORATION	11200	1480.0	51.0	6250	27300		UNNNUUYUY
	LAKE OSWEGO							
ORJNPP0059	LAKE ROSLYN DAM (BULL RUN)	45 25.4	H	45.0	21000	141000	0	UUUUUUU
I 5	CLACKAMAS SANDY R.OFFST	122 14.5	OP	2011	0	0	0	
NW	PORTLAND GENERAL ELECTRIC	285	1490.0	326.7	21000	141000		UUUUUUUUU
	CHERRYVILLE							
OR7NPP0024	LINNEY	45 15.0	H	160.0	0	0	2659.4	UYYYYUU
I 6	CLACKAMAS SALMON RIVER	121 54.0	IS	20000	18600	124000	21.447	
NW		53	205.0	819.1	18600	124000		UUUUYYYUU
	HIGH ROCK/RHODODENDRON							
OR6NPP2742	LOWER AUSTIN POINT	45 1.7	C	460.0	0	0	12687	UNYYYUU
E 2	CLACKAMAS CLACKAMAS RIV	122 3.4	IS	550000	103400	452900	28. 14	
NW		314	1479.0	454.5	103400	452900		UUUUUUYUU
	FISH CREEK MTN/HIGH ROCK/BAT							
OR4NPP0010	LOWER CLACKAMAS	45 23.4	H	26.0	0	0	9371.9	UYUUUUU
E 6	CLACKAMAS CLACKAMAS RIV	122 26.0	IS	180	72000	330000	28.399	
NW		842	3200.0	179.8	72000	330000		UUUUUUUUU
	ESTACADA/REDLAND/SANDY/DAMAS							
OR7NPP0009	LOWER CLACKAMAS/CLEAR CREEK	45 23.4	H	115.0	0	0	8055.7	UYYYYUU
E 6	CLACKAMAS CLACKAMAS RIV	122 26.0	IS	60000	95000	438000	18.392	
NW		671	2000.0	239.7	95000	438000		UYYYUUUUY
	REDLAND/ESTACADA/DAMASCUS							
OR5NPP0025	MARMOT	45 22.5	H	40.0	0	0	4378.2	UYYYUUU
I 6	CLACKAMAS SANDY RIVER	122 6.4	IS	680	34981	257303	17. 15	
NW		262	1092.0	599.4	34981	257303		UUYUUYUUY
	RHODODENDRON/CHERRYVILLE							

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ORINPP0062	NORTH FORK DAM	45 14.4	H	150.0	38400	213000	1355.5	UUUUUUU
I 2	CLACKAMAS CLACKAMAS RIV	122 16.9	OP	21000	16000	88800	15.264	
NW	PORTLAND GENERAL ELECT	665	2675.0	143.0	54400	301800		UUUUUUUUY
	COLTON/FISH CREEK MOUNTAIN							
OR6NPP0027	NORTH FORK	45 4.9	HCI	380.0	0	0	11017	UNYYYUU
E 2	CLACKAMAS MOLALLA RIVER	122 28.9	IS	338000	48000	167000	65.974	
NW		191	676.0	289.7	48000	167000		UYYUUUUUU
	COLTON/MILL CITY							
OR5NPP0052	NOWHERE MEADOWS (DIVERSION)	45 6.5	H	40.0	0	0	3449.7	UNYYYUU
E 6	CLACKAMAS CLACKAMAS RIV	122 3.9	IS	1000	21776	162426	21.238	
NW		306	1070.0	359.6	21776	162426		UUUUUUYUU
	FISH CREEK MTN							
OR6NPP0051	NOWHERE MEADOWS (RESERVOIR)	45 4.9	HCS	245.0	0	0	7681.9	UNYYYUU
D 6	CLACKAMAS CLACKAMAS RIV	122 4.0	IS	171500	109400	479300	16. 27	
NW		466	1500.0	219.7	109400	479300		UUYUYUYUY
	FISH CREEK MTN							
OR5NPP0053	OLD MAID FLAT	45 22.4	H	50.0	0	0	1251.9	UUUUUUU
D 5	CLACKAMAS SANDY RIVER	122 53.5	IS	270	3060	19533	64. 89	
NW		14	80.0	699.3	3060	19533		UUUUUUUUU
	BULL RUN LAKE/RHODODENDRON/G							
OR6NPP0011	PELKEY	45 0.0	HCI	375.0	0	0	7883.1	UNYYYUU
E 2	CLACKAMAS MOLALLA	122 28.9	IS	245000	81751	98039	80.408	
NW		93	520.0	299.7	81751	98039		UYYYUUUUU
	MILL CITY							
OR6NPP0040	PINE CREEK	45 0.5	H	295.0	0	0	6606.2	UUUUUUU
E 5	CLACKAMAS MOLALLA RIVER	122 28.9	IS	132000	21101	67452	97.939	
NW		97	540.0	229.7	21101	67452		UUUUUUUUU
	COLTON/MILL CITY							
ORINPP0064	RIVER MILL DAM	45 17.9	H	85.0	19050	104500	467.23	NNUYUUN
I 6	CLACKAMAS CLACKAMAS RIV	122 21.2	OP	12200	4000	21600	21.631	
NW	PORTLAND GENERAL ELECT	671	2700.0	73.2	23050	126100		NNNNNNNNY
	ESTACADA							
OR5NPP0037	SHELLROCK (HIGH ROCK)	45 4.9	H	25.0	0	0	1700.3	UNUUYUU
E 2	CLACKAMAS OAK GROVE FOR	121 51.3	IS	200	6756	59123	28.759	
NW		69	165.0	926.0	6756	59123		UUUUUUYUU
	HIGH ROCK							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST / ENERGY COST ($/MWH) (1000 $)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR5NPP0041	SOUTH FORK	45 11.0	H	10.0	0	0	3793.5	UNYYYUU
E 6	CLACKAMAS CLACKAMAS RIV	122 12.5	IS	135	25581	177189	21.409	
NW		581	2360.0	199.8	25581	177189		UUUUUUYUU
	FISH CREEK MTN							
ORGNPP0007	SULLIVAN	45 21.9	H	30.0	15400	80000	0	UUUUUUU
I 5	CLACKAMAS WILLAMETTE RI	122 37.9	OP	2	0	0	0	
NW	PORTLAND GENERAL ELE CO	10100	23810.0	8.3	15400	80000		UUUUUUUUU
	OREGON CITY							
OR6NPP2793	SWIMMING HOLE-SANDY BRANCH	45 27.0	H	90.0	0	0	3225.2	UYUUUUU
I 6	CLACKAMAS SANDY RIVER	122 13.9	IS	9630	17554	82406	39.138	
NW		440	2356.0	84.9	17554	82406		UYYYUUUUU
	CHERRYVILLE/SANDY							
OR6NPP0055	THREE HUNDRED	45 0.9	H	450.0	0	0	11168	UUUUUUU
E 5	CLACKAMAS MOLALLA RIVER	122 28.9	IS	560000	121263	145940	76.527	
NW		93	520.0	444.5	121263	145940		UUUUUUUUU
	COLTON/MILL CITY							
ORCNPP0061	TIMOTHY LAKE DAM	45 6.5	HR	110.0	0	0	282. 2	NNYUYUN
I 2	CLACKAMAS OAK GROVE FOR	121 48.2	OP	68000	2421	12743	22.130	
NW	PORTLAND GENERAL ELECT	54	116.0	96.9	2421	12743		UNNNNNYNY
	HIGH ROCK							
OR6NPP0043	UDP URU0534	45 16.9	H	235.0	0	0	2397.5	UUUUUUU
I 5	CLACKAMAS EAGLE CREEK	122 11.0	IS	23500	4800	21000	114.16	
NW		28	134.0	173.5	4800	21000		UUUUUUUUU
	CHERRYVILLE							
OR6NPP0038	UPPER AUSTIN POINT	45 1.1	HCSR	405.0	0	0	4717.4	UNYYYUU
D 6	CLACKAMAS COLLAWASH RIV	122 3.8	IS	220000	18868	83079	56.782	
NW		152	640.0	219.7	18868	83079		UUYUYNYNY
	FISH CREEK MTN/BATTLE AX							
OR6NPP2715	UPPER PELKEY	45 0.0	IH	365.0	0	0	6699.5	UNYYYUU
D 6	CLACKAMAS MOLALLA RIVER	122 28.9	IS	155000	98101	117551	56.992	
NW		93	520.0	359.6	98101	117551		UYYUNNNNY
	MILL CITY							
OR7NPP0028	WELCHES	45 15.0	H	200.0	0	0	3677.9	UUUUUUU
D 5	CLACKAMAS SALMON RIVER	121 43.0	IS	20740	9800	64000	57.468	
NW		78	320.0	349.6	9800	64000		UUUUUUUUU
	RHODODENDRON							

SITE ID / DEP ACTV CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ORHNPP2768	WEST LINN	45 20.9	H	0	13900	30000	0	UUUUUUU
I 5	CLACKAMAS WILLAMETTE RI	122 36.7	OP	0	0	0	0	
NW	CROWN-ZELLERBACH CORP	10100	0	43.0	13900	30000		UUUUUUUUU
	OREGON CITY							
ORGNPP0065	WILLAMETTE FALLS DAM (OREGON	45 20.9	H	30.0	1500	6900	0	UUUUUUU
I 5	CLACKAMAS WILLAMETTE RI	122 36.7	OP	100	0	0	0	
NW	PUBLISHERS PAPER CO	10100	30750.0	45.0	1500	6900		UUUUUUUUU
	OREGON CITY							
OR5NPP0039	ZIGZAG	45 20.9	H	10.0	0	0	2144.6	UUUUUUU
I 5	CLACKAMAS SANDY RIVER	121 56.9	IS	38	4008	34821	61.589	
NW		185	970.0	249.7	4008	34821		UUUUUUUUU
	RHODODENDRON							
OR4NPP2691	BIG CREEK	46 4.7	S	60.0	0	0	901.57	UUUUUUU
I 5	CLATSOP BIG CREEK	123 31.0	IS	1500	1100	4800	187.82	
NW		23	120.0	59.9	1100	4800		UUUUUUUUU
	SVENSEN							
OR6NPP0069	ELSIE (PLAN A)	45 51.5	H	210.0	0	0	9367.3	UUUUUUU
E 5	CLATSOP NEHALEM RIVER	123 33.0	IS	1500000	25000	130000	72. 56	
NW		498	1575.0	159.8	25000	130000		UUUUUUUUU
	SADDLE M/BIRKENFELD/CATHLAME							
OR6NPP2704	FISHHAWK CREEK	46 2.9	H	235.0	0	0	2228.3	UUUUUUU
D 5	CLATSOP FISHHAWK CREE	123 20.2	IS	45000	1000	4600	484.42	
NW		11	40.0	164.8	1000	4600		UUUUUUUUU
	CATHLAMET							
OR7NPP0075	GODS VALLEY	45 47.9	H	160.0	0	0	2616.9	UNYYYUU
I 6	CLATSOP NORTH FORK NE	123 47.4	IS	75000	15700	68600	38.147	
NW		45	303.0	339.6	15700	68600		UYUUNNNNY
	CANNON BEACH/SADDLE MT							
OR6NPP0066	N=1	45 51.9	H	100.0	0	0	6828.1	UUUUUUU
D 5	CLATSOP NEHALEM RIVER	123 33.9	IS	300000	27000	120000	56.901	
NW		498	1808.0	73.8	27000	120000		UUUUUUUUU
	SADDLE MTN/BIRKENFELD							
OR6NPP0067	N=2	45 50.5	RICH	150.0	0	0	9090.2	YNYYYUU
E 6	CLATSOP NEHALEM RIVER	123 35.0	IS	400000	44000	194000	46.856	
NW		535	1946.0	73.4	44000	194000		UYYYUUUUU
	SADDLE MTN/BIRKENFELD							

SITE ID / DEP / ACTV / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) / (D M,M) / (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) / (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) / (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) / (MWH)	ANUL. COST / ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR6NPP0072	SALMONBERRY	45 45.5	H	100.0	0	0	3600.4	UUUUUUU
D 5	CLATSOP NEHALEM RIVER	123 38.5	IS	16000	20000	84900	42.408	
NW		573	2018.0	99.9	20000	84900		UUUUUUUUU
	SADDLE MOUNTAIN							
OR6NPP0073	SPRUCE RUN	45 47.9	H	90.0	0	0	3329.5	UUUUUUU
D 5	CLATSOP NEHALEM RIVER	123 37.9	IS	25500	17000	73000	45.610	
NW		549	1877.0	89.9	17000	73000		UUUUUUUUU
	SADDLE MOUNTAIN							
OR6NPP0074	SQUAW CREEK	45 58.0	H	150.0	0	0	6535.8	UUUUUUU
I 5	CLATSOP NEHALEM RIVER	123 26.0	IS	700000	25000	110000	59.416	
NW		398	1098.0	118.8	25000	110000		UUUUUUUUU
	BIRKENFELD/CATHLAMET/VERNONI							
OR6NPP0077	ROCKY POINT CLEAR CREEK	45 47.9	HCISO	133.0	0	0	2351.5	UNYYYUU
I 6	COLUMBIA NEHALEM RIVER	123 13.9	IS	114000	4500	19800	118.76	
NW		70	236.0	129.8	4500	19800		UYYYUUUUY
	BIRKENFELD/TIMBER							
OR6NPP0083	ALLEGANY	43 25.0	HCIRO	254.0	0	0	8779.6	YNYYYUU
I 6	COOS MILLICOMA RIV	124 2.4	IS	500000	74232	93837	93.562	
NW		138	815.0	248.7	74232	93837		UYUYYUUUU
	IVERS PEAK/ALLEGANY							
OR6NPP0079	ASH SWAMP	42 46.9	H	160.0	0	0	1520.0	UUUUUUU
I 5	COOS SOUTH FORK CO	124 3.0	IS	62000	2600	11500	132.17	
NW		29	108.0	117.8	2600	11500		UUUUUUUUU
	BONE MOUNTAIN							
OR6NPP0092	BALD HILL	43 4.5	H	145.0	0	0	5749.0	UUUUUUU
I 5	COOS NORTH FORK CO	124 5.9	IS	610000	21359	71062	80.901	
NW		284	945.0	139.8	21359	71062		UUUUUUUUU
	BRIDGE/MCKENLEY/DANIELS/SITK							
OR6NPP0094	BREWSTER VALLEY-SITKUM LOWER	43 9.0	CH	130.0	0	0	3599.4	UUUUUUU
E 5	COOS EAST FORK COQ	123 55.5	IS	100000	4200	18600	193.51	
NW		85	279.0	99.9	4200	18600		UUUUUUUUU
	SITKUM							
OR7NPP0093	BREWSTER VALLEY (DIVERSION)	43 9.0	H	140.0	0	0	2355.2	UNYYYUU
D 2	COOS EAST FORK COQ	123 55.5	IS	75000	17500	76700	30.706	
NW		83	235.0	490.0	17500	76700		UYYYNNYNY
	SITKUM							

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OR6NPP2699	CEDAR CREEK	43 19.1	H	100.0	0	0	2239.5	UUUUUUU
I 5	COOS WILLIAMS RIVE	123 46.5	IS	22800	8400	36800	60.858	
NW		98	552.0	99.9	8400	36800		UUUUUUUUU
	TYEE							
OR6NPP2700	COAL CREEK	42 47.3	H	215.0	0	0	3397.1	UUUUUUU
I 5	COOS SOUTH FORK CO	124 1.5	IS	48000	17234	42681	79.593	
NW		93	514.0	209.7	17234	42681		UUUUUUUUU
	POWERS							
OR7NPP2629	DELLWOOD	43 21.9	H	292.0	0	0	5217.9	UUUUUUU
I 5	COOS SOUTH FORK CO	123 56.9	IS	180000	12848	67892	76.855	
NW		210	1210.0	409.5	12848	67892		UUUUUUUUU
	IVERS PEAK/DANIELS CREEK							
OR6NPP0082	FAIRVIEW	43 8.0	H	250.0	0	0	6948.5	UUUUUUU
D 5	COOS NORTH FORK CO	124 7.0	IS	1500000	14700	64300	108. 6	
NW		143	483.0	199.8	14700	64300		UUUUUUUUU
	MCKINLEY/DANIELS CR/SITKUM/C							
OR6NPP2798	GLENN CREEK	43 26.4	CH	200.0	0	0	3476.7	UUUUUUU
E 5	COOS EAST FORK MIL	123 58.0	IS	80000	5000	22100	157.32	
NW		67	166.0	199.8	5000	22100		UUUUUUUUU
	IVERS PEAK							
OR6NPP2717	IVERS PEAK	43 26.4	H	195.0	0	0	3954.0	UUUUUUU
D 5	COOS EAST FORK MIL	123 58.0	IS	368000	9800	43100	91.740	
NW		67	166.0	389.6	9800	43100		UUUUUUUUU
	IVERS PEAK							
OR6NPP2737	LAVERNE,LOWER	43 15.0	H	125.0	0	0	1446.5	UUUUUUU
I 5	COOS NORTH FORK CO	124 1.9	IS	32000	2500	10800	133.94	
NW		40	130.0	124.8	2500	10800		UUUUUUUUU
	DANIELS CREEK/IVERS PEAK							
OR6NPP2738	LAVERNE,UPPER	43 18.5	H	160.0	0	0	2364.1	UUUUUUU
I 5	COOS NORTH FORK CO	124 4.9	IS	22000	1900	8200	288.31	
NW		23	77.0	159.8	1900	8200		UUUUUUUUU
	DANIELS CREEK/IVERS PEAK							
OR6NPP2740	LOCKHART	42 44.4	H	125.0	0	0	1548.3	UUUUUUU
I 5	COOS SOUTH FORK CO	124 1.0	IS	7500	3100	13700	113. 1	
NW		42	165.0	124.8	3100	13700		UUUUUUUUU
	AGNESS/MARIAL/BONE MOUNTAIN							

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	NAME OF STREAM	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR6NPP2744	LOWER FLASH DAM		43 20.9	H	100.0	0	0	2696.9	UNYYYUU
E 2	COOS	SOUTH FORK CO	123 54.4	IS	16000	16000	69900	38.582	
NW			207	1050.0	99.9	16000	69900		UUYUUUUUU
	IVERS PEAK								
OR4NPP2728	MYRTLE CREEK,UPPER		42 57.6	H	115.0	0	0	1384.1	UUUUUUU
I 5	COOS	ROCK CREEK	123 56.9	IS	8500	2300	10000	138.41	
NW			33	130.0	114.8	2300	10000		UUUUUUUUU
	BONE MOUNTAIN								
OR6NPP0088	MYRTLE CREEK LOWER (MYRTLE C		43 0.0	IR	50.0	0	0	1025.4	UUUUUUU
D 5	COOS	MYRTLE CREEK	124 0.0	IS	4500	1400	6200	165.40	
NW			70	185.0	29.9	1400	6200		UUUUUUUUU
	BONE MOUNTAIN/POWERS								
OR5NPP0080	PANTHER CREEK		42 58.0	H	20.0	0	0	1307.0	UNYYYUU
I 2	COOS	MIDDLE FORK C	123 50.0	IS	370	10800	47500	27.516	
NW			47	115.0	619.3	10800	47500		UYYUNNYNY
	DUTCHMAN BUTTE/BONE MTN								
OR7NPP0115	POWERS		42 52.5	H	245.0	0	0	3987.6	UUUUUUU
I 5	COOS	SOUTH FORK CO	124 3.9	IS	34900	4664	26127	152.62	
NW			124	784.0	319.6	4664	26127		UUUUUUUUU
	POWERS								
OR6NPP0078	ROCK CREEK		42 58.0	CIR	82.0	0	0	1061.9	UUUUUUU
I 5	COOS	ROCK CREEK	123 58.0	IS	8050	1814	7950	133.57	
NW			37	146.0	60.9	1814	7950		UUUUUUUUU
	BONE MOUNTAIN								
OR6NPP2774	SITCUM, UPPER		43 7.8	H	182.0	0	0	3150.9	UUUUUUU
I 5	COOS	EAST FORK COO	123 52.0	IS	42000	5000	22100	142.57	
NW			52	182.0	181.8	5000	22100		UUUUUUUUU
	SITKUM								
OR6NPP0095	SUGARLOAF MOUNTAIN		43 0.9	H	165.0	0	0	5785.5	UNYYYUU
I 6	COOS	MIDDLE FORK C	124 5.0	IS	150000	70905	122786	47.118	
NW			305	745.0	159.8	70905	122786		UYYYNNYNY
	BRIDGE/SITKUM/BONE MOUNTAIN/								
OR4NPP2759	TIDEWATER		43 22.1	H	50.0	0	0	1772.2	UUUUUUU
I 5	COOS	SOUTH FORK CO	124 56.9	IS	2000	8100	35600	49.782	
NW			212	1070.0	49.9	8100	35600		UUUUUUUUU
	IVERS PEAK								

SITE ID / DEP ACTV CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. STATUS / AVE. Q (CFS)	DAM HT TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR6NPP0090	TIOGA FORK	43 18.9	HCIRO	300.0	0	0	4992.0	UNYYYUU
E 6	COOS SOUTH FORK OF	123 48.9	IS	200000	20000	100000	49.920	
NW		165	945.0	299.7	20000	100000		UUYUUUUUU
	IVERS PEAK/TYEE							
OR6NPP0089	TIOGA (FALL CREEK)	43 21.1	CH	300.0	0	0	5857.7	UNYYYUU
D 6	COOS SOUTH FORK CO	123 49.6	IS	330000	44000	192900	30.366	
NW		191	966.0	231.7	44000	192900		UUYUNNYNY
	IVERS PEAK/TYEE							
OR6NPP2762	WEEKLY CREEK	43 7.1	H	120.0	0	0	3044.2	UUUUUUU
I 5	COOS EAST FORK COQ	124 2.3	IS	145000	7300	32000	95.132	
NW		140	400.0	119.8	7300	32000		UUUUUUUUU
	BRIDGE/MCKINLEY/SITKUM							
OR6NPP0091	WHOBREY MOUNTAIN	42 58.0	H	155.0	0	0	3692.9	UUUUUUU
D 5	COOS SOUTH FORK CO	124 7.0	IS	125000	14962	53414	69.138	
NW		214	975.0	149.8	14962	53414		UUUUUUUUU
	POWERS							
OR5NPP0116	12 RC NO 6A	43 9.0	H	10.0	0	0	2049.1	UUUUUUU
I 5	COOS EAST FORK COQ	123 53.3	IS	60	7400	60000	34.153	
NW		85	235.0	400.0	7400	60000		UUUUUUUUU
	SITKUM							
ORCNPP0121	ARTHUR R BOWMAN(PRINEVILLE R	44 6.7	ICR	240.0	0	0	1264.6	NNYUUUN
I 2	CROOK CROOKED RIVER	120 46.8	OP	243000	22211	63675	19.861	
NW	DOI USBR	2700	370.0	135.8	22211	63675		UNNNNNYYY
	POWELL BUTTES/EAGLE ROCK							
OR6NPP2677	FIR TREE	44 16.1	I	230.0	0	0	2981.8	UUUUUUU
D 5	CROOK NORTH FORK CR	120 5.9	IS	76000	3800	16500	180.71	
NW		276	200.0	214.7	3800	16500		UUUUUUUUU
	KEYS CREEK							
ORCNPP0119	OCHOCO DAM	44 17.9	IC	125.0	0	0	168.64	NNYYUUN
I 2	CROOK OCHOCO CREEK	120 43.4	OP	48000	1190	5200	32.432	
NW	DOI USBR	300	60.0	96.9	1190	5200		UNNNNNYNY
	OCHOCO RESERVIOR							
OR6NPP2801	POST	44 6.5	CI	155.0	0	0	3718.7	UIIUUUU
I 5	CROOK CROOKED RIVER	120 15.4	IS	372000	1596	8418	441.74	
NW		2160	337.0	107.8	1596	8418		UUUUUUUUU
	POST/BEND (1:250,000)							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. -NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
OR6NPP0122	AVERY RANCH	42 47.9	CIR	110.0	0	0	1202.9	UUUUUUU
I 5	CURRY SIXES RIVER	124 14.5	IS	31490	2710	11900	101. 8	
NW		39	162.0	80.9	2710	11900		UUUUUUUUU
	POWERS							
OR6NPP0139	BEAVER CREEK	42 48.5	H	145.0	0	0	3329.4	UUUUUUU
I 5	CURRY SIXES RIVER	124 28.0	IS	100000	22371	40416	82.377	
NW		116	550.0	139.8	22371	40416		UUUUUUUUU
	LANGLOIS							
OR6NPP0125	BOULDER CREEK	42 16.9	H	405.0	0	0	6975.1	YNYYUUU
D 6	CURRY CHETCO RIVER	124 3.0	IS	181300	52300	229000	30.459	
NW		157	860.0	399.6	52300	229000		UUUUUUUUU
	COLLIER BUTTE/PEARSOLL PEAK							
OR6NPP0308	BUZZARDS ROOST	42 34.5	HCIRO	560.0	0	0	13698	UYYYUUU
D 6	CURRY ILLINOIS RIVE	124 3.0	IS	915000	250000	767000	17.859	
NW		946	4300.0	299.7	250000	767000		UUUUUYUUU
	COLLIER BUTTE/MARIAL/PEARSOL							
OR5NPP0148	CHETCO RIVER INTERMEDIATE (P	42 14.8	H	60.0	0	0	3051.5	YYUUUUU
S 6	CURRY CHETCO RIVER	124 7.5	IS	2100	43000	70000	43.593	
NW		174	860.0	230.0	43000	70000		UUUUUYUUU
	COLLIER BUTTE/MT EMILY							
OR5NPP0150	CHETCO RIVER UPPER (CHETO R	42 17.9		85.0	0	0	4615.3	UUUUUUU
S 5	CURRY CHETCO RIVER	124 5.9		2800	42000	78800	58.570	
NW		92	860.0	325.0	42000	78800		UUUUUUUUU
	COLLIER BUTTE/PEARSOLL PEAK							
OR6NPP2668	CHETCO RIVER LOWER (CHETO R	42 3.9	H	255.0	0	0	10863	UUUUUUU
S 5	CURRY CHETCO RIVER	124 13.0	IS	490000	102933	187821	57.841	
NW		346	1900.0	158.8	102933	187821		UUUUUUUUU
	MT EMILY/CAPE FERRELO							
OR6NPP0128	COPPER CANYON	42 32.9	H	455.0	0	0	27934	UYYYUUU
I 6	CURRY ROGUE RIVER	124 6.4	IS	2600000	718000	3140000	8.8962	
NW		4975	10500.0	449.5	718000	3140000		UUUUUUUUU
	PEARSOLL PEAK/COLLIER BUTTE/							
OR4NPP0129	CREW CANYON	42 33.9	CIR	86.0	0	0	916.10	UUUUUUU
I 5	CURRY EUCHRE CREEK	124 21.4	IS	5190	1100	4800	190.85	
NW		21	84.0	85.9	1100	4800		UUUUUUUUU
	PORT ORFORD							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. -NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)				SOCIAL
POWER AREA		(SQ MI)	(CFS)	(FT)	(KW)	(MWH)	($/MWH)	IMPACT CODE
OR7NPP0142	DEVILS STAIRS	42 31.9	H	155.0	0	0	7234.4	YYYYUUU
I 6	CURRY ROGUE RIVER	124 6.4	IS	39500	96038	531959	13.599	
NW		3900	6275.0	209.7	96038	531959		UYUUUUUUU
	MARIAL							
OR6NPP0140	ELEPHANT ROCK	42 46.9	H	165.0	0	0	2536.9	UUUUUUU
I 5	CURRY SIXES RIVER	124 20.9	IS	41300	7500	33000	76.878	
NW		65	310.0	159.8	7500	33000		UUUUUUUUU
	LANGLOIS/PUWERS							
OR4NPP2684	ELK RIVER, INTERMEDIATE	42 42.6	H	100.0	0	0	1179.8	UUUUUUU
I 5	CURRY ELK RIVER	124 22.0	IS	3500	1224	5779	204.16	
NW		54	294.0	99.9	1224	5779		UUUUUUUUU
	PORT ORFORD							
OR6NPP2703	ELK RIVER, LOWER	42 45.5	H	160.0	0	0	2787.4	UUUUUUU
I 5	CURRY ELK RIVER	124 26.9	IS	54000	4184	17126	162.75	
NW		79	452.0	154.8	4184	17126		UUUUUUUUU
	LANGLOIS/PURT ORFORD							
OR6NPP2777	ELK RIVER, UPPER	42 42.6	H	295.0	0	0	3255.4	UUUUUUU
I 5	CURRY ELK RIVER	124 17.5	IS	115000	8000	26300	123.78	
NW		25	136.0	289.7	8000	26300		UUUUUUUUU
	PORT ORFORD/AGNESS							
OR4NPP0130	FLORAS CREEK	42 55.4	CIR	69.0	0	0	1076.7	UNYYYUU
I 6	CURRY FLORAS CREEK	124 22.5	IS	1650	2200	9400	114.54	
NW		50	204.0	68.9	2200	9400		UYYYNNNNY
	LANGLOIS							
OR6NPP0123	GOLD BEACH	42 27.4	HCRIO	70.0	0	0	5223.3	UYUUUUU
I 6	CURRY ROGUE RIVER	124 22.5	IS	65000	17566	133965	38.990	
NW		5145	11000.0	60.9	17566	133965		UYYUUUUUU
	GOLD BEACH/PORT ORFORD/AGNES							
OR7NPP0143	LANGLOIS	42 54.4	H	205.0	0	0	2310.1	UUUUUUU
I 5	CURRY FLORAS CREEK	124 24.4	IS	32000	12000	52700	43.835	
NW		51	220.0	360.0	12000	52700		UUUUUUUUU
	LANGLOIS							
OR4NPP0124	NORTH FORK FLORAS CREEK LOWE	42 55.0	CIR	55.0	0	0	853.39	UUUUUUU
I 5	CURRY NORTH FORK FL	124 20.0	IS	1160	1430	6270	136.10	
NW		42	171.0	54.9	1430	6270		UUUUUUUUU
	LANGLOIS							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
OR6NPP0126	PISTOL	42 16.5	H	205.0	0	0	3528.4	UUUUUUU
I 5	CURRY PISTOL RIVER	124 20.0	IS	32500	16400	71900	49. 74	
NW		98	540.0	199.8	16400	71900		UUUUUUUUU
	GOLD BEACH							
OR6NPP0127	REDWOOD	42 10.0	H	332.0	0	0	9144.5	UYYYYUU
I 6	CURRY CHETCO RIVER	124 7.9	IS	448900	68800	301200	30.360	
NW		264	1450.0	311.6	68800	301200		UYYUNYNNY
	MT. EMILY/COLLIER BUTTE/COAS							
OR6NPP2765	WINCHUCK	42 1.9	H	175.0	0	0	2565.5	UUUUUUU
I 5	CURRY WINCHUCK RIVE	124 26.9	IS	78900	7000	30600	83.840	
NW		54	270.0	169.8	7000	30600		UUUUUUUUU
	MT. EMILY							
OR4NPP0138	WINCHUCK RIVER	42 0.9	R	84.0	0	0	933.97	UUUUUUU
I 5	CURRY WINCHUCK RIVE	124 7.0	IS	6580	1100	4800	194.57	
NW		21	86.0	83.9	1100	4800		UUUUUUUUU
	MT. EMILY							
OR6NPP2674	AUBREY FALLS	44 10.8	I	65.0	0	0	1536.6	UUUUUUU
D 5	DESCHUTES DESCHUTES RIV	121 18.4	IS	14250	3929	18331	83.821	
NW		1950	625.0	64.9	3929	18331		UUUUUUUUU
	TUMALO							
ORGNPP0162	BEND POWER DAM	44 3.7	H	14.0	1100	6300	0	UUUUUUU
I 5	DESCHUTES DESCHUTES RIV	121 18.8	IS	100	0	0	0	
NW	PACIFIC POWER + LIGHT	1869	585.0	14.9	1100	6300		UUUUUUUUU
	BEND							
OR7NPP0155	BENHAM FALLS	43 56.0	IHCR	50.0	0	0	5851.1	UUUUUUU
D 5	DESCHUTES DESCHUTES RIV	121 24.0	IS	442500	10606	41651	140.48	
NW		1759	1290.0	144.8	10606	41651		UUUUUUUUU
	BENHAM FALLS/FINLEY B/ANNS B							
OR5NPP0157	CENTRAL CANAL	44 2.5	H	25.0	0	0	1630.5	UUUUUUU
I 5	DESCHUTES DESCHUTES RIV	121 20.0	IS	40	5792	31218	52.230	
NW		1835	575.0	149.8	5792	31218		UUUUUUUUU
	BEND							
ORGNPP0154	CLINE FALLS	44 15.0	IH	35.0	1000	5300	1675.2	NYYUUUN
I 2	DESCHUTES DESCHUTES RIV	121 14.5	IS	190	19700	86300	19.411	
NW	PACIFIC POWER AND LIGHT	2080	480.0	269.7	20700	91600		UNNNNYYNY
	CLINE FALLS							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. -NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
ORCNPP0161	CRANE PRAIRIE DAM	43 45.3	IR	36.0	0	0	623.2	NNUUUUN
S 2	DESCHUTES DESCHUTES RIV	121 47.0	OP	55300	5300	23290	26.750	
NW	DOI USBR	254	330.0	22.4	5300	23290		NNNNNNYNY
	CRANE PRAIRIE RESERVOIR/DAVI							
OR4NPP0158	DILLON FALLS	43 58.2	H	65.0	0	0	1450.1	UUUUUUU
E 5	DESCHUTES DESCHUTES RIV	121 24.8	IS	8200	1511	9169	158.15	
NW		1759	1290.0	64.9	1511	9169		UUUUUUUUU
	BENHAM FALLS							
OR5NPP0156	LAVA ISLAND	43 59.4	H	10.0	0	0	2775.8	UUUUUUU
D 5	DESCHUTES DESCHUTES RIV	121 22.5	IS	1	17482	65644	42.285	
NW		1759	1290.0	224.7	17482	65644		UUUUUUUUU
	BENHAM FALLS							
ORCNPP0160	WICKIUP DAM	43 41.0	IR	100.0	0	0	435.46	NNYUYUN
S 2	DESCHUTES DESCHUTES RIV	121 41.3	OP	187320	3948	18370	23.704	
NW	DOI USBR	482	675.0	82.1	3948	18370		UNNNNNYNY
	WICKIUP DAM/DAVIS MOUNTAIN							
OR5NPP0173	BOULDER CREEK	43 2.9	H	10.0	0	0	1194.8	UUUUUUU
I 5	DOUGLAS SOUTH UMPQUA	122 46.0	IS	1	3300	14400	82.977	
NW		90	240.0	199.8	3300	14400		UUUUUUUUU
	QUARTZ MTN/RED BUTTE							
OR6NPP0181	BOUNDARY	43 18.5	HCIRU	235.0	0	0	5986.7	YYYYYUU
I 6	DOUGLAS NORTH UMPQUA	122 50.5	IS	112000	44000	216000	27.716	
NW		859	2210.0	186.8	44000	216000		UYYUUYYUU
	MACE MTN/ILLAHEE ROCK							
OR7NPP0194	BRADLEY CREEK	43 18.5	H	200.0	0	0	3011.3	UUUUUUU
I 5	DOUGLAS BRADLEY CREEK	122 5.9	IS	79200	4400	19100	157.66	
NW		41	90.0	317.6	4400	19100		UUUUUUUUU
	SUMMIT LAKE							
OR6NPP0182	CAMAS VALLEY	43 2.9	ICRH	335.0	0	0	11913	UUUUUUU
D 5	DOUGLAS MIDDLE FORK C	123 43.0	IS	1750000	8000	43800	271.99	
NW		47	115.0	329.6	8000	43800		UUUUUUUUU
	DUTCHMAN BUTTE/CAMAS VALLEY/							
ORJNPP0202	CLEARWATER NUMBER 1 FOREBAY	43 15.3	H	20.0	15000	56800	0	UUUUUUU
S 5	DOUGLAS CLEARWATER RI	122 19.2	OP	154	0	0	0	
NW	PACIFIC POWER AND LIGHT	42	173.0	650.3	15000	56800		UUUUUUUUU
	TOKETEE FALLS/GARWOOD BUTTE							

SITE ID / DEP / ACTV / CODE / INV / POWER AREA	PROJECT NAME / PRIMARY CO. / NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ORJNPP0208	CLEARWATER NUMBER 2 FOREBAY	43 15.1	H	20.0	26000	67000	0	UUUUUUU
S 5	DOUGLAS CLEARWATER RI	122 20.0	OP	96	0	0	0	
NW	PACIFIC POWER AND LIGHT	55	173.0	759.2	26000	67000		UUUUUUUUU
	TOKETEE FALLS/GARWOOD BUTTE							
OR4NPP2701	COFFEE CREEK	42 56.5	H	80.0	0	0	1829.0	UUUUUUU
I 5	DOUGLAS SOUTH UMPQUA	123 0.0	IS	5000	3100	20000	91.451	
NW		639	1400.0	79.9	3100	20000		UUUUUUUUU
	TILLER							
OR7NPP0183	COPELAND DIVERSION	43 17.5	H	255.0	0	0	4327.0	UYYYYUU
D 6	DOUGLAS NORTH UMPQUA	122 37.0	IS	59000	23248	172458	25. 90	
NW		650	1780.0	289.7	23248	172458		UUYUUYYUU
	ILLAHEE ROCK							
OR6NPP0195	DAMEWOODS	43 45.5	H	180.0	0	0	2397.2	UUUUUUU
I 5	DOUGLAS SMITH RIVER	123 36.4	IS	140000	2063	9922	241.59	
NW		78	180.0	174.8	2063	9922		UUUUUUUUU
	ROMAN NOSE MTN/ELKTON/CROW							
OR6NPP0177	DAYS CREEK (CORPS OF ENGINEE	42 57.0	ORSIC	254.0	0	0	10646	UNYYYYU
D 2	DOUGLAS SOUTH UMPQUA	123 9.9	DM	480000	26000	124040	85.834	
NW	DAEN NPP	640	1291.0	260.7	26000	124040		YYYYYYYYY
	DAYS CREEK/TILLER							
OR6NPP2679	DEADMAN CREEK	42 57.6	H	180.0	0	0	3455.4	UUUUUUU
I 5	DOUGLAS SOUTH UMPQUA	122 52.9	IS	69600	3100	21000	164.54	
NW		446	1000.0	174.8	3100	21000		UUUUUUUUU
	TILLER							
OR6NPP0196	DIAMOND	42 57.4	H	115.0	0	0	1662.2	UUUUUUU
D 5	DOUGLAS ROGUE RIVER	122 24.4	IS	41000	1866	10386	160. 4	
NW		62	450.0	109.8	1866	10386		UUUUUUUUU
	PROSPECT/GARWOOD BUTTE							
OR5NPP0176	DIAMOND LAKE	43 11.4	H	6.0	0	0	2277.5	UUUUUUU
D 5	DOUGLAS LAKE CREEK	122 9.4	IS	18000	8300	36500	62.397	
NW		55	53.0	1033.9	8300	36500		UUUUUUUUU
	DIAMOND LAKE/SUMMIT LAKE							
OR4NPP2680	DILLARD	43 5.9	H	60.0	0	0	3333.6	UUUUUUU
I 5	DOUGLAS SOUTH UMPQUA	123 27.1	IS	62000	3600	26000	128.21	
NW		1500	2600.0	59.9	3600	26000		UUUUUUUUU
	ROSEBURG							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	NAME OF STREAM / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	LATITUDE / PROJ.PURP. STATUS / AVE. Q (CFS)	DAM HT TOT. STOR (AC FT) / PWR. HD. (FT) / (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) / (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) / (MWH)	ANUL. COST ENERGY COST (1000 $) (S/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ORHNPP0207	FISH CREEK DAM		43 13.8	H	18.0	11000	62300	0	0	UUUUUUU
I 5	DOUGLAS	FISH CREEK, O	122 26.7	OP	40	0	0	0		
NW	PACIFIC POWER + LIGHT		65	230.0	994.0	11000	62300			UUUUUUUUU
	GARWOOD BUTTE/TOKETEE FALLS									
ORSNPP2678	FISH LAKE		43 5.9	H	40.0	0	0	644.32		UNYYYUU
I 2	DOUGLAS	FISH LAKE CRE	122 34.4	IS	4500	3800	16800	38.352		
NW			7	20.0	1262.7	3800	16800			UUUUNNYNY
	QUARTZ MTN/GARWOOD BUTTE									
OR6NPP2794	GALESVILLE		42 50.9	CIRSO	130.0	0	0	1614.4		UNYYYUU
I 6	DOUGLAS	COW CREEK	123 10.5	IS	55000	4200	18500	87.269		
NW			78	107.0	129.8	4200	18500			UYYYYNYNY
	DAYS CREEK									
OR6NPP0174	GLIDE		43 19.5	H	65.0	0	0	3322.5		UUUUUUU
I 5	DOUGLAS	NORTH UMPQUA	123 1.0	IS	24300	22966	58788	56.516		
NW			1200	2280.0	59.9	22966	58788			UUUUUUUUU
	GLIDE									
OR6NPP2812	GOLD MOUNTAIN		42 50.5	SI	270.0	0	0	2525.5		UNUUUUU
5	DOUGLAS	W FK COW CREE	123 47.5	IS	55600	2600	11600	217.72		
NW			21	70.0	247.7	2600	11600			UUUUYNNNY
	BONE MOUNTAIN									
OR6NPP0197	HAMAKER		43 1.5	H	165.0	0	0	1761.9		UUUUUUU
D 5	DOUGLAS	ROGUE RIVER	122 22.0	IS	21000	4188	25615	68.786		
NW			62	185.0	159.8	4188	25615			UUUUUUUUU
	GARWOOD BUTTE									
OR6NPP2686	HINKLE		43 26.4	H	255.0	0	0	3321.5		UUUUUUU
I 5	DOUGLAS	CALAPOOYA CRE	123 4.6	IS	102000	2753	12113	274.19		
NW			48	110.0	249.7	2753	12113			UUUUUUUUU
	GLIDE/ANLAUF									
OR6NPP2688	HONEYSUCKLE		42 48.5	CIRSOH	305.0	0	0	3429.1		UNYYUUU
I 6	DOUGLAS	W FK COW CREE	123 39.4	IS	78000	10900	47900	71.590		
NW			71	240.0	299.7	10900	47900			UYUUYNNNY
	DUTCHMAN BUTTE									
OR7NPP0167	HORSESHOE BEND		43 17.7	HCIRU	60.0	0	0	2738.0		UYYYUUU
I 6	DOUGLAS	NORTH UMPQUA	123 12.7	IS	23500	14000	98000	27.939		
NW			1230	3160.0	80.9	14000	98000			UYYYUYYUU
	GLIDE									

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) / (D M,M) / (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) / (AC FT) / (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) / (KW) / (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) / (MWH) / (MWH)	ANUL. COST / ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR6NPP0190	IRON MOUNTAIN	42 54.0	H	155.0	0	0	3013.9	UUUUUUU
I 5	DOUGLAS COW CREEK	123 31.9	IS	60000	15706	61373	49.108	
NW		426	900.0	149.8	15706	61373		UUUUUUUUU
	DUTCHMAN BUTTE							
OR6NPP0169	KELLEYS-SMITH FERRY	43 35.5	H	305.0	0	0	18682	UNYYYUU
E 6	DOUGLAS UMPQUA RIVER	123 33.0	IS	3470000	160000	963600	19.388	
NW		3683	7430.0	184.8	160000	963600		UYYYUUUUU
	ELKTON/DRAIN/SUTHERLIN/TYEE/							
OR6NPP0168	KELLOGG	43 31.5	H	70.0	0	0	4192.0	UNYYYUU
D 6	DOUGLAS UMPQUA RIVER	123 32.6	IS	35000	23500	196000	21.388	
NW		3650	7430.0	58.9	23500	196000		UYYYUUYUU
	DRAIN/SUTHERLIN/TYEE							
OR5NPP2735	LAKE CREEK NUMBER 1	43 11.4	H	5.0	0	0	1667.6	UUUUUUU
E 5	DOUGLAS LAKE CREEK	122 10.0	IS	30000	1574	13661	122. 6	
NW		57	57.0	479.5	1574	13661		UUUUUUUUU
	DIAMOND LAKE							
OR5NPP2736	LAKE CREEK NUMBER 3	43 15.0	H	5.0	0	0	618.84	UUUUUUU
E 5	DOUGLAS LAKE CREEK	122 9.0	IS	1	1421	5693	108.70	
NW		76	76.0	324.6	1421	5693		UUUUUUUUU
	SUMMIT LAKE							
OR7NPP2734	LAKE CREEK DS	43 30.0	H	185.0	0	0	2659.9	UUUUUUU
I 5	DOUGLAS LAKE CREEK	123 48.0	IS	140000	5900	26000	102.50	
NW		55	195.0	199.8	5900	26000		UUUUUUUUU
	SCOTTSBURG/IVERS PEAK/ELKTON							
ORJNPP0205	LEMOLO NUMBER 1	43 19.1	HR	120.0	29000	181000	0	UUUUUUU
S 5	DOUGLAS NORTH UMPQUA	122 11.3	UP	14650	0	0	0	
NW	PACIFIC POWER + LIGHT	179	183.0	751.9	29000	181000		UUUUUUUUU
	SUMMIT LAKE							
ORJNPP0209	LEMOLO NUMBER 2 FOREBAY	43 19.1	H	13.0	33000	237000	0	UUUUUUU
S 5	DOUGLAS NORTH UMPQUA	122 11.3	UP	235	0	0	0	
NW	PACIFIC POWER + LIGHT	258	424.0	728.2	33000	237000		UUUUUUUUU
	SUMMIT LAKE/TOKETEE FALLS							
OR7NPP0170	LOON LAKE DIVERSION	43 36.9	H	80.0	0	0	2144.3	UUUUUUU
D 5	DOUGLAS MILL CREEK/LA	123 50.0	IS	100000	6500	55900	38.359	
NW		89	310.0	359.6	6500	55900		UUUUUUUUU
	SCOTTSBURG							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR5NPP0178	MILL CREEK	43 37.1	H	5.0	0	0	1556.6	UUUUUUU
E 5	DOUGLAS MILL CREEK	123 50.9	IS	15	5000	22300	69.806	
NW		128	450.0	74.9	5000	22300		UUUUUUUUU
	SCOTTSBURG							
OR6NPP0171	OAK CREEK	43 18.9	H	220.0	0	0	12014	UUUUUUU
I 5	DOUGLAS NORTH UMPQUA	123 18.0	IS	917000	106540	184342	65.172	
NW		1295	3330.0	149.8	106540	184342		UUUUUUUUU
	GLIDE/SUTHERLIN/UMPQUA DRAWE							
OR6NPP2752	OLLALA CREEK	43 1.7	Q	185.0	0	0	3211.1	UUUUUUU
I 5	DOUGLAS OLLALA CREEK	123 32.5	IS	115000	2800	12200	263.20	
NW		60	102.0	179.8	2800	12200		UUUUUUUUU
	CAMPS VALLEY/DUTCHMAN BUTTE							
OR6NPP2787	PERDUE	43 13.0	H	105.0	0	0	4113.3	UUUUUUU
I 5	DOUGLAS SOUTH UMPQUA	123 18.0	IS	165000	13933	57395	71.666	
NW		1031	2240.0	99.9	13933	57395		UUUUUUUUU
	ROSEBURG/CANYONVILLE/DAYS CR							
OR6NPP0172	PERDUE RESERVOIR	42 55.4	H	155.0	0	0	5620.4	UNYYYUU
E 2	DOUGLAS SOUTH UMPQUA	123 3.0	IS	64000	60283	123868	45.374	
NW		639	1420.0	149.8	60283	123868		YYYYUUUUU
	DAYS CREEK/TILLER							
OR6NPP0164	RIDDLE	42 57.0	H	65.0	0	0	4178.2	UUUUUUU
D 5	DOUGLAS SOUTH UMPQUA	123 20.0	IS	45000	22700	99500	41.992	
NW		1331	2300.0	64.9	22700	99500		UUUUUUUUU
	CANYONVILLE							
OR7NPP0165	ROCK CREEK	43 18.9	H	180.0	0	0	5848.5	YYYYYUU
I 6	DOUGLAS NORTH UMPQUA	123 1.5	IS	77000	51000	263000	22.237	
NW		886	2280.0	220.7	51000	263000		YYYUUYYUU
	GLIDE/MACE MOUNTAIN							
OR4NPP2769	ROSEBURG	43 12.6	H	50.0	0	0	2205.4	UUUUUUU
I 5	DOUGLAS SOUTH UMPQUA	123 22.5	IS	8300	3000	22000	100.24	
NW		1500	2600.0	49.9	3000	22000		UUUUUUUUU
	ROSEBURG							
OR7NPP0166	RUCKLES	43 4.5	H	60.0	0	0	5383.4	YNYYUUU
I 6	DOUGLAS SOUTH UMPQUA	123 21.4	IS	37600	51000	221000	24.359	
NW		1495	2560.0	129.8	51000	221000		UYYYNNNNY
	ROSEBURG/CANYONVILLE							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. CUST	ENVIRONMENTAL
	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
OR6NPP0180	SALMONBERRY	43 47.9	H	165.0	0	0	3203.8	UUUUUUU
E 5	DOUGLAS SMITH RIVER	123 37.0	IS	155000	2000	9100	352.7	
NW		38	85.0	159.8	2000	9100		UUUUUUUUU
	CROW/DRAIN							
OR6NPP0186	SAWMILL	43 46.5	H	255.0	0	0	6979.9	UUUUUUU
I 5	DOUGLAS SMITH RIVER	123 58.0	IS	1000000	28500	125000	55.839	
NW		330	750.0	249.7	28500	125000		UUUUUUUUU
	GOODWIN PEAK/ROMAN NOSE MTN/							
OR6NPP0187	SCOTTSBURG	43 39.4	H	100.0	0	0	12126	UNYYYUU
I 6	DOUGLAS UMPQUA RIVER	123 48.5	IS	190000	92565	361824	33.514	
NW		4100	8530.0	94.9	92565	361824		UYYYUUYUU
	SCOTTSBURG/ELKTON							
ORHNPP0206	SLIDE CREEK DAM	43 16.5	H	30.0	18000	105700	0	UUUUUUU
I 5	DOUGLAS NORTH UMPQUA	122 26.8	OP	50	0	0	0	
NW	PACIFIC POWER AND LIGHT	337	1130.0	166.0	18000	105700		UUUUUUUUU
	TOKETEE FALLS							
ORHNPP0204	SODA SPRINGS DAM	43 18.1	H	48.0	11000	71942	0	UUUUUUU
I 5	DOUGLAS NORTH UMPQUA	122 29.6	OP	710	0	0	0	
NW	PACIFIC POWER + LIGHT	420	1140.0	106.8	11000	71942		UUUUUUUUU
	TOKETEE FALLS/ILLAHEE ROCK							
OR7NPP0193	SOUTH UMPQUA FALLS	43 2.5	H	245.0	0	0	4802.4	UUUUUUU
I 5	DOUGLAS SOUTH UMPQUA	122 41.9	IS	85000	4132	16105	298.17	
NW		83	200.0	399.6	4132	16105		UUUUUUUUU
	QUARTZ MTN							
OR6NPP0188	STEAMBOAT	43 19.9	HCRIO	190.0	0	0	3344.1	UYYYYUU
E 6	DOUGLAS NORTH UMPQUA	122 41.9	IS	25800	16300	113000	29.594	
NW		585	2000.0	189.8	16300	113000		UUYUUYUUU
	ILLAHEE ROCK							
OR6NPP0189	TILLER	42 56.0	H	385.0	0	0	7300.2	UNYYYUU
D 2	DOUGLAS SOUTH UMPQUA	122 56.0	IS	600000	44600	195400	37.360	
NW		446	1030.0	284.7	44600	195400		UYYYNNNNY
	TILLER/RED BUTTE							
OR5NPP0198	TILLER DIVERSION	42 59.8	H	40.0	0	0	3300.8	UUUUUUU
E 5	DOUGLAS SOUTH UMPQUA	122 50.5	IS	850	11974	83159	39.692	
NW		430	1030.0	159.8	11974	83159		UUUUUUUUU
	TILLER/RED BUTTE							

SITE ID / DEP CODE / POWER AREA	ACTV / INV	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) / (D M.M) / (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) / (AC FT) / (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) / (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) / (MWH)	ANUL. COST ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ORJNPP0203	5	TOKETEE DAM	43 15.7	HR	60.0	42500	261000	0	UUUUUUU
I		DOUGLAS NORTH UMPQUA	122 25.1	OP	1420	0	0	0	
NW		PACIFIC POWER + LIGHT	337	900.0	447.9	42500	261000		UUUUUUUUU
		TOKETEE FALLS							
OR6NPP0199		TWIN SISTERS	43 48.9	H	220.0	0	0	4149.7	UUUUUUU
I	5	DOUGLAS SMITH RIVER	123 41.4	IS	268000	23507	42990	96.525	
NW			135	310.0	214.7	23507	42990		UUUUUUUUU
		ROMAN NOSE MTN/ELKHORN							
ORMNPP0163		WINCHESTER (EXIST)	43 17.0	H	14.0	0	0	961.14	NYUYUUN
D	6	DOUGLAS NORTH UMPQUA	123 21.1	IS	1	7100	31000	31. 4	
NW		WINCHESTER WATER CONTROL DIS	1290	3330.0	13.9	7100	31000		UNNNYYYNY
		SUTHERLIN							
OR5NPP2808		WINCHESTER DIVERSION	43 17.3	H	60.0	0	0	3887.4	UYYYYUU
E	6	DOUGLAS NORTH UMPQUA	123 19.5	IS	17400	17939	108576	35.803	
NW			1290	3330.0	79.9	17939	108576		UYUYUYYUU
		SUTHERLIN							
OR6NPP0313		WOLF CREEK	43 25.9	CIRO	150.0	0	0	9293.7	UNYYYUU
I	6	DOUGLAS UMPQUA RIVER	123 33.9	IS	840600	37000	300000	30.979	
NW			3600	7300.0	144.8	37000	300000		UYYYUUUUU
		TYEE/SUTHERLIN/ROSEBURG							
OR7NPP0175		12 RB NUMBER 1	43 46.9	H	55.0	0	0	1432.5	UUUUUUU
D	5	DOUGLAS SMITH RIVER	123 27.5	IS	40000	5400	24000	59.688	
NW			35	85.0	319.6	5400	24000		UUUUUUUUU
		ROMAN NOSE MTN/CROW							
OR6NPP2693		BLACK CANYON	44 19.7	H	250.0	0	0	2298.1	UUUUUUU
D	5	GRANT SOUTH FORK JO	119 33.4	IS	50000	6800	30000	76.603	
NW			569	180.0	249.7	6800	30000		UUUUUUUUU
		ALDRICH GULCH/ALDRICH MTN SO							
OR4NPP0221		CAMP CREEK	44 59.0	H	10.0	0	0	2450.1	YYYYYUU
I	6	GRANT N FK JOHN DAY	118 46.9	IS	1	26000	113000	21.682	
NW			249	175.0	969.0	26000	113000		UUUUNYYNY
		DESOLATION BUTTE/DALE/UKIAH							
OR7NPP2698		CANYON CREEK	44 15.5	CI	155.0	0	0	1115.3	UUUUUUU
I	5	GRANT CANYON CREEK	118 56.5	IS	22000	1700	7300	152.79	
NW			68	22.0	500.0	1700	7300		UUUUUUUUU
		CANYON MTN/SENECA							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR5NPP0215	FOURMILE	44 25.0	ICM	10.0	0	0	1561.4	UNYYYUU
I 6	GRANT S FK JOHN DAY	119 31.5	IS	1	9600	41900	37.267	
NW		590	180.0	349.6	9600	41900		UUUUNNYNY
	ALDRICH GULCH/DAYVILLE							
OR6NPP2708	GALENA	44 42.0	H	225.0	0	0	3282.3	UUUUUUU
I 5	GRANT MIDDLE FORK J	118 49.0	IS	180000	1789	8392	391.11	
NW		312	140.0	219.7	1789	8392		UUUUUUUUU
	SUSANVILLE/BATES							
OR6NPP0216	HALL HILL	44 21.9	CI	116.0	0	0	2496.1	UUUUUUU
I 5	GRANT JOHN DAY RIVE	118 37.9	IS	44500	1780	7810	319.61	
NW		250	114.0	76.0	1780	7810		UUUUUUUUU
	JOHN DAY/PRAIRIE CITY							
OR6NPP0217	HUMPHREY RANCH	44 34.5	H	115.0	0	0	1820.6	UUUUUUU
I 5	GRANT JOHN DAY RIVE	119 37.9	IS	20000	4787	22738	80. 68	
NW		1991	520.0	109.8	4787	22738		UUUUUUUUU
	PICTURE GORGE							
OR6NPP2689	HUNT GULCH	44 38.4	H	245.0	0	0	3137.7	UUUUUUU
I 5	GRANT MIDDLE FORK J	118 37.5	IS	97000	2600	11200	280.15	
NW		156	70.0	239.7	2600	11200		UUUUUUUUU
	BATES							
OR6NPP2716	INDIAN CREEK	44 46.3	H	175.0	0	0	1869.2	UUUUUUU
D 5	GRANT MIDDLE FORK J	118 52.8	IS	52000	1555	7788	239.99	
NW		378	170.0	169.8	1555	7788		UUUUUUUUU
	DALE/SUSANVILLE							
OR6NPP0218	JOHNSON	44 47.9	H	220.0	0	0	3831.0	UUUUUUU
D 5	GRANT MIDDLE FORK J	118 58.9	IS	61000	6700	29000	132.10	
NW		449	200.0	162.4	6700	29000		UUUUUUUUU
	DALE							
OR4NPP2741	LONG CREEK	44 52.8	H	60.0	0	0	928.98	UUUUUUU
I 5	GRANT MIDDLE FORK J	119 13.0	IS	2080	2254	7037	132. 0	
NW		515	238.0	59.9	2254	7037		UUUUUUUUU
	RITTER							
OR6NPP0219	MONUMENT	44 48.7	HIC	175.0	0	0	4148.3	UYYYYUU
I 6	GRANT N FK JOHN DAY	119 25.9	IS	236000	23569	62422	66.455	
NW		2520	914.0	169.8	23569	62422		UYYUNYNNY
	MONUMENT							

SITE ID / PRIMARY CO. / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR6NPP0220	ULIVER RANCH	44 25.0	H	180.0	0	0	3544.9	UUUUUUU
I 5	GRANT JOHN DAY RIVE	118 52.0	IS	99000	1788	8622	411.11	
NW		392	190.0	174.8	1788	8622		UUUUUUUUU
	JOHN DAY/CASTLE CREEK							
OR6NPP0214	PICTURE GORGE (DAYVILLE)	44 30.9	H	275.0	0	0	5303.4	UUUUUUU
D 5	GRANT JOHN DAY RIVE	119 37.0	IS	840000	22658	62834	84.404	
NW		1680	450.0	254.7	22658	62834		UUUUUUUUU
	PICTURE GORGE/DAY BASIN/DAYV							
OR4NPP2788	PORTER	44 50.9	H	90.0	0	0	1329.4	UUUUUUU
I 5	GRANT MIDDLE FORK J	119 3.0	IS	6400	1283	6506	204.33	
NW		575	210.0	89.9	1283	6506		UUUUUUUUU
	RITTER							
OR6NPP0222	TWOMILE CANYON	44 55.0	H	585.0	0	0	18515	UUUUUUU
S 5	GRANT NORTH FORK JO	119 19.4	IS	2800000	46300	202700	91.343	
NW		1983	700.0	434.5	46300	202700		UUUUUUUUU
	MONUMENT/RITTER/L PENLAND/TH							
OR6NPP0233	ADEL	42 10.4	H	400.0	0	0	5480.4	UUUUUUU
I 5	HARNEY DEEP CREEK	119 54.9	IS	63000	18330	31467	174.16	
NW		267	127.0	399.6	18330	31467		UUUUUUUUU
	ADEL/SAGE HEN BUTTE							
OR6NPW0410	BLACK BUTTE	43 40.0	H	204.0	0	0	5870.0	NNUNYUN
I 5	HARNEY MALHEUR RIVER	118 15.0	IS	1450000	3532	12023	488.20	
NW		950	185.0	191.8	3532	12023		UYYUNNNUN
	BURNS AMS							
OR6NPP0230	BURNT CAR	42 44.0	H	315.0	0	0	2617.6	UUUUUUU
I 5	HARNEY DUNNER AND BL	118 50.5	IS	37000	1982	10494	249.43	
NW		157	98.0	309.6	1982	10494		UUUUUUUUU
	TOMBSTONE CANYON							
OR6NPP0232	FRENCH GLEN	42 46.9	H	275.0	0	0	2851.1	UUUUUUU
I 5	HARNEY DUNNER AND BL	118 52.0	IS	66000	2140	11407	249.93	
NW		200	125.0	269.7	2140	11407		UUUUUUUUU
	PAGE SPRINGS/TOMBSTONE CANYO							
OR6NPP0231	SILVIES CANYON	43 45.9	H	147.0	0	0	3878.7	UUUUUUU
I 5	HARNEY SILVIES RIVER	119 11.0	IS	215000	3100	13500	287.31	
NW		921	156.0	129.8	3100	13500		UUUUUUUUU
	WEST MYRTLE BUTTE/SAWTOOTH C							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
OR6NPP2682	EAST FORK HOOD RIVER	45 19.7	I	220.0	0	0	9541.2	UUUUUUU
I 5	HOOD RIVER EAST FORK HOO	121 34.0	IS	50000	2900	12600	757.24	
NW		26	86.0	219.7	2900	12600		UUUUUUUUU
	BADGER LAKE							
OR4NPP2800	GREEN POINT CREEK	45 35.3	RI	100.0	0	0	1173.3	UUUUUUU
I 5	HOOD RIVER GREEN POINT C	121 39.0	IS	1240	1700	7400	158.55	
NW		20	111.0	99.9	1700	7400		UUUUUUUUU
	HOOD RIVER							
OR4NPP2731	LAKE BRANCH 1	45 32.3	RI	186.0	0	0	1384.7	UNYYYUU
I 6	HOOD RIVER LAKE BRANCH	121 43.9	IS	7890	3800	16800	82.426	
NW		25	136.0	185.8	3800	16800		UUUUNNNNY
	HOOD RIVER							
OR4NPP2732	LAKE BRANCH 2	45 37.8	RI	200.0	0	0	1465.8	UUUUUUU
I 5	HOOD RIVER LAKE BRANCH	121 48.0	IS	8960	2200	9600	152.68	
NW		11	72.0	199.8	2200	9600		UUUUUUUUU
	BONNEVILLE DAM							
ORCNPP0248	LAKE LAURANCE DAM	45 27.6	IRC	111.0	0	0	166.23	UUUUUUU
I 5	HOOD RIVER CLEAR BRANCH	121 39.4	OP	3550	1130	4940	33.651	
NW	MIDDLE FORK IRR. DIST.	9	70.0	105.8	1130	4940		UUUUUUUUU
	CATHEDRAL RIDGE							
OR6NPP2745	NEAL CREEK	45 34.7	I	94.0	0	0	2487.0	UUUUUUU
I 5	HOOD RIVER WEST FORK NEA	121 31.9	IS	5900	3200	14000	177.64	
NW		76	223.0	93.9	3200	14000		UUUUUUUUU
	HOOD RIVER							
ORHNPP0244	POWERDALE	45 40.4	H	11.0	6000	47500	0	UUUUUUU
I 5	HOOD RIVER HOODRIVER	121 31.0	OP	1	0	0	0	
NW	PACIFIC POWER AND LIGHT	300	950.0	210.9	6000	47500		UUUUUUUUU
	HOOD RIVER							
OR5NPP2709	UDP ORU0907	45 34.1	H	10.0	0	0	917.74	UNYYYUU
I 2	HOOD RIVER E FK HOOD R	121 37.0	IS	30	6100	26600	34.501	
NW		3	20.0	1998.0	6100	26600		UUUUNNNNY
	HOOD RIVER/DOG RIVER							
ORCNPP0256	APPLEGATE CORPS OF ENGINEERS	42 2.9	RSUIC	232.0	0	0	831.93	NNUYUUN
I 2	JACKSON APPLEGATE RIV	123 7.0	OP	82000	9000	41610	19.993	
NW	CORPS ENGR PORTLAND DIST	223	435.0	134.8	9000	41610		YNNNNNYNY
	RUCH							

SITE ID / PROJECT NAME / PRIMARY CO. =NAME OF STREAM	LATITUDE / LONGITUDE	PROJ.PURP. / STATUS	DAM HT / TOT. STOR / PWR. HD.	EXIST.CAP. / INC. CAP. / TOT. CAP.	EXIST.ENRG / INC.ENERGY / TOT.ENERGY	ANUL. COST / ENERGY COST	ENVIRONMENTAL IMPACT CODE
DEP ACTV / CODE INV / OWNER / MAP REFERENCE	DR.AREA (D M.M)	AVE. Q	(FT)	(KW)	(MWH)	(1000 $)	
POWER AREA	(D M.M) (SQ.MI)	(CFS)	(AC FT) (FT)	(KW) (KW)	(MWH) (MWH)	($/MWH)	SOCIAL IMPACT CODE
OR6NPP0259	BIG BUTTE CREEK (MCNEIL)		H	190.0	0	0	4638.3	UUUUUUU
I 5	JACKSON BIG BUTTE CRE	42 39.0	IS	115000	15193	65216	71.122	
NW		122 41.0	278.0	164.8	15193	65216		UUUUUUUUU
		253						
	BUTTE FALLS							
OR5NPP0273	CASTLE CREEK	42 54.0	H	55.0	0	0	1898.2	UNYYYUU
E 6	JACKSON ROGUE RIVER	122 28.0	IS	1200	8500	52000	36.504	
NW		187	470.0	199.8	8500	52000		UUUUUUUUU
	PROSPECT							
OR7NPP0261	CASTLE CREEK (MT STELLA)	42 55.0	H	80.0	0	0	2002.5	UNYYYUU
I 6	JACKSON ROGUE RIVER	122 25.5	IS	13400	13300	57900	34.586	
NW		122	365.0	239.7	13300	57900		UUUUYNYNY
	PROSPECT							
ORKNPP0250	EAGLE POINT	42 28.4	H	1.0	2813	20000	0	UUUUUUU
I 5	JACKSON LITTLE BUTTE	122 45.0	OP	1	0	0	0	
NW	PACIFIC POWER AND LIGHT	135	180.0	409.0	2813	20000		UUUUUUUUU
	BUTTE FALLS/TRAIL							
OR4NPP0274	ELK CREEK	42 39.0	H	30.0	0	0	1880.4	UUUUUUU
I 5	JACKSON ROGUE RIVER	122 44.5	IS	1800	5783	26012	72.289	
NW		1082	1660.0	29.9	5783	26012		UUUUUUUUU
	BUTTE FALLS							
OR6NPP0264	ELK CREEK (CORPS OF ENGINEE	42 41.6	OSICRH	233.0	0	0	3307.8	UUUUUUU
S 5	JACKSON ELK CREEK	122 43.7	SI	101000	3663	18330	180.45	
NW	CORPS (NPP)	132	215.0	223.3	3663	18330		UUUUUUUUU
	BUTTE FALLS							
ORCNPP0291	EMIGRANT DAM	42 9.6	ICRO	196.0	0	0	183.92	UUUUUUU
I 5	JACKSON EMIGRANT CREE	122 36.2	OP	45700	1400	6000	30.654	
NW	DOI USBR	100	50.0	180.8	1400	6000		UUUUUUUUU
	ASHLAND							
OR5NPP0262	FOSTER CREEK	42 59.4	H	10.0	0	0	1533.9	UUUUUUU
I 5	JACKSON ROGUE RIVER	122 23.5	IS	1	6200	27100	56.604	
NW		62	185.0	219.7	6200	27100		UUUUUUUUU
	PROSPECT/GARWOOD BUTTE							
OR4NPP0275	GOLD HILL	42 24.0	H	65.0	0	0	6166.3	UUUUUUU
E 5	JACKSON ROGUE RIVER	123 4.9	IS	26000	27116	123152	50. 70	
NW		2050	3600.0	64.9	27116	123152		UUUUUUUUU
	GOLD HILL							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D.M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D.M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
ORGNPP0255	GOLD HILL=IDEAL CEMENT	42 24.0	HCRIU	90.0	0	0	4858.6	YNYYYUU
D 6	JACKSON ROGUE RIVER	123 5.0	UP	68000	19947	107232	45.309	
NW	IDEAL CEMENT COMPANY	2079	3090.0	69.9	19947	107232		UYYUYUUUY
	GOLD HILL/MEDFORD							
ORMNPP0292	GOLD RAY	42 26.2	R	35.0	0	0	603.64	UNYYYUU
I 6	JACKSON ROGUE RIVER	122 59.2	IS	100	5627	30254	19.952	
NW	JACKSON COUNTY	2053	3000.0	19.9	5627	30254		UUUYYUUUY
	MEDFORD							
ORJNPP0249	GREEN SPRINGS	42 4.9	H	78.0	16000	63000	0	UUUUUUU
I 5	JACKSON EMIGRANT CREE	122 37.9	UP	400	0	0	0	
NW	BUREAU OF RECLAMATION	14	133.0	1766.2	16000	63000		UUUUUUUUU
	ASHLAND/HYATT RESERVOIR							
ORGNPP2687	HOMESTEAD GULCH	45 19.1	CI	140.0	0	0	2383.6	UUUUUUU
I 5	JACKSON EVANS CREEK	122 28.9	IS	53200	2100	9000	264.84	
NW		128	100.0	134.8	2100	9000		UUUUUUUUU
	WIMER							
ORSNPP0257	KITER CREEK	42 46.5	HCIRU	40.0	0	0	2229.1	UNYYYUU
D 6	JACKSON ROGUE RIVER	122 30.0	IS	1150	8337	66466	33.538	
NW		306	850.0	219.7	8337	66466		UUUUYNYNY
	PROSPECT/ABBUTT BUTTE							
ORGNPP0276	LEWIS CREEK	42 38.8	URICH	150.0	0	0	4607.0	YNYYYUU
D 6	JACKSON ROGUE RIVER	122 47.6	IS	98000	23809	117660	39.155	
NW		1082	2600.0	140.8	23809	117660		YYYUYUUUU
	TRAIL/BUTTE FALLS							
ORSNPP2669	LITTLE BUTTE CREEK	42 26.4	H	10.0	0	0	2514.6	UUUUUUU
I 5	JACKSON ROGUE RIVER	122 55.5	IS	1	5178	38103	65.994	
NW		2053	3000.0	34.9	5178	38103		UUUUUUUUU
	MEDFORD							
ORGNPP0258	LONG CREEK	42 32.9	HCRIU	65.0	0	0	2699.3	UNYYYUU
I 6	JACKSON ROGUE RIVER	122 50.0	IS	29000	7133	47290	57. 79	
NW		1189	2600.0	64.9	7133	47290		UYUYYUYUY
	TRAIL							
ORINPP0293	LOST CREEK	42 40.0	CHSR	327.0	49000	303000	0	UUUUUUU
S 5	JACKSON ROGUE RIVER	122 40.2	UP	465000	0	0	0	
NW	DAEN NPP	674	1823.0	315.9	49000	303000		UUUUUUUUU
	BUTTE FALLS							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. -NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
OR6NPP0266	MCKEE BRIDGE	42 8.0	H	205.0	0	0	4128.6	UUUUUUU
I 5	JACKSON APPLEGATE RIV	123 5.0	IS	108800	24561	57160	72.228	
NW		252	490.0	199.8	24561	57160		UUUUUUUUU
	RUCH							
ORHNPP0251	PROSPECT NO.1	42 45.0	H	50.0	3760	25000	0	UUUUUUU
S 5	JACKSON ROGUE RIVER/M	122 30.0	OP	1	0	0	0	
NW	PACIFIC POWER AND LIGHT	508	180.0	525.0	3760	25000		UUUUUUUUU
	BUTTE FALLS/PROSPECT/ABBOTT							
ORHNPP0252	PROSPECT NO 2	42 45.0	H	50.0	32000	280000	916.78	NNYYYUN
S 2	JACKSON ROGUE RIVER/M	122 30.0	OP	1	16000	60000	15.279	
NW	PACIFIC POWER AND LIGHT	508	180.0	607.0	48000	340000		UNNNYNYNY
	BUTTE FALLS/PROSPECT/ABBOTT							
ORHNPP0253	PROSPECT NO 3	42 44.4	H	150.0	7200	50000	540.56	NNYYYUN
S 2	JACKSON SOUTH FK ROGU	122 20.0	OP	22	4000	26300	20.553	
NW	PACIFIC POWER AND LIGHT	79	180.0	719.2	11200	76300		UNNNNNYNY
	RUSTLER PEAK							
ORHNPP0254	PROSPECT NO4	42 45.0	H	50.0	1000	8200	0	UUUUUUU
S 5	JACKSON ROGUE RIVER/M	122 30.0	IS	1	0	0	0	
NW	PACIFIC POWER AND LIGHT	504	180.0	93.0	1000	8200		UUUUUUUUU
	BUTTE FALLS/PROSPECT/ABBOTT							
OR5NPP0281	REESE CREEK	42 28.0	H	25.0	0	0	3744.5	UUUUUUU
D 5	JACKSON ROGUE RIVER	122 52.0	IS	4470	11274	68806	54.421	
NW		1215	2640.0	84.9	11274	68806		UUUUUUUUU
	TRAIL/MEDFURD							
OR5NPP0282	RITTER CREEK	42 45.9	H	15.0	0	0	2109.1	UNYYYUU
E 2	JACKSON ROGUE RIVER	122 29.7	IS	160	7579	61342	34.382	
NW		319	823.0	199.8	7579	61342		UUUUUUUUU
	PROSPECT							
OR4NPP0265	ROCK POINT	42 24.0	H	18.0	0	0	2354.3	UUUUUUU
I 5	JACKSON ROGUE RIVER	123 5.1	IS	1	5136	28544	82.479	
NW		2200	3800.0	17.9	5136	28544		UUUUUUUUU
	GOLD HILL							
OR6NPP0267	RUCH	42 12.0	H	135.0	0	0	3161.4	UUUUUUU
I 5	JACKSON APPLEGATE RIV	123 3.0	IS	70000	5804	24970	126.60	
NW		427	490.0	129.8	5804	24970		UUUUUUUUU
	RUCH							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ORGNPP0287	SAVAGE RAPIDS DIVERSION	42 25.2	IR	39.0	1340	2000	755.93	UNUUUUU
I 6	JACKSON ROGUE RIVER	123 13.7	OP	1500	8500	33507	22.560	
NW	DOI USBR	2432	3430.0	25.9	9840	35507		UUUUYUYYY
	GOLD HILL							
ORSNPP0283	TOP CREEK	42 49.9	H	60.0	0	0	2082.7	UUUUUUU
D 5	JACKSON ROGUE RIVER	122 29.5	IS	18400	4999	39987	52. 84	
NW		291	745.0	139.8	4999	39987		UUUUUUUUU
	PROSPECT/ABBUTT BUTTE							
ORGNPP0268	TRAIL CREEK	42 37.5	H	80.0	0	0	3504.3	UUUUUUU
I 5	JACKSON ROGUE RIVER	122 48.0	IS	18500	17126	70525	49.689	
NW		1144	2400.0	74.9	17126	70525		UUUUUUUUU
	TRAIL/BUTTE FALLS							
ORSNPP2714	UNION CREEK	42 52.0	H	10.0	0	0	1934.3	YNYYYUU
I 6	JACKSON ROGUE RIVER	122 28.4	IS	50	7958	57219	33.806	
NW		157	470.0	279.7	7958	57219		UUUUYNYNY
	PROSPECT							
ORGNPP2695	BOX CANYON UPPER	44 29.4	H	100.0	0	0	2769.7	UUUUUUU
I 5	JEFFERSON CROOKED RIVER	121 17.5	IS	3800	14883	65563	42.244	
NW		4300	1529.0	99.9	14883	65563		UUUUUUUUU
	STEELHEAD FALLS							
ORGNPP2694	BOX CANYON LOWER	44 30.0	H	155.0	0	0	2927.8	UNUUUUU
E 2	JEFFERSON CROOKED RIVER	121 16.9	IS	8200	20273	86920	33.684	
NW		4300	1529.0	129.8	20273	86920		UYUUUUYUU
	STEELHEAD FALLS							
ORGNPP2702	COLEMAN	44 47.9	H	78.0	0	0	3514.5	UYYYUUU
E 6	JEFFERSON DESCHUTES RIV	121 7.5	IS	20500	22597	152425	23. 57	
NW		7925	4509.0	57.9	22597	152425		UYYUUUYUU
	GATEWAY/EAGLE BUTTE/MADRAS W							
ORSNPP0299	CROOKED RIVER GORGE	44 29.7	H	50.0	0	0	4642.0	YYUUUUU
D 6	JEFFERSON CROOKED RIVER	121 17.7	IS	1750	23321	161649	28.716	
NW		4300	800.0	799.2	23321	161649		UUUUNYYNY
	REDMOND/OPAL CITY/STEELHEAD=							
ORENPP2814	DESCHUTES MAIN CANAL MILE 46	44 31.3	I	10.0	0	0	283.91	NNUUUYN
I 2	JEFFERSON DESCHUTES R (	121 8.5	OP	1	1800	11700	24.266	
NW	DOI USBR (WPRS)	1	275.0	66.9	1800	11700		YNNNYNYYY
	CULVER							

SITE ID / DEP CODE / POWER AREA	ACTV INV	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
ORENPP2813		DESCHUTES MAIN CANAL MILE 45	44 30.1	I	10.0	0	0	319.79	NNUUUYN
I	2	JEFFERSON DESCHUTES R (	121 9.4	OP	1	2200	14000	22.842	
	NW	DOI USBR (WPRS)	1	275.0	79.9	2200	14000		YNNNYNYYY
		CULVER							
OR6NPP0295		GENEVA	44 30.0	H	325.0	0	0	5123.7	UYYYUUU
I	6	JEFFERSON DESCHUTES RIV	121 18.5	IS	80000	45471	129913	39.439	
	NW		2313	860.0	324.6	45471	129913		UUUUUYYUU
		ROUND BUTTE DAM/STEELHEAD FA							
ORMNPP0294		JACK CREEK S/(CIRCLE M RANCH	44 29.4	OH	0	0	0	0	UUUUUUU
I	4	JEFFERSON JACK CREEK	121 39.0	OP	0	0	0	0	
	NW	LUNDGREN LEONARD	10	15.0	51.0	0	0		UUUUUUUUU
OR7NPP0298		JACKS CREEK	44 33.5	H	172.0	0	0	4213.0	UUUUUUU
D	5	JEFFERSON METOLIUS RIVE	121 36.4	IS	370000	11900	88500	47.605	
	NW		117	510.0	299.7	11900	88500		UUUUUUUUU
		SISTERS/WHITEWATER RIVER							
OR7NPP0296		JEFFERSON CREEK	44 39.4	H	50.0	0	0	4487.4	UYYYYUU
I	6	JEFFERSON METOLIUS RIVE	121 35.5	IS	640	25265	218522	20.535	
	NW		219	950.0	399.6	25265	218522		UUUUUYYUU
		WHITEWATER RIVER/COAST DRAWE							
OR6NPP0297		METOLIUS BENCH	44 36.9	H	380.0	0	0	8258.2	UNYYYUU
E	6	JEFFERSON METOLIUS RIVE	121 27.5	IS	282000	62036	339685	24.311	
	NW		318	1400.0	349.6	62036	339685		UUUUUUYUU
		FLY CREEK/METOLIUS BENCH/WHI							
ORINPP0305		PELTON DAM	44 41.6	H	205.0	108000	400000	954.84	UUUUUUU
D	5	JEFFERSON DESCHUTES RIV	121 13.8	OP	37300	12000	3000	318.28	
	NW	PORTLAND GENERAL ELECT	7800	4340.0	152.8	120000	403000		UUUUUUUUU
		MADRAS WEST/SEEKSEEQUA JUNCT							
ORCNPP0304		PELTON REGULATING DAM	44 43.4	H	85.0	0	0	827.41	NNUYUUN
I	2	JEFFERSON DESCHUTES RIV	121 14.7	FP	3500	15000	81135	10.198	
	NW	PORTLAND GENERAL ELECT	7820	4340.0	38.3	15000	81135		UNNNNNYYY
		MADRAS WEST							
ORINPP0306		ROUND BUTTE DAM	44 36.3	HR	440.0	247050	946000	0	UUUUUUU
D	5	JEFFERSON DESCHUTES RIV	121 16.6	OP	535000	0	0	0	
	NW	PORTLAND GENERAL ELECT	7600	4340.0	339.6	247050	946000		UUUUUUUUU
		ROUND BUTTE DAM/FLY CREEK/ST							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR5NPP0300	STEELHEAD FALLS	44 25.0	H	15.0	0	0	2599.4	UUUUUUU
D 5	JEFFERSON DESCHUTES RIV	121 16.9	IS	160	10904	61664	42.154	
NW		2157	600.0	284.7	10904	61664		UUUUUUUUU
	STEELHEAD FALLS/CLINE FALLS							
OR7NPP0301	WHITEWATER CREEK	44 40.4	H	78.0	0	0	3603.4	UYYYYUU
D 6	JEFFERSON METOLIUS RIVE	121 33.5	IS	6300	24116	205252	17.556	
NW		300	1350.0	259.7	24116	205252		UUUUUYYUU
	WHITEWATER RIVER/METOLIUS RI							
OR4NPP0309	AMENT	42 24.0	H	30.0	0	0	2847.2	UUUUUUU
I 5	JOSEPHINE ROGUE RIVER	123 13.9	IS	1150	12003	57636	49.400	
NW		2459	4000.0	29.9	12003	57636		UUUUUUUUU
	GRANTS PASS/GOLD HILL							
OR7NPP0307	BALD MOUNTAIN	42 24.0	H	125.0	0	0	4085.6	UYUUUUU
E 6	JOSEPHINE ILLINOIS RIVE	123 57.5	IS	7000	37261	199144	20.515	
NW		711	2500.0	439.2	37261	199144		UUUUUUUUU
	PEARSOLL PEAK/COLLIER BUTTE/							
OR6NPP0315	CLEAR CREEK	42 23.2	HCIRU	500.0	0	0	10851	UYYYUUU
I 6	JOSEPHINE ILLINOIS RIVE	123 50.1	IS	620000	152000	665800	16.299	
NW		665	2000.0	489.5	152000	665800		UYYYUYUUU
	PEARSOL PEAK/SELMA/CAVE JUNC							
OR6NPP0312	FALLS CREEK	42 17.9	HCIRU	365.0	0	0	10041	UYUUUUU
D 6	JOSEPHINE ILLINOIS RIVE	123 46.0	IS	2304000	106000	464000	21.641	
NW		567	1935.0	359.6	106000	464000		UUUUUUUUU
	CAVE JUNCTION/PEARSOLL PEAK/							
OR6NPP2627	KERBY	42 12.4	H	185.0	0	0	6138.6	UUUUUUU
E 5	JOSEPHINE ILLINOIS RIVE	123 40.5	IS	1000000	17707	64797	94.735	
NW		380	1312.0	134.8	17707	64797		UUUUUUUUU
	CAVE JUNCTION/ROGUE DRAWER							
OR6NPP0314	MURPHY	42 20.9	H	150.0	0	0	4060.1	UUUUUUU
I 5	JOSEPHINE APPLEGATE RIV	123 23.5	IS	195000	18661	55250	73.486	
NW		698	725.0	134.8	18661	55250		UUUUUUUUU
	GRANTS PASS							
OR6NPP2780	PEASE BRIDGE	42 38.4	CI	150.0	0	0	2358.4	UUUUUUU
E 5	JOSEPHINE GRAVE CREEK	123 13.9	IS	35000	1300	5800	406.62	
NW		27	60.0	144.8	1300	5800		UUUUUUUUU
	WIMER							

SITE ID / DEP ACTV CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR6NPP0316	RAMEY FALLS	42 38.4	OH	345.0	0	0	8872.2	UYYYUUU
I 6	JOSEPHINE ROGUE RIVER	123 41.4	IS	750000	100000	430000	20,633	
NW		3719	5700.0	299.7	100000	430000		UYYYUUUUU
	GALICE/GLENDALE/GRANTS PASS							
OR6NPP2773	SEXTON	42 33.5	CI	185.0	0	0	1836.1	UUUUUUU
D 5	JOSEPHINE JUMPOFF JOE C	123 20.9	IS	43700	1400	6000	306. 3	
NW		33	50.0	179.8	1400	6000		UUUUUUUUU
	GLENDALE							
OR6NPP0311	SUCKER CREEK	42 9.0	H	230.0	0	0	3154.3	UUUUUUU
I 5	JOSEPHINE SUCKER CREEK	123 28.0	IS	40000	5385	22906	137.70	
NW		76	210.0	203.7	5385	22906		UUUUUUUUU
	OREGON CAVES							
OR6SPN0049	BEAR SPRINGS	42 5.9	HC	30.0	0	0	3574.1	4114424
I 6	KLAMATH KLAMATH RIVER	122 4.2	SP	2800000	31910	133675	26.737	
NW	PACIFIC PWR. AND LT.	4080	1688.0	130.8	31910	133675		4344UUU41
OR6NPP2782	CRESCENT CREEK	43 30.5	I	75.0	0	0	2327.8	UUUUUUU
I 5	KLAMATH CRESCENT CREE	121 40.9	IS	32000	1051	5740	405.52	
NW		185	108.0	74.9	1051	5740		UUUUUUUUU
	CRYDER BUTTE/CRESCENT/ODELL							
ORGSPN0056	EAST AND WEST SIDES ON LINK	42 13.9	HC	60.0	4000	23000	0	3334424,
I 5	KLAMATH KLAMATH	121 47.5	OP	462400	0	0	0	
NW	PAC PWR AND LT.	3810	1599.0	46.9	4000	23000		532444U44,
ORCSPN0060	GERBER RESVERVOIR	42 12.0	I	88.0	0	0	0	44UU4U4,
I 5	KLAMATH MILLER CREEK	121 9.0	SI	94000	0	0	0	
NW			52000.0	63.0	0	0		UUUU34405,
ORGSPN0055	J.C.BOYLE	42 0.0	HC	0	82000	442614	0	5544435,
I 5	KLAMATH KLAMATH	122 0.0	OP	1900	0	0	0	
NW	PAC PWR AND LT.	3920	1876.0	439.5	82000	442614		443444454,
ORASPN0057	KENO	42 0.0	HC	300.0	0	0	3635.0	5344404,
I 2	KLAMATH KLAMATH	121 57.6	SI	18500	126248	284482	12,777	
NW	PAC PWR AND LTS	3920	1688.0	274.7	126248	284482		434544455,

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
OR5NPP0317	ODELL LAKE	43 35.5	ISH	13.0	0	0	1947.1	UUUUUUU
I 5	KLAMATH ODELL CREEK	121 54.0	IS	20000	2168	14746	132. 4	
NW		39	85.0	349.6	2168	14746		UUUUUUUUU
	ODELL LAKE/WALDO LAKE							
OR6SPN0050	SALT CAVES	42 4.7	HC	120.0	0	0	**********	3344424.
I 5	KLAMATH KLAMATH RIVER	122 4.7	SP	1200000	3077	14006	*777528448	
NW	PACIFIC PWR AND LIGHT	120	-56.9	424.5	3077	14006		3334UUU45.
ORCSPK9045	ALBERTSON DAM	42 2.7	I	0	0	0	38.505	33UU3U3
5	LAKE NORTH FORK WI	120 48.2	OP	1430	2	18	2028.1	
NW	HENRY ALBERTSON	4	-7.9	20.9	2	18		3333UUUUU
ORCSPK9043	COTTONWOOD DAM	42 14.6	I	0	0	0	37.455	33UU3U3
5	LAKE COTTONWOOD CR	120 30.4	OP	8700	3	31	1191.2	
NW	LAKEVIEW WATER USERS INC	32	20.0	51.9	3	31		3333UUUUU
OR7NPP0319	DEEP CREEK FALLS	42 10.4	H	100.0	0	0	1096.9	UUUUUUU
D 5	LAKE DEEP CREEK	119 57.5	IS	8300	3731	14712	74.554	
NW		249	128.0	399.6	3731	14712		UUUUUUUUU
	ADEL							
ORCSPK9042	DREWS DAM	42 5.9	I	60.0	0	0	38.431	33UU3U3
5	LAKE DREWS CREEK	120 37.0	OP	65000	6	60	639. 9	
NW	LSKEVIEW WATER USERS INC	203	70.0	54.9	6	60		3333UUUUU
ORCSPK9044	MUDDY CREEK DAM	42 11.6	I	0	0	0	0	33UU3U3
5	LAKE MUDDY CREEK	120 31.1	OP	1283	0	7	0	
NW	CHARLES K. KELLEY	13	-10.2	21.9	0	7		3333UUUUU
OR6NPP2073	ALMA	43 52.1	H	137.0	0	0	3364.3	UUUUUUU
I 5	LANE SIUSLAW RIVER	123 30.0	IS	164000	2084	10021	335.69	
NW		122	325.0	112.8	2084	10021		UUUUUUUUU
	CROW							
OR5NPP0370	AUGUSTA CREEK	43 59.0	H	10.0	0	0	1612.2	UNYYYUU
I 6	LANE SOUTH FORK MC	122 10.5	IS	185	6737	44956	35.863	
NW		71	280.0	429.5	6737	44956		UUUUUUYUU
	CHUCKSNEY MT.							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR6NPP0329	AUSTA NEW AUSTA	44 0.0	H	235.0	0	0	5382.3	UUUUUUU
D 5	LANE SIUSLAW RIVER	123 41.9	IS	513000	22805	48527	110.91	
NW		267	660.0	177.8	22805	48527		UUUUUUUUU
	ROMAN NOSE MOUNTAIN/CROW							
OR6NPP0474	BEAR CREEK	44 8.0	HC	195.0	0	0	7555.7	UNYYYUU
E 6	LANE MCKENZIE RIVE	122 28.4	IS	90000	70928	310526	24.332	
NW		931	4000.0	129.8	70928	310526		UYYUUUYUU
	BLUE RIVER							
OR7NPP0334	BELKNAP (FERC)	44 13.6	H	270.0	0	0	15727	UUUUUUU
E 5	LANE MCKENZIE RIVE	122 3.5	IS	220000	42369	348818	45. 88	
NW		400	1690.0	384.6	42369	348818		UUUUUUUUU
	MCKENZIE BRIDGE							
OR7NPP0335	BELKNAP (USGS)	44 11.0	H	165.0	0	0	5619.6	UYYYYUU
D 6	LANE MCKENZIE RIVE	122 5.9	IS	65000	27778	218328	25.739	
NW		232	1110.0	384.6	27778	218328		UUYUUYYUU
	MCKENZIE BRIDGE/ECHO MOUNTAI							
OR4NPP2692	BLACK CANYON	43 48.5	H	52.0	0	0	2896.2	UNYYUUU
I 6	LANE MIDDLE FORK W	122 34.9	IS	4580	19234	79906	36.245	
NW		928	2750.0	51.9	19234	79906		UUYUNNNNY
	HARDESTY MTN							
ORCNPP0411	BLUE RIVER	44 10.2	CR	270.0	0	0	634.81	NNUYUUN
S 2	LANE BLUE RIVER	122 19.7	OP	89000	8700	66000	9.6183	
NW	DAEN NPP	88	476.0	270.8	8700	66000		UNNNYNNYY
	BLUE RIVER							
OR7NPP0336	BOULDER CREEK	43 31.5	H	260.0	0	0	8814.3	UUUUUUU
I 5	LANE MIDDLE FORK W	122 26.9	IS	115000	7000	48000	183.63	
NW		223	800.0	369.6	7000	48000		UUUUUUUUU
	OAKRIDGE/TOKETEE FALLS							
OR6NPP0340	CAMPERS FLAT	43 30.0	H	485.0	0	0	13164	UUUUUUU
I 5	LANE MIDDLE FORK W	122 24.0	IS	474000	92371	148501	88.651	
NW		192	600.0	384.6	92371	148501		UUUUUUUUU
	OAKRIDGE/TOKETEE FALLS							
OR5NPP0371	CHRISTY CREEK	43 53.0	H	10.0	0	0	2024.9	UNYYYUU
I 6	LANE N FK MID FK W	122 23.5	IS	1	10066	64680	31.306	
NW		187	600.0	324.6	10066	64680		UUUUUUYUU
	SARDINE BUTTE							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR5NPP0337	COBURG	44 6.5	H	11.0	0	0	4730.9	UUUUUUU
I 5	LANE MCKENZIE RIVE	122 2.4	IS	510	17491	126685	37.343	
NW		1337	5970.0	49.9	17491	126685		UUUUUUUUU
	SPRINGFIELD/EUGENE EAST							
OR5NPP2779	COMBINATION (BLUE RIVER)	44 9.6	H	5.0	0	0	4054.3	UNYYYUU
E 6	LANE MCKENZIE RIVE	122 14.5	IS	1	21733	176280	22.999	
NW		544	2130.0	139.8	21733	176280		UUUUUUYUU
	MCKENZIE BRIDGE/BLUE RIVER							
OR4NPP0394	COOK CREEK	44 14.4	H	105.0	0	0	1314.5	UUUUUUU
I 5	LANE BLUE RIVER	122 13.9	IS	3100	2600	11300	116.33	
NW		33	170.0	99.9	2600	11300		UUUUUUUUU
	ECHO MT.							
ORCNPP0406	COTTAGE GROVE	43 42.8	CINRO	95.0	0	0	126.39	UUUUUUU
S 5	LANE COAST FORK WI	123 3.1	OP	32940	1264	6502	19.439	
NW	DAEN NPP	105	280.0	76.0	1264	6502		UUUUUUUUU
	ANLAUF							
ORINPP0413	COUGAR	44 7.3	HCIRNSU	473.0	25000	150000	1747.5	NNUYUUN
S 2	LANE S FK MCKENZIE	122 14.5	DM	219278	35000	24500	71.327	
NW	DAEN NPP	208	888.0	440.0	60000	174500		UNNNYYYYY
	MCKENZIE BRIDGE							
OR5NPP0341	DEERHORN	44 3.9	H	5.0	0	0	3801.8	UUUUUUU
D 5	LANE MCKENZIE RIVE	122 45.0	IS	1	10378	77405	49.115	
NW		1057	4520.0	39.9	10378	77405		UUUUUUUUU
	MARCOLA/LEABURG							
ORINPP0407	DEXTER REGULATOR DAM	43 55.0	HR	72.5	15000	80000	1182.9	UUYYUUU
D 2	LANE MIDDLE FORK W	122 48.8	FP	27500	15000	17520	67.520	
NW	DAEN NPP	996	2774.0	48.1	30000	97520		UUUUYYUUU
	LOWELL							
OR6NPP2681	DISSTON	43 42.0	H	150.0	0	0	2782.0	UUUUUUU
I 5	LANE ROW RIVER	122 46.5	IS	47000	7815	39878	69.762	
NW		138	392.0	149.8	7815	39878		UUUUUUUUU
	CULP CREEK/FAIRVIEW PEAK							
ORCNPP0409	DORENA	43 46.7	CIRNO	145.0	0	0	443.53	NNYUYNN
I 2	LANE ROW RIVER	122 57.2	OP	77500	5200	38000	11.671	
NW	DAEN NPP	265	754.0	105.8	5200	38000		YNNNYYNYY
	CULP CREEK/LOWELL							

SITE ID / PROJECT NAME / LATITUDE / PROJ.PURP. / DAM HT / EXIST.CAP. / EXIST.ENRG / ANUL. COST / ENVIRONMENTAL
PRIMARY CO. -NAME OF STREAM / LONGITUDE / STATUS / TOT. STOR / INC. CAP. / INC.ENERGY / ENERGY COST / IMPACT CODE
DEP ACTV / OWNER / DR.AREA / AVE. Q / PWR. HD. / TOT. CAP. / TOT.ENERGY /
CODE INV / MAP REFERENCE / (D M.M) / / (FT) / (KW) / (MWH) / (1000 $) /
/ / (D M.M) / / (AC FT) / (KW) / (MWH) / ($/MWH) / SOCIAL
POWER AREA / / (SQ.MI) / (CFS) / (FT) / (KW) / (MWH) / / IMPACT CODE
OR5NPP0395 / EUGENE CREEK / 44 3.5 / H / 80.0 / 0 / 0 / 1282.6 / YNYYYUU
D 6 / LANE HORSE CREEK / 122 0.4 / IS / 2800 / 6063 / 32035 / 40. 37 /
NW / 18 / 70.0 / 1278.7 / 6063 / 32035 / / UUUUUUUUU
/ MCKENZIE BRIDGE/THREE SISTER							
OR6NPP2778 / EUGENE MUNICIPAL POWER SITE / 44 7.8 / H / 153.0 / 0 / 0 / 6939.5 / UNYYYUU
D 6 / LANE MCKENZIE RIVE / 122 28.4 / IS / 109000 / 74161 / 324678 / 21.373 /
NW / 917 / 4000.0 / 137.8 / 74161 / 324678 / / UYYUUUYUU
/ BLUE RIVER							
ORCNPP0408 / FALL CREEK / 43 56.8 / CHINRSO / 180.0 / 0 / 0 / 917.15 / NNYYUUN
I 6 / LANE FALL CREEK / 122 45.3 / OP / 125000 / 15443 / 47939 / 19.131 /
NW / DAEN NPP / 180 / 582.0 / 169.0 / 15443 / 47939 / / YNNNYNNYY
/ LOWELL/HARDESTY MTN							
ORCNPP0414 / FERN RIDGE / 44 6.9 / CR / 46.0 / 0 / 0 / 270.38 / NNYUYYN
I 2 / LANE LONG TOM RIVE / 123 17.4 / OP / 116900 / 4335 / 10059 / 26.878 /
NW / DAEN NPP / 275 / 542.0 / 37.8 / 4335 / 10059 / / YNNNYYYYY
/ ELMIRA/EUGENE WEST							
OR6NPP0343 / FOLEY RIDGE / 44 10.0 / H / 295.0 / 0 / 0 / 18041 / UUUUUUU
D 5 / LANE MCKENZIE RIVE / 122 7.0 / IS / 220000 / 68800 / 315121 / 57.253 /
NW / 356 / 1690.0 / 289.7 / 68800 / 315121 / / UUUUUUUUU
/ MCKENZIE BRIDGE							
OR5NPP0373 / FOLEY SPRINGS / 44 9.0 / H / 10.0 / 0 / 0 / 1937.8 / UNYYYUU
I 6 / LANE HORSE CREEK / 122 5.5 / IS / 1 / 8366 / 71941 / 26.936 /
NW / 135 / 470.0 / 279.7 / 8366 / 71941 / / UUUUUUYUU
/ MCKENZIE BRIDGE							
OR7NPP2706 / FRENCH PETE CREEK / 44 2.3 / H / 167.0 / 0 / 0 / 2589.1 / UUUUUUU
I 5 / LANE SOUTH FORK MC / 122 12.4 / IS / 19000 / 7142 / 61197 / 42.307 /
NW / 158 / 635.0 / 199.8 / 7142 / 61197 / / UUUUUUUUU
/ MCKENZIE BRIDGE							
OR6NPP2707 / FRISSEL CREEK / 44 12.0 / H / 170.0 / 0 / 0 / 4272.7 / UYYYYUU
E 6 / LANE MCKENZIE RIVE / 122 2.5 / IS / 28000 / 21906 / 122401 / 34.907 /
NW / 248 / 1350.0 / 165.8 / 21906 / 122401 / / UUYUUYYUU
/ MCKENZIE BRIDGE/ECHO MTN							
OR6NPP2705 / FRYING PAN CREEK / 43 50.9 / H / 80.0 / 0 / 0 / 1711.9 / UUUUUUU
I 5 / LANE SIUSLAW RIVER / 123 25.5 / IS / 46000 / 3100 / 13500 / 126.80 /
NW / 100 / 270.0 / 65.9 / 3100 / 13500 / / UUUUUUUUU
/ CROW							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) / (AC FT) / (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR4NPP2796	GATE CREEK	44 7.8	H	40.0	0	0	3505.6	UNYYYUU
E 6	LANE MCKENZIE RIVE	122 33.0	IS	4300	21530	96634	36.277	
NW		947	4000.0	39.9	21530	96634		UYUUUUYUU
	LEABURG							
OR6NPP0338	GATE CREEK (CORPS OF ENGINEE	44 9.0	C	270.0	0	0	3112.2	UUUUUUU
D 5	LANE GATE CREEK	122 33.9	SI	60000	4769	20888	148.99	
NW	CORPS OF ENGINEERS-NPP	48	223.0	252.7	4769	20888		UUUUUUUUU
	LEABURG							
OR5NPP0375	HALO CREEK	43 47.5	H	10.0	0	0	1218.8	UUUUUUU
I 5	LANE SALMON CREEK	122 15.4	IS	1	3060	26734	45.590	
NW		85	210.0	699.3	3060	26734		UUUUUUUUU
	SARDINE BUTTE/CHUCKSNEY MTN/							
OR5NPP0396	HARVEY CREEK	44 5.9	H	10.0	0	0	1324.7	YNUUUUU
I 6	LANE SEPERATION CR	121 58.4	IS	1	7000	61000	21.717	
NW		17	200.0	849.1	7000	61000		UUUUUUUUU
	THREE SISTERS							
OR5NPP0330	HAYDEN BRIDGE	44 3.9	HC	6.0	0	0	5621.3	UNYYYUU
D 6	LANE MCKENZIE RIVE	122 58.0	IS	2	23941	178580	31.478	
NW		1084	4640.0	89.9	23941	178580		UUUUUUYUU
	MARCOLA							
ORINPP0412	HILLS CREEK	43 42.6	CHISRNO	304.0	30000	170000	1283.0	NNYYUUN
I 2	LANE M FK WILLAMET	122 26.0	FP	356000	15000	15000	85.535	
NW	DAEN NPP	389	1138.0	283.7	45000	185000		UNNNYYNNY
	OAKRIDGE							
OR6NPP0397	HORSE CREEK(STORAGE)	44 8.2	HC	375.0	0	0	6290.1	YNYYYUU
E 6	LANE HORSE CREEK	122 3.5	IS	85000	33987	155715	40.395	
NW		136	490.0	374.6	33987	155715		UUUUUUUUU
	MCKENZIE BRIDGE/THREE SISTER							
OR5NPP0345	HORSE CREEK DIVERSION	44 9.0	H	5.0	0	0	2186.8	UNYYYUU
D 6	LANE HORSE CREEK	122 9.0	IS	1	9401	80686	27.102	
NW		140	490.0	299.7	9401	80686		UUUUUUYUU
	MCKENZIE BRIDGE							
OR7NPP0374	HUCKLEBERRY CREEK (MILE 6.7)	43 48.9	H	340.0	0	0	4474.0	UUUUUUU
I 5	LANE N FK OF MID F	122 24.4	IS	116000	13325	85830	52.126	
NW		215	690.0	376.6	13325	85830		UUUUUUUUU
	SARDINE BUTTE							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR5NPP0399	LAKES AREA DIVERSION	43 57.0	H	40.0	0	0	881.30	YNYYYUU
I 6	LANE SOUTH FORK MC	122 2.4	IS	17	3644	30013	29.363	
NW		16	65.0	999.0	3644	30013		UUUUUUYUU
	PACKSADDLE MTN/CHUCKSNEY MTN							
ORHNPP0416	LEABURG DAM	44 8.2	H	22.0	13500	108900	3459.2	NNYYUUN
I 6	LANE MCKENZIE RIVE	122 36.4	IS	345	20000	105000	32.945	
NW	CITY OF EUGENE-EWEB	1000	4400.0	88.5	33500	213900		UNNNNNNNY
	LEABURG							
OR6NPP0400	LOOKOUT CREEK	44 11.4	H	315.0	0	0	9139.6	UUUUUUU
I 5	LANE BLUE RIVER	122 15.4	IS	173000	3008	14566	627.45	
NW		33	190.0	302.6	3008	14566		UUUUUUUUU
	MCKENZIE BRIDGE/BLUE RIVER/E							
ORINPP0410	LOOKOUT POINT	43 54.8	CINHRO	253.0	120000	330000	1993.4	UUUUUUU
I 5	LANE MIDDLE FORK W	122 45.0	FP	456000	40000	701	2843.6	
NW	DAEN NPP	991	2760.0	232.9	160000	330701		UUUUUUUUU
	LOWELL/HARDESTY MTN							
OR6NPP0344	LOOKOUT POINT 2 (UPPER LOOKO	43 46.9	CH	258.0	0	0	7404.1	UNUUUUU
I 6	LANE MIDDLE FK. WI	122 32.4	IS	582000	54400	100000	74. 41	
NW		915	2750.0	231.7	54400	100000		UYYUUUUUU
	HARDESTY MTN/SARDINE BUTTE/F							
OR5NPP0401	LOST CREEK	44 11.0	H	10.0	0	0	1767.0	UYYYYUU
I 6	LANE LOST CREEK	122 5.9	IS	1	12900	56600	31.219	
NW		50	340.0	249.7	12900	56600		YUUUUYYUU
	MCKENZIE BRIDGE							
OR6NPP0346	LOW MAPLETON	44 3.9	H	95.0	0	0	2625.3	UUUUUUU
D 5	LANE SIUSLAW RIVER	123 48.0	IS	35000	3256	16098	163. 7	
NW		599	1875.0	74.9	3256	16098		UUUUUUUUU
	MAPLETON							
OR5NPP0347	MCKENZIE BRIDGE (DOWNSTREAM)	44 9.4	H	10.0	0	0	4058.3	UYYYUUU
E 6	LANE MCKENZIE RIVE	122 15.0	IS	1	31156	216499	18.745	
NW		353	2130.0	224.7	31156	216499		YUUUUYYUU
	MCKENZIE BRIDGE							
OR5NPP2719	MCKENZIE BRIDGE (UPSTREAM)	44 10.2	H	50.0	0	0	4609.0	UYYYYUU
D 6	LANE MCKENZIE RIVE	122 7.9	IS	5500	35718	268994	17.134	
NW		360	1690.0	289.7	35718	268994		YYYUUYYUU
	MCKENZIE BRIDGE							

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ MI)	PROJ.PURP. / STATUS (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG INC.ENERGY TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR5NPP0348	MESA CREEK	44 4.9	H	10.0	0	0	2114.7	YNUUUUU
D 6	LANE MESA CREEK	121 53.5	IS 1		36400	159300	13.275	
NW		15	165.0	1448.5	36400	159300		UUUUUUUUU
	THREE SISTERS							
OR6NPP0349	MILE 56	43 37.5	H	315.0	0	0	8856.1	UUUUUUU
I 5	LANE MIDDLE FORK W	122 26.0	IS	260000	23147	84989	104.20	
NW		258	800.0	181.8	23147	84989		UUUUUUUUU
	OAKRIDGE							
OR6NPP0332	MILE 6.7	43 48.3	HC	500.0	0	0	10771	UUUUUUU
D 5	LANE N FK MID FK W	122 26.0	IS	299400	86972	139813	77. 38	
NW		232	745.0	299.7	86972	139813		UUUUUUUUU
	SARDINE BUTTE							
OR6NPP2723	MOHAWK	44 5.3	C	75.0	0	0	3550.5	UUUUUUU
I 5	LANE MOHAWK RIVER	122 57.4	IS	105000	3000	14523	244.47	
NW		180	547.0	74.9	3000	14523		UUUUUUUUU
	MARCULA							
OR6NPP2724	MOHAWK NUMBER 1	44 15.0	I	94.0	0	0	2360.6	UUUUUUU
I 5	LANE MOHAWK RIVER	122 46.5	IS	11100	2200	9800	240.87	
NW		35	156.0	93.9	2200	9800		UUUUUUUUU
	MARCULA/BROWNSVILLE							
OR6NPP2726	MOSBY CREEK	43 39.6	I	160.0	0	0	1932.7	UUUUUUU
I 5	LANE MOSBY CREEK	122 56.5	IS	47129	1725	8557	225.84	
NW		62	251.0	159.8	1725	8557		UUUUUUUUU
	CULP CREEK							
OR4NPP2748	NICHOLS	44 7.8	H	60.0	0	0	3578.3	YNYYYUU
E 6	LANE MCKENZIE RIVE	122 31.0	IS	5600	22688	126552	28.275	
NW		939	4000.0	56.9	22688	126552		UYYUUUYUU
	LEABURG/BLUE RIVER							
OR6NPP2749	NIMROD (DEER CREEK)	44 6.5	HC	350.0	0	0	20629	UNYYYUU
E 6	LANE MCKENZIE	122 28.0	IS	756000	212800	932100	22.132	
NW		913	4000.0	344.6	212800	932100		UYYUUUUUU
	BLUE RIVER/MCKENZIE BRIDGE							
OR5NPP0402	NORTH FORK NUMBER 1	43 28.1	H	20.0	0	0	2334.0	UNYYYUU
E 6	LANE SALAMON CREEK	122 15.4	IS	160	18500	103000	22.660	
NW		83	210.0	580.0	18500	103000		UUUUUUUUU
	SARDINE BUTTE							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) / (D M,M) / (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) / (AC FT) / (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) / (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) / (MWH)	ANUL. COST / ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR5NPP2751	NORTH FORK NUMBER 2	43 46.7	H	60.0	0	0	3862.4	UNYYYUU
I 6	LANE NORTH FK OF M	122 28.0	IS	2100	23600	140018	27.584	
NW		210	600.0	539.4	23600	140018		UUUUUUYUU
	SARDINE BUTTE							
OR6NPP2750	NORTH FORK	44 2.3	H	115.0	0	0	2949.9	UUUUUUU
I 5	LANE NORTH FORK SI	124 1.0	IS	55200	9700	42500	69.409	
NW		39	205.0	91.9	9700	42500		UUUUUUUUU
	MAPLETON							
OR6NPP0333	PARADISE	44 10.0	HC	150.0	0	0	5963.2	UYYYYUU
E 6	LANE MCKENZIE RIVE	122 7.9	IS	70000	33143	156202	38.176	
NW		354	1690.0	144.8	33143	156202		UYYUUYYUU
	MCKENZIE BRIDGE							
OR6NPP0350	QUARTZ CREEK	44 7.3	H	335.0	0	0	16197	UNYYYUU
E 6	LANE MCKENZIE RIVE	122 23.2	IS	1175000	128000	665800	24.327	
NW		899	4000.0	239.7	128000	665800		UYYUUUUUU
	BLUE RIVER/MCKENZIE BRIDGE							
OR7NPP0378	REBEL CREEK	44 0.9	H	155.0	0	0	3225.8	UUUUUUU
D 5	LANE SOUTH FORK MC	122 10.5	IS	14500	5509	36529	88.307	
NW		117	465.0	209.7	5509	36529		UUUUUUUUU
	MCKENZIE BRIDGE/CHUCKSNEY MT							
OR6NPP2755	RENNIE	44 7.8	CH	174.0	0	0	8048.3	UNYYYUU
E 6	LANE MCKENZIE RIVE	122 28.4	IS	72000	92553	405199	19.862	
NW		929	4000.0	169.8	92553	405199		UYYUUUYUU
	BLUE RIVER							
OR5NPP0403	ROARING RIVER	43 57.0	H	40.0	0	0	1698.9	YNUUUUU
D 6	LANE ROARING RIVER	122 5.5	IS	1	24500	107500	15.804	
NW		9	190.0	849.1	24500	107500		UUUUUUUUU
	CHUCKSNEY MTN							
OR4NPP0380	ROCKY POINT-LOW	43 43.4	HC	53.0	0	0	1736.2	UUUUUUU
E 5	LANE ROW RIVER	122 51.4	IS	2860	5111	21340	81.359	
NW		234	600.0	52.9	5111	21340		UUUUUUUUU
	CULP CREEK							
OR6NPP0379	ROCKY POINT-HIGH	43 43.4	CH	420.0	0	0	20383	UUUUUUU
D 5	LANE ROW RIVER	122 51.4	IS	790000	147254	151032	134.95	
NW		211	600.0	414.5	147254	151032		UUUUUUUUU
	CULP CREEK/FAIRVIEW PEAK							

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) / (D M,M) / (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) / (AC FT) / (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) / (KW) / (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) / (MWH) / (MWH)	ANUL. COST / ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR5NPP0352	SALMON CREEK	43 46.3	H	60.0	0	0	2248.7	UNYYYUU
I 6	LANE SALMON CREEK	122 10.0	IS	1250	30000	162000	13.881	
NW		33	80.0	999.0	30000	162000		UUUUUUYUU
	CHUCKSNEY MTN/SARDINE BUTTE							
OR5NPP0382	SALT-SALMON CREEK	43 45.0	H	10.0	0	0	3885.1	UNYYYUU
D 6	LANE SALMON CREEK-	122 24.4	IS	1	60700	266000	14.605	
NW		154	555.0	719.2	60700	266000		UUUUUUYUU
	SARDINE BUTTE/OAK RIDGE							
OR6NPP0353	SAND PRAIRIE	43 36.5	HC	460.0	0	0	25561	UUUUUUU
D 5	LANE MIDDLE FORK W	122 26.9	IS	836800	118320	190229	134.37	
NW		258	800.0	366.6	118320	190229		UUUUUUUUU
	OAK RIDGE/TOKETEE FALLS							
OR4NPP2772	SCOTT CREEK DAM	44 11.4	H	40.0	0	0	5361.6	UYYYYUU
E 6	LANE MCKENZIE RIVE	122 2.5	IS	1100	37963	168572	31.806	
NW		1690	350.0	38.9	37963	168572		YUUUUYYUU
	MCKENZIE BRIDGE							
OR5NPP0404	SEPARATION CREEK	44 7.5	H	20.0	0	0	1561.7	YNUUYUU
D 6	LANE HORSE CREEK	122 1.9	IS	53	8359	36888	42.337	
NW		45	180.0	739.2	8359	36888		UUUUUUUUU
	MCKENZIE BRIDGE							
OR5NPP0354	SOUTH FORK	44 9.0	H	15.0	0	0	5735.7	UNYYYUU
D 6	LANE MCKENZIE RIVE	122 18.9	IS	1	65400	286600	20. 13	
NW		701	3075.0	139.8	65400	286600		UUUUUUYUU
	MCKENZIE BRIDGE/BLUE RIVER							
OR5NPP0405	STALEY CREEK	43 30.3	H	25.0	0	0	1847.8	UUUUUUU
D 5	LANE MIDDLE FORK W	122 18.0	IS	270	6500	46000	40.170	
NW		108	360.0	389.6	6500	46000		UUUUUUUUU
	OAKRIDGE/TOKETEE FALLS							
OR6NPP0339	STRUBE REREGULATING DAM	44 8.6	H	55.0	0	0	2203.1	UNYYYNU
S 2	LANE S FK.MCKENZIE	122 14.3	DM	3500	4600	21300	103.43	
NW	DAEN NPP	210	888.0	25.9	4600	21300		YNYNYYYYY
	BLUE RIVER/MCKENZIE BRIDGE							
OR5NPP0355	SWIFT CREEK	43 28.4	H	45.0	0	0	1661.6	UNYYYUU
I 6	LANE M FK WILLAMET	122 14.5	IS	240	7000	42000	39.563	
NW		41	140.0	799.2	7000	42000		UUUUNNNNY
	SUMMIT LAKE/TOKETEE FALLS/OA							

SITE ID / PROJECT NAME / LATITUDE / PROJ.PURP. / DAM HT / EXIST.CAP. / EXIST.ENRG / ANUL. COST / ENVIRONMENTAL
PRIMARY CO. -NAME OF STREAM / LONGITUDE / STATUS / TOT. STOR / INC. CAP. / INC.ENERGY / ENERGY COST / IMPACT CODE
DEP ACTV / OWNER / DR.AREA / AVE. Q / PWR. HD. / TOT. CAP. / TOT.ENERGY /
CODE INV / MAP REFERENCE / (D M.M) / / (FT) / (KW) / (MWH) / (1000 $) /
/ / (D M.M) / / (AC FT) / (KW) / (MWH) / (S/MWH) / SOCIAL
POWER AREA / / (SQ MI) / (CFS) / (FT) / (KW) / (MWH) / / IMPACT CODE
OR7NPP0366 / SWISSHOME / 44 3.5 / RCIH / 285.0 / 0 / 0 / 5677.9 / UUUUUUU
I 5 / LANE / SIUSLAW RIVER / 123 48.0 / IS / 562000 / 8199 / 34107 / 166.46 /
NW / / 224 / 880.0 / 299.7 / 8199 / 34107 / / UUUUUUUUU
/ MAPLETON/BLACHLY / / / / / / / /
OR7NPP0356 / THREE SISTERS / 44 5.9 / H / 100.0 / 0 / 0 / 1370.0 / YNUUUUU
D 6 / LANE / SEPARATION CR / 121 52.5 / IS / 5300 / 9100 / 79700 / 17.190 /
NW / / 5 / 80.0 / 1298.7 / 9100 / 79700 / / UUUUUUUUU
/ THREE SISTERS / / / / / / / /
OR6NPP2758 / THURSTON RESERVOIR / 44 3.5 / C / 160.0 / 0 / 0 / 15181 / YNYYYUU
E 2 / LANE / MCKENZIE RIVE / 122 53.5 / IS / 640000 / 102645 / 449396 / 33.781 /
NW / / 1130 / 4640.0 / 154.8 / 102645 / 449396 / / UYYYUUYUU
/ MARCOLA/LEABURG / / / / / / / /
OR7NPP0326 / TRIANGLE LAKE (HIGH) / 44 10.0 / H / 75.0 / 0 / 0 / 2833.4 / UUUUUUU
E 5 / LANE / LAKE CREEK / 123 33.9 / IS / 160000 / 4272 / 16751 / 169.14 /
NW / / 52 / 210.0 / 334.6 / 4272 / 16751 / / UUUUUUUUU
/ BLACHLY/ELMIRA / / / / / / / /
OR7NPP2671 / TRIANGLE LAKE (LOW) / 44 9.6 / H / 46.0 / 0 / 0 / 2156.9 / UUUUUUU
D 5 / LANE / LAKE CREEK / 123 34.0 / IS / 80000 / 3571 / 13754 / 156.81 /
NW / / 50 / 210.0 / 279.7 / 3571 / 13754 / / UUUUUUUUU
/ BLACHLY / / / / / / / /
OR6NPP0357 / TWISTY CREEK / 44 12.4 / H / 332.0 / 0 / 0 / 6477.3 / UYYYYUU
E 0 / LANE / MCKENZIE RIVE / 122 3.0 / IS / 255000 / 46000 / 160000 / 40.483 /
NW / / 248 / 1350.0 / 326.6 / 46000 / 160000 / / UUYUUYYUU
/ MCKENZIE BRIDGE/ECHO MT / / / / / / / /
OR6NPP0381 / UPPER NORTH FORK / 43 53.4 / H / 560.0 / 0 / 0 / 11100 / UUUUUUU
I 5 / LANE / N FK MID FK W / 122 18.5 / IS / 718600 / 20000 / 69000 / 160.87 /
NW / / 115 / 365.0 / 313.6 / 20000 / 69000 / / UUUUUUUUU
/ SARDINE BUTTE/CHUCKSNEY MTN / / / / / / / /
OR7NPP0367 / UPPER SIUSLAW-HIGH / 44 3.5 / H / 175.0 / 0 / 0 / 3445.3 / UUUUUUU
D 5 / LANE / SIUSLAW RIVER / 123 48.0 / IS / 125000 / 5531 / 27813 / 123.87 /
NW / / 353 / 940.0 / 229.7 / 5531 / 27813 / / UUUUUUUUU
/ MAPLETON/ROMAN NOSE MTN/BLAC / / / / / / / /
OR7NPP0368 / UPPER SIUSLAW-LOW / 44 3.5 / H / 175.0 / 0 / 0 / 2897.1 / UUUUUUU
E 5 / LANE / SIUSLAW RIVER / 123 48.0 / IS / 125000 / 4329 / 21767 / 133. 9 /
NW / / 353 / 940.0 / 179.8 / 4329 / 21767 / / UUUUUUUUU
/ MAPLETON/ROMAN NOSE MTN/BLAC / / / / / / / /

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG INC.ENERGY TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR5NPP2718	VIDA	44 7.8	H	5.0	0	0	6587.8	UNYYUUU
E 6	LANE MCKENZIE RIVE	122 31.0	IS	70	30000	240000	27.449	
NW		899	4000.0	199.8	30000	240000		UUUUUUYUU
	LEABURG/BLUE RIVER							
OR5NPP0358	VIDA DIVERSION	44 8.4	H	5.0	0	0	6147.1	UNYYYUU
D 6	LANE MCKENZIE RIVE	122 35.0	IS	1	63800	279600	21.985	
NW		931	4000.0	104.8	63800	279600		UUUUUUYUU
	BLUE RIVER/LEABURG							
OR6NPP2760	VIDA NUMBER 3	44 8.4	HC	105.0	0	0	8203.8	YNYYYUU
E 6	LANE MCKENZIE RIVE	122 34.9	IS	50000	49972	250546	32.743	
NW		1014	4000.0	99.9	49972	250546		UYYYUUYUU
	LEABURG/BLUE RIVER							
ORDNPP0327	WALDO LAKE-FERC	43 44.0	H	74.0	0	0	1081.2	UNYYYUU
E 6	LANE BLACK CREEK	122 11.9	OP	300000	21000	29000	37.284	
NW		30	45.0	1958.0	21000	29000		YUUUUUYUU
	WALDO LAKE/CHUCKSNEY MTN							
ORDNPP0328	WALDO LAKE-USGS	43 44.0	H	74.0	0	0	1216.4	UNYYYUU
D 6	LANE BLACK CREEK	122 11.9	OP	300000	20300	88800	13.698	
NW		30	45.0	2691.3	20300	88800		YUUUUUYUU
	WALDO LAKE/CHUCKSNEY MTN							
ORHNPP0417	WALTERVILLE DAM (POWER INTAK	44 4.1	H	10.0	8000	70000	0	UUUUUUU
D 5	LANE MCKENZIE RIVE	122 50.1	OP	345	0	0	0	
NW	CITY OF EUGENE-EWEB	1077	4640.0	56.0	8000	70000		UUUUUUUUU
	WALTERVILLE/MARCOLA							
OR6NPP2763	WENDLING	44 11.4	CI	120.0	0	0	1198.7	UUUUUUU
I 5	LANE MILL CREEK	122 46.0	IS	12800	1700	7600	157.73	
NW		23	95.0	119.8	1700	7600		UUUUUUUUU
	MARCULA/LEABURG							
OR6NPP0418	DRIFT CREEK	44 54.0	H	175.0	0	0	1675.8	UUUUUUU
E 5	LINCOLN DRIFT CREEK	123 54.9	IS	30000	3200	14100	118.85	
NW		31	223.0	94.9	3200	14100		UUUUUUUUU
	EUCHRE MTN							
OR7NPP0419	DRIFT CREEK DIVERSION	44 54.0	HICRS	275.0	0	0	3345.6	UNYYYUU
D 6	LINCOLN DRIFT CREEK/S	123 54.9	IS	95300	15400	67400	49.639	
NW		31	225.0	449.5	15400	67400		UUUUUUYUU
	EUCHRE MTN							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR6NPP0422	ELK CITY	44 36.9	ORICH	255.0	0	0	9679.1	UNYYYUU
I 6	LINCOLN YAQUINA RIVER	123 52.0	IS	1520000	39000	172000	56.273	
NW		173	1035.0	249.7	39000	172000		YYYYUUUUU
	MARYS PEAK/TOLEDO							
OR4NPP0423	EUCHRE CREEK	44 47.5	H	10.0	0	0	3013.1	UYYYYUU
I 6	LINCOLN SILETZ RIVER	123 54.0	IS	50	14200	117000	25.753	
NW		112	1040.0	254.7	14200	117000		UUYUUYYUU
	EUCHRE MTN							
OR6NPP2676	FALLS NUMBER 1	44 51.5	H	240.0	0	0	3926.1	UUUUUUU
I 5	LINCOLN SILETZ RIVER	123 43.9	IS	175870	18719	47170	83.231	
NW		83	676.0	239.7	18719	47170		UUUUUUUUU
	VALSETZ/EUCHRE MTN							
OR6NPP0420	HOLMAN CREEK	44 50.9	H	175.0	0	0	3005.2	UYYYYUU
I 6	LINCOLN SILETZ RIVER	123 45.0	IS	22000	19900	87100	34.503	
NW		87	770.0	169.8	19900	87100		UUYUUYYUU
	VALSETZ/EUCHRE MTN							
OR7NPP2670	SALMON	45 0.0	H	160.0	0	0	2947.1	UUUUUUU
D 5	LINCOLN SALMON RIVER	123 52.9	IS	27300	5800	25600	115.12	
NW		24	120.0	320.0	5800	25600		UUUUUUUUU
	HEBO							
OR6NPP0432	SAM CREEK	44 43.4	H	130.0	0	0	5408.8	UUUUUUU
I 5	LINCOLN SILETZ RIVER	123 50.0	IS	176000	20911	80514	67.179	
NW		195	1480.0	124.8	20911	80514		UUUUUUUUU
	TOLEDO/EUCHRE MTN/MARYS PEAK							
OR6NPP0424	SCOTT MOUNTAIN	44 26.0	H	320.0	0	0	11304	YYYYUUU
I 6	LINCOLN ALSEA RIVER	123 48.9	IS	2000000	130379	257950	43.822	
NW		321	1475.0	236.7	130379	257950		UYYYUYUUU
	TIDEWATER/ALSEA/MAPLETON							
OR6NPP2775	SLICK ROCK CREEK	44 27.6	H	240.0	0	0	2669.3	UUUUUUU
I 5	LINCOLN DRIFT CREEK	123 54.1	IS	72000	4772	20431	130.64	
NW		42	220.0	224.7	4772	20431		UUUUUUUUU
	TIDEWATER/TOLEDO							
OR6NPP2792	SUNSHINE CREEK (RESERVOIR)	44 47.3	H	350.0	0	0	4664.3	UUUUUUU
D 5	LINCOLN SILETZ RIVER	123 46.9	IS	270000	15100	66300	70.351	
NW		119	996.0	344.6	15100	66300		UUUUUUUUU
	EUCHRE MTN/VALSETZ							

SITE ID / DEP / ACTV / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	NAME OF STREAM	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR7NPP0425	SUNSHINE CREEK (DIVERSION)		44 46.9	H	165.0	0	0	3114.2	UUUUUUU
D 5	LINCOLN	SILETZ RIVER	123 46.9	IS	32500	13847	85244	36.532	
NW			109	900.0	499.5	13847	85244		UUUUUUUUU
	EUCHRE MTN								
OR7NPP0426	THE FALLS		44 51.5	HCIRU	240.0	0	0	3555.5	UYYYYUU
D 6	LINCOLN	SILETZ RIVER	123 43.9	IS	175000	13774	43280	82.152	
NW			75	700.0	299.7	13774	43280		UUYUUYYUU
	VALSETZ/EUCHRE MTN								
OR6NPP0427	TIDEWATER		44 24.0	H	85.0	0	0	2842.6	UUUUUUU
I 5	LINCOLN	ALSEA RIVER	123 54.9	IS	40000	6765	32936	86.308	
NW			357	1640.0	69.9	6765	32936		UUUUUUUUU
	TIDEWATER								
OR6NPP0421	TROUT CREEK		44 27.4	H	255.0	0	0	3879.9	UUUUUUU
I 5	LINCOLN	DRIFT CREEK	123 58.0	IS	122000	12400	54100	71.717	
NW			62	325.0	199.8	12400	54100		UUUUUUUUU
	TIDEWATER								
OR6NPP2711	UDP ORU0909		45 1.1	SRI	90.0	0	0	929.98	UUUUUUU
I 5	LINCOLN	SALMON RIVER	123 49.0	IS	5620	1800	7800	119.22	
NW			21	131.0	89.9	1800	7800		UUUUUUUUU
	HEBO								
ORKNPP0434	ALBANY		44 38.4	H	10.0	800	3700	0	UUUUUUU
D 5	LINN	SOUTH SANTIAM	123 7.0	OP	1	0	0	0	
NW	PACIFIC POWER AND LIGHT		690	2990.0	36.0	800	3700		UUUUUUUUU
	ONEHORSE SLOUGH/LEBANON/TANG								
OR7NPP0440	BEAR CREEK		44 30.0	H	405.0	0	0	5945.3	UUUUUUU
D 5	LINN	MIDDLE SANTIA	122 22.9	IS	205000	20406	136357	43.601	
NW			87	500.0	799.2	20406	136357		UUUUUUUUU
	QUARTZVILLE/CASCADIA/DETROIT								
OR5NPP0441	BEAVER MARSH		44 19.5	H	6.0	0	0	1551.2	UNUUYUU
I 6	LINN	MCKENZIE RIVE	122 0.4	IS	432	8167	38108	40.705	
NW			92	476.0	379.6	8167	38108		UUUUUUYUU
	THREE FINGERED JACK								
ORINPP0464	BIG CLIFF		44 44.8	H	106.0	18000	100000	1263.0	UUUUUUU
D (5)	LINN	NORTH SANTIAM	122 17.3	OP	5930	18000	15660	80.653	
NW	DAEN NPP		452	2000.0	88.3	36000	115660		UUUUUUUUU
6?	MILL CITY/QUARTZVILLE								

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR5NPP0442	BRUNO	44 39.0	H	5.0	0	0	1384.3	UUUUUUU
I 5	LINN NORTH SANTIAM	121 56.9	IS	13	3310	23010	60.161	
NW		110	510.0	114.8	3310	23010		UUUUUUUUU
	MT JEFFERSON							
OR6NPP0454	CASCADIA (RESERVOIR)	44 24.6	HCINR	272.0	0	0	4434.7	YYYYYUU
D 6	LINN SOUTH SANTIAM	122 31.5	SI	160000	18682	77201	57.444	
NW	DAEN NPP	193	825.0	181.8	18682	77201		YYYUUYUUU
	SWEET HOME/CASCADIA							
OR7NPP0453	CASCADIA (DIVERSION)	44 24.0	H	235.0	0	0	4161.7	UUUUUUU
E 5	LINN SOUTH SANTIAM	122 33.9	IS	166200	12360	74306	56. 7	
NW		181	850.0	319.6	12360	74306		UUUUUUUUU
	SWEET HOME/CASCADIA							
OR5NPP0455	CHIMNEY PEAK	44 30.0	H	15.0	0	0	1831.8	UUUUUUU
D 5	LINN MIDDLE SANTIA	122 16.0	IS	280	6734	44860	40.835	
NW		52	320.0	439.5	6734	44860		UUUUUUUUU
	QUARTZVILLE/DETROIT							
OR4NPP2781	CRABTREE CREEK	43 35.9	RI	67.0	0	0	1428.5	UUUUUUU
I 5	LINN CRABTREE CREE	122 42.4	IS	4020	2600	11200	127.54	
NW		65	251.0	66.9	2600	11200		UUUUUUUUU
	SNOW PEAK							
ORINPP0465	DETROIT	44 43.0	HNCI	383.0	100000	367745	2071.8	NNYUUUN
I 2	LINN NORTH SANTIAM	122 15.0	OP	455000	50000	123000	16.844	
NW	DAEN NPP	438	1940.0	361.4	150000	490745		UNNNNNNNY
	DETROIT							
OR5NPP0456	FISH LAKE	44 23.0	H	10.0	0	0	973.71	UUUUUUU
D 5	LINN MCKENZIE RIVE	121 58.9	IS	1	3300	14600	66.692	
NW		55	250.0	87.9	3300	14600		UUUUUUUUU
	ECHO MOUNTAIN/THREE FINGERED							
ORINPP0467	FOSTER REREGULATION DAM	44 24.8	HCIRNO	126.0	20000	110000	1278.7	NYUYUUN
I 6	LINN SOUTH SANTIAM	122 39.8	OP	60700	10000	27200	47. 11	
NW	DAEN NPP	494	2538.0	114.3	30000	137200		YNNNNYNNY
	SWEET HOME							
ORINPP0466	GREEN PETER	44 27.4	CHRINO	327.0	80000	230000	1743.6	NNUYUUN
I 2	LINN MIDDLE SANTIA	122 31.5	OP	430000	40000	114000	15.295	
NW	DAEN NPP	277	1581.0	317.8	120000	344000		YNNNNNNNY
	SWEET HOME/QUARTZVILLE/CASCA							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
OR6NPP0443	HOLLEY (CORPS OF ENGINEERS)	44 20.9	C	160.0	0	0	3801.9	UUUUUUU
D 5	LINN CALAPOOYA RIV	122 46.9	SI	131000	5360	23620	160.95	
NW	CORPS OF ENGINEERS=NPP	105	444.0	129.8	5360	23620		UUUUUUUUU
	BROWNSVILLE/SWEET HOME							
OR6NPP2784	JORDAN	44 43.2	IC	130.0	0	0	2882.3	UUUUUUU
I 5	LINN THOMAS CREEK	122 42.4	IS	55000	5547	25579	112.68	
NW		70	300.0	126.8	5547	25579		UUUUUUUUU
	SNOW PEAK							
ORGNPP0435	LEBANON	44 35.9	H	0	144	450	0	UUUUUUU
D 5	LINN SOUTH SANTIAM	123 0.0	OP	0	0	0	0	
NW	PACIFIC POWER AND LIGHT		0	10.0	144	450		UUUUUUUUU
OR5NPP0458	LOG POND	44 23.4	H	10.0	0	0	867.68	UUUUUUU
D 5	LINN WILEY CREEK	122 39.0	IS	1	1581	9017	96.227	
NW		52	230.0	154.8	1581	9017		UUUUUUUUU
	SWEET HOME							
OR5NPP2743	LOWER FALLS	44 19.1	H	45.0	0	0	2222.4	UYYYYUU
I 6	LINN MCKENZIE RIVE	122 1.0	IS	113	9838	82972	26.785	
NW		146	500.0	269.7	9838	82972		UUUUUYYUU
	ECHO MOUNTAIN							
OR6NPP0444	LYONS	44 46.9	H	290.0	0	0	6955.0	UUUUUUU
I 5	LINN LITTLE NORTH	122 25.5	IS	290000	96537	113938	61.41	
NW		93	660.0	284.7	96537	113938		UUUUUUUUU
	MILL CITY							
OR5NPP0445	MEHAMA NUMBER 2	44 48.5	H	20.0	0	0	4747.2	UYYYYUU
D 6	LINN NORTH SANTIAM	122 43.9	IS	800	26237	180078	26.362	
NW		655	3330.0	149.8	26237	180078		UUUUYYUUU
	LYONS							
OR5NPP0459	MIDDLE FALLS(KUDSAH)	44 19.5	H	25.0	0	0	909.56	UUUUUUU
D 5	LINN MCKENZIE RIVE	122 0.4	IS	136	2204	12644	71.934	
NW		95	500.0	134.8	2204	12644		UUUUUUUUU
	THREE FINGERED JACK/ECHO MOU							
OR6NPP0446	MINTO	44 42.0	H	255.0	0	0	4863.3	UUUUUUU
I 5	LINN NORTH SANTIAM	121 58.4	IS	150000	18000	73000	66.621	
NW		124	505.0	219.7	18000	73000		UUUUUUUUU
	MT JEFFERSON							

SITE ID / DEP ACTV CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR5NPP0438	PACKERS GULCH	44 31.5	H	80.0	0	0	1857.9	UUUUUUU
D 5	LINN QUARTZVILLE C	122 26.4	IS	1800	6734	40438	45.945	
NW		80	500.0	279.7	6734	40438		UUUUUUUUU
	QUARTZVILLE							
OR7NPP0447	PATTERSON	44 23.4	H	190.0	0	0	3657.4	UUUUUUU
I 5	LINN SOUTH SANTIAM	122 26.4	IS	16000	18000	64000	57.146	
NW		77	380.0	370.0	18000	64000		UUUUUUUUU
	CASCADIA/SWEET HOME							
OR7NPP0448	PATTERSON (UPPER)	44 25.4	H	300.0	0	0	6143.6	UUUUUUU
D 5	LINN SOUTH SANTIAM	122 22.9	IS	56000	23100	101200	60.707	
NW		82	380.0	400.0	23100	101200		UUUUUUUUU
	CASCADIA							
OR6NPP2770	SAWMILL SITE	44 35.9	RCI	123.0	0	0	3015.5	UUUUUUU
I 5	LINN CRABTREE CREE	122 40.0	IS	9400	5139	23441	128.64	
NW		66	248.0	122.8	5139	23441		UUUUUUUUU
	SNOW PEAK							
ORJNPP0469	SMITH DAM (CARMEN-SMITH DIVE	44 18.3	H	225.0	80000	101600	1403.4	NNYYUUN
I 2	LINN SMITH RIVER	122 2.7	UP	13000	21600	27400	51.220	
NW	CITY OF EUGENE	123	660.0	521.9	101600	129000		UNNNNNNNY
	ECHO MOUNTAIN/THREE FINGERED							
OR5NPP0462	SODA FORK	44 24.0	H	10.0	0	0	760.11	UUUUUUU
D 5	LINN SOUTH SANTIAM	122 16.9	IS	1	2226	13983	54.358	
NW		23	105.0	469.5	2226	13983		UUUUUUUUU
	CASCADIA/ECHO MOUNTAIN							
OR6NPP0449	SWEET HOME	44 24.4	H	45.0	0	0	2945.0	UUUUUUU
I 5	LINN SOUTH SANTIAM	122 45.0	IS	20000	15988	59698	49.332	
NW		580	2890.0	44.9	15988	59698		UUUUUUUUU
	SWEET HOME							
OR6NPP2757	THOMAS CREEK	44 42.0	RCI	115.0	0	0	2564.5	UUUUUUU
I 5	LINN THOMAS CREEK	122 35.9	IS	17600	3722	17615	145.58	
NW		55	227.0	114.8	3722	17615		UUUUUUUUU
	SNOW PEAK							
OR5NPP0450	TOM CREEK (DIVERSION)	44 42.4	H	10.0	0	0	3511.8	UNYYYUU
D 2	LINN NORTH SANTIAM	122 7.0	IS	1	22676	166668	21. 70	
NW		178	820.0	489.5	22676	166668		UUUUYNNNY
	MT JEFFERSON/DETROIT							

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR6NPP0463	TOM CREEK (RESERVOIR)	44 42.4	CH	468.0	0	0	11863	UNUUUUU
E 2	LINN NORTH SANTIAM	122 7.0	IS	380000	127594	272877	43.475	
NW		216	2341.0	429.5	127594	272877		UYYUUUUUU
	DETROIT/MT JEFFERSON							
ORINPP0468	TRAIL BRIDGE DAM	44 16.1	H	98.0	10000	46000	0	UUUUUUU
I 5	LINN MCKENZIE RIVE	122 5.9	OP	2750	0	0	0	
NW	CITY OF EUGENE (EWEB)	184	1000.0	83.9	10000	46000		UUUUUUUUU
	ECHO MOUNTAIN							
OR5NPP0451	UPPER FALLS (SAHALIE FALLS)	44 19.9	H	5.0	0	0	1223.8	UUUUUUU
D 5	LINN MCKENZIE RIVE	121 59.5	IS	1	5593	25545	47.907	
NW		93	485.0	249.7	5593	25545		UUUUUUUUU
	THREE FINGERED JACK							
OR6NPP2761	WATERLOO NUMBER 3	44 30.5	C	150.0	0	0	13765	UNYYYUU
I 6	LINN SOUTH SANTIAM	122 52.0	IS	465000	68200	298600	46. 98	
NW		690	2990.0	149.8	68200	298600		UYYYYUUUY
	LEBANON/BROWNSVILLE/SWEET HO							
OR6NPP0452	WILEY CREEK	44 21.9	NCIH	295.0	0	0	3470.8	UUUUUUU
E 5	LINN WILEY CREEK	122 37.0	IS	94770	4743	20519	169.15	
NW		52	230.0	224.7	4743	20519		UUUUUUUUU
	SWEET HOME							
ORMNPP0436	WILLAMETTE PAPER	44 32.9	H	0	0	0	0	UUUUUUU
I 4	LINN SOUTH SANTIAM	122 54.0	OP	0	0	0	0	
NW	UNKNOWN		=1.5	10.0	0	0		UUUUUUUUU
ORCNPW0434	AGENCY VALLEY DAM	43 54.6	ICR	110.0	0	0	72.167	NNNNNNN
I 5	MALHEUR NORTH FORK MA	118 9.4	OP	66000	629	3314	21.776	
NW	DOI USBR	440	=163.3	82.9	629	3314		NNNNNNNYN
	BEULAH 1:62500.							
ORCNPW0425	ANTELOPE DAM	42 54.4	I	56.0	0	0	104.67	NNNNNNN
I 2	MALHEUR JACK ANTELOPE	117 14.1	OP	35900	1299	3335	31.380	
NW	JORDAN VALLEY IRR DIST	440	200.0	48.9	1299	3335		NNNNNNNUY
	ANTELOPE RES 1:24000.							
OR5NPW0436	AROCK	42 53.0	H	80.0	0	0	1677.6	NNNNNNN
I 5	MALHEUR JORDAN CREEK	117 35.0	IS	6640	2862	15666	107. 8	
NW		1133	510.0	461.5	2862	15666		UNNNNNNUN
	JORDAN VALLEY 1:250000.							

SITE ID / DEP ACTV CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR4NPW0417	BLACKJACK BUTTE	43 41.4	H	45.0	0	0	6852.9	NNYNYUN
I 2	MALHEUR SNAKE RIVER	117 5.2	IS	192440	22818	164592	41.635	
NW		43110	=11378.1	29.9	22818	164592		UYYUNNNUY
	ADRIAN							
OR6NPW0422	BOGUS CREEK	43 6.5	H	320.0	0	0	4867.3	NUYNYUN
I 5	MALHEUR OWYHEE RIVER	117 41.9	IS	864900	2360	8717	558.34	
NW	0.	10222	1160.0	306.6	2360	8717		UNNUNNNUN
	LAMBERTS ROCKS 1:24000.							
ORCNPW0432	BULLY CREEK DAM	44 1.7	ICR	121.0	0	0	0	NNNNNNN
I 5	MALHEUR BULLY CREEK	117 23.6	UP	38900	0	4	0	
NW	DOI USBR	560	42.0	95.9	0	4		NNNNNNNUN
	JAMIESON 1:62500.							
OR6NPW0435	DUNCAN FERRY	42 54.0	HIC	218.0	0	0	7332.9	UYYNYUN
I 5	MALHEUR OWYHEE RIVER	117 41.9	IS	1100000	72761	99295	73.849	
NW		9543	1080.0	201.0	72761	99295		UNNNNYNUN
OR6NPW0416	MAHOGANY	43 12.2	H	250.0	0	0	3100.7	NYYNYUN
I 5	MALHEUR OWYHEE RIVER	117 32.3	IS	169400	1830	7370	420.69	
NW		10384	=352.0	229.7	1830	7370		UNNNNYNUN
	BOISE 1:250000.							
ORCNPW0430	MALHEUR DAM	44 21.1	I	110.0	0	0	62.509	NNNNNNN
I 5	MALHEUR WILLOW CREEK	117 40.2	OP	41000	389	2126	29.398	
NW	ORCHARDS WATER CO	300	=111.3	67.9	389	2126		NNNNNNNYN
	BRIDGEPORT 1:62500.							
OR5NPW0418	MCLOUGHLIN	43 57.0	HI	10.0	0	0	612.11	NNYNYUN
I 5	MALHEUR MALHEUR RIVER	117 28.3	IS	90	1057	6641	92.170	
NW		3032	220.0	224.7	1057	6641		UNYUNNNUN
	VINE HILL 7.5 MIN.							
OR5NPW0419	NAMAR	43 46.9	HI	10.0	0	0	1437.7	NNYNYUN
I 5	MALHEUR MALHEUR	117 43.0	IS	90	4646	21340	67.372	
NW		2624	360.0	424.5	4646	21340		UNYNNNNUN
	BOISE 1:250000.							
ORCNPW0433	OWYHEE DAM	43 38.6	ICR	417.0	0	0	3898.8	NNNNNNN
I 2	MALHEUR OWYHEE RIVER	117 46.9	OP	1120000	187029	63842	61. 70	
NW	DOI USBR	11160	=378.4	408.5	187029	63842		NNNNNNNYY
	BOISE AMS							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
OR7NPW0420	RESERVOIR NUMBER TWO	43 41.2	HI	110.0	0	0	1712.7	NNYNYUN
I 5	MALHEUR SOUTH FORK MA	118 5.0	IS	22500	827	3804	450.16	
NW		692	105.0	299.7	827	3804		UNYNNNNUN
	BURNS AMS							
OR5NPW0409	RIVERSIDE	43 27.2	HI	10.0	0	0	456.84	NNNNYUN
I 5	MALHEUR SOUTH FORK MA	118 11.0	IS	90	825	3718	122.87	
NW		382	60.0	499.5	825	3718		UNYUNNNUN
	MCEWEN BUTTE 7.5 MIN.							
OR6NPW0415	SOLDIER CREEK	42 44.2	H	425.0	0	0	18985	NYYUYUN
I 5	MALHEUR OWYHEE RIVER	117 21.3	IS	45320	213638	150028	126.54	
NW		6063	690.0	400.5	213638	150028		UNNUNNNUN
	JORDAN VALLEY 1:250000.							
OR6NPW0437	THREE FORKS	42 32.9	H	420.0	0	0	10394	UYYNYUN
I 5	MALHEUR OWYHEE RIVER	117 10.2	IS	1000000	158802	130402	79.714	
NW		6063	690.0	388.6	158802	130402		UNNNNNNUN
	JORDAN VALLEY 1:250000.							
OR4NPW0421	UPPER OWYHEE LAKE	43 16.3	HI	100.0	0	0	2315.9	UUYNYUN
I 5	MALHEUR OWYHEE RIVER	117 28.4	IS	53820	10	30	75505	
NW		10384	1140.0	84.9	10	30		UNNUNNNUN
	BOISE 1:250000.							
ORCNPW0424	WARMSPRINGS DAM	43 35.1	ICR	100.0	0	0	87.728	NNNNNNN
I 5	MALHEUR MIDDLE FORK M	118 12.5	UP	192400	904	2913	30.109	
NW	WARMSPRINGS IRR DIST	440	-74.9	88.9	904	2913		NNNNNNNUN
	BURNS AMS							
OR5NPP0472	AUMSVILLE	44 50.9	H	20.0	0	0	7797.5	UYYYYUU
I 0	MARION NORTH SANTIAM	122 50.0	IS	53	51680	226400	34.441	
NW		670	3400.0	100.0	51680	226400		UUUUYYUUY
	LYONS/STAYTON							
OR6NPP0483	BYARS CREEK	44 45.5	CH	420.0	0	0	5465.1	UUUUUUU
E 5	MARION BREITENBUSH R	122 5.9	IS	179000	18477	86966	62.842	
NW		104	555.0	299.7	18477	86966		UUUUUUUUU
	BATTLE AXE							
OR7NPP0490	BYARS CREEK DIVERSION	44 45.5	H	300.0	0	0	4303.6	UUUUUUU
D 5	MARION BREITENBUSH R	122 5.9	IS	106000	12222	83722	51.403	
NW		103	555.0	429.5	12222	83722		UUUUUUUUU
	BATTLE AX/DETROIT							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
OR6NPP0475	CANYON CREEK	44 47.9	H	335.0	0	0	5522.0	UUUUUUU
I 5	MARION LITTLE NORTH	122 22.5	IS	152000	22000	76000	72.658	
NW		74	460.0	334.6	22000	76000		UUUUUUUUU
	MILL CITY							
OR4NPP0491	DEL AIRE RANCH	45 59.0	CIR	90.0	0	0	937.32	UUUUUUU
I 5	MARION BUTTE CREEK	122 35.0	IS	3550	1368	5994	156.37	
NW		30	100.0	66.4	1368	5994		UUUUUUUUU
	WILHOIT/LYONS							
OR7NPP0484	ELKHORN (DIVERSION)	44 47.9	HCI	240.0	0	0	4848.1	UNYYYUU
E 6	MARION LITTLE NORTH	122 28.0	IS	200000	13410	80098	60.527	
NW		93	660.0	459.5	13410	80098		UYYUUUUUU
	MILL CITY/LYONS							
OR6NPP0485	ELKHORN (RESERVOIR)	44 44.0	HIC	230.0	0	0	4337.5	UNYYYUU
D 6	MARION LITTLE NORTH	122 24.0	IS	144600	16900	74000	58.615	
NW		91	483.0	229.7	16900	74000		UYYUYUUUU
	MILL CITY							
OR6NPP0489	GRANGE	44 52.5	CIR	275.0	0	0	3000.2	UUUUUUU
D 5	MARION SILVER CREEK	122 42.5	IS	82000	2572	11268	266.26	
NW		41	153.0	274.7	2572	11268		UUUUUUUUU
	LYONS							
OR5NPP0476	HOT SPRINGS	44 46.5	H	10.0	0	0	1306.4	UUUUUUU
D 5	MARION BREITENBUSH R	122 1.0	IS	500	4190	28507	45.829	
NW		60	325.0	249.7	4190	28507		UUUUUUUUU
	BATTLE AX/BREITENBUSH HOT SP							
ORMNPP2730	MARION INVESTMENT	44 47.9	H	0	0	0	0	UUUUUUU
I 4	MARION NORTH SANTIAM	122 46.9	OP	0	0	0	0	
NW	UNKNOWN=NOT GIVEN		423.0	14.0	0	0		UUUUUUUUU
OR5NPP0477	MEHAMA	44 47.5	H	15.0	0	0	4140.7	UUUUUUU
D 5	MARION NORTH SANTIAM	122 36.4	IS	1	13348	95798	43.223	
NW		528	2700.0	109.8	13348	95798		UUUUUUUUU
	LYONS							
OR5NPP0473	MEHAMA DIVERSION	44 46.9	H	10.0	0	0	5912.1	UNYYYUU
E 6	MARION NORTH SANTIAM	122 38.6	IS	2200	40000	210000	28.153	
NW		525	3077.0	206.7	40000	210000		UUUUUUUUU
	LYONS							

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR4NPP2721	MILL CITY	44 45.0	H	50.0	0	0	2676.2	UNYYUUU
E 2	MARION NORTH SANTIAM	122 22.5	IS	4000	14745	64533	41.470	
NW		468	2000.0	49.9	14745	64533		UUUUUUUUU
	MILL CITY							
OR5NPP2722	MILL CITY DIVERSION (RIGHT B	44 45.5	H	1.0	0	0	5627.1	UYYYYUU
D 2	MARION NORTH SANTIAM	122 31.9	IS	1	60000	272900	20.619	
NW		452	2000.0	400.0	60000	272900		UUUUYYNNY
	MILL CITY/LYONS							
OR5NPP0478	NIAGARA	44 45.9	H	65.0	0	0	7186.3	UYYYYUU
E 2	MARION NORTH SANTIAM	122 31.9	IS	2650	137500	602100	11.935	
NW		461	2380.0	342.0	137500	602100		UUUUYYUUU
	MILL CITY/LYONS							
OR5NPP0479	NORTH SANTIAM	44 45.1	H	10.0	0	0	6162.3	UNYYYUU
E 2	MARION NORTH SANTIAM	122 18.0	IS	1	63000	390000	15.801	
NW		464	2000.0	341.6	63000	390000		UUUUUUUUU
	MILL CITY/LYONS							
OR5NPP0502	SALEM	44 55.4	H	10.0	0	0	4706.4	UNYYYUU
I 6	MARION MILL CREEK	123 9.9	IS	38	22319	153291	30.702	
NW		670	3400.0	124.8	22319	153291		UUUUUUUUY
	SALEM EAST/SALEM WEST/TURNER							
OR6NPP0492	SCOTTS MILLS	45 2.9	CIR	260.0	0	0	3260.8	UUUUUUU
D 5	MARION BUTTE CREEK	122 37.0	IS	78000	3237	9798	332.81	
NW		49	164.0	259.7	3237	9798		UUUUUUUUU
	SCOTTS MILLS/WILHOIT							
ORCNPP2809	SILVER CREEK DAM	44 58.6	S	75.0	0	0	169.71	NNYUUUN
I 2	MARION SILVER CREEK	122 44.5	OP	1000	1550	6800	24.958	
NW	SILVERTON, OREGON	46	173.0	58.9	1550	6800		UNNNYNYNY
	LYONS							
OR6NPP0487	SILVERCREST	44 50.9	CIR	110.0	0	0	1182.3	UNYYYUU
I 2	MARION SILVER CREEK	122 41.9	IS	8700	2448	10722	110.27	
NW		39	146.0	109.8	2448	10722		UUUUNNNNY
	LYONS							
ORMNPP0471	STAYTON	44 47.3	H	0	0	0	0	UUUUUUU
I 4	MARION NORTH SANTIAM	121 47.5	OP	0	0	0	0	
NW	PACIFIC POWER + LIGHT	464	0	15.0	0	0		UUUUUUUUU

SITE ID / DEP CODE / ACTV INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR6NPP0481	TUNNEL CREEK	44 41.0	CH	295.0	0	0	4556.3	UNYYYUU
I 2	MARION NORTH SANTIAM	121 58.0	IS	170000	20167	103877	43,862	
NW		178	820.0	224.7	20167	103877		UYYUNNNNY
	MT JEFFERSON							
OR5NPP0482	TURNER=NORTH SANTIAM DIVERSI	44 53.0	H	2.0	0	0	5640.2	UNYYUUU
I 6	MARION MILL CREEK	122 58.0	IS	1	56800	249000	22,651	
NW		670	3400.0	110.0	56800	249000		UUUUUUUUY
	STAYTON							
OR4NPP0488	UDP ORU0447	44 58.4	CIR	127.0	0	0	2068.2	UNYYYUU
I 6	MARION ABIQUA CREEK	122 38.5	IS	5800	4581	20069	103. 5	
NW		66	238.0	126.8	4581	20069		UYYYNNNNY
	LYONS							
OR6NPP2710	UDP ORU0908	44 47.9	H	300.0	0	0	9736.2	UUUUUUU
I 5	MARION LITTLE NORTH	122 28.0	IS	237000	99924	117884	82,591	
NW		93	660.0	294.7	99924	117884		UUUUUUUUU
	MILL CITY							
OR5NPP0510	BLAZED ALDER	45 29.4	H	120.0	0	0	2462.0	UNUUYUU
I 6	MULTNOMAH BULL RUN RIVE	122 0.4	IS	4170	27600	120800	20,381	
NW		32	240.0	755.2	27600	120800		UUUUYYYUY
	HICKMAN BUTTE/BONNEVILLE DAM							
ORGNPP0514	BONNEVILLE DAM/2ND POWERHOUS	45 38.4	HNR	97.0	518400	4540000	45522	NNUYYUN
I 2	MULTNOMAH COLUMBIA RIVE	121 56.0	OP	719000	898200	1655931	27,490	
NW	DAEN NPP	240000	176400.0	75.4	1416600	6195931		YNNNNNNNY
	BONNEVILLE DAM/HUOD R/WHITE							
ORCNPP0516	BULL RUN DAM NUMBER 1	45 28.8	S	180.0	0	0	1221.2	NNUUUUN
I 2	MULTNOMAH BULL RUN RIVE	122 4.9	OP	30000	24000	64000	19, 82	
NW	CITY OF PORTLAND	74	555.0	175.8	24000	64000		NNNNNNYYY
	CHERRYVILLE							
OR5NPP0511	DEER MEADOW AND BULL RUN LAK	45 30.0	H	10.0	0	0	1423.6	UNUUYUU
I 6	MULTNOMAH BULL RUN RIVE	121 56.0	IS	1	13400	58600	24,295	
NW		14	110.0	799.2	13400	58600		UUUUYYYUY
	HICKMAN BUTTE/BULL RUN LAKE							
OR6NPP0513	INDIAN JOHN	45 28.4	H	185.0	0	0	6742.9	UYUUUUU
I 6	MULTNOMAH SANDY RIVER	122 16.5	IS	88000	48370	186499	36,155	
NW		440	2360.0	179.8	48370	186499		UYYUUUUUU
	SANDY/CHERRYVILLE							

SITE ID / PROJECT NAME / LATITUDE / PROJ.PURP. / DAM HT / EXIST.CAP. / EXIST.ENRG / ANUL. COST / ENVIRONMENTAL
DEP ACTV / OWNER / DR.AREA / PWR. HD. / TOT. CAP. / TOT.ENERGY /
CODE INV / MAP REFERENCE / (D M.M) / (FT) / (KW) / (MWH) / (1000 $) /
(D M.M) / (AC FT) / (KW) / (MWH) / ($/MWH) / SOCIAL
POWER AREA / (SQ.MI) / (CFS) / (FT) / (KW) / (MWH) / / IMPACT CODE
OR6NPP0512 / TROUTDALE / 45 31.5 / H / 130.0 / 0 / 0 / 5847.3 / UYUUUUU
I 0 / MULTNOMAH SANDY RIVER / 122 22.0 / IS / 80800 / 37194 / 146152 / 40. 8 /
NW / 491 / 2640.0 / 126.8 / 37194 / 146152 / / UYYUUUUUU
WASHOUGAL/SANDY
OR5NPP0523 / BUELL / 45 28.0 / H / 65.0 / 0 / 0 / 1286.7 / UUUUUUU
D 5 / POLK MILL CREEK / 122 58.0 / IS / 700 / 5300 / 23300 / 55.224 /
NW / 27 / 140.0 / 249.7 / 5300 / 23300 / / UUUUUUUUU
SOCIALIST VALLEY/SHERIDAN
OR7NPP0518 / GORGE / 44 59.0 / HO / 272.0 / 0 / 0 / 2838.3 / UUUUUUU
D 5 / POLK MILL CREEK/SO / 123 24.9 / IS / 53000 / 1530 / 9778 / 290.27 /
NW / DOI USBR / 30 / 140.0 / 349.6 / 1530 / 9778 / / UUUUUUUUU
SOCIALIST VALLEY/SHERIDAN/VA
OR6NPP0519 / GRAVEL CREEK / 44 52.5 / H / 255.0 / 0 / 0 / 4235.5 / UYYYYUU
E 6 / POLK SILETZ RIVER / 123 41.9 / IS / 147500 / 26600 / 116500 / 36.357 /
NW / 80 / 700.0 / 249.7 / 26600 / 116500 / / UYYUUYUUU
EUCHRE/VALSETZ
OR6NPP2739 / LEWISVILLE / 44 47.9 / NIC / 72.0 / 0 / 0 / 3020.7 / UUUUUUU
I 5 / POLK LITTLE LUCKIA / 123 18.0 / IS / 100000 / 3400 / 14800 / 204.10 /
NW / 80 / 309.0 / 56.9 / 3400 / 14800 / / UUUUUUUUU
AIRLIE NORTH/FALLS CITY
ORCNPP0525 / MERCER DAM / 44 54.2 / S / 71.0 / 0 / 0 / 44.191 / UUUUUUU
I 5 / POLK RICKREALL CRE / 123 28.1 / OP / 2000 / 21 / 188 / 234. 4 /
NW / CITY OF DALLAS / 18 / 53.0 / 70.9 / 21 / 188 / / UUUUUUUUU
SOCIALIST VALLEY
OR6NPP0524 / PEDEE / 44 44.4 / CI / 113.0 / 0 / 0 / 3932.9 / UNYYYUU
I 6 / POLK LUCKIAMUTE RI / 123 26.4 / IS / 80000 / 17629 / 48874 / 80.470 /
NW / 114 / 460.0 / 105.8 / 17629 / 48874 / / YYYYNNYNY
CORVALLIS/FALLS CITY
OR6NPP0520 / SEEKAY / 44 45.0 / H / 150.0 / 0 / 0 / 1980.3 / UUUUUUU
I 5 / POLK LUCKIAMUTE RI / 123 31.0 / IS / 10000 / 3300 / 14600 / 135.64 /
NW / 28 / 200.0 / 109.8 / 3300 / 14600 / / UUUUUUUUU
MARYS PEAK/VALSETZ
OR7NPP0526 / VALSETZ LAKE DAM (VALSETZ) / 44 50.9 / O / 103.0 / 0 / 0 / 2545.0 / UUUUUUU
D 5 / POLK SOUTH FORK SI / 123 39.9 / IS / 105000 / 4700 / 20500 / 124.14 /
NW / BOISE CASCADE CORP / 18 / 140.0 / 220.0 / 4700 / 20500 / / UUUUUUUUU
VALSETZ

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR6NPP0521	WALLACE BRIDGE	45 3.9	CI	108.0	0	0	2769.3	UUUUUUU
I 5	POLK SOUTH YAMHILL	123 30.0	IS	110900	2027	10216	271.6	
NW		133	620.0	69.9	2027	10216		UUUUUUUUU
	GRAND RONDE							
OR6NPP2696	BULL BASIN	45 16.7	I	120.0	0	0	6147.4	UYYYYUU
D 6	SHERMAN JOHN DAY RIVE	120 33.0	IS	44000	64161	131356	46.799	
NW		6924	1980.0	119.8	64161	131356		YYUUUYYUU
	INDIAN COVE/HORSESHOE BEND/S							
OR6NPP0582	BUTTE CREEK CLARNO	45 4.9	H	360.0	0	0	9872.9	UYUUUUU
D 6	SHERMAN JOHN DAY RIVE	120 30.4	IS	1490000	100780	441400	22.367	
NW		6396	1950.0	339.6	100780	441400		UYYYUUUUU
	BATH CANYON/CHIMNEY SPRINGS/							
OR6NPP0527	JACK KNIFE	45 18.9	H	380.0	0	0	7647.2	UYUUUUU
I 6	SHERMAN JOHN DAY RIVE	120 31.9	IS	999000	64700	283400	26.983	
NW		6924	1980.0	214.7	64700	283400		UUUUUUUUU
	INDIAN C/HORSE S B/BATH C/SH							
ORINPP0529	JOHN DAY	45 43.0	HCNR	131.0	2160000	11283000	17686	NNUYYUN
I 6	SHERMAN COLUMBIA RIVE	120 41.0	OP	2525000	540000	35000	505.33	
NW	DAEN NPP	226000	165200.0	106.3	2700000	11318000		NNNNNNYNY
	RU/QU/S NW/SU/AR/W G/H J/AL/							
OR6NPP0528	TENMILE FALLS	45 40.0	HC	465.0	0	0	33553	YYUUUUU
I 6	SHERMAN JOHN DAY RIVE	120 30.0	IS	1740000	103400	452700	74.117	
NW		7807	2000.0	459.5	103400	452700		UYYYUUUUU
	QUIN/SUN NW/MCDON/TURN B/DEV							
OR6NPP0539	ALDER GLEN	45 18.1	H	370.0	0	0	5117.2	UUUUUUU
D 5	TILLAMOOK NESTUCCA RIVE	123 29.5	IS	140000	14100	62000	82.536	
NW		46	255.0	364.6	14100	62000		UUUUUUUUU
	BLAINE							
OR6NPP0530	BARK SHANTY	45 27.4	H	200.0	0	0	2924.8	UUUUUUU
I 5	TILLAMOOK NORTH FORK TR	123 33.9	IS	27000	13500	59300	49.322	
NW		75	495.0	179.8	13500	59300		UUUUUUUUU
	BLAINE							
OR6NPP2675	BEAVER CREEK	45 17.9	H	130.0	0	0	2584.6	UUUUUUU
I 5	TILLAMOOK BEAVER CREEK	123 49.9	IS	112000	2500	10900	237.12	
NW		26	156.0	104.8	2500	10900		UUUUUUUUU
	TILLAMOOK							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR7NPP0531	BLAINE	45 15.5	H	375.0	0	0	4382.2	UUUUUUU
D 5	TILLAMOOK NESTUCCA RIVE	123 41.0	IS	289000	7792	42122	104. 3	
NW		94	516.0	454.5	7792	42122		UUUUUUUUUU
	BLAINE/GRANDE RONDE							
OR6NPP0552	CEDAR CREEK	45 33.5	H	260.0	0	0	6643.0	UUUUUUU
I 5	TILLAMOOK WILSON RIVER	123 34.4	IS	161400	72231	109164	60.853	
NW		100	755.0	238.7	72231	109164		UUUUUUUUU
	ENRIGHT/TIMBER							
OR6NPP0546	CLEAR CREEK	45 28.0	H	210.0	0	0	2108.5	UUUUUUU
I 5	TILLAMOOK NORTH FORK TR	123 28.9	IS	45000	5330	13000	162.19	
NW		53	350.0	189.8	5330	13000		UUUUUUUUU
	FAIRDALE							
OR6NPP2683	ELK CREEK	45 16.1	H	210.0	0	0	2179.8	UUUUUUU
I 5	TILLAMOOK NESTUCCA RIVE	123 33.1	IS	27000	2159	10051	216.87	
NW		37	205.0	209.7	2159	10051		UUUUUUUUU
	BLAINE/FAIRDALE							
OR5NPP0532	FOX CREEK	45 29.4	HCIO	50.0	0	0	2747.5	UNYYYUU
I 6	TILLAMOOK WILSON RIVER	123 40.5	IS	2200	8170	48653	56.471	
NW		131	1040.0	221.7	8170	48653		UYYUNNNNY
	ENRIGHT/BLAINE							
OR6NPP0533	GINGER PEAK	45 27.0	HCS	100.0	0	0	2150.4	UYYYUUU
D 6	TILLAMOOK TRASK RIVER	123 41.0	IS	4100	10000	46000	46.749	
NW		140	960.0	80.9	10000	46000		UYYUYYYYY
	BLAINE/FPC DRAWER NO 2							
OR6NPP0534	HOLLYWOOD	45 25.0	H	200.0	0	0	3270.2	UUUUUUU
D 5	TILLAMOOK SOUTH FORK TR	123 35.0	IS	34000	10000	43300	75.526	
NW		49	325.0	199.8	10000	43300		UUUUUUUUU
	BLAINE							
OR5NPP0535	JORDAN	45 33.5	H	50.0	0	0	1728.5	UUUUUUU
D 5	TILLAMOOK WILSON RIVER	123 34.4	IS	2100	4655	28185	61.329	
NW		101	755.0	174.8	4655	28185		UUUUUUUUU
	ENRIGHT							
OR6NPP0536	KEYHOLE	45 27.0	H	110.0	0	0	1482.1	UUUUUUU
D 5	TILLAMOOK NORTH FORK TR	123 34.4	IS	7000	5500	24000	61.754	
NW		57	382.0	94.9	5500	24000		UUUUUUUUU
	BLAINE/FAIRDALE							

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OR7NPP0558		KILCHIS	45 31.5	H	320.0	0	0	3735.4	UUUUUUU
D	5	TILLAMOOK KILCHIS RIVER	123 46.9	IS	140800	10600	46600	80.160	
	NW		38	175.0	399.6	10600	46600		UUUUUUUUU
		NEHALEM/ENRIGHT							
OR6NPP0543		LITTLE NESTUCCA RIVER	45 6.5	H	145.0	0	0	2143.3	UUUUUUU
E	5	TILLAMOOK LITTLE NESTUC	123 51.4	IS	21600	3400	15000	142.88	
	NW		33	161.0	139.8	3400	15000		UUUUUUUUU
		HEBO							
OR7NPP0544		LITTLE NESTUCCA RIVER (DIVER	45 7.5	H	325.0	0	0	3851.9	UUUUUUU
D	5	TILLAMOOK LITTLE NESTUC	123 52.9	IS	132000	11200	49100	78.451	
	NW		41	205.0	359.6	11200	49100		UUUUUUUUU
		HEBO							
OR5NPP2811		MEADOW LAKE	45 19.5		40.0	0	0	642.76	UUUUUUU
I	5	TILLAMOOK NESTUCCA RIVE	123 26.5		2000	2200	9600	66.954	
	NW		9	44.0	599.4	2200	9600		UUUUUUUUU
		FAIRDALE							
OR4NPP0540		MILE NINE	45 13.4	H	70.0	0	0	2144.7	UUUUUUU
I	5	TILLAMOOK TRASK RIVER	123 52.0	IS	6200	8305	32025	66.969	
	NW		145	959.0	69.9	8305	32025		UUUUUUUUU
		BLAINE							
OR4NPP0541		MILE 12.5	45 14.0	H	70.0	0	0	2018.9	UUUUUUU
I	5	TILLAMOOK TRASK RIVER	123 50.0	IS	4200	8019	30917	65.298	
	NW		140	927.0	69.9	8019	30917		UUUUUUUUU
		BLAINE							
OR6NPP0537		NEHALEM FALLS-LOW	45 42.4	H	83.0	0	0	2961.1	UUUUUUU
E	5	TILLAMOOK NEHALEM RIVER	123 45.0	IS	5400	12493	61471	48.170	
	NW		660	2585.0	82.9	12493	61471		UUUUUUUUU
		NEHALEM/ENRIGHT/COAST DRAWER							
OR6NPP0538		NEHALEM FALLS-HIGH	45 42.4	H	340.0	0	0	7280.0	YYYYYUU
D	6	TILLAMOOK NEHALEM RIVER	123 45.0	IS	362000	73000	377600	19.279	
	NW		660	2585.0	329.6	73000	377600		UYYUUYUUU
		NEHALEM/ENRIGHT/SADDLE MTN/C							
OR4NPP2747		NESTUCCA RIVER-USDA	45 16.7	H	105.0	0	0	977.38	UUUUUUU
I	5	TILLAMOOK NESTUCCA RIVE	123 32.5	IS	4380	2300	10000	97.738	
	NW		28	143.0	104.8	2300	10000		UUUUUUUUU
		BLAINE							

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OR6NPP0068	N=4 SALMONBERRY	45 45.5	HCIR	395.0	0	0	18158	YYYYYUU
D 6	TILLAMOOK NEHALEM RIVER	123 37.9	IS	2500000	121000	531000	34.196	
NW		573	2018.0	334.6	121000	531000		UYYYUYUUU
	CLATSKANIE/VERNONIA/BRKNFELD							
OR4NPP0547	STONEHILL	45 41.4	H	42.0	0	0	2797.1	UUUUUUU
D 5	TILLAMOOK NEHALEM RIVER	123 46.0	IS	3000	19905	58946	47.452	
NW		700	2900.0	41.9	19905	58946		UUUUUUUUU
	NEHALEM							
OR6NPP0548	T=2	45 28.0	H	170.0	0	0	3689.2	UUUUUUU
I 5	TILLAMOOK NORTH FORK TR	123 35.9	IS	38000	13000	59000	62.529	
NW			522.0	120.0	13000	59000		UUUUUUUUU
	BLAINE							
OR6NPP0549	T=4	45 25.0	H	150.0	0	0	3127.5	UUUUUUU
E 5	TILLAMOOK SOUTH FORK TR	123 36.4	IS	50000	7400	32000	97.734	
NW		49	326.0	110.7	7400	32000		UUUUUUUUU
	BLAINE							
OR6NPP0545	T=6/TRASK	45 27.0	HCS	210.0	0	0	5928.7	YYYYUUU
D 6	TILLAMOOK TRASK RIVER	123 42.5	IS	74000	80000	105000	56.463	
NW		137	905.0	169.8	80000	105000		UYYUYYYYY
	BLAINE/FPC DRAWER 2							
OR6NPP0550	WAKEFIELD	45 43.9	H	62.0	0	0	3109.8	UUUUUUU
D 5	TILLAMOOK NEHALEM RIVER	123 41.9	IS	6400	11791	52802	58.896	
NW		647	2498.0	61.9	11791	52802		UUUUUUUUU
	ENRIGHT/SADDLE MTN							
OR6NPP0551	WAKEFIELD UPPER	45 45.0	H	220.0	0	0	7524.0	UNYYYUU
E 6	TILLAMOOK NEHALEM RIVER	123 38.5	IS	150000	83000	363800	20.681	
NW		644	2483.0	162.8	83000	363800		UYYUUUUUU
	ENRIGHT/SADDLE MTN							
OR6NPP0561	BINGHAM SPRINGS	45 44.0	CI	295.0	0	0	4668.1	UUUUUUU
I 5	UMATILLA UMATILLA RIVE	118 13.0	IS	60000	12324	47376	98.531	
NW		93	165.0	289.7	12324	47376		UUUUUUUUU
	BINGHAM SPRINGS							
OR4NPP0565	CAMAS CREEK	45 9.0	CIR	85.0	0	0	884.15	UUUUUUU
I 5	UMATILLA CAMAS CREEK	118 50.9	IS	5200	1200	5200	170. 2	
NW		105	92.0	79.9	1200	5200		UUUUUUUUU
	OWENS BUTTE							

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OR6NPP0564	DALE	45 0.7	H	265.0	0	0	3771.8	UUUUUUU
D 5	UMATILLA NORTH FORK JO	119 0.7	IS	188000	3235	15061	250.42	
NW		990	600.0	109.8	3235	15061		UUUUUUUUU
	BRIDGE CREEK/DALE/UKIAH SE							
OR6NPP0576	ECHO	45 43.4	IH	50.0	0	0	2028.4	UUUUUUU
I 5	UMATILLA UMATILLA RIVE	119 9.9	IS	20500	4700	20500	98.946	
NW		1347	440.0	49.9	4700	20500		UUUUUUUUU
	ECHO							
OR5NPW0438	ELBOW CREEK	45 50.3	H	10.0	0	0	1070.9	NNYYYUN
I 5	UMATILLA SOUTH FORK WA	118 11.3	IS	90	3538	15565	68.804	
NW		63	175.0	381.6	3538	15565		UYYNNNNUN
	BLALOCK MTN 1:24000.							
OR5NPP0562	HOMLY	45 40.4	CI	10.0	0	0	2136.6	UNYYYUU
D 6	UMATILLA UMATILLA RIVE	118 30.0	IS	1	14000	61500	34.741	
NW		125	220.0	419.5	14000	61500		UUUUNNNNY
	THORN HOLLOW/GIBBON/CAYUSE							
OR6NPW0440	JOE WEST DAM	45 32.9	ICSR	269.0	0	0	9726.8	NNYYYUN
I 5	UMATILLA WALLA WALLA R	118 20.2	SA	118000	4496	22733	427.87	
NW		97	180.0	245.7	4496	22733		UYYYNNNUN
	BOWLUS HILL 1:24000.							
ORCNPP0579	MCKAY DAM	45 36.5	IC	165.0	0	0	256.52	UUUUUUU
I 5	UMATILLA MCKAY CREEK	118 47.4	OP	79000	2170	9490	27. 30	
NW	DOI USBR	178	95.0	149.8	2170	9490		UUUUUUUUU
	MCKAY RESERVOIR							
ORINPW0441	MCNARY LOCK AND DAM	45 55.8	H	220.0	980000	6121316	36448	NNNYYNN
I 2	UMATILLA COLUMBIA RIVE	119 17.7	OP	185000	740876	1111091	32.804	
NW	DAEN NPW	214000	-185983.8	64.9	1720876	7232407		NNNNNNNYY
OR6NPP0563	MISSION	45 40.0	CI	170.0	0	0	6993.5	UUUUUUU
I 5	UMATILLA UMATILLA RIVE	118 37.9	IS	142000	16800	74000	94.507	
NW		370	650.0	125.5	16800	74000		UUUUUUUUU
	DIVERSION PROJECT ALSO PUSSI							
OR6NPP0577	NOLIN	45 41.4	IH	135.0	0	0	2906.5	UUUUUUU
I 5	UMATILLA UMATILLA RIVE	119 6.4	IS	94000	1441	6465	449.57	
NW		1327	660.0	129.8	1441	6465		UUUUUUUUU
	NOLIN/ECHO/BARNHART							

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OR5NPW0439	ROGERS CANYON	45 49.9	H	10.0	0	0	519.79	NNYYYUN
I 5	UMATILLA SOUTH FORK WA	118 5.9	IS	90	1123	4163	124.84	
NW		15	45.0	799.2	1123	4163		UNYUNNNUN
	TOLLGATE 7.5 MIN.							
OR6NPP0560	RYAN CREEK	45 43.0	CI	258.0	0	0	4779.6	UUUUUUU
D 5	UMATILLA UMATILLA RIVE	118 18.9	IS	57600	4672	20586	232.17	
NW		125	165.0	214.7	4672	20586		UUUUUUUUU
	GIBBON/BINGHAM							
OR6NPP0369	THURNHOLLOW	45 41.2	CI	230.0	0	0	3952.8	UNYYYUU
E 2	UMATILLA UMATILLA RIVE	118 26.9	IS	150000	12800	56000	70.587	
NW		355	366.0	147.8	12800	56000		UYYYUUUUU
	THURN HOLLOW/GIBBON							
OR5NPP2713	UMATILLA	45 54.0	IH	5.0	0	0	2885.8	UUUUUUU
D 5	UMATILLA UMATILLA RIVE	119 20.9	IS	25	10447	36692	78.651	
NW		2252	610.0	234.7	10447	36692		UUUUUUUUU
	HERMISTON/UMATILLA							
OR6NPP0571	YOAKUM	45 39.4	H	225.0	0	0	7535.8	UUUUUUU
I 5	UMATILLA UMATILLA RIVE	118 58.0	IS	321500	19318	31296	240.78	
NW		1268	670.0	219.7	19318	31296		UUUUUUUUU
	BARNHART/PENDLETON							
OR6NPW0445	CATHERINE CREEK	45 6.5	ICSR	210.0	0	0	2020.8	YNYYYUN
I 5	UNION CATHERINE CRE	117 39.1	PA	61000	864	5065	398.91	
NW		96	120.0	182.8	864	5065		YYYUNNNUN
	MEDICAL SPRINGS 1:24000.							
OR5NPW0443	HORSE RANCH	45 25.0	H	10.0	0	0	1146.3	YYUUYUN
I 5	UNION MINAM WALLOWA	117 40.2	IS	90	2605	12996	88.203	
NW		142	400.0	469.5	2605	12996		UNNNNYNUN
	MOUNT MORIAH 1:24000.							
OR6NPW0444	LOWER GRANDE RONDE DAM	45 18.5	ICSR	194.0	0	0	5606.1	YYYYYUN
I 6	UNION GRANDE RONDE	118 16.0	SA	289800	2472	9789	572.68	
NW		505	270.0	181.1	2472	9789		UYYNNYNUN
	KAMELA SE 7.5.							
OR7NPW0442	MILE 72	45 41.0	H	195.0	0	0	4385.1	NUYYYUN
I 5	UNION GRANDE RONDE	117 45.0	IS	70485	12166	58590	74.843	
NW		2598	2500.0	174.8	12166	58590		UNYUNYUNU
	FRY MEADOW 1:24000.							

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OR6NPW0452		APPALOOSA		45 47.5	H	600.0	0	0	82516	NNYYYUN
E	6	WALLOWA	SNAKE RIVER	116 40.6	IS	2413000	4660793	9557336	8.6338	
NW				75000	18500.0	418.3	4660793	9557336		UYYUNNNUN
OR5NPW0460		COLD SPRINGS		45 26.2	H	10.0	0	0	563.79	NNUYNUN
I	6	WALLOWA	LOSTINE RIVER	117 24.9	IS	90	1741	9188	61.359	
NW				44	125.0	1118.8	1741	9188		UNUUNNYUY
		ENTERPRISE 1:62500.								
OR6NPW0464		COVERDALE		45 5.9	H	530.0	0	0	20134	YYYYYUN
I	5	WALLOWA	IMNAHA RIVER	116 55.3	IS	450000	23508	51765	388.96	
NW		0.		79	185.0	516.4	23508	51765		UNYNNNNUN
		HOMESTEAD 1:62500.								
OR7NPW0456		CROSS CANYON		45 57.2	H	220.0	0	0	3115.1	NYYYYUN
I	5	WALLOWA	WENEHA RIVER	117 30.3	IS	38200	2880	15125	205.95	
NW				194	200.0	499.5	2880	15125		UNNNNNNUN
		EDEN 1:24000.								
OR6NPW0449		ELBOW CREEK		45 52.1	H	320.0	0	0	10175	NYYYYUN
I	6	WALLOWA	GRANDE RONDE	117 38.5	IS	71000	271492	522768	19.465	
NW				2900	2300.0	296.6	271492	522768		UNNNNNYUY
OR6NPW0454		HIGH MOUNTAIN SHEEP		45 50.9	HCR	645.0	0	0	96774	YYYYYUN
S	6	WALLOWA	SNAKE RIVER	116 47.2	IS	2250000	5787720	12494495	7.7453	
NW		PNWPC AND WPPSS		74700	-36564.4	546.2	5787720	12494495		UNYYNNNUN
OR5NPW0462		IMNAHA		45 33.9	H	10.0	0	0	1022.8	YYNNYUN
I	6	WALLOWA	IMNAHA RIVER	116 30.3	IS	90	4168	16825	60.787	
NW				622	300.0	439.5	4168	16825		UYYUNNYUN
		IMNAHA 1:62500.								
OR5NPW0455		LITTLE MINAM		45 34.9	H	10.0	0	0	1898.1	NYYYYUN
I	5	WALLOWA	MINAM RIVER	117 43.4	IS	90	3963	20929	90.690	
NW				171	480.0	669.3	3963	20929		UNNNNNNUN
		MINAM 1:24000.								
OR6NPW0453		MOUNTAIN SHEEP REREGULATING		45 49.1	H	255.0	0	0	57626	YYYYYUN
E	6	WALLOWA	SNAKE RIVER	116 44.3	IS	143000	2617546	5329614	10.812	
NW				73800	-36123.8	233.7	2617546	5329614		UNYYNNNUN

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OR6NPW0451	NEZ PERCE	45 52.8	H	650.0	0	0	133983	YYYYYUN
E 6	WALLOWA SNAKE RIVER	116 49.0	IS	6000000	7633849	15619603	8.5779	
NW		88670	30000.0	576.3	7633849	15619603		UNYYNNNUN
OR6NPW0414	PLEASANT VALLEY	45 39.0	H	429.0	0	0	30816	YYYYYUN
E 6	WALLOWA SNAKE RIVER	116 29.3	IS	1051000	1401326	4541674	6.7852	
NW		73600	-18869.5	381.0	1401326	4541674		UNYYNNNUN
OR6NPW0448	RONDOWA	45 45.0	H	440.0	0	0	11967	NNYYYUN
I 6	WALLOWA GRANDE RONDE	117 46.4	IS	660000	300381	429706	27.850	
NW		2555	2100.0	416.5	300381	429706		UYYUNNYUY
OR4IPW2620	THE RAPIDS	45 5.9	H	80.0	0	0	1236.9	YYYYYUN
I 5	WALLOWA IMNAHA RIVER	117 1.3	IS	1000	179	908	1361.6	
NW		50	300.0	71.9	179	908		UNNNNNNUN
	CORNUCOPIA 1:62500.							
OR6NPW0450	TROY	45 54.6	H	190.0	0	0	8873.9	NNYYYUN
I 6	WALLOWA GRAND RONDE R	117 27.3	IS	128	170318	327868	27.65	
NW		3275	2300.0	164.8	170318	327868		UNYYNNYUY
OR5NPW0463	TUNNEL	45 6.3	H	10.0	0	0	1376.7	YYYYYUN
I 6	WALLOWA IMNAHA RIVER	116 45.3	IS	90	18052	76649	17.961	
NW		81	185.0	2474.5	18052	76649		UNYUNNYUN
	HOMESTEAD 1:62500.							
OR5NPW0461	WADE GULCH	45 27.2	H	10.0	0	0	806.64	NYNNYUN
I 5	WALLOWA WALLOWA RIVER	117 22.9	IS	90	782	3331	242.12	
NW		250	590.0	159.8	782	3331		UYYUNNNUN
	ENTERPRISE 1:62500.							
ORHNPW2621	WALLOWA FALLS	45 15.5	H	10.0	1100	4835	0	NNNNNNN
I 5	WALLOWA EAST FORK WAL	117 13.6	OP	2	0	0	0	
NW	PAC POWER AND LIGHT	10	21.0	1190.0	1100	4835		NNNNNNNYN
ORCNPW0466	WALLOWA LAKE DAM	45 20.1	IHS	39.0	0	0	16.232	NNNNNNN
I 5	WALLOWA WALLOWA RIVER	117 13.3	OP	49257	29	246	65.724	
NW	DOBIN DITCH CO ET AL	51	135.0	32.9	29	246		NNNNNNNUN
	JOSEPH 1:62500.							

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OR6NPW0457	WILDCAT CREEK	45 53.4	H	198.0	0	0	7548.5	NYYYYUN
I 6	WALLOWA GRANDE RONDE	117 31.1	IS	85536	115733	252918	29.845	
NW		2658	2500.0	179.8	115733	252918		UNNNNNYUY
	EDEN 1:24000.							
OR6NPP0581	BADGER CREEK	44 56.4	H	150.0	0	0	3264.7	UUUUUUU
D 5	WASCO WARM SPRINGS	121 26.0	IS	75000	12357	54457	59.949	
NW		146	250.0	149.8	12357	54457		UUUUUUUUU
	HEHE BUTTE/FORT BUTTE							
OR6NPP0588	FRIEDA	45 3.1	H	178.0	0	0	6416.3	UYUUUUU
I 6	WASCO DESCHUTES RIV	121 7.1	IS	88000	58000	342000	18.761	
NW		9400	5300.0	144.8	58000	342000		UUUUUUUUU
	KASKELA/DANT							
OR7NPP0583	HOT SPRINGS	44 51.9	H	120.0	0	0	3473.6	UUUUUUU
D 5	WASCO WARM SPRINGS	121 4.4	IS	12250	8672	59192	58.684	
NW		510	460.0	339.6	8672	59192		UUUUUUUUU
	WARM SPRINGS/GATEWAY/EAGLE R							
OR6NPP2783	JAP HOLLOW	45 30.5	RCI	157.0	0	0	1743.7	UUUUUUU
D 5	WASCO JAP HOLLOW	121 7.5	IS	25000	1200	5300	329. 0	
NW		60	69.0	114.8	1200	5300		UUUUUUUUU
	THE DALLES							
OR6NPP0584	LOCKIT	45 30.0	H	85.0	0	0	4521.6	UYUUUUU
I 6	WASCO DESHCUTES RIV	120 49.4	IS	15000	21667	185629	24.358	
NW		10410	5810.0	69.9	21667	185629		UUUUUUUUU
	WISHRAM/ERSKINE							
OR7NPP0585	MAUPIN	45 9.4	H	148.0	0	0	5506.0	UYUUUUU
D 6	WASCO DESCHUTES RIV	121 4.4	IS	36600	42066	334601	16.455	
NW		9490	5300.0	119.8	42066	334601		UUYUUUUUU
	MAUPIN/TYGH VALLEY/MAUPIN SW							
OR6NPP0586	MOODY	45 37.5	H	180.0	0	0	7756.6	UYYYUUU
D 6	WASCO DESCHUTES RIV	120 54.0	IS	68250	98656	486298	15.950	
NW		10500	5830.0	131.8	98656	486298		UUUUUUUUU
	WISHRAM							
OR6NPP0595	NORTH JUNCTION	44 58.6	H	185.0	0	0	10151	UYUUUUU
I 6	WASCO DESCHUTES RIV	121 3.5	IS	195000	123057	587858	17.268	
NW		9281	5280.0	179.8	123057	587858		UYYUUUUUU
	KASKELLA/GATEWAY							

SITE ID / DEP ACTV CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
OR6NPP0587	OAK BROOK	45 17.9	H	98.0	0	0	4868.0	UYUUUUU
I 6	WASCO DESCHUTES RIV	120 58.9	IS	11200	23241	190844	25.508	
NW		10285	5780.0	64.9	23241	190844		UUUUUUUUUU
	SHERARS BRIDGE/SINAMOX/MAUPI							
OR4NPP2628	OAK SPRINGS	45 10.0	H	50.0	0	0	3763.5	UYUUUUU
E 6	WASCO DESCHUTES RIV	121 7.0	IS	1600	23096	118710	31.704	
NW		9700	5500.0	34.9	23096	118710		UYYUUUUUU
	MAUPIN							
OR5NPP0580	RECLAMATION	45 25.0	H	118.0	0	0	5603.0	UYUUUUU
I 6	WASCO DESCHUTES RIV	120 50.5	IS	26000	40157	304031	18.429	
NW		10385	5800.0	94.9	40157	304031		UYYUUUUUU
	ERSKINE/SUMMIT RIDGE/SINAMOX							
OR6NPP0590	SCHOOLIE	44 57.4	I	100.0	0	0	2639.5	UUUUUUU
I 5	WASCO WARM SPRINGS	121 35.0	IS	100000	2300	10100	261.34	
NW		95	151.0	73.9	2300	10100		UUUUUUUUU
	FORT BUTTE							
OR7NPP0592	SHERAR FALLS	45 15.5	H	120.0	0	0	5719.8	UYUUUUU
D 6	WASCO DESCHUTES RIV	121 0.4	IS	38000	58770	470312	12.161	
NW		10060	5750.0	159.8	58770	470312		UYYUUUUUU
	SHERARS BRIDGE/MAUPIN							
OR6NPP0591	SINAMOX	45 20.9	H	104.0	0	0	8880.4	UYUUUUU
I 6	WASCO DESCHUTES RIV	120 54.4	IS	23000	63309	325425	27.288	
NW		10340	5790.0	89.9	63309	325425		UUYUUUUUU
	SINAMOX							
ORGNPP0596	THE DALLES	45 36.9	HNRI	185.0	1806800	8199000	0	UUUUUUU
D 5	WASCO COLUMBIA RIVE	121 5.9	OP	550000	0	0	0	
NW	DAEN NPP	237000	165200.0	84.7	1806800	8199000		UUUUUUUUU
	THE DALLES/WISHRAM/RUFUS							
OR6NPP0593	TROUT CREEK	44 49.9	H	135.0	0	0	6859.4	UYUUUUU
D 6	WASCO DESCHUTES RIV	121 3.9	IS	95000	82287	405697	16.907	
NW		8692	4820.0	132.8	82287	405697		UYYUUUUUU
	GATEWAY/EAGLE BUTTE/MADRAS W							
ORMNPP2810	TYGH VALLEY	45 14.5		7.0	0	0	1011.8	NNYYUUN
I 2	WASCO WHITE RIVER	121 6.3		8	13400	58700	17.237	
NW		368	430.0	204.7	13400	58700		UNNNYNYNY

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	SOCIAL
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	IMPACT CODE
POWER AREA		(SQ MI)	(CFS)	(FT)	(KW)	(MWH)		
OR4NPP2764	WHITE RIVER	45 9.0	I	60.0	0	0	1014.8	UUUUUUU
I 5	WASCO WHITE RIVER	121 30.4	IS	800	2708	11884	85.393	
NW		80	220.0	59.9	2708	11884		UUUUUUUUU
	MT WILSON							
OR6NPP0589	WHITE RIVER	45 14.0	H	420.0	0	0	13975	UUUUUUU
I 5	WASCO WHITE RIVER	121 10.5	IS	202000	19289	56955	245.36	
NW		221	390.0	414.5	19289	56955		UUUUUUUUU
	TYGH VALLEY/WAMIC							
OR7NPP0594	WHITEHORSE RAPIDS	44 58.0	H	100.0	0	0	6744.6	UYUUUUU
D 6	WASCO DESCHUTES RIV	121 3.0	IS	63750	38500	290000	23.257	
NW		9281	5280.0	184.8	38500	290000		UYYYUUUUU
	KASKELA/GATEWAY							
OR5NPP2697	CAMP FIVE	45 27.0	H	60.0	0	0	1046.2	UYUYYUU
I 2	WASHINGTON MID FORK OF N	123 30.4	IS	320	6900	30400	34.416	
NW		9	48.0	949.0	6900	30400		UUUUNYNNY
	FAIRDALE							
OR6NPP2776	GALES CREEK NUMBER 2A	45 33.5	S	90.0	0	0	2954.1	UUUUUUU
D 5	WASHINGTON GALES CREEK	123 11.9	IS	40500	1091	5227	565. 8	
NW		65	232.0	89.9	1091	5227		UUUUUUUUU
	FOREST GROVE							
OR6NPP2795	GASTON	45 25.8	S	100.0	0	0	3328.9	UUUUUUU
I 5	WASHINGTON TUALATIN RIVE	123 11.5	IS	70000	2600	11300	294.59	
NW		42	170.0	85.9	2600	11300		UUUUUUUUU
	GASTON/FAIRDALE							
OR6NPP2799	GLENWOOD	45 39.0	I	106.0	0	0	1333.4	UUUUUUU
I 5	WASHINGTON GALES CREEK	123 19.9	IS	45000	1900	8100	164.62	
NW		34	115.0	105.8	1900	8100		UUUUUUUUU
	TIMBER							
OR4NPP0606	UDP ORU0536	45 42.0	H	120.0	0	0	1020.0	UUUUUUU
I 5	WASHINGTON EAST FORK DAI	123 4.4	IS	7200	1170	5130	198.83	
NW		25	64.0	88.6	1170	5130		UUUUUUUUU
	FOREST GROVE							
OR6NPP0605	UDP ORU0535	45 39.0	H	152.0	0	0	1075.5	UUUUUUU
I 5	WASHINGTON GALES CREEK	123 20.0	IS	15930	1074	4706	228.55	
NW		14	47.0	112.1	1074	4706		UUUUUUUUU
	TIMBER							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
OR6NPP2672	ALDER CREEK	44 48.5	H	90.0	0	0	3512.9	UUUUUUU
E 5	WHEELER JOHN DAY RIVE	119 52.9	IS	75000	15030	61246	57.357	
NW		4976	1840.0	89.9	15030	61246		UUUUUUUUU
	SPRAY/KIMBERLY							
OR6NPP2690	BERRY	44 48.5	H	50.0	0	0	2845.5	UUUUUUU
I 5	WHEELER JOHN DAY RIVE	119 46.0	IS	36100	18601	48337	58.867	
NW		4870	1790.0	49.9	18601	48337		UUUUUUUUU
	SPRAY/KIMBERLY							
OR6NPP2685	HICKS	44 50.9	H	225.0	0	0	6970.7	UYUUUUU
E 6	WHEELER JOHN DAY RIVE	120 25.0	IS	555000	65000	284600	24.492	
NW		5600	1900.0	219.7	65000	284600		UYYYUUUUU
	CLARNO/SANDROCK MTN/PAINTED							
OR6NPP0609	HOOGIE OOOGIE	44 47.9	H	123.0	0	0	6628.6	UUUUUUU
D 5	WHEELER JOHN DAY RIVE	119 54.9	IS	190000	63179	127762	51.882	
NW		4976	1840.0	119.8	63179	127762		UUUUUUUUU
	SPRAY/KIMBERLY/PICTURE GORGE							
OR6NPP0613	SPRAY KIMBERLY	44 45.5	HCR	305.0	0	0	9185.6	YYYYUUU
I 6	WHEELER JOHN DAY RIVE	119 39.4	SP	1620000	74100	324400	28.315	
NW		4765	1740.0	279.7	74100	324400		UYYYYYYNY
	KIMBERLY/PICTURE GORGE/MONUM							
OR6NPP0614	TWICKENHAM	44 44.4	H	265.0	0	0	9288.8	UYUUUUU
D 6	WHEELER JOHN DAY RIVE	120 20.9	IS	871000	75100	328900	28.242	
NW		5594	1900.0	259.7	75100	328900		UYYYUUUUU
	PAINTED HILLS/MITCHELL/KINZU							
ORNNPP0615	BAKER CREEK MCMINNVILLE	45 12.6	OH	0	0	0	60.170	UUUUUUU
D 5	YAMHILL BAKER CREEK	123 15.0	OP	0	200	900	66.855	
NW	UNKNOWN		0	230.0	200	900		UUUUUUUUU
OR6NPP0617	BUCK HOLLOW	45 8.4	CI	235.0	0	0	4367.7	UUUUUUU
I 5	YAMHILL WILLAMINA CRE	123 28.9	IS	160000	8200	35800	122. 0	
NW		61	229.0	234.7	8200	35800		UUUUUUUUU
	SHERIDAN/GRAND RONDE							
OR6NPP0633	CEDAR CREEK	45 5.9	CI	155.0	0	0	2127.1	UUUUUUU
I 5	YAMHILL SOUTH YAMHILL	123 37.5	IS	58000	1500	6600	322.29	
NW		15	64.0	154.8	1500	6600		UUUUUUUUU
	GRAND RONDE							

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OR6NPP0616	FAIRDALE LOWER	45 31.5	H	215.0	0	0	2838.9	UUUUUUU
I 5 NW	YAMHILL NORTH YAMHILL	123 17.4 50	IS 180.0	175000 209.7	2196 2196	10240 10240	277.21	UUUUUUUUU
	FAIRDALE							
OR4NPP0624	FAIRDALE UPPER	45 20.9	CIR	54.0	0	0	723.43	UUUUUUU
I 5 NW	YAMHILL N YAMHILL RIV	123 18.9 25	IS 124.0	3630 53.9	1013 1013	4440 4440	162.93	UUUUUUUUU
	FAIRDALE							
ORCNPP0638	MCMINNVILLE DAM 4=C	45 18.5	S	74.0	0	0	118.18	UUUUUUU
I 5 NW	YAMHILL NESTUCCA RIVE CITY OF MCMINNVILLE	123 24.4 9	OP 40.0	3760 63.9	400 400	1700 1700	69.522	UUUUUUUUU
	FAIRDALE							
OR6NPP0625	MOORES VALLEY	45 20.5	CIR	108.0	0	0	923. 4	UUUUUUU
I 5 NW	YAMHILL HASKINS CREEK	123 18.0 15	IS 64.0	24500 107.8	1057 1057	4634 4634	199.19	UUUUUUUUU
	FAIRDALE							
OR6NPP0623	WILLAMINA CREEK LOWER	45 7.5	CIR	99.0	0	0	2232.5	UUUUUUU
I 5 NW	YAMHILL WILLAMINA CRE	123 28.9 67	IS 225.0	22180 98.9	3400 3400	14900 14900	149.83	UUUUUUUUU
	SHERIDAN/GRAND RONDE							

SOUTH DAKOTA (SD)

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
SDIMR00298	SPEARFISH 2	44 20.5	I H	0	4000	13000	0	332N2N3
I 5	LAWRENCE SPEARFISH CRE	103 54.8	OP	0	0	0	0	
RM	HOMESTAKE MINING			0	0	0		N3333333
SDIMR00297	SPEARFISH 1	44 25.0	I H	0	4000	19000	0	332N2N3
I 5	LAWRENCE SPEARFISH CR	103 52.0	OP	0	0	0	0	
RM	HOMESTAKE MINING			0	0	0		N3333333

UTAH (UT)

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ MI)	PROJ.PURP. / STATUS / (CFS)	DAM HT TOT. STOR (FT) / PWR. HD. (FT) / (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) / (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) / (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
UTHSPK0788	BEAVER NO 2 POWERHOUSE	38 17.1	H	0	0	0	0	
4	BEAVER BEAVER RIVER	112 35.9	OP	0	0	0	0	
NW	BEAVER CITY CORP	90	50.0	140.0	0	**********		
UTHSPK0793	BRIGHAM POWERHOUSE NO 1	41 30.1	H	0	1200	3699	0	3333333
5	BOX ELDER BOX ELDER CRE	111 59.2	OP	0	0	0	0	
NW	BRIGHAM CITY CORP	12	-15.9	575.0	1200	3699		3333UUUUU
	MOUNT PISGAH QUAD							
UTHSPK0794	BRIGHAM POWERHOUSE NO 2	41 30.1	H	0	450	2192	0	3333333
5	BOX ELDER BOX ELDER CRE	111 59.6	OP	0	0	0	0	
NW	BRIGHAM CITY CORP	12	-15.9	500.0	450	2192		3333UUUUU
	MOUNT PISGAH QUAD							
UTJSPK0791	CUTLER	41 50.1	H I	109.0	30000	109357	1583.4	3333333
2	BOX ELDER BEAR RIVER	112 3.0	OP	26548	32646	9338	169.55	
NW	UTAH POWER + LIGHT CO	6267	2000.0	127.0	62646	118695		3333UUUUU
	CUTLER DAM QUAD							
UT6SPK0795	BEAVER NARROWS	41 59.0	C	130.0	0	0	600.53	UUUUUUU
I 5	CACHE LOGAN RIVER	111 35.9	IS	4877	98	825	727.54	
NW		17	-44.7	110.8	98	825		UUUUUUUUU
	TONY GROVE QUAD							
UTNSPK9049	BLACKSMITH FORK PROJECT	41 37.3	H	40.0	0	0	379.90	3333333
2	CACHE BLACKSMITH FO	111 45.2	OP	1000	1900	8300	45.771	
NW		268	-128.8	219.7	1900	8300		3333UU5UU
	LOGAN, PARADISE, UT							
UT6SPK0796	BLACKSMITH FORK (HARDWARE RA	41 35.9	H	74.0	0	0	**********	UUUUUUU
I 5	CACHE BLACKSMITH FO	111 33.9	IS	12733	1396	7488	*664782029	
NW		268	129.0	110.8	1396	7488		UUUUUUUUU
	HARDWARE RANCH QUAD							
UTISPK0800	HYRUM RESERVOIR	41 37.5	ICROH	116.0	400	3518	0	3333333
5	CACHE LITTLE BEAR R	111 52.5	OP	18686	0	0	0	
NW	US - WPRS	217	91.0	106.9	400	3518		3333UUUUU
	WELLSVILLE/LOGAN/MOUNT PISCA							
UTHSPK0799	LOGAN CITY	41 44.8	H	0	1400	9612	0	3333333
5	CACHE LOGAN RIVER	111 44.8	OP	0	0	0	0	
NW	LOGAN CITY CORPORATION	220	-248.5	99.0	1400	9612		3333UUUUU
	LOGAN PEAK AND MT ELMER QUAD							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) (S/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
UTCSPK0797	PORCUPINE	41 31.1	I	165.0	0	0	50.657	33UU3U3
2	CACHE EAST FK LITTL	111 44.3	OP	12800	150	1269	39.901	
NW	PORCUPINE RES CO	57	38.0	154.8	150	1269		3333UUUUU
	PORCUPINE RESERVOIR QUAD							
UTJSPK0798	UPPER LOGAN CITY	41 45.0	H	0	0	0	0	
4	CACHE LOGAN RIVER	111 42.2	OP	0	0	0	0	
NW	LOGAN CITY CORP	214	120.0	99.0	0	**********		
UTCSPK0804	SCOFIELD	39 47.1	ICRD	68.0	0	0	59.490	33UU3U3
2	CARBON PRICE RIVER	111 7.5	OP	100000	127	1069	55.648	
NW	US - WPRS	650	79.0	46.5	127	1069		3333UU5UU
	SOLDIER SUMMIT QUAD							
UT4SPK0803	WHITE R TO GRAY CANYON RESER	39 44.4	H	67.0	0	0	7413.8	1242113
I 6	CARBON GREEN RIVER	109 58.4	IS	0	59242	173622	42.700	
NW		39500	-6217.6	51.9	59242	173622		122UUUUUU
	FIREWATER CANYON,NUTTERS HOL							
UTISPK0807	FLAMING GORGE RESERVOIR	40 54.8	HCSRD	502.0	108000	328321	4813.5	3333333
5	DAGGETT GREEN RIVER	109 25.2	OP	4150000	225278	90395	53.249	
NW	US - WPRS	15150	2072.0	473.7	333278	418717		3333U15UU
	DUTCH JOHN QUAD							
UT4SPK0806	FLAMING GORGE TO BACKWATER E	40 54.0	H	32.0	0	0	2542.1	UUUUUUU
I 5	DAGGETT GREEN RIVER	109 24.0	IS	0	15087	33229	76.502	
NW		15100	-2320.8	31.9	15087	33229		UUUUUUUUU
	GOSLIN QUAD							
UT6SPK0805	HICKERSON PARK	40 53.0		96.0	0	0	635.18	UUUUUUU
I 5	DAGGETT SHEEP CREEK	109 52.9	IS	9000	9	78	8082.5	
NW		43	-35.3	81.9	9	78		UUUUUUUUU
	PHIL PICO MTN QUAD							
UT5SPK0811	LOWER ROCK CREEK	40 31.9	H	10.0	0	0	1212.1	1342323
I 2	DUCHESNE ROCK CREEK	110 37.9	IS	0	5847	28780	42.117	
NW		131	154.0	709.2	5847	28780		333UUUUUU
	TWOROOSE PASS QUAD							
UTCSPK0820	MOON LAKE	40 33.7	ICRD	101.0	0	0	158.99	33UU3U3
2	DUCHESNE WEST FORK OF	110 29.3	OP	40300	1074	4776	33.287	
NW	US - WPRS	110	128.0	85.9	1074	4776		3333UUUUU
	LAKE FORK MTN. QUAD							

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
UT7SPK0813	MOON LAKE	40 32.9	H	101.0	0	0	1646.1	UUUUUUU
I 5	DUCHESNE LAKE FORK	110 28.4	IS	50000	28	132	12383	
NW		108	129.0	354.6	28	132		UUUUUUUUU
	LAKE FORK MTN QUAD							
UT6SPK0808	ROCK CREEK		H	0	0	0	6283.2	UUUUUUU
I 9	DUCHESNE ROCK CREEK		IS	0	140505	138576	45.341	
NW		175	-198.8	1198.8	140505	138576		UUUUUUUUU
UTCSPK0821	STARVATION RESERVOIR	40 10.8	IR	155.0	0	0	215. 1	3UU3U3
2	DUCHESNE STRAWBERRY RI	110 26.0	OP	188980	1705	8075	26.627	
NW	US - WPRS	1045	127.0	134.5	1755	8075		3333UUUUU
	DUCHESNE QUAD							
UT6SPK9010	TASKEECH RESERVOIR	40 24.2	H	212.0	0	0	3462.6	UUUUUUU
I 5	DUCHESNE LAKE FORK RIV	110 21.3	IS	85600	3102	13519	256.11	
NW		135	-156.0	199.1	3102	13519		UUUUUU4UU
	ALTONAH QUAD							
UT5SPK0809	UINTA RESERVOIR	40 36.5	H	20.0	0	0	4814.0	2342323
I 2	DUCHESNE UINTA RIVER	110 7.6	IS	0	126285	171902	28. 4	
NW		160	-184.9	1498.5	126285	171902		333UUUUUU
	BOLLIE LAKE, HELLER LAKE QUA							
UTHSPK0819	UINTAH POWERPLANT	40 31.9	H	0	1200	10511	2314.1	3333333
2	DUCHESNE POLE CREEK	110 3.9	OP	0	41658	48736	47.482	
NW	MOON LAKE ELEC ASSN INC	181	-208.5	450.0	42858	59248		3333UUUUU
	POLE CREEK CAVE							
UT5SPK0810	UPPER ROCK CREEK	40 35.5	H	100.0	0	0	3787.1	2342323
I 2	DUCHESNE ROCK CREEK	110 42.5	IS	0	71420	62851	60.255	
NW		98	147.0	779.2	71420	62851		333UUUUUU
	EXPLORER PEAK AND TWOROOSE P							
UT5SPK0812	UPPER WEST FORK	40 35.9	H	20.0	0	0	1113.1	2342323
D 2	DUCHESNE LAKE FORK	110 31.0	IS	0	6063	24316	45.777	
NW		60	115.0	799.2	6063	24316		333UUUUUU
	QWEEP CREEK, KIDNEY LAKE QUA							
UT6SPK9009	WHITEROCKS RESERVOIR	40 39.2	H	218.0	0	0	2354.9	UUUUUUU
D 5	DUCHESNE WHITE ROCKS R	110 0.0	IS	35480	2305	9702	242.71	
NW		115	-120.8	201.9	2305	9702		UUUUUU4UU
	PARADISE PARK QUAD							

SITE ID / PRIMARY CO. / DEP / ACTV / POWER AREA	PROJECT NAME / NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) / (D M.M) / (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) / (AC FT) / (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) / (KW) / (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) / (MWH) / (MWH)	ANUL. COST / ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
UTJSPK0817	YELLOWSTONE POWER DIVERSION	40 34.5	H	0	900	7631	0	3333333
5	DUCHESNE YELLOWSTONE R	110 19.6	OP	60	0	0	0	
NW	MOON LAKE ELECTRIC	131	141.0	250.0	900	7631		3333UUUUU
	BURNT MILL SPRING							
UT5SPK0814	YELLOWSTONE	40 34.5	H	10.0	0	0	1477.0	2342323
I 2	DUCHESNE YELLOWSTONE C	110 19.4	IS	0	9838	52055	28.375	
NW		110	-54.3	1498.5	9838	52055		333UUUUUU
	GARFIELD BASIN, LAKE FORK MT							
UT7SPK0826	BLACK BOX CANYON	39 0.5	H	245.0	0	0	2964.2	UUUUUUU
D 5	EMERY SAN RAFAEL RI	110 29.5	IS	510000	996	5954	497.79	
NW		1600	155.0	599.4	996	5954		UUUUUUUUU
	BECKWITH PEAK SW QUAD							
UT5SPK0825	COTTONWOOD RESERVOIR	39 15.5	H	240.0	0	0	4425.8	UUUUUUU
I 5	EMERY COTTONWOOD CR	111 6.4	IS	0	480	3917	1129.6	
NW		86	97.0	779.2	480	3917		UUUUUUUUU
	HIAWATHA QUAD							
UTCSPK0827	ELECTRIC LAKE	39 36.0	H	228.5	0	0	129.36	33UU3U3
2	EMERY HUNTINGTON CR	111 12.7	OP	31272	868	4411	29.322	
NW	UTAH POWER + LIGHT CO	130	-66.3	204.7	868	4411		3333UUUUU
	CANOLAND MTN AND SCOFIELD QU							
UT5SPK0822	GRAY CANYON DAM SITE TO GREE	38 59.0	H	0	0	0	0	UUUUUUU
I 9	EMERY GREEN RIVER	110 9.0	IS	0	0	0	0	
NW		39100	6366.0	105.0	0	**********		UUUUUUUUU
UT4SPK0824	GREEN RVR TO BACKWATER JUNCT	38 36.5	H	100.0	0	0	14693	2342313
I 6	EMERY GREEN RIVER	110 1.5	IS	0	155547	322842	45.514	
NW		40600	-6390.7	84.9	155547	322842		232UUUUUU
	BOWKNOT BEND, GREEN RIVER QU							
UTCSPK0830	HUNTINGTON NORTH RESERVOIR	39 21.1	IR	65.0	0	0	109.44	33UU3U3
2	EMERY HUNTINGTON CR	110 57.2	OP	5690	594	2356	46.447	
NW	US = WPRS	190	-97.0	56.9	594	2356		3333UUUUU
	HUNTINGTON QUAD							
UTCSPK0831	JOES VALLEY RESERVOIR	39 17.3	ICRD	195.0	0	0	49.52	33UU3U3
2	EMERY SEELY CREEK	111 16.1	OP	71860	142	1046	46.855	
NW	US = WPRS	135	90.0	179.2	142	1046		3333UUUUU
	JOES VALLEY RESERVOIR QUAD							

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
UT5SPK0823	MEXICAN BEND	38 59.0	H	30.0	0	0	659.94	UUUUUUU
D 5	EMERY SAN RAFAEL RI	110 28.4	IS	0	393	3116	211.77	
NW		1650	155.0	244.7	393	3116		UUUUUUUUU
	BECKWITH PEAK AND RED PLATEA							
UTCSPK9047	MILL SITE	39 11.0	CI	115.0	0	0	44,363	33UU3U3
2	EMERY FERRON CREEK	111 06.0	OP	18000	110	879	50,443	
NW	FERRON CR IRRIGATION CO AND	155	-74.5	104.8	110	879		3333UU5UU
	CASTLEDALE							
UTCSPK0828	MILLSITE	39 5.7	R	115.0	0	0	43,378	33UU3U3
5	EMERY FERRON CREEK	111 11.0	OP	18000	105	818	52,975	
NW	FERRON CR IRR CO	138	68.0	106.3	105	818		3333UUUUU
	CASTLE DALE QUAD							
UT6SPK0832	ESCALANTE RESERVOIR	37 46.9		147.0	0	0	1151.2	UUUUUUU
I 5	GARFIELD ESCALANTE RIV	111 33.9	IS	23279	72	222	5167.7	
NW		310	17.0	124.8	72	222		UUUUUUUUU
	ESCALANTE QUAD							
UT6SPK0838	DEWEY RESERVOIR	38 47.9	H	335.0	0	0	38775	2142313
I 6	GRAND COLORADO RIVE	109 18.9	IS	8200000	1060756	1390389	27,888	
NW		24100	7655.0	324.6	1060756	1390389		211UUUUUU
	CISCO,COATES CR,POLAR MESA,W							
UT6SPK0836	GRAY CANYON	39 13.4	H	275.0	0	0	20481	1342313
I 6	GRAND GREEN RIVER	110 3.5	IS	0	741330	1045712	19,586	
NW		39100	-6154.6	274.7	741330	1045712		133UUUUUU
	GUNNISON BUTTE, RANGE CREEK,							
UTDSPK0835	MILL CREEK BELOW FORKS RESER	38 32.9	ISR	5.0	0	0	43,743	33UU3U3
2	GRAND MILL CREEK	109 28.0	OP	2750	109	907	48,182	
NW	GRAND COUNTY WATER CONS DIST	75	14.0	199.8	109	907		33335U5UU
UT6SPK0837	MOAB RESERVOIR	38 35.9	H	143.0	0	0	11968	1342113
I 6	GRAND COLORADO RIVE	109 33.9	IS	183000	233102	329195	36,357	
NW		24500	-3856.4	137.8	233102	329195		111UUUUUU
	MOAB, CASTLE VALLEY, CISCO							
UTHSPK0840	CENTER CREEK (PAROWAN) POWER	37 50.5	H	0	0	0	0	
4	IRON CENTER CREEK	112 50.0	OP	0	0	0	0	
NW	PAROWAN CITY CORP	60	7.0	490.0	0	**********		

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UTCSPK0842	SEVIER BRIDGE	39 22.3	I	92.0	0	0	264.87	33UU3U3
2	JUAB SEVIER RIVER	112 1.9	OP	236145	2075	6311	41.969	
NW	DELTA LAND + WATER ETAL	5120	226.0	78.9	2075	6311		3333UUUUU
	SCIPIO NORTH QUAD							
UTCSPK0843	D M A D	39 24.0	I	34.0	0	0	36.491	33UU3U3
5	MILLARD SEVIER RIVER	112 28.8	OP	10990	0	4	8412.6	
NW	D M A D CO	6270	187.0	25.9	0	4		3333UUUUU
	OAK CITY QUAD							
UT6SPK0848	DRY CREEK RESERVOIR	41 8.1		144.0	0	0	2500.7	UUUUUUU
I 5	MORGAN DRY CREEK	111 47.4	IS	8060	19621	44761	55.868	
NW		1610	-554.6	137.8	19621	44761		UUUUUUUUU
	SNOW BASIN QUAD							
UTCSPK0852	EAST CANYON RESERVOIR	40 55.2	ISCO	195.0	0	0	123.32	33UU3U3
2	MORGAN EAST CANYON C	111 35.9	OP	59000	796	3244	38. 6	
NW	US = WPRS	142	53.0	184.8	796	3244		3333UUUUU
	EAST CANYON RESERVOIR QUAD							
UTGSPK0851	GATEWAY POWERHOUSE	41 8.2	H	0	4275	28510	1049.4	3333333
2	MORGAN WEBER RIVER	111 49.7	OP	0	16768	20356	51.551	
NW	WEBER BASIN WTR CONS DIS	1610	-554.9	148.0	21043	48867		3333UUUUU
	SNOW BASIN QUAD							
UT6SPK0850	INTERMEDIATE LOST CREEK	41 14.0		108.0	0	0	1230.5	UUUUUUU
I 5	MORGAN LOST CREEK	111 20.9	IS	4399	101	867	1418.6	
NW		69	-52.3	91.9	101	867		UUUUUUUUU
	FRANCIS CANYON QUAD							
UTCSPK0853	LOST CREEK RESERVOIR	41 11.0	ISROC	190.0	0	0	160.13	33UU3U3
2	MORGAN LOST CREEK	111 24.0	OP	26760	1180	5607	28.554	
NW	US = WPRS	123	23.5	171.8	1180	5607		3333UUUUU
	LOST CREEK DAM QUAD							
UTHSPK0857	BEAVER NO 1 POWERHOUSE	38 16.1	H	0	0	0	0	
4	PIUTE BEAVER RIVER	112 33.5	OP	0	0	0	0	
NW	BEAVER CITY CORP	80	50.0	364.0	0	**********		
UTHSPK0858	PARAGONAH	37 52.8	H	0	0	0	0	
4	PIUTE RED CREED	112 45.3	OP	0	0	0	0	
NW	UTAH PWR + LIGHT CO	60	50.0	732.0	0	**********		
	PARAGONAH QUAD							

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UTCSPK0855	PIUTE	38 19.3	I	95.0	0	0	181.83	33UU3U3
2	PIUTE SEVIER RIVER	112 11.1	OP	71826	1230	5542	32.806	
NW	PIUTE RES + IRR CO	2400	212.0	76.2	1230	5542		3333UUUUU
	MARYSVALE QUAD							
UTHSPK0856	UPPER BEAVER POWERPLANT	38 16.5	H	0	0	0	0	
4	PIUTE BEAVER RIVER	112 28.4	OP	0	0	0	0	
NW	UTAH PWR + LIGHT CO	60	50.0	1100.0	0	**********		
UTGSPK0865	GRANITE POWERHOUSE	40 34.3	H	0	1500	7235	0	3333333
5	SALT LAKE LITTLE COTTON	111 46.3	OP	0	0	0	0	
NW	UTAH POWER AND LIGHT CO	42	-44.4	470.0	1500	7235		3333UUUUU
	DRAPER QUAD							
UTHSPK0866	HYDRO (MURRAY) POWERPLANT	40 35.1	H	12.0	1000	6574	0	3333333
5	SALT LAKE LITTLE COTTON	111 48.0	OP	0	0	0	0	
NW	CITY OF MURRAY	42	-44.4	565.0	1000	6574		3333UUUUU
	DRAPER QUAD							
UTCSPK0864	MOUNTAIN DELL	40 45.1	O	105.0	0	0	53.685	33UU3U3
5	SALT LAKE PARLEYS CREEK	111 43.4	OP	3086	104	880	60.982	
NW	SALT LAKE CITY CORP	50	26.0	99.8	104	880		3333UUUUU
	MOUNTAIN DELL QUAD							
UTGSPK1358	SALT LAKE CITY POWERPLANT	40 48.5	H	0	0	0	0	
9	SALT LAKE CITY CREEK	111 51.4	OP	0	0	0	0	
NW	TEMPLE GRANITE QUARRIES	15	0	=0.0	0	**********		
UTHSPK0867	STAIRS POWERHOUSE	40 37.4	H	0	1000	5139	0	3333333
5	SALT LAKE BIG COTTONWOO	111 45.0	OP	0	0	0	0	
NW	UTAH POWER AND LIGHT CO	40	-42.3	370.0	1000	5139		3333UUUUU
	DRAPER,DROMEDARY PEAK,AND MO							
UT6SPK0873	BLUFF (CHINLE)	37 11.4	H	364.0	0	0	23445	2342332
I 2	SAN JUAN SAN JUAN RIVE	109 43.9	IS	7000000	385826	423287	55.388	
NW		22900	2586.0	353.6	385826	423287		311UUUUUU
	BOUNDARYBUTTE,CAJON MESA,ANE							
UT4SPK0871	GOOSENECKS	37 9.0	H	187.0	0	0	8416.2	2342333
S 2	SAN JUAN SAN JUAN RIVE	109 56.0	IS	0	180547	266530	31.577	
NW		23200	2586.0	176.8	180547	266530		322UUUUUU
	MEXICAN HAT QUAD							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
UT5SPK0869	LAKE POWELL TO UPPER MOAB	38 3.9	H	10.0	0	0	6229.2	UUUUUUU
I 5	SAN JUAN COLORADO RIVE	110 3.0	IS	0	7585	66383	93.837	
NW		67734	-417.5	248.7	7585	66383		UUUUUUUUU
	HATCH POINT QUAD							
UT5SPK0870	SLICK HORN TO UPPER LIMIT LA	37 18.9	H	10.0	0	0	2795.8	2UUUUUU
E 5	SAN JUAN SAN JUAN RIVE	110 12.5	IS	0	7958	37773	74. 15	
NW		23688	-1517.0	38.9	7958	37773		UUUUUUUUU
	GRAND GULCH QUAD							
UT6SPK0872	SLICK HORN CANYON	37 17.9	H	218.0	0	0	9161.7	2342333
D 2	SAN JUAN SAN JUAN RIVE	110 9.0	IS	300000	232640	318428	28.771	
NW		23500	-2519.2	207.7	232640	318428		333UUUUUU
	GRAND GULCH, GOULDING, MEXIC							
UTGSPK0879	EPHRAIM NO 1 POWERHOUSE	39 20.5	H	0	150	1113	0	3333333
5	SANPETE EPHRAIM CREEK	111 32.7	OP	0	0	0	0	
NW	CITY OF EPHRAIM	5	-6.0	1370.0	150	1113		3333UUUUU
	EPHRAIM QUAD							
UTMSPK0880	EPHRAIM NO 2 POWERHOUSE	39 20.1	H	0	0	0	39.276	3333333
5	SANPETE EPHRAIM CREEK	111 31.5	OP	0	81	410	95.577	
NW	CITY OF EPHRAIM	1	-2.2	1158.8	81	410		3333UUUUU
	EPHRAIM QUAD							
UTHSPK0886	FOUNTAIN GREEN POWERHOUSE	39 38.4	H	0	0	0	0	
1	SANPETE BIG SPRINGS	111 39.9	OP	0	0	0	0	
NW	UTAH PWR + LIGHT CO	1	-0.9	200.0	0	**********		
UTCSPK0875	GUNNISON BEND	39 20.7	I	19.0	0	0	36.643	33UU3U3
5	SANPETE SEVIER RIVER	112 37.5	OP	2700	0	2	14525	
NW	DESERET IRR CO	6270	187.0	11.9	0	2		3333UUUUU
	DELTA QUAD							
UTMSPK0882	LOWER FAIRVIEW POWERHOUSE	39 38.2	H	0	100	738	0	3333333
5	SANPETE CUTTONWOOD CR	111 25.2	OP	0	0	0	0	
NW	FAIRVIEW CITY CORP	12	-13.9	390.0	100	738		3333UUUUU
	FAIRVIEW QUAD							
UTHSPK0881	LOWER MOUNT PLEASANT POWERHO	39 32.3	H	0	0	0	0	
1	SANPETE PLEASANT CREE	111 22.5	OP	0	0	0	0	
NW	MT PLEASANT CITY CORP	6	-7.1	315.0	0	**********		

SITE ID / DEP / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
UTGSPK0883	MANTI POWERHOUSE	39 15.3	H	0	120	1019	0	3333333
5	SANPETE MANTI CREEK	111 36.6	OP	0	0	0	0	
NW	MANTI CITY LIGHT AND POW	27	=31.3	366.0	120	1019		3333UUUUU
	EPHRAIM QUAD							
UTGSPK0884	MOUNTAIN SPRINGS POWERHOUSE	39 15.3	H	0	400	3500	2191.9	3333333
2	SANPETE MANTI CREEK	111 36.6	OP	0	66272	47730	45.924	
NW	MANTI CITY LIGHT AND POW	27	=31.3	2618.0	66672	51230		3333UUUUU
	EPHRAIM QUAD							
UTGSPK1356	SPRING CITY POWERHOUSE	39 27.8	H	15.0	0	0	0	
I 9	SANPETE OAK CREEK	111 26.5	OP	0	0	0	0	
NW	SPRING CITY CORP	8	0	=0.0	0	**********		
	SPRING CITY QUAD							
UTHSPK0885	UPPER MOUNT PLEASANT POWERHO	39 31.9	H	0	0	0	0	
1	SANPETE PLEASANT CREE	111 21.6	OP	0	0	0	0	
NW	MOUNT PLEASANT CITY CORP	1	=2.2	415.0	0	**********		
UTGSPK0890	LOWER MONROE POWERHOUSE	38 35.9	H	0	100	875	44.892	3333333
5	SEVIER MONROE CREEK	112 7.0	OP	0	121	886	50.657	
NW	MONROE CITY CORP	39	=24.1	284.0	221	1762		3333UUUUU
	MONROE QUAD							
UTGSPK0891	UPPER MONROE POWERHOUSE	38 36.5	H	0	125	1094	779.76	3333333
2	SEVIER MONROE CREEK	112 5.9	OP	0	13546	20549	37.946	
NW	MONROE CITY CORP	39	=24.1	1450.0	13671	21644		3333UUUUU
	MONROE QUAD							
UTCSPK0899	ECHO RESERVOIR	40 57.8	IR	158.0	0	0	370. 0	33U3U3
2	SUMMIT WEBER RIVER	111 25.9	OP	74000	3596	18358	20.155	
NW	US - WPRS	732	200.0	129.8	3596	18358		3333UUUUU
	COALVILLE QUAD							
UT6SPK0892	JEREMY POINT	40 47.9		151.0	0	0	2278.5	UUUUUUU
I 5	SUMMIT EAST CANYON C	111 35.0	IS	36973	2015	10075	226.15	
NW		208	=285.5	127.8	2015	10075		UUUUUUUUU
	PARK CITY WEST							
UT6SPK0893	LOWER LARABEE FLATS	40 47.9		135.0	0	0	1699.2	UUUUUUU
I 5	SUMMIT WEBER RIVER	111 5.0	IS	8936	210	1767	961.62	
NW		75	=102.9	114.8	210	1767		UUUUUUUUU
	SOAP STONE BASIN QUAD							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M,M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M,M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
UTISPK0900	ROCKPORT LAKE	40 47.3	ISRCCH	156.0	1425	8225	0	3333333
5	SUMMIT WEBER RIVER	111 24.1	OP	72000	0	0	0	
NW	US = WPRS	332	182.0	136.9	1425	8225		3333UU5UU
	WANSHIP QUAD							
UT6SPK0895	SOUTH FORK WEBER	40 45.0	H	97.0	0	0	1086.0	UUUUUUU
I 5	SUMMIT SOUTH FORK WE	111 13.9	IS	1056	960	5049	215.6	
NW		163	222.0	81.9	960	5049		UUUUUUUUU
	HIDDEN LAKE AND HOYT PEAK QU							
UT5SPK0904	ASHLEY CREEK RESERVOIR	40 37.5	H	100.0	0	0	1120.6	2342313
I 6	UINTAH ASHLEY CREEK	109 37.9	IS	110	8053	27314	41.26	
NW		62	67.0	1698.3	8053	27314		333UUUUUU
	TAYLOR MTN QUAD							
UT7SPK0903	SPLIT MOUNTAIN RESERVOIR	40 25.4	H	250.0	0	0	8419.7	1242313
I 6	UINTAH GREEN RIVER	109 17.4	IS	335000	117082	490640	17.160	
NW		22880	-2469.5	314.6	117082	490640		133UUUUUU
	SPLIT MTN QUAD							
UT6SPK9008	TYZACK (RED FLEET)	40 34.5	H	145.0	0	0	2176.0	UUUUUUU
D 5	UINTAH BRUSH CREEK	109 2.5	IS	18000	167	1392	1563.1	
NW		85	-85.1	126.8	167	1392		UUUUUU4UU
	DONKEY FLAT QUAD							
UT5SPK0902	UPPER WHITEROCKS	40 36.5	H	50.0	0	0	2700.3	3342323
D 2	UINTAH WHITEROCKS RI	109 56.0	IS	0	32638	51611	52.320	
NW		74	-74.1	1198.8	32638	51611		333UUUUUU
	RASMUSSEN LAKES,PARADISE PAR							
UT5SPK0907	ALTA TUNNEL POWERHOUSE	40 33.9	H	0	0	0	0	UUUUUUU
I 9	UTAH LITTLE COTTON	111 42.5	IS	0	0	0	0	
NW		27	-24.9	650.0	0	**********		UUUUUUUUU
UTHSPK0912	AMERICAN FORK PH	40 26.2	H	0	950	6500	862.75	3333333
5	UTAH AMERICAN FORK	111 43.6	OP	0	8417	12234	70.515	
NW	UTAH POWER AND LIGHT	52	-55.0	574.0	9367	18734		3333UUUUU
	TIMPANOGOS CAVE							
UTGSPK0913	BARTHOLOMEW POWERHOUSE	40 9.6	H	0	500	4374	1002.9	3333333
2	UTAH HOBBLE CREEK	111 31.5	OP	0	22718	19381	51.748	
NW	SPRINGVILLE MUN CORP	98	-42.5	890.0	23218	23755		3333UUUUU
	SPRINGVILLE QUAD							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
UT4SPK0908	CASTILLA	40 1.9	H	0	0	0	0	UUUUUUU
D 9	UTAH SPANISH FORK	111 31.9	IS	0	0	0	0	
NW		168	-73.9	212.0	0	**********		UUUUUUUUU
UT7SPK9005	DYNE	40 4.9	H	150.0	0	0	1027.5	UUUUUUU
D 5	UTAH DIAMOND FORK	111 20.5	IS	500	2669	15644	65.683	
NW		267	-49.6	799.2	2669	15644		UUUUUU4UU
	RAYS VALLEY QUAD							
UT6SPK9012	HAYES RESERVOIR	40 1.9	C	200.0	0	0	2909.2	UUUUUUU
D 5	UTAH SPANISH FORK	111 30.4	IS	51500	981	4724	615.77	
NW		160	172.0	183.8	981	4724		UUUUUU4UU
	SPANISH FORK PEAK QUAD							
UTHSPK1355	HOBBLE CREEK POWERHOUSE	40 09.5	H	0	0	0	0	
9	UTAH HOBBLE CREEK	111 31.5	OP	0	0	0	0	
NW	SPRINGVILLE MUNI CORP		0	110.0	0	**********		
	SPRINGVILLE UTAH QUAD							
UTHSPK0914	LOWER STRAWBERRY POWERHOUSE	40 4.7	H	0	0	0	0	
4	UTAH SPANISH FORK	111 36.2	OP	0	0	0	0	
NW	STRAWBERRY WTR USERS ASS		175.0	48.0	0	**********		
UTHSPK0915	OLMSTED POWERHOUSE	40 18.7	H	0	12700	75730	0	3333333
5	UTAH PROVO RIVER	111 39.4	OP	0	0	0	0	
NW	UTAH POWER AND LIGHT CO	640	383.0	340.0	12700	75730		3333UUUUU
	OREM QUAD							
UTGSPK0916	PAYSON POWERHOUSE	40 0.7	H	0	400	3475	165.98	3333333
2	UTAH PETEETNEET CR	111 42.5	OP	0	1457	6145	27. 11	
NW	STRAWBERRY WTR USERS ASS	26	-24.0	636.0	1857	9620		3333UUUUU
	SPANISH FORK PEAK QUAD							
UT6SPK0910	SIXTH WATER 3	40 4.9	H	0	0	0	0	UUUUUUU
D 9	UTAH SIXTH WATER C	111 20.5	IS	0	0	0	0	
NW		232	-42.5	823.0	0	**********		UUUUUUUUU
UT7SPK9006	SIXTH WATER	40 4.9	H	150.0	0	0	966.42	UUUUUUU
D 5	UTAH SIXTH WATER C	111 20.5	IS	680	2736	14067	68.697	
NW		232	-43.1	769.2	2736	14067		UUUUUU4UU
	TWO TOM HILL, RAYS VALLEY QU							

SITE ID / PROJECT NAME / PRIMARY CO. =NAME OF STREAM	LATITUDE / LONGITUDE	PROJ.PURP. / STATUS	DAM HT / TOT. STOR	EXIST.CAP. / INC. CAP.	EXIST.ENRG / INC.ENERGY	ANUL. COST / ENERGY COST	ENVIRONMENTAL IMPACT CODE
DEP ACTV / OWNER / MAP REFERENCE	DR.AREA (D M.M)	AVE. Q	PWR. HD. (FT)	TOT. CAP. (KW)	TOT.ENERGY (MWH)	(1000 $)	
POWER AREA	(D M.M) (SQ.MI)	(CFS)	(AC FT) (FT)	(KW)	(MWH)	($/MWH)	SOCIAL IMPACT CODE
UTHSPK1374 / SPRING CREEK PH	40 09.6	H	0	0	0	0	
0 / UTAH SPRING CREEK	111 34.2	OP	0	0	0	0	
NW / SPRINGVILLE MUNI CORP		0	300.0	0	**********		
SPRINGVILLE QUAD							
UTHSPK0917 / UPPER STRAWBERRY PH	40 5.1	H	0	0	0	0	
4 / UTAH SPANISH FORK	111 36.2	OP	0	0	0	0	
NW / STRAWBERRY WTR USERS ASS		175.0	123.0	0	**********		
SPANISH FORK PEAK QUAD							
UTISPK0923 / DEER CREEK RESERVOIR	40 24.0	IHCSD	0	0	0	0	
4 / WASATCH PROVO RIVER	111 31.9	OP	0	0	0	0	
NW / DOI USBR	560	377.0	140.0	0	**********		
UTHSPK0920 / HEBER POWERHOUSE	40 34.1	H	0	600	5203	0	3333333
5 / WASATCH PROVO RIVER	111 25.7	OP	0	0	0	0	
NW / SPRINGVILLE MUN CORP	240	-326.8	120.0	600	5203		3333UUUUU
HEBER CITY QUAD							
UT6SPK9011 / JORDANELLE RESERVOIR	40 35.9	C	276.0	0	0	7594.0	UUUUUUU
I 5 / WASATCH PROVO RIVER	111 24.9	IS	332300	53302	58057	130.80	
NW	260	-356.9	264.7	53302	58057		UUUUUU4UU
HEBER CITY QUAD							
UTHSPK0921 / SNAKE CREEK POWERHOUSE (HEBE	40 33.5	H	0	0	0	0	
1 / WASATCH SNAKE CREEK	111 31.6	OP	0	0	0	0	
NW / HEBER LIGHT AND PWR PLAN	0	-0.4	1895.0	0	**********		
UTHSPK0922 / SNAKE CREEK POWERHOUSE (UTAH	40 32.7	H	0	0	0	0	
1 / WASATCH SNAKE CREEK	111 30.2	OP	0	0	0	0	
NW / UTAH POWER AND LIGHT CO	7	-5.9	752.0	0	**********		
UTCSPK0924 / STRAWBERRY RESERVOIR (SOLDIE	40 9.5	ICRD	251.0	0	0	152.57	33UU3U3
2 / WASATCH STRAWBERRY RI	111 6.7	OP	1107000	1141	5713	26.704	
NW / US = WPRS	210	31.0	240.1	1141	5713		3333UU4UU
STRAWBERRY RESERVOIR NE QUAD							
UTDSPK9007 / SYAR	40 7.4	H	0	0	0	101.12	33UU3U3
2 / WASATCH STRAWBERRY DF	111 17.5	IS	270000	301	2636	38.357	
NW	215	273.0	331.6	301	2636		3333UU4UU
STRAWBERRY RES NW, RAYS VALL							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. -NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
UTCSPK0927	MILL MEADOW	38 29.6	I R	115.3	0	0	42,802	33UU3U3
5	WAYNE FREMONT RIVER	111 34.3	OP	5232	101	818	52,303	
NW	FREMONT IRR CO	173	-83.1	103.8	101	818		3333UUUUU
	LOA / NE QUAD							
UTSSPK0926	TAILRACE OF TORREY TO CAPITO	38 16.9	H	10.0	0	0	1361.7	1342333
I 6	WAYNE FREEMONT RIVE	111 13.9	IS	0	7771	29677	45,885	
NW		888	-37.4	1238.7	7771	29677		233UUUUUU
	TORREY QUAD							
UTCSPK0930	CAUSEY RESERVOIR	41 17.9	IORC	200.0	0	0	114. 8	33UU3U3
2	WEBER SOUTH FORK OG	111 35.5	OP	8730	694	3767	30,279	
NW	US - WPRS	81	112.0	187.4	694	3767		3333UUUUU
	CAUSEY DAM QUAD							
UTCSPK0931	PINEVIEW RESERVOIR	41 15.0	ISCRO	132.0	0	0	197.49	33UU3U3
2	WEBER OGDEN RIVER	111 50.5	OP	116000	1537	8114	24,338	
NW	US - WPRS	298	214.0	122.8	1537	8114		3333UUUUU
	HUNTSVILLE AND SNOW BASIN QU							
UTHSPK0928	PIONEER POWERHOUSE	41 14.6	H	0	0	0	0	
4	WEBER OGDEN RIVER	111 56.7	OP	0	0	0	0	
NW	UTAH POWER AND LIGHT CO	310	10.0	423.0	0	**********		
UTGSPK0929	WEBER PH	41 8.0	H	0	2500	20286	1658.7	3333333
2	WEBER WEBER RIVER	111 52.6	OP	0	25110	40996	40,460	
NW	UTAH PWR AND LIGHT CO	1610	-554.9	184.0	27610	61283		3333UUUUU
	OGDEN QUAD							

WASHINGTON (WA)

SITE ID / PRIMARY CO. / DEP CODE / ACTV INV / POWER AREA	PROJECT NAME / NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA5NPW0473	CHARLEY CREEK	46 17.3	H	10.0	0	0	485.24	NNYYYUN
I 5	ASOTIN ASOTIN CREEK	117 16.5	IS	90	604	3430	141.44	
NW		122	55.0	299.7	604	3430		UNNNNNNUN
WA5NPW2625	GEORGE CREEK	46 19.1	HS	10.0	0	0	541.47	NNYYYUN
I 5	ASOTIN ASOTIN	117 8.5	IS	90	1056	5528	97.936	
NW		156	70.0	399.6	1056	5528		UNNNNNNUN
WA6NPW0469	NARROWS	46 2.7		230.0	0	0	10855	NUYYYUN
I 6	ASOTIN GRANDE RONDE	117 2.2	IS	137000	226150	435490	24.926	
NW		3500	3320.0	204.7	226150	435490		UNYYNYNUY
WA4NPW0470	RAYS FERRY	46 0.9	H	134.0	0	0	7745.1	NUYYYUN
I 6	ASOTIN GRANDE RONDE	117 11.0	IS	38000	106892	276583	28. 2	
NW		3482	3480.0	133.8	106892	276583		UNNNNYNUY
	FEILD SPRINGS 1:24000.							
WA6NPW0468	WENAHA	46 2.5	HC	570.0	0	0	22384	NUYYYUN
I 6	ASOTIN GRANDE RONDE	117 15.3	IS	1250000	580301	864205	25.901	
NW		3300	3250.0	557.4	580301	864205		UYYYNYNUY
WA4NPS0166	BEN FRANKLIN	46 25.5	HR	82.0	0	0	68719	NYYYYUU
S 6	BENTON COLUMBIA R.	119 15.5	IS	726180	864000	3845000	17.872	
NW	CORPS OF ENGINEERS	96872	-123068.5	54.9	864000	3845000		YYNUYYYYY
	WOODED ISLAND, WA							
WAHNPS0167	CHANDLER (PROSSER DIV).	46 12.7	HI	55.0	12000	80000	0	UUUUUUU
I 5	BENTON YAKIMA R	119 46.3	OP	1	0	0	0	
NW	BUREAU OF RECLAMATION	5452	-3635.6	121.0	12000	80000		UUUUUUUUU
	PROSSER, WA							
WADNPS3107	ANTILON LAKE DAM	47 57.7	IR	65.0	0	0	37.588	UUUUUUU
I 5	CHELAN TR JOHNSON CR	120 9.1	OP	2560	5	43	855.63	
NW	LAKE CHELAN RECL DIST	19	-6.5	59.9	5	43		UUUUUUUUU
	MANSON, WA							
WA5NPS0168	BEACON HILL ABOVE ELEV 612	47 29.3	H	30.0	0	0	4387.2	NNYUYUU
S 5	CHELAN WENATCHEE R	120 24.9	IS	1	17362	71882	61. 33	
NW		1301	-3512.2	44.0	17362	71882		YNNUUUUUU
	MONITOR, WA							

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / PWR. HD. / TOT. STOR (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA5NPS2671	CHIWAUKUM	47 42.4	H	30.0	0	0	3722.0	NYYUYUU
S 5	CHELAN WENATCHEE R	120 41.2	IS	6000	14950	60887	61.129	
NW		600	-1904.8	68.0	14950	60887		YYNUUUUUU
	LEAVENWORTH, WA (15)							
WA7NPS0178	CHIWAWA	47 53.2	HC	185.0	0	0	7759.4	NYYYYUU
I 6	CHELAN CHIWAWA RIVER	120 41.5	IS	225000	55245	303048	25.604	
NW		163	-915.4	528.0	55245	303048		YNNUUUUUY
	CHIKAMIN CR, WA							
WAMNPS2668	DRYDEN	47 33.6	H	8.0	0	0	334.33	UNUUUUU
D 2	CHELAN WENATCHEE R	120 34.5	IS	1	5000	30000	11.144	
NW	PUGET SOUND POWER AND LIGHT	1150	-3671.9	59.9	5000	30000		UUUUUUUYY
	LEAVENWORTH, WA (15).							
WACNPS3108	EIGHTMILE LAKE	47 31.1	IR	19.0	0	0	37.112	UUUUUUU
I 5	CHELAN EIGHT MILE CR	120 51.4	IS	1610	0	7	5119.6	
NW	ICICLE IRRIGATION DIST	8	-13.1	18.9	0	7		UUUUUUUUU
	CHIWAUKUM, MTN, WA(15).							
WA4NPS0183	HIGH BRIDGE AGNES CREEK	48 23.2	H	690.0	0	0	17805	YNUUUUU
I 5	CHELAN STEHEKIN RIVE	120 50.3	IS	320000	53408	285640	62.335	
NW		158	-662.9	680.0	53408	285640		UUUUUUUUU
	MCGREGOR MTN,WA MT LYALL GOO							
WAJNPS0184	LAKE CHELAN	47 50.1	HR	36.0	48000	361000	5615.2	UUUUUUU
I 5	CHELAN CHELAN RIVER	120 0.7	OP	1676000	225000	0	0	
NW	CHELAN CO PUD NO 1	924	-2089.1	392.0	273000	361000		UUUUUUUUU
	CHELAN,WA CHELAN FALLS,TU ST							
WA5NPS0170	LEAVENWORTH	47 39.4	H	70.0	0	0	7600.1	NYYYYNN
S 6	CHELAN WENATCHEE R	120 43.7	IS	1	166611	683198	11.124	
NW		670	-2611.6	552.0	166611	683198		YYYUUUUUY
	LEAVENWORTH, WA (15)							
WA5NPS0182	LUCERNE RAILROAD CREEK	48 10.1	H	60.0	0	0	2771.2	NNYNYUU
I 2	CHELAN RAILROAD CR	120 34.4	IS	12400	30441	119191	23.250	
NW		70	-223.7	1133.0	30441	119191		YNNUUUUUY
	LUCERNE, WA (15)							
WA6NPS0181	MCKENZIE CANYON	47 46.5	H	290.0	0	0	7759.1	UUUUUUU
I 5	CHELAN ENTIAT RIVER	120 22.8	IS	255000	51156	74051	104.78	
NW		220	-431.4	279.7	51156	74051		UUUUUUUUU
	TYEE MTN, WA BRIEF							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. *NAME OF STREAM	*LONGITUDE	STATUS	*TOT. STOR	INC. CAP.	*INC.ENERGY	*ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	*PWR. HD.	TOT. CAP.	*TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
WA5NPS0169	MONITOR	47 31.8	H	30.0	0	0	6451.6	NNYYYUU
S 6	CHELAN WENATCHEE R	120 31.1	SI	1	67451	274695	23,486	
NW		1165	=3698.5	158.0	67451	274695		YNNUUUUUUY
	LEAVENWORTH, WA (15)							
WA5NPS2669	PESHASTIN	47 35.1	H	30.0	0	0	6514.2	NYYUYUU
E 5	CHELAN WENATCHEE RIV	120 39.9	IS	1	22800	92853	70.156	
NW		915	=2904.8	68.0	22800	92853		YYNUUUUUU
	LEAVENWORTH, WA.(15).							
WA6NPS0171	PLAIN	47 44.8	HC	210.0	0	0	11203	YNUUUUU
I 6	CHELAN WENATCHEE	120 39.6	IS	1560000	55472	301868	37.112	
NW		592	=2307.5	208.0	55472	301868		UUUUUUUUU
	LEAVENWORTH WA.(15),PLAIN WA							
WA5NPS0176	REACH FROM S F TO TROUT CR R	47 38.0	H	30.0	0	0	1004.0	YNUUUUU
I 5	CHELAN ICICLE CRK	120 57.6	IS	1	646	5633	178.23	
NW		49	=273.4	234.7	646	5633		UUUUUUUUU
	CHIWAUKUM MTS. WASH.(15).							
WAINPS0188	ROCK ISLAND POOL	47 20.5	HR	90.0	622500	2229907	0	UUUUUUU
I 5	CHELAN COLUMBIA RIVE	120 5.5	OP	130000	0	0	0	
NW	CHLEAN CO PUD NO.1	89400	=121694.2	31.7	622500	2229907		UUUUUUUUU
	ROCK IS. DAM,WA MALAGA WENAT							
WAINPS0189	ROCKY REACH	47 31.9	HR	120.0	1213150	5363454	0	UNUUUUU
I 5	CHELAN COLUMBIA RIVE	120 17.5	OP	382000	0	0	0	
NW	CHELAN CO PUD NO 1	94100	=130122.4	68.9	1213150	5363454		UUUUUUUYY
	ROCKY REACH DAM,WA TO WELLS							
WA5NPS0179	SEARS CR	47 55.8	H	30.0	0	0	1593.3	UUUUUUU
E 5	CHELAN WHITE RIVER	120 54.5	IS	71280	799	6971	228.55	
NW		150	=837.1	94.9	799	6971		UUUUUUUUU
	WENATCHEE LAKE WASH.(15).							
WAHNPS0193	TRINITY	48 5.4	H	10.0	240	300	568.18	UNUUUUU
I 2	CHELAN PHELPS CR	120 49.6	OP	1	5777	24388	23.297	
NW	SMITH JESSE I	15	=84.2	611.0	6017	24688		UUUUUUUUU
	HOLDEN, WA (15)							
WA5NPS0175	TROUT CR RES TO 8 MILE FLAT	47 36.4	H	30.0	0	0	3637.5	NNYUYUU
S 2	CHELAN ICICLE CREEK	120 53.0	IS	1	36493	149715	24.296	
NW		122	=685.1	466.0	36493	149715		YNNNUUUUY
	CHIWAUKUM MTNS., WA (15)							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) / (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) / (MWH)	ANUL. COST / ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WAANPS3210	TUMWATER	47 37.0	H	25.0	0	0	552.70	NUYUYUU
I 2	CHELAN WENATCHEE R.	120 43.2	SP	0	5000	30000	18.423	
NW			1100.0	60.0	5000	30000		YUUUUUUYY
	LEAVENWORTH, WA (15)							
WADNPS3109	WAPATO LAKE DAM	47 55.3	IR	16.0	0	0	36.852	UUUUUUU
I 5	CHELAN TRIB TO LAKE	120 10.4	OP	8800	0	3	12224	
NW	LAKE CHELAN IRIG PROJECT	6	=2.0	12.9	0	3		UUUUUUUUU
	MANSON,WA							
WA5NPS0174	8 MI CR RES TO ICICLE CANAL	47 34.1	H	30.0	0	0	3732.2	NYYYYUU
S 2	CHELAN ICICLE CREEK	120 47.1	IS	1	59108	242491	15.391	
NW		149	=836.7	618.0	59108	242491		YNNUUUUUY
	CHIWAUKUM MTNS., WA (15)							
WAINPS0208	ELWHA DAM	48 5.6	HR	100.0	12000	60000	633.45	UNUUUUU
I 5	CLALLAM ELWHA RIVER	123 33.3	OP	7600	6340	12322	51.408	
NW	CROWN ZELLERBACH CORP	308	=1742.7	104.0	18340	72322		UUUUUUUUU
	ELWHA							
WA5NPS0205	FAIRHOLM	48 2.6	H	25.0	0	0	4075.2	YNUUUUU
I 6	CLALLAM SOLEDUCK RIVE	123 57.4	IS	1	46333	174490	23.355	
NW		84	=633.2	514.0	46333	174490		UUUUUUUUU
	MOUNT MULLER							
WA7NPS0197	FORKS	47 58.6	H	400.0	0	0	5770.3	NNYYYUU
S 6	CLALLAM DUNGENESS R	123 6.5	IS	133200	32512	146922	39.274	
NW		148	=363.1	633.0	32512	146922		YNNUUUUUY
	TYLER PEAK, WA (15)							
WA7NPS2639	GEYSER BASIN	47 57.5	H	330.0	0	0	5648.7	YNUUUUU
I 6	CLALLAM ELWHA RIVER	123 34.4	IS	72200	54918	235852	23.950	
NW		198	=1120.3	362.0	54918	235852		UUUUUUUUU
	HURRICANE HILL							
WAINPS0207	GLINES CANYON DAM	48 0.1	HR=	200.0	12000	80000	1007.3	UNUUUUU
I 2	CLALLAM ELWHA RIVER	123 35.9	OP	38650	15634	46658	21.589	
NW	CROWN ZELLERBACH CORP	245	=1386.2	197.0	27634	126658		UUUUUUUUU
	ELWHA, WA							
WA5NPS2637	GOLD CREEK	47 56.8	H	30.0	0	0	1799.0	NNYUYUU
E 5	CLALLAM DUNGENESS RIV	123 5.9	IS	1	8195	33972	52.956	
NW		72	=176.6	328.0	8195	33972		YNNUUUUUU
	TYLER PEAK=1S							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. *NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA6NPS0201	GRAND CANYON	47 56.0	H	430.0	0	0	5779.3	YNUUUUU
D 6	CLALLAM ELWHA	123 31.8	IS	120800	53703	253039	22.839	
NW		163	-922.3*	430.0	53703	253039		UUUUUUUUU
	HURRICANE HILL, MT. ANGELES							
WA4NPS2638	GREY WOLF	47 56.9	H	30.0	0	0	1554.9	NNYUYUU
E 9	CLALLAM DUNGENESS RIV	123 8.9	IS	1	13503	55982	27.775	
NW		76	-186.5*	512.0	13503	55982		YNNUUUUUU
	TYLER PEAK-15,							
WA5NPS0204	LAKE CRESCENT	48 5.6	H	20.0	0	0	5310.0	YNUUUUU
I 5	CLALLAM LYRE RIVER	123 48.2	IS	72000	49112	68636	77.365	
NW		50	-384.5*	295.7	49112	68636		UUUUUUUUU
	LAKE CRESCENT							
WA5NPS2641	LITTLE LOST	47 53.2	H	20.0	0	0	2450.8	YNUUUUU
E 6	CLALLAM ELWHA RIVER	123 28.7	IS	1	12378	51312	47.763	
NW		123	-301.8*	290.0	12378	51312		UUUUUUUUU
	MT. ANGELES-15, HURRICANE HI							
WA5NPS0203	LOWER LYRE	48 7.9	H	140.0	0	0	1161.5	UUUUUUU
E 5	CLALLAM LYRE RIVER	123 49.5	IS	1	1183	10245	113.37	
NW		51	-55.3*	289.7	1183	10245		UUUUUUUUU
	DISQUE,L. CRESCENT							
WA5NPS3218	LYRE RIVER HYDRO	48 6.8	H	25.0	0	0	1571.1	NUYUYUU
I 5	CLALLAM LYRE R.	123 49.3	SP	1	6200	29000	54.178	
NW		57	380.0*	239.7	6200	29000		YUUUUUUYY
	LAKE CRESCENT							
WA5NPS0200	MCDONALD	48 0.2	H	15.0	0	0	3790.8	YNUUUUU
I 6	CLALLAM ELWHA RIVER	123 35.8	IS	1	39796	170855	22.187	
NW		245	-1386.2*	212.0	39796	170855		UUUUUUUUU
	ELWHA							
WA7NPS0202	PRESS VALLEY	47 50.1	H	200.0	0	0	4384.3	YNUUUUU
I 6	CLALLAM ELWHA RIVER	123 28.1	IS	47500	25177	108184	40.526	
NW		106	-599.7*	310.0	25177	108184		UUUUUUUUU
	MT. ANGELES-15,							
WA5NPS0199	TAILWATER	48 6.2	H	50.0	0	0	3549.4	UUUUUUU
I 5	CLALLAM ELWHA RIVER	123 33.1	IS	1	1816	15773	225. 2	
NW		315	-1803.8*	83.9	1816	15773		UUUUUUUUU
	ELWHA, ANGELES POINT,							

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WA5NPS0198	UPPER DUNGENESS	47 53.6	H	30.0	0	0	1694.4	NNYUYUU
S 2	CLALLAM DUNGENESS R	123 6.7	IS	1	11341	47010	36. 43	
NW		38	-93.2	860.0	11341	47010		YNNUUYUUY
	TYLER PEAK, WA (15)							
WA5NPS2640	WINDFALL CREEK	47 55.5	H	20.0	0	0	2716.5	YNUUUUU
E 6	CLALLAM ELWHA RIVER	123 30.6	IS	1	35774	153585	17.687	
NW		161	-910.9	290.0	35774	153585		UUUUUUUUU
	HURRICANE HILL							
WA5NPS0195	12 PM NO24 (FINN HALL)	48 5.5	H	20.0	0	0	1348.7	UUUUUUU
I 5	CLALLAM DUNGENESS RIV	123 8.8	IS	1	1207	10715	125.86	
NW		180	-447.7	159.8	1227	10715		UUUUUUUUU
	CARLSBORG							
WA5NPS0194	12 PM NO. 18 (QUILCENE)	47 48.6	H	110.0	0	0	1401.4	UUUUUUU
I 5	CLALLAM BIG QUILCENE	122 54.1	IS	1	408	3564	393.11	
NW		67	-426.4	99.9	408	3564		UUUUUUUUU
	MTWALKER,QUILCENE							
WA5NPS0196	12PM NO23 (CARLSBORG)	48 1.7	H	20.0	0	0	2673.8	NNYYYUU
S 6	CLALLAM DUNGENESS R	123 8.2	IS	1	17269	71586	37.351	
NW		156	-382.8	319.0	17269	71586		YNNUUUUUY
	CARLSBURG, WA							
WAINPP0648	ARIEL DAM (LAKE MERWIN)	45 57.4	HR	313.0	136000	539481	2314.4	NYYYUUN
S 2	CLARK LEWIS RIVER	122 33.2	OP	422800	45000	60519	38.243	
NW	PACIFIC POWER + LIGHT CO	731	4897.0	164.3	181000	600000		NNNNNYNNY
	ARIEL/AMBOY							
WA5NPP0641	CHARTER OAK	45 48.5	H	10.0	0	0	2954.5	UYYYYUU
I 2	CLARK EAST FORK LEW	122 31.9	IS	1	26800	117400	25.166	
NW		122	735.0	240.0	26800	117400		UUUUNYNNY
	LA CENTER/YACOLT							
WA6NPP0639	COUGAR CREEK	45 38.0	H	340.0	0	0	6339.3	UYYYYUU
I 6	CLARK WASHOUGAL RIV	122 18.9	IS	365000	48900	214100	29.609	
NW		114	960.0	334.6	48900	214100		UYYYUYUUY
	BRIDAL VEIL/CAMAS							
WA6NPP0642	EDDY ROCK	45 51.9	H	155.0	0	0	5943.9	UUUUUUU
I 5	CLARK EAST FORK LEW	122 41.9	IS	354000	22113	90182	65.911	
NW		211	1260.0	149.8	22113	90182		UUUUUUUUU
	LA CENTER							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M,M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M,M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
WA6NPP0643	HORSE SHOE FALLS	45 48.9	H	445.0	0	0	11297	UUUUUUU
I 5	CLARK EAST FORK LEW	122 18.0	IS	214500	19548	65662	172.4	
NW		47	280.0	439.5	19548	65662		UUUUUUUUU
	YACOLT/LOOKOUT MTN							
WA7NPP0640	LUCIA FALLS	45 49.9	H	185.0	0	0	3469.6	UUUUUUU
I 5	CLARK EAST FORK LEW	122 26.9	IS	50400	13122	71929	48.236	
NW		98	585.0	359.6	13122	71929		UUUUUUUUU
	YACOLT							
WA7NPP0644	TUM TUM MOUNTAIN	45 55.4	H	315.0	0	0	5167.2	UNYYYUU
I 2	CLARK CANYON CREEK	122 20.8	IS	82700	36200	158400	32.621	
NW		62	424.0	561.0	36200	158400		UUYUNNNNY
	YACOLT							
WA5NPP0755	WASHOUGAL	45 34.9	H	10.0	0	0	2573.0	UUUUUUU
I 5	CLARK WASHOUGAL RIV	122 20.0	IS	1	12430	54326	47.363	
NW		114	960.0	85.0	12430	54326		UUUUUUUUU
	WASHOUGAL/CAMAS							
WAINPP0647	YALE DAM	45 57.8	HR	323.0	108000	528600	3380.3	NYNNUUN
S 2	CLARK LEWIS RIVER	122 19.8	OP	401000	108000	200000	16.901	
NW	PACIFIC POWER + LIGHT CO	596	3940.0	247.0	216000	728600		UNNNNYNNY
	YACOLT/COUGAR							
WA6NPW0480	DAYTON DAM	46 15.5	ICSR	200.0	0	0	4138.7	NNYYYUN
I 5	COLUMBIA TOUCHET RIVER	117 24.0	SA	57940	131	695	5951.1	
NW	DOI USBR	102	=66.9	183.8	131	695		UNNNNNNUN
WAGNPW0482	LITTLE GOOSE LOCK AND DAM	46 35.3	H	110.0	932000	2794000	0	NNNNNNN
I 5	COLUMBIA SNAKE RIVER	118 20.0	OP	556000	0	0	0	
NW	DAEN NPW	103900	30000.0	98.0	932000	2794000		NNNNNNNUN
WAGNPW0483	LOWER GRANITE LOCK AND DAM	46 39.2	H	110.0	932000	2829000	0	NNNNNNN
I 5	COLUMBIA SNAKE RIVER	117 24.4	OP	483800	0	0	0	
NW	DAEN NPW	103500	30000.0	105.0	932000	2829000		NNNNNNNUN
WA7NPW0476	PATAHA	46 30.9	H	80.0	0	0	1165.1	NNYYYUN
D 5	COLUMBIA TUCANNON	118 1.9	IS	3000	194	805	1446.4	
NW		194	140.0	209.7	194	805		UNNNNNNUN
	POMEROY 1:62500.							

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WA6NPW0475	TUCANNON	46 32.9	H	267.0	0	0	7095.3	NNYYYUN
I 5	COLUMBIA TUCANNON RIVE	118 9.9	IS	120000	2902	13899	510.46	
NW		407	=174.4	254.7	2902	13899		UNNNNNNUN
WA5NPW0477	WILLOW CREEK	46 29.0	H	10.0	0	0	610.57	NNYYYUN
I 5	COLUMBIA TUCANNON RIVE	117 56.0	IS	90	945	2837	215.15	
NW		160	130.0	469.5	945	2837		UNNNNNNUN
	TUCANNON 1:24000.							
WA5NPP0657	BEAR CREEK	46 19.1	H	10.0	0	0	2733.5	UNNYYUU
I 2	COWLITZ NORTH FORK TO	122 30.4	IS	1	29300	128200	21.322	
NW		82	385.0	500.0	29300	128200		UUYUNNNNY
	TOUTLE/ELK ROCK							
WA5NPP0658	BEAR CREEK	46 13.8	H	10.0	0	0	1417.7	UNYYYUU
I 2	COWLITZ SOUTH FORK TO	122 26.5	IS	50	8200	36000	39.381	
NW		27	135.0	399.6	8200	36000		UUUUNNNNY
	COUGAR							
WA5NPP0659	BIG WOLF	46 15.0	H	10.0	0	0	2263.1	UNUUYUU
I 2	COWLITZ SOUTH FORK TO	122 33.0	IS	27	18200	79900	28.325	
NW		61	300.0	400.0	18200	79900		UUUUNNNNY
	COUGAR/PIGEON SPRINGS							
WA5NPP0660	CAMP COWEMAN	46 9.0	H	40.0	0	0	695.12	UUUUUUU
I 5	COWLITZ COWEMAN RIVER	122 34.9	IS	400	1020	5125	135.62	
NW		13	50.0	399.6	1020	5125		UUUUUUUUU
	PIGEON SPRINGS							
WA6NPP0661	CASCADE CREEK-LOW	46 22.8	H	405.0	0	0	9434.1	UUUUUUU
I 5	COWLITZ GREEN RIVER	122 22.9	IS	272000	21300	93200	101.22	
NW		79	350.0	399.6	21300	93200		UUUUUUUUU
	ELK ROCK							
WA7NPP0649	CASTLE ROCK	46 17.9	H	255.0	0	0	10691	UYYYYUU
D 6	COWLITZ TOUTLE RIVER	122 54.9	IS	257000	102700	449900	23.764	
NW		507	2180.0	310.0	102700	449900		UYYUUYUUY
	CASTLE ROCK/TOUTLE							
WA5NPP0662	COLDWATER CREEK	46 16.7	H	10.0	0	0	1886.5	UNYYYUU
I 2	COWLITZ NORTH FORK TO	122 22.9	IS	1	8200	61000	30.927	
NW		51	250.0	600.0	8200	61000		UUYUNNNNY
	ELK ROCK							

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WA5NPP0663	DISAPPOINTMENT CREEK	46 12.6	H	40.0	0	0	1077.3	UUUUUUU
I 5	COWLITZ SOUTH FORK TO	122 21.4	IS	110	5500	24000	44.887	
NW		18	90.0	399.6	5500	24000		UUUUUUUUU
	COUGAR							
WA5NPP2806	ELK CREEK	46 19.7	H	10.0	0	0	2712.8	UUUUUUU
I 5	COWLITZ NORTH FORK TO	122 55.0	IS	1	10000	73000	37.162	
NW		80	385.0	500.0	10000	73000		UUUUUUUUU
	ELK ROCK/TOUTLE							
WA7NPP0664	GREEN RIVER	46 20.9	H	185.0	0	0	6235.6	UNYYYUU
I 6	COWLITZ NORTH FORK TO	122 39.0	IS	86300	65700	287800	21.666	
NW		278	1310.0	330.0	65700	287800		UUYUUUUUY
	TOUTLE/ELK ROCK							
WA7NPP0665	HOFFSTADT CREEK	46 19.3	HC	405.0	0	0	6762.7	UNYYYUU
I 2	COWLITZ HUFFSTADT CRE	122 27.2	IS	25600	70200	307600	21.985	
NW		154	770.0	600.0	70200	307600		UUUUNNNNY
	ELK ROCK/TOUTLE							
WA4NPP0655	JOHNSON CREEK	45 56.0	H	18.0	0	0	3455.0	UUUUUUU
I 5	COWLITZ LEWIS RIVER	122 37.0	IS	800	10708	50891	67.890	
NW		796	5215.0	17.9	10708	50891		UUUUUUUUU
	LA CENTER							
WA7NPP0666	KALAMA	46 2.1	H	260.0	0	0	5133.6	UYYYYUU
I 6	COWLITZ KALAMA RIVER	122 46.9	IS	99150	25318	157255	32.645	
NW		179	1145.0	354.6	25318	157255		UYYUUYUUY
	PIGEON SPRINGS/KALAMA/LA CEN							
WA5NPP0667	KELSO	46 8.0	H	30.0	0	0	1551.1	UUUUUUU
I 5	COWLITZ COWEMAN RIVER	122 50.0	IS	1125	2984	21681	71.542	
NW		119	290.0	209.7	2984	21681		UUUUUUUUU
	MT BRYNION							
WA6NPP0654	KID VALLEY	46 21.3	H	425.0	0	0	21120	UUUUUUU
I 5	COWLITZ NORTH FORK TO	122 40.2	IS	1400000	94000	350000	60.344	
NW		275	1150.0	359.6	94000	350000		UUUUUUUUU
	TOUTLE/ELK ROCK							
WA6NPP0668	LANGDON CREEK	46 4.9	H	205.0	0	0	3429.8	UUUUUUU
I 5	COWLITZ KALAMA RIVER	122 24.9	IS	50100	15972	44546	76.996	
NW		58	365.0	199.8	15972	44546		UUUUUUUUU
	COUGAR							

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WA7NPP0669	MULHOLLAND CREEK	46 10.0	H	100.0	0	0	2122.7	UUUUUUU
I 5	COWLITZ COWEMAN RIVER	122 47.4	IS	12500	2764	19485	108.94	
NW		38	140.0	399.6	2764	19485		UUUUUUUUU
	PIGEON SPRINGS							
WA5NPP0670	NO NAME	46 18.5	H	10.0	0	0	2605.9	UNYYYUU
I 2	COWLITZ SOUTH FORK TO	122 39.4	IS	1	17700	77400	33.669	
NW		82	415.0	280.0	17700	77400		UUUUNNNNY
	PIGEON SPRINGS/TOUTLE							
WA5NPP0671	PIGEON SPRINGS	46 2.9	H	10.0	0	0	3384.3	UYYYYUU
I 2	COWLITZ KALAMA RIVER	122 37.9	IS	1	16131	97983	34.540	
NW		58	365.0	679.3	16131	97983		UUUUNYNNY
	COUGAR/PIGEON SPRINGS							
WA7NPP0652	SILVER LAKE WITH CASTLE ROCK	46 21.3	HC	127.0	0	0	9860.6	YYYYYUU
D 6	COWLITZ TOUTLE RIVER	122 45.0	IS	450000	50000	276700	35.636	
NW		474	1950.0	153.0	50000	276700		UYYYUYUUY
	TOUTLE/CASTLE ROCK							
WA7NPP0653	SILVER LAKE WITHOUT CASTLE R	46 21.3	H	127.0	0	0	11178	YYYYYUU
E 6	COWLITZ TOUTLE RIVER	122 45.0	IS	450000	134300	588100	19. 8	
NW		474	1950.0	453.0	134300	588100		UYYYUYUUY
	TOUTLE/CASTLE ROCK							
WA5NPP0673	SODA SPRING	46 22.5	H	10.0	0	0	1540.7	UUYYYUU
I 2	COWLITZ GREEN RIVER	122 16.5	IS	1	10000	43900	35. 97	
NW		36	165.0	399.6	10000	43900		UUIIUNNNNY
	SPIRIT LAKE/ELK ROCK							
WA6NPP0672	ST HELENS	46 21.9	H	205.0	0	0	4683.2	UUUUUUU
I 5	COWLITZ NORTH FORK TO	122 33.0	IS	165300	21700	95200	49.193	
NW		143	715.0	199.8	21700	95200		UUIUUUUUU
	TOUTLE							
WAHNPP0677	SWIFT NO 2	46 3.5	H	3.0	70000	240000	0	UIIUUUU
S 5	COWLITZ LEWIS RIVER	122 15.2	OP	850	0	0	0	
NW	COWLITZ CO PUD NO 1	505	8000.0	128.0	70000	240000		UUUUUUUUU
	COUGAR/MOUNT ST. HELENS							
WA6NPP0674	TOWER-HIGH	46 21.9	H	285.0	0	0	62657	UUUUUUU
D 5	COWLITZ TOUTLE RIVER	122 46.9	IS	1650000	203168	337999	185.37	
NW		474	2040.0	259.7	203168	337999		UUUUUUUUU
	TOUTLE/CASTLE ROCK							

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA6NPP0656	TOWER-LOW	46 21.9	HCRI	205.0	0	0	8105.3	YYYYYUU
E 6	COWLITZ TOUTLE RIVER	122 41.9	IS	656000	46500	203700	39.790	
NW		474	2040.0	199.8	46500	203700		UYYYUYUUU
	TOUTLE/CASTLE ROCK							
WA6NPP0675	UPPER GREEN	46 21.5	H	285.0	0	0	10156	UUUUUUU
E 5	COWLITZ GREEN RIVER	122 40.5	IS	305400	5000	22000	461.66	
NW		278	1310.0	249.7	5000	22000		UUUUUUUUU
	TOUTLE							
WAINPS0212	CHIEF JOSEPH DAM	47 59.7	H R	205.0	2069000	9658094	9949.1	UUUUUUU
I (5)	DOUGLAS COLUMBIA RIVE	119 37.9	OP	516000	334880	341316	29.149	
NW	DAEN NPS	75000	-115063.1	145.2	2403880	9999411		UUUUUUUUU
	CHIEF JOSEPH DAM BRIDGEPORT							
WACNPS0209	LOWER RIMROCK DAM	47 29.7	R	67.0	0	0	1012.3	UNUUUUU
I 2	DOUGLAS MCCARTENEY CR	119 45.2	OP	550	9100	41100	24.630	
NW	GLEN CORNING	287	-1215.9	67.0	9100	41100		UUUUUUUUU
	RATTLESNAKE SPRINGS, WA							
WAINPS0210	WELLS DAM	47 56.8	HR	110.0	774250	3152218	0	UUUUUUU
I 5	DOUGLAS COLUMBIA RIVE	119 51.8	OP	300000	0	0	0	
NW	DOUGLAS CO PUD NO 1	86100	-116253.8	53.1	774250	3152218		UUUUUUUUU
	WELLS DAM,WA AZWELL,BREWSTER							
WA6NPS0215	CURLEW	48 53.3	H	83.0	0	0	3013.4	UUUUUUU
I 5	FERRY KETTLE RIVER	118 41.2	IS	43000	5666	25723	117.14	
NW		2660	-1807.5	72.9	5666	25723		UUUUUUUUU
	CURLEW, WA(15) BODIE MTN (15							
WA6NPS0213	LIME CR	48 9.4	HC	175.0	0	0	4486.7	UUUUUUU
I 5	FERRY SANPOIL RIVER	118 41.9	IS	219000	3451	16352	274.37	
NW		811	-247.1	164.8	3451	16352		UUUUUUUUU
	KELLER, WA-15 SEVENTEE MI.							
WA6NPS0214	ORIENT BARSTOW	48 50.1	H	105.0	0	0	3985.4	UNUUUUU
I 5	FERRY KETTLE RIVER	118 10.6	IS	45000	9068	50522	78.884	
NW		4000	-3054.9	94.9	9068	50522		UUUUUUUNY
	ORIENT, WA LAURIER							
WACNPS3104	TWIN LAKES DAM	48 16.4	IRS	8.0	0	0	40.454	UUUUUUU
I 5	FERRY STRANGER CR	118 22.4	OP	15124	1	13	3004.2	
NW	DOI,BIA	50	-29.0	6.7	1	13		UUUUUUUUU
	TWIN LAKES,WA(15)							

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WAENPS0216	POTHOLES EAST CANAL 66.0 PH	46 35.9	I	0	0	0	269.99	UNUUUUU
I 2	FRANKLIN POTHOLES CAN.	120 35.9	IS	1500	2600	13200	20.454	
NW	S. COLUMBIA IRR. DIST.		0	348.0	2600	13200		UUUUUUUYY
	ELTOPIA, WA (15)							
WAENPS0217	POTHOLES EAST CANAL 22.7 PH	46 26.8	I	0	0	0	347.61	UNUUUUU
I 2	FRANKLIN POTHOLES CAN.	120 48.4	IS	20000	5200	22700	15.313	
NW	SOUTH COLUMBIA BASIN IRR. DI		0	55.0	5200	22700		UUUUUUUYY
	MESA, WA (15)							
WAUNPS3111	BENNETT DAM	47 26.8	IP	20.0	0	0	567.31	UUUUUUU
I 5	GRANT WILSON CR	119 4.9	QP	500	0	2	232674	
NW	JOHN AND PAT MCDONALD	410	-32.5	14.9	0	2		UUUUUUUUU
	WILSON CREEK,WA (15).							
WAINPS0223	GRAND COULEE DAM	47 57.3	IHCNRO	380.0	6170000	22625491	50221	UUUUUUU
I 5	GRANT COLUMBIA RIVE	118 58.8	QP	9562000	3459801	1225700	40.973	
NW	DOI USBR	74100	-110090.8	341.0	9629801	23851192		UUUUUUUUU
	GRAND COULEE DAM,WA (15) TO							
WAENPS0228	POTHOLES E. CANAL HEADWORKS	46 58.9	I	160.0	0	0	410.94	UNUUUUU
I 2	GRANT POTHOLES CAN.	119 15.6	IS	232000	5000	20000	20.547	
NW	SOUTH COLUMBIA BASIN IRR. DI		0	33.0	5000	20000		UUUUUUUYY
	S. COLUMBIA BASIN IRR. DIST.							
WAINPS0220	PRIEST RAPIDS RESERVOIR	46 38.6	HNR	97.0	788500	10	20048	UNUUUUU
I 5	GRANT COLUMBIA RIVE	119 54.5	QP	222600	364000	0	0	
NW	GRANT CO PUD NO 1	95500	-121325.5	57.7	1157012	4127987		UUUUUUUYY
	PRIEST RAPIDS,WA BEVERLY ROC							
WAENPS3211	SUMMER FALLS	47 30.1	IH	0.1	0	0	2651.5	NUYUYUU
I 2	GRANT MAIN CHANNEL	119 17.5	SP	0	75000	260000	10.198	
NW	S. COLUMBIA BASIN IRR. DIST.		3000.0	160.0	75000	260000		YUUUUUUYY
	COULEE CITY, WA							
WAINPS0219	WANAPUM RESERVOIR	46 52.3	HR	130.0	831250	5580000	20811	UUUUUUU
I 5	GRANT COLUMBIA RIVE	119 58.2	QP	673500	394000	0	0	
NW	GRANT CO PUD NO 1	90700	-115227.5	65.3	1225250	5580000		UUUUUUUUU
	BEVERLY VANTAGE,WA TO ROCK							
WA4NPS0233	LOWER CANYON	47 6.2	H	150.0	0	0	4853.2	UUUUUUU
I 5	GRAYS HARBOR WYNOOCHEE	123 40.4	IS	142200	20387	93643	51.826	
NW		125	-1508.7	129.8	20387	93643		UUUUUUUUU
	WYNOOCHEE VALLEY (15).							

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WA6NPS0235	OXBOW (WEATHERWAX)	47 19.3	H	220.0	0	0	3888.5	NNYYYUU
S 2	GRAYS HARBOR WYNOOCHEE R	123 38.4	IS	118200	24382	85617	45.418	
NW		72	-853.2	184.0	24382	85617		YNNUUUUYY
	GRISDALE, WA (15)							
WA4NPS0232	QUINAULT LK	47 27.3	H	150.0	0	0	10398	YNUUUUU
I 6	GRAYS HARBOR QUINAULT RIVE	123 53.7	IS	1015800	56897	255896	40.635	
NW		264	-2862.5	140.0	56897	255896		UUUUUUUUU
	QUINAULT LAKE (15).							
WA4NPS0234	SAVE CREEK	47 16.3	H	120.0	0	0	4547.8	UUUUUUU
I 5	GRAYS HARBOR WYNOOCHEE RIV	123 39.0	IS	25000	22725	60941	74.627	
NW		84	-1013.8	104.8	22725	60941		UUUUUUUUU
	GRISDALE (15).							
WACNPS0236	WYNOOCHEE DAM	47 23.1	SCIO	177.0	0	0	929.24	UNUUUUU
I 2	GRAYS HARBOR WYNOOCHEE R	123 36.1	OP	70000	10000	40000	23.231	
NW	DAEN NPS	40	-491.2	117.8	10000	40000		UUUUUUUYY
	GRISDALE, WA (15)							
WA5NPS0251	BENDS	47 47.7	H	200.0	0	0	3983.4	YNUUUUU
I 5	JEFFERSON S F HUH	123 57.8	IS	18600	40885	68200	58.407	
NW		45	-463.5	239.7	40885	68200		UUUUUUUUU
	MOUNT TOM 15.							
WA5NPS0242	DELABARRE CREEK	47 44.1	H	20.0	0	0	682. 7	YNUUUUU
I 5	JEFFERSON ELWHA RIVER	123 31.0	IS	1	233	2031	335.78	
NW		15	-134.5	281.7	233	2031		UUUUUUUUU
	MT CHRISTIE (15), MT STEEL (15)							
WA7NPS0243	DUCKABUSH	47 40.9	H	248.0	0	0	7460.2	UUUUUUU
I 5	JEFFERSON DUCKABUSH	123 1.1	IS	47000	19832	97136	76.801	
NW		67	-426.4	439.5	19832	97136		UUUUUUUUU
	THEBROTHERS-15,BRINNON.							
WA5NPS0250	GLIDE CREEK	47 52.4	H	25.0	0	0	3161.7	YNUUUUU
I 6	JEFFERSON HOH RIVER	123 39.8	IS	1	22423	92000	34.367	
NW		43	-436.4	380.0	22423	92000		UUUUUUUUU
	MOUNT OLYMPUS-15,MOUNT TOM-1							
WA5NPS0241	GOOKIN CR. (GOODMAN)	47 46.7	H	15.0	0	0	975.74	YNUUUUU
I 5	JEFFERSON ELWHA RIVER	123 27.1	IS	1	330	2881	338.65	
NW		50	-448.4	119.8	330	2881		UUUUUUUUU
	MT. ANGELES-15							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA6NPS0248	HOH BOW	47 48.4	H	220.0	0	0	9037.7	NYYYYUU
S 6	JEFFERSON HOH RIVER	124 14.8	IS	465000	74572	353140	25.592	
NW		247	-2507.0	220.0	74572	353140		YYNYYYYUY
	SPRUCE MTN (15)							
WA5NPS0247	LOG JAM	47 45.7	H	20.0	0	0	8682.4	NYYUYUU
S 5	JEFFERSON HOH R	124 18.8	IS	1	22915	94016	92.349	
NW		253	-2567.9	66.0	22915	94016		YNYUUUUUU
	FORKS (15)							
WA6NPS0253	LOWER QUEETS	47 32.4	H	100.0	0	0	7110.6	YNUUUUU
I 5	JEFFERSON QUEETS RIVER	124 18.6	IS	138600	22802	137262	51.803	
NW		445	-4276.3	89.9	22822	137262		UUUUUUUUU
	DESTRUCTION ISLAND 15.							
WA5NPS0254	LYMAN	47 33.7	H	160.0	0	0	12187	YNUUUUU
I 6	JEFFERSON QUEETS RIVER	124 10.6	IS	603300	97676	439360	27.738	
NW		235	-2548.0	270.0	97676	439360		UUUUUUUUU
	SALMON RIVER (15).							
WA5NPS0255	PREACHER RAPIDS	47 36.9	H	85.0	0	0	4170.6	UUUUUUU
I 5	JEFFERSON CLEARWATER RI	124 17.5	IS	47000	9133	46287	90.101	
NW		138	-1329.4	89.9	9133	46287		UUUUUUUUU
	DESTRUCTION ISLAND (15).							
WA5NPS0256	QUINAULT	47 36.9	H	25.0	0	0	3636.4	YNUUUUU
I 6	JEFFERSON N F QUINAULT	123 36.9	IS	1	31866	125934	28.875	
NW		69	-748.1	300.0	31866	125934		UUUUUUUUU
	MT CHRISTIE (15).							
WA7NPS0246	ROCKY BROOK (QUSEWALIPS)	47 43.0	H	275.0	0	0	8215.4	UNUUUUU
I 5	JEFFERSON QUSEWALIPS RI	122 56.5	IS	101800	41292	159288	51.575	
NW		111	-706.5	399.6	41292	159288		UUUUUUUYY
	BRINNON,THEBROTHERS-15.							
WA5NPS0252	SLATE CREEK	47 45.9	H	85.0	0	0	4669.7	YNUUUUU
I 6	JEFFERSON SF HOH RIVER	123 49.8	IS	1	32112	131751	35.443	
NW		18	-182.6	1300.0	32112	131751		UUUUUUUUU
	MOUNT TOM 15.							
WA5NPS0257	SOUTH FORK	47 35.6	H	25.0	0	0	2375.9	YNUUUUU
I 6	JEFFERSON QUINAULT RIVE	123 32.8	IS	1	16691	66815	35.559	
NW		51	-625.8	190.0	16691	66815		UUUUUUUUU
	MT CHRISTIE (15).							

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WA5NPS0239	D 6 NW	TUNNEL CREEK / JEFFERSON BIG QUILCENE / MT.WALKER,WA.	47 47.1 / 122 58.7 / 50	H / IS / -122.6	60.0 / 1 / 894.0	0 / 15512 / 15512	0 / 64301 / 64301	2071.4 / 32.214	NNYYYUU / YNNUUYUUY
WA5NPS0249	I 6 NW	TWIN CREEK / JEFFERSON HOH RIVER / MOUNT TOM-15, MT OLYMPUS.	47 51.9 / 123 49.4 / 70	H / IS / -710.4	15.0 / 1 / 350.0	0 / 33621 / 33621	0 / 137944 / 137944	4530.0 / 32.839	YNUUUUU / UUUUUUUUU
WA5NPS0237	I 6 NW	USGS SITE 12 PM 11 / JEFFERSON DOSEWALIPS R / THE BROTHERS-15.	47 43.6 / 123 5.9 / 76	H / IS / -476.4	60.0 / 1 / 346.0	0 / 23260 / 23260	0 / 93270 / 93270	2803.1 / 30. 53	NYYYYUU / YNNUUYUYY
WA5NPS0238	I 6 NW	USGS SITE 12 PM 10 / JEFFERSON DOSEWALIPS RI / THE BROTHERS-15.	47 43.8 / 123 8.8 / 70	H / IS / -438.8	300.0 / 1 / 740.0	0 / 45821 / 45821	0 / 183731 / 183731	3791.1 / 20.634	YNUUUUU / UUUUUUUUU
WA5NPS0244	S 5 NW	USGS SITE 12 PM 14A / JEFFERSON DUCKABUSH RIV / THE BROTHERS-15.	47 41.0 / 123 4.8 / 56	H / IS / -351.0	80.0 / 1 / 210.0	0 / 10402 / 10402	0 / 41712 / 41712	2156.9 / 51.709	NYYUYUU / YNNUUUUUU
WA5NPS0245	S 6 NW	USGS SITE 12 PM 13 / JEFFERSON DUCKABUSH R / THE BROTHERS, WA (15)	47 41.5 / 123 6.4 / 48	H / IS / -300.8	80.0 / 1 / 395.0	0 / 16771 / 16771	0 / 67250 / 67250	2018.3 / 30. 13	UNUUUUU / UUUUUUUYY
WA5NPS0240	I 5 NW	12PM16(TOWNSEND) / JEFFERSON BIG QUILCENE / MT.WALKER	47 48.3 / 122 58.7 / 25	H / IS / -62.1	50.0 / 1 / 383.6	0 / 1626 / 1626	0 / 10666 / 10666	764. 7 / 71.634	UUUUUUU / UUUUUUUUU
WA6NPS0270	I 5 NW	ALPINE CREEK / KING TYE RIVER / SKYKOMISH,SCENIC	47 42.8 / 121 16.2 / 78	H / IS / -547.7	400.0 / 215000 / 389.6	0 / 72402 / 72402	0 / 130741 / 130741	14693 / 112.38	NYUUUUU / UUUUUUUUU
WA4NPS0267	E 5 NW	ALTERNATE BECKLER / KING BECKLER RIVER / SKYKOMISH	47 44.5 / 121 19.1 / 97	H / IS / -681.1	365.0 / 229600 / 354.6	0 / 81958 / 81958	0 / 147970 / 147970	9384.3 / 63.420	NYUUUUU / UUUUUUUUU

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA7NPS0269	ALTURUS LAKE	47 38.8	H	200.0	0	0	2362.5	YNUUUUU
I 5	KING EF FOSS	121 16.4	IS	18800	7720	37097	63.685	
NW		21	-147.4	504.4	7720	37097		UUUUUUUUU
	SKYKOMISH							
WA7NPS0279	BEAVER CREEK	47 36.1	H	70.0	0	0	3588.5	NNYUYUU
I 2	KING BEAVER CREEK	121 40.8	IS	12700	23649	100595	35.672	
NW		15	-130.4	1242.0	23649	100595		YNNUUUUUY
	MT. SI=15.							
WAHNPS0287	CEDAR FALLS (MASONARY DAM)	47 24.7	SH	215.0	30000	93360	331.49	UNUUUUU
I 2	KING CEDAR RIVER	121 45.0	OP	93900	5	46604	7.1129	
NW	SEATTLE CITY LIGHT	78	-298.5	612.0	30005	139964		UUUUUUUUU
	NORTH BEND, WA							
WA5NPS2647	DEADMAN FLAT	47 9.0	H	30.0	0	0	5104.4	YNYYYUU
D 6	KING WHITE RIVER	121 41.5	IS	1	48715	210482	24.251	
NW		292	-1170.2	303.0	48715	210482		YYYUUUUUY
	GREENWATER, WA (15)							
WA4NPS0273	DECEPTION CREEK DIVERSION	47 39.9	H	350.0	0	0	7165.3	YNUUUUU
I 5	KING DECEPTION CR	121 10.5	IS	60500	4987	23114	309.99	
NW		19	-133.4	339.6	4987	23114		UUUUUUUUU
	SCENIC							
WA4NPS0276	DRY CREEK	47 44.8	HS	300.0	0	0	3501.9	UUUUUUU
I 5	KING N F TOLT	121 41.0	IS	83400	6698	31411	111.48	
NW		22	-209.5	279.7	6698	31411		UUUUUUUUU
	MT .SI=15 INDEX=15.							
WA5NPS0259	EAST FORK MILLER	47 36.6	H	90.0	0	0	2300.2	NNYYYUU
I 2	KING EF MILLER R	121 23.4	IS	1	12527	46678	49.278	
NW		14	-96.6	852.0	12527	46678		YNNUUUUUY
	SNOQUALMIE LAKE, WA							
WA4NPS0275	FORKS	47 41.7	H	150.0	0	0	2436.0	UUUUUUU
I 5	KING TOLT RIVER	121 49.3	IS	11210	11995	47707	51. 61	
NW		81	-612.4	139.8	11995	47707		UUUUUUUUU
	LAKE JOY							
WA5NPS0265	GREENWATER	47 7.1	H	80.0	0	0	1233.9	UUUUUUU
I 5	KING GREENWATER RI	121 30.3	IS	3800	1205	10044	122.85	
NW		60	-257.7	399.6	1205	10044		UUUUUUUUU
	GREENWATER-15,LESTER-15.							

SITE ID / DEP ACTV CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WAANPS0292	HIRAM A. CHITTENDEN LOCKS	47 39.8	N R	25.0	0	0	377.3	UNUUUUU
I 2	KING LK WASHINGTON	122 23.7	OP	458000	2600	13000	29.2	
NW	DAEN NPS	607	1184.0	19.9	2600	13000		UUUUUUUUU
	SHILSHOLE BAY, WA							
WADNPS0290	HOWARD HANSON DAM	47 16.6	C	220.0	0	0	656.51	UNUUUUU
I 2	KING GREEN RIVER	121 47.1	OP	105700	5200	24900	26.365	
NW		220	639.0	64.5	5200	24900		UUUUUUUUY
	EAGLE GORGE, WA							
WA4NPS0271	MARTIN CREEK	47 43.0	H	300.0	0	0	4013.6	NYUUUUU
I 5	KING TYE RIVER	121 12.7	IS	20900	19524	72435	55.410	
NW		66	-463.4	279.7	19524	72435		UUUUUUUUU
	SCENIC							
WA5NPS0272	MARTIN CREEK DIVERSION	47 44.5	H	390.0	0	0	3451.1	UUUUUUU
I 5	KING MARTIN CR	121 12.1	IS	10800	6751	31715	108.81	
NW		8	-56.1	1118.8	6751	31715		UUUUUUUUU
	SCENIC							
WA5NPS2654	MI 5.9 REREG	47 32.5	H	400.0	0	0	4647.9	NNYUYUU
I 9	KING NF SNOQUALMIE	121 43.0	IS	89700	28510	108219	42.949	
NW		85	-336.3	559.4	28510	108219		YNNUUUUUU
	MT. SI=15.							
WA4NPS0280	MIDDLE FORK MILE 10	47 28.9	H	150.0	0	0	5227.3	NYYUYUU
I 6	KING MF SNOQUALMIE	121 41.7	IS	58300	26910	104677	49.937	
NW		158	-1371.1	139.8	26910	104677		YNNUYUUUY
	BANDERA=15, MT SI=15.							
WA6NPS0278	MILE 11.7	47 38.4	H	310.0	0	0	4662.6	UUUUUUU
I 5	KING NF SNOQUALMIE	121 40.9	IS	313500	24616	70903	65.759	
NW		52	-416.2	291.7	24616	70903		UUUUUUUUU
	MOUNT SI=15.							
WA5NPS0258	MILLER FORKS	47 40.4	H	20.0	0	0	108684	UUUUUUU
I 5	KING MILLER RIVER	121 23.2	IS	1	27609	49771	2183.6	
NW		40	-280.8	289.7	27609	49771		UUUUUUUUU
	GROTTO							
WADNPS0291	MUD MOUNTAIN	47 8.3	C	350.0	0	0	454.21	UNUUUUU
I 2	KING WHITE RIVER	121 55.8	OP	106000	3000	13000	34.939	
NW	DAEN NPS	400	743.0	26.0	3000	13000		UUUUUUUUU
	MUD MOUNTAIN, WA							

SITE ID / DEP ACTV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) / (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA6NPS3204	N F SNOQUALMIE	47 38.4	C,S,H	265.0	0	0	4342.4	UUUUUUU
I 5	KING NF SNOQUALMIE	121 41.0	IS	68000	14129	57544	75.463	
NW		64	505.0	196.7	14129	57544		UUUUUUUUU
	MT SI (15).							
WA6NPS3205	NF SNOQUALMIE W/ REREG AT ER	47 38.4	C,S,H	275.0	0	0	6039.2	NNYUYUY
E 5	KING NF SNOQUALMIE	121 41.0	IS	68000	52400	194300	31. 81	
NW		64	505.0	195.9	52400	194300		YNNUUUUUU
	MT SI (15).							
WA6NPS3208	NF SNOQUALMIE LOWER SITE	47 34.7	C,S,H	230.0	0	0	10331	NNYUYUY
D 2	KING NF SNOQUALMIE	121 42.8	IS	77000	10235	48872	211.39	
NW		64	505.0	116.8	10235	48872		YNNUUUUUU
	MT SI (15).							
WA7NPS3207	NF SNOQUALMIE PIPELINE POWER	47 38.4	C,S,H	275.0	0	0	6500.3	UUUUUUU
E 5	KING NF SNOQUALMIE	121 41.0	IS	68000	10000	71648	90.726	
NW		64	505.0	562.4	10000	71648		UUUUUUUUU
	MT SI (15).							
WA5NPS3206	KING A7NPS3205.	47 34.0	C,S,H	62.0	0	0	2694.9	UUUUUUU
S 5	NF SNOQUALMIE	121 42.8	IS	1	31528	135342	19.912	
NW		64	505.0	562.9	31528	135342		UUUUUUUUU
	MT SI (15).							
WA5NPS0260	SELLECK	47 25.1	H	25.0	0	0	948.38	UUUUUUU
I 5	KING CEDAR RIVER	121 47.1	IS	1	347	3014	314.63	
NW		84	-332.3	209.7	347	3014		UUUUUUUUU
	NORTH BEND							
WA4NPS0262	SMAY CR	47 14.4	H	340.0	0	0	3056.6	UUUUUUU
I 5	KING SMAY CR	121 35.5	IS	60500	3184	13792	221.61	
NW		21	-90.2	327.6	3184	13792		UUUUUUUUU
	GREENWATER=15, BANDERA=15.							
WAHNPS0289	SNOQUALMIE FALLS 1 2.	47 32.4	H	15.0	41690	273600	0	UUUUUUU
I 5	KING SNOQUALMIE RI	121 50.1	OP	390	0	0	0	
NW	PUGET SND POWER + LIGHT	375	-2400.0	257.0	41690	273600		UUUUUUUUU
	SNOQUALMIE							
WA4NPS0263	SUNDAY CR	47 13.8	H	220.0	0	0	2855.9	UUUUUUU
I 5	KING SUNDAY CR	121 26.0	IS	34000	1830	8858	322.41	
NW		23	-98.8	209.7	1830	8858		UUUUUUUUU
	LESTER=15, SNOQUALMIE PASS=1							

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA4NPS0274	SURPRISE CREEK DIVERSION	47 42.7	H	100.0	0	0	1125.7	NYUUUUU
I 5	KING SURPRISE CREE	121 10.0	IS	5200	1009	5676	198.31	
NW		23	-161.5	79.9	1009	5676		UUUUUUUUU
	SCENIC							
WADNPS0282	TOLT DAM RESERVOIR	47 41.5	S	200.0	0	0	1114.5	UNUUUUU
I 2	KING SF TOLT R	121 41.2	OP	56000	15000	77088	14.458	
NW	CITY OF SEATTLE	19	-153.1	185.0	15000	77088		UUUUUUUYY
	MT. SI=15.							
WA5NPS0268	TONGA	47 40.9	H	200.0	0	0	3251.2	NNYYYUU
I 2	KING FOSS RIVER	121 17.6	IS	8800	20629	76879	42.290	
NW		46	-317.5	427.0	20629	76879		YNNUUUUUY
	SKYKOMISH, WA							
WA7NPS0264	TWIN CREEK	47 9.8	H	250.0	0	0	8543.5	YNYYYUU
E 6	KING WHITE RIVER	121 45.0	IS	439000	88596	410420	20.816	
NW		318	-1274.4	506.0	88596	410420		YYYUUUUUY
	ENUMCLAW=15, GREENWATER=15.							
WA5NPS0281	TWIN FALLS	47 26.7	H	160.0	0	0	2988.5	YUUUUUU
I 6	KING SF SNOQUALMIE	121 41.7	IS	1	31763	113698	26.285	
NW		56	-412.3	490.0	31763	113698		YUUUUUUUY
	BANDERA=15.							
WA4NPS0261	WESTON SITE NO 3	47 11.8	H	360.0	0	0	4010.9	UUUUUUU
I 5	KING GREEN RIVER	121 24.2	IS	57200	5026	20921	191.71	
NW		30	-128.8	339.6	5026	20921		UUUUUUUUU
	LESTER=15.							
WA4NPS2664	BIG SALMON LA SAC	47 24.5	H	130.0	0	0	2220.0	NNYUYUU
I 2	KITTITAS CLE ELUM R	121 5.5	IS	7700	12284	45633	48.648	
NW		156	-717.3	120.0	12284	45633		YNNUUUUUY
	KACHESS LK, WA							
WACNPS0316	CLE ELUM LAKE	47 14.7	ICR	124.0	0	0	1134.2	UNUUUUU
I 2	KITTITAS CLE ELUM R	121 4.3	OP	710000	16519	73673	15.395	
NW	DOI USBR	203	-933.4	124.0	16519	73673		UUUUUUUUU
	EASTON WA., KACHESS LAKE WA.							
WA4NPS0301	DUDLEY	47 6.9	H	150.0	0	0	3831.9	NYYYYUU
D 6	KITTITAS YAKIMA RIVER	120 43.6	IS	1	25675	109914	34.862	
NW		840	-1341.6	140.0	25675	109914		YNYUUUUUY
	THORP, WA.							

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WA5NPS2656	47 14.7	H	30.0	0	0	1247.7	UUUUUUU
EASTON	121 13.4	IS	1	6	54	23072	
I 5 KITTITAS YAKIMA	180	-835.0	159.8	6	54		UUUUUUUUU
NW							
EASTON WA.,(15) KACHESS WA,(							
WACNPS0317	47 14.5	IR	56.0	0	0	395.45	UUUUUUU
EASTON DIVERSION	121 11.2	OP	4000	6593	24537	16.116	
I 5 KITTITAS YAKIMA RIVER	180	-835.0	55.9	6593	24537		UUUUUUUUU
NW DOI USBR							
EASTON,WA.							
WAENPS0300	46 55.0	H	0	0	0	0	UUUUUUU
ELLENSBURG	120 30.5	IS	0	0	0	0	
I 5 KITTITAS YAKIMA RIVER	760	0	325.0	0	**********		UUUUUUUUU
NW							
WA7NPS2666	47 30.1	H	90.0	0	0	1938.4	UUUUUUU
FISH LAKE DIV	121 3.4	IS	21100	88	744	2604.0	
E 5 KITTITAS N FK CLE ELEM	23	-141.2	844.1	88	744		UUUUUUUUU
NW							
THE CRADDLE WA; KACHESS WA(1							
WA5NPS0310	47 28.0	H	300.0	0	0	8056.9	YNUUUUU
FORTUNE CREEK	121 2.7	IS	161100	21367	95466	84.396	
D 5 KITTITAS CLE ELEM RIVE	37	-170.1	880.0	21367	95466		UUUUUUUUU
NW							
KACHESS LAKE WA(15)							
WA5NPS0308	47 22.9	H	20.0	0	0	1291.9	UUUUUUU
HOWSON BELOW BIG SALMON - FE	121 5.8	IS	1	1	17	74935	
I 5 KITTITAS CLE ELEM RIVE	153	-709.8	59.9	1	17		UUUUUUUUU
NW							
KACHESS LAKE WA(15).							
WA5NPS2665	47 27.9	H	100.0	0	0	1606.4	UUUUUUU
HUCKLEBERRY	121 2.8	IS	4400	1965	9663	166.22	
E 5 KITTITAS CLE ELEM RIVE	38	-233.3	139.8	1965	9663		UUUUUUUUU
NW							
KACHESS LAKE WA(15)							
WACNPS0314	47 15.8	ICR	59.0	0	0	223.78	UNUUUUU
KACHESS LAKE	121 12.2	OP	239000	2587	11015	20.316	
I 2 KITTITAS KACHESS RIVER	64	-291.7	59.0	2587	11015		UUUUUUUUU
NW DOI USBR							
KACHESS LAKE, WA							
WACNPS0315	47 19.3	ICR	68.0	0	0	427.33	UNUUUUU
KEECHELUS LAKE	121 20.2	OP	158000	3034	13431	31.816	
I 2 KITTITAS YAKIMA RIVER	55	-340.4	63.0	3034	13431		UUUUUUUUU
NW DOI USBR							
SNOQUALMIE PASS, WA							

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WA4NPS0306	MEDICINE CREEK	47 17.0	H	330.0	0	0	6287.7	UUUUUUU
I 5	KITTITAS SWAUK CREEK	120 41.8	IS	78400	1897	8664	725.71	
NW		80	=66.3	319.6	1897	8664		UUUUUUUUUU
	LIBERTY WA(15)							
WA5NPS0304	NELSON	47 11.7	H	40.0	0	0	1314.5	UUUUUUU
I 5	KITTITAS YAKIMA RIVER	121 2.5	IS	1	8	74	17641	
NW		248	=1150.5	159.8	8	74		UUUUUUUUU
	EASTON WA(15)							
WA5NPS0312	RED MOUNTAIN	47 25.2	H	170.0	0	0	4171.9	YNUUUUU
D 5	KITTITAS COOPER RIVER	121 9.0	IS	1	33520	60882	68.524	
NW		28	=171.9	559.4	33520	60882		UUUUUUUUU
	KACHESS LAKE WA(15)							
WA5NPS0307	ROSLYN	47 12.9	H	140.0	0	0	3516.0	UUUUUUU
I 5	KITTITAS CLE ELEM RIVE	121 1.4	IS	58000	6	60	58052	
NW		215	=997.4	149.8	6	60		UUUUUUUUU
	EASTON WA(15)							
WA4NPS0311	SCATTER CREEK	47 30.1	H	110.0	0	0	2491.4	YNUUUUU
D 5	KITTITAS CLE ELEM	121 3.4	IS	27500	1232	5662	439.99	
NW		25	=153.5	99.9	1232	5662		UUUUUUUUU
	THE CRADLE WA.							
WA4NPS0302	SWAUK	47 7.4	H	22.0	0	0	1773.5	UUUUUUU
I 5	KITTITAS YAKIMA RIVER	120 44.1	IS	1	3591	15485	114.53	
NW		830	=1324.1	19.9	3591	15485		UUUUUUUUU
	THORP WA.(15)							
WA4NPS0303	TEANAWAY	47 7.7	H	290.0	0	0	14292	NYYUYUU
I 6	KITTITAS YAKIMA RIVER	120 46.5	IS	1790000	112116	483712	29.547	
NW		750	=2736.3	280.0	112116	483712		YUUUUUUUU
	CLE ELUM WA(15)							
WA4NPS2655	TEANAWAY ALTERNATE	47 9.6	H	110.0	0	0	6682.5	NYYYYUU
E 6	KITTITAS YAKIMA RIVER	120 48.6	IS	1	39240	156135	42.799	
NW		735	=2684.6	99.9	39240	156135		YYYUUUUUY
	CLE ELUM, WA (15)							
WA6NPS0299	UMTANUM	46 45.4	H	225.0	0	0	9720.3	NNYYYUU
I 6	KITTITAS YAKIMA RIVER	120 27.3	IS	357600	74449	343080	28.332	
NW		1586	=2533.1	215.0	74449	343080		YYYUUUUUY
	WYMER, WA							

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WA6NPS2667	W F CLE ELEM	47 25.2	H	85.0	0	0	1769.4	YNUUUUU
E 5	KITTITAS COOPER RIVER	121 9.5	IS	26900	0	5	344424	
NW		35	-214.9	74.9	0	5		UUUUUUUUU
	KACHESS LAKE WA(15)							
WA4NPS0313	WAPTUS	47 27.3	H	180.0	0	0	3496.9	YNUUUUU
I 5	KITTITAS WAPTUS RIVER	121 7.8	IS	34000	5914	23758	147.18	
NW		48	-294.8	169.8	5914	23758		UUUUUUUUU
	KACHESS LAKE WA(15)							
WA5NPP0678	ALVORDS BRIDGE	45 56.0	H	35.0	0	0	3475.2	UYYYYYU
I 6	KLICKITAT KLICKITAT RIV	121 7.0	IS	320	15503	127153	27.330	
NW		528	1015.0	299.7	15523	127153		UUUUYYYUY
	OUTLET FALLS/KLICKITAT							
WA6NPP0679	BOWMAN CREEK	45 50.9	H	240.0	0	0	3944.8	UNYYYUU
I 2	KLICKITAT LITTLE KLICKI	121 3.9	IS	30850	22915	91467	43.128	
NW		280	195.0	234.7	22915	91467		UUYUNNNNY
	KLICKITAT							
WA5NPP0681	B-Z DAM (HUSUM)	45 49.9	H	31.0	0	0	4144.3	UYYYYUU
I 2	KLICKITAT WHITE SALMON	121 28.9	IS	1	48000	227800	18.193	
NW		279	910.0	440.5	48000	227800		UUYUYYYYY
	WILLARD/HUSUM							
WAJNPP0698	CONDIT DAM	45 46.1	HR	125.0	9600	84000	0	UUUUUUU
I 5	KLICKITAT WHITE SALMON	121 32.3	OP	1081	0	0	0	
NW	PACIFIC POWER AND LIGHT	386	1137.0	174.9	9600	84000		UUUUUUUUU
	WILLARD							
WA5NPP0689	CRYSTAL SPRINGS DAM (WALLACE	45 54.4	H	32.0	0	0	12194	UUUUUUU
S 5	KLICKITAT WHITE SALMON	121 29.2	IS	1	30000	134000	91. 4	
NW		231	1020.0	415.5	30000	134000		UUUUUUUUU
	HUSUM							
WA4NPP0696	FOOT OF RAPIDS	45 42.0	H	75.0	0	0	3188.7	UYYYYYU
I 6	KLICKITAT KLICKITAT RIV	121 16.0	IS	2400	17737	74188	42.982	
NW		1343	1720.0	74.9	17737	74188		UYYUYYUUY
	WHITE SALMON							
WA5NPP0683	GILMER	45 53.0	H	10.0	0	0	3436.6	UYYYYUU
E 2	KLICKITAT WHITE SALMON	121 31.0	IS	1	34687	218173	15.751	
NW		241	845.0	569.4	34687	218173		UUUUUYUUU
	HUSUM/WILLARD							

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WA5NPP0684	HEAD BOX CANYON	45 43.0	H	5.0	0	0	4669.1	UYYYYYU
I 6	KLICKITAT KLICKITAT RIV	121 15.0	IS	1	23219	169126	27.607	
NW		1140	1530.0	294.7	23219	169126		YUYUYYNNY
	KLICKITAT/THE DALLES/WHITE S							
WA5NPP0685	LITTLE KLICKITAT	45 50.9	H	20.0	0	0	4095.7	UYYYYYU
I 6	KLICKITAT KLICKITAT RIV	121 5.9	IS	1400	19338	126464	32.386	
NW		764	1295.0	289.7	19338	126464		UUYUYYNNY
	KLICKITAT							
WA5NPP0686	MIDDLE BIG MUDDY	46 6.9	H	10.0	0	0	705.79	UUUUUUU
I 5	KLICKITAT BIG MUDDY CRE	121 16.9	IS	1	2296	9983	70.697	
NW		22	100.0	967.0	2296	9983		UUUUUUUUU
	JUNGLE BUTTE							
WA5NPP0687	OUTLET CREEK DIVERSION	46 0.9	H	72.0	0	0	4414.6	UYYYYYU
D 6	KLICKITAT KLICKITAT RIV	121 9.0	IS	640	34656	264029	16.720	
NW		348	815.0	826.1	34656	264029		UUUUYYUUY
	GLENWOOD/JUNGLE BUTTE/OUTLET							
WA6NPP0688	OUTLET CREEK RESERVOIR	45 59.5	H	305.0	0	0	5940.5	UYYYYUU
E 6	KLICKITAT KLICKITAT RIV	121 7.9	IS	114000	64500	155170	38.284	
NW		348	815.0	299.7	64500	155170		UYUUUYUUU
	KLICKITAT/OUTLET FALLS							
WA7NPP0695	TROUT LAKE(LITTLE MOUNTAIN)	45 57.0	H	150.0	0	0	8207.6	UUUUUUU
D 5	KLICKITAT WHITE SALMON	121 28.0	IS	155000	15669	70802	115.92	
NW		107	415.0	214.7	15669	70802		UUUUUUUUU
	TROUT LAKE/WILLARD/HUSUM							
WA7NPP0694	UNDERWOOD	45 44.0	H	134.0	0	0	3627.6	UNYYUUU
I 2	KLICKITAT WHITE SALMON	121 31.9	IS	1081	42000	154000	23.556	
NW		386	1137.0	214.7	42000	154000		UUYUYNYYY
	WILLARD/HOOD RIVER							
WA5NPP0691	WALLACE BRIDGE DAM (8=Z)	45 52.5	H	40.0	0	0	3541.7	UYYYYUU
D 2	KLICKITAT WHITE SALMON	121 30.3	IS	1	50000	233000	15.200	
NW		255	1330.0	544.4	50000	233000		UUYUYYYYY
	HUSUM/WILLARD							
WA5NPP0693	WRIGHT	45 48.9	H	10.0	0	0	2734.6	UUUUUUU
I 5	KLICKITAT KLICKITAT RIV	121 9.0	IS	1	5500	42000	65.109	
NW		995	1510.0	119.8	5500	42000		UUUUUUUUU
	KLICKITAT							

SITE ID / DEP ACTV CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA7NPP0711	CASCADE CREEK-HIGH	46 27.6	H	365.0	0	0	7139.2	UNYYYUU
I 6	LEWIS GREEN RIVER	122 16.0	IS	251500	48400	212000	33.675	
NW		79	350.0	909.0	48400	212000		UUUUUUUUY
	ELK ROCK							
WA5NPP0712	CLEAR FORK	46 39.0	H	10.0	0	0	1889.0	UNUUYUU
E 2	LEWIS CLEAR FORK	121 37.0	IS	1	13700	59900	31.537	
NW		53	225.0	400.0	13700	59900		UUUUUUUUU
	PACKWOOD							
WA6NPP0704	COWLITZ FALLS (RESERVOIR)	46 28.0	HC	355.0	0	0	33611	UYUUUUU
D 6	LEWIS COWLITZ RIVER	122 6.7	IS	5000000	475179	946322	35.517	
NW		1000	4250.0	299.7	475179	946322		UYYYUYUUU
	SPIRIT LAKE/MINERAL/PACKWOOD							
WA6NPP0709	COWLITZ FALLS	46 28.0	H	250.0	0	0	23941	UYYYYUU
E 2	LEWIS COWLITZ RIVER	122 5.9	IS	2600000	403586	802293	29.841	
NW		1040	4760.0	244.7	403586	802293		UYYYYYUUU
	SPIRIT LAKE/MINERAL/PACKWOOD							
WA7NPP0703	COWLITZ FALLS (DIVERSION)	46 28.0	H	70.0	0	0	4080.6	UYYYYUU
E 2	LEWIS COWLITZ RIVER	122 6.7	IS	16780	21370	156667	26. 46	
NW		1000	4250.0	89.9	21370	156667		UUUUNYNYY
	SPIRIT LAKE/RANDLE/MINERAL/G							
WA6NPP0713	DEVILS CREEK	46 22.8	H	405.0	0	0	10999	UUUUUUU
I 5	LEWIS GREEN RIVER	122 32.5	IS	616700	25500	111800	98.388	
NW		93	420.0	399.6	25500	111800		UUUUUUUUU
	TOUTLE/ELK ROCK							
WA7NPP0714	GRAVEL BANK	46 25.0	H	225.0	0	0	4338.1	UNYYYUU
I 2	LEWIS CISPUS RIVER	121 45.0	IS	94000	18201	129052	33.615	
NW		187	769.0	449.5	18201	129052		UUUUNNNNY
	EAST CANYON RIDGE/BLUE LAKE/							
WA6NPP0705	GREENHORN CREEK	46 26.0	H	315.0	0	0	8403.8	UUUUUUU
I 5	LEWIS CISPUS RIVER	122 0.0	IS	420000	47000	190000	44.230	
NW		351	1390.0	240.7	47000	190000		UUUUUUUUU
	GREENHORN BUTTES/TOWER ROCK							
WA5NPP0715	JOHNSON CREEK	46 33.5	H	10.0	0	0	1651.6	UNYYYUU
I 2	LEWIS JOHNSON CREEK	121 41.0	IS	1	13700	59900	27.573	
NW		49	200.0	450.0	13700	59900		UUUUNNNNY
	PACKWOOD							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. *NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SCCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
WAGNPP0728	MAYFIELD DAM	46 30.1	HR	250.0	121500	650000	2111.3	YYYYUUN
I 2	LEWIS COWLITZ RIVER	122 35.4	OP	181455	40500	96000	21,993	
NW	CITY OF TACOMA	1400	6362.0	188.5	162000	746000		UNNNNYNNY
	ONALASKA/TOUTLE/MORTON							
WA5NPP0716	MINER"S CREEK	46 23.4	H	10.0	0	0	1052.5	UUUUUUU
D 5	LEWIS GREEN RIVER	122 13.0	IS	1	5500	24000	43.855	
NW		20	90.0	399.6	5500	24000		UUUUUUUUU
	SPIRIT LAKE							
WA6NPP0717	MORTON	46 34.9	H	315.0	0	0	8672.9	UUUUUUU
I 5	LEWIS TILTON RIVER	122 20.0	IS	817600	78207	105529	82,185	
NW		89	525.0	309.6	78207	105529		UUUUUUUUU
	MORTON/MINERAL							
WAINPP0727	MOSSYROCK DAM	46 32.1	HCR	606.0	300000	736000	3771.1	NYYYUUN
I 2	LEWIS COWLITZ RIVER	122 25.3	OP	1685103	150000	300000	12,570	
NW	CITY OF TACOMA	1042	5080.0	344.0	450000	1036000		UNNNNYNNY
	MORTON/ELK ROCK/SPIRIT LAKE/							
WA5NPP0718	MUDDY FORK	46 39.0	H	80.0	0	0	2556.4	YNUUYUU
I 6	LEWIS MUDDY FORK/CO	121 37.0	IS	1	34200	149800	17, 65	
NW		45	250.0	900.0	34200	149800		UUUUUYUUU
	PACKWOOD							
WA5NPP0720	NORTH FORK TILTON	46 35.5	H	40.0	0	0	1266.4	UUUUUUU
D 5	LEWIS NORTH FORK TI	122 21.4	IS	1400	4397	25040	50.576	
NW		29	170.0	389.6	4397	25040		UUUUUUUUU
	MORTON							
WA7NPP0719	NORTH FORK	46 23.4	H	205.0	0	0	3381.0	UUUUUUU
D 5	LEWIS NURTH FORK CI	121 46.9	IS	27800	3498	20438	165.42	
NW		30	120.0	479.5	3498	20438		UUUUUUUUU
	BLUE LAKE/TOWER ROCK							
WA6NPP0721	OHANA	46 41.4	H	325.0	0	0	3921.6	UUUUUUU
E 5	LEWIS OHANAPECOSH R	121 34.4	IS	39300	14600	63900	61.372	
NW		95	300.0	319.6	14600	63900		UUUUUUUUU
	PACKWOOD							
WAJNPP0726	PACKWOOD DAM	46 35.7	HR	60.5	26125	101000	1146.7	UUUUUUU
I 5	LEWIS LAKE CREEK	121 33.9	OP	3500	5375	20800	55,130	
NW	WA PUB POWER SUPPLY SYST	18	100.0	1600.0	31500	121800		UUUUUUUUU
	PACKWOOD							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA7NPP2804	SECTION 10 DIVERSION	46 41.5	H	160.0	0	0	4486.2	UNYYYUU
D 2	LEWIS CLEAR FORK	121 34.9	IS	8500	67400	295100	15,202	
NW		53	225.0	1918.0	67400	295100		UUUUNNNNY
	WHITE PASS/PACKWOOD							
WA5NPP2807	SILVER CREEK	46 32.9	H	10.0	0	0	1724.8	UNYYYUU
I 2	LEWIS SILVER CREEK	121 55.5	IS	1	13600	59700	28.891	
NW		46	185.0	485.0	13600	59700		UUUUNNNNY
	RANDLE							
WA7NPP0707	SILVER FALLS	46 40.8	H	220.0	0	0	4326.6	YNUUYUU
I 6	LEWIS OHANAPECOSH R	121 34.8	IS	35000	23200	184000	23,514	
NW		95	300.0	920.0	23200	184000		UUYUUUUUU
	CHINOOK PASS/PACKWOOD							
WA6NPP0724	SKYO MOUNTAIN	46 30.0	H	90.0	0	0	8788.3	UUUUUUU
I 5	LEWIS COWLITZ RIVER	121 58.0	IS	393000	17341	110555	79,492	
NW		600	3300.0	84.9	17341	110555		UUUUUUUUU
	GREENHORN BUTTES/RANDLE							
WA7NPP0708	TILTON	46 34.9	H	225.0	0	0	4552.7	UUUUUUU
I 5	LEWIS TILTON RIVER	122 31.0	IS	186000	14506	89556	50.836	
NW		150	885.0	310.6	14506	89556		UUUUUUUUU
	MORTON							
WA6NPP0722	TOWER ROCK	46 27.0	H	225.0	0	0	7229.0	UUUUUUU
D 5	LEWIS CISPUS RIVER	121 48.9	IS	119550	23713	112602	64.199	
NW		247	990.0	199.8	23713	112602		UUUUUUUUU
	TOWER ROCK/BLUE LAKE							
WA7NPP0699	WALUPT LAKE	46 21.5	H	75.0	0	0	2381.9	UUUUUUU
D 5	LEWIS CISPUS RIVER	121 28.7	IS	40000	8000	31000	76.837	
NW		20	120.0	559.4	8000	31000		UUUUUUUUU
	WALUPT LAKE							
WA5NPP0723	WINSTON CREEK	46 30.0	H	10.0	0	0	1083.1	UUUUUUU
D 5	LEWIS WINSTON CREEK	122 33.5	IS	1	2459	12976	83.470	
NW		32	100.0	374.6	2459	12976		UUUUUUUUU
	ELK ROCK/TOUTLE							
WAGNPS0319	LITTLE FALLS DAM	47 49.8	HR	60.0	32000	217000	4350.0	UNUUUUU
I 2	LINCOLN SPOKANE RIVER	117 55.0	OP	4250	43001	103658	41.965	
NW	WASHINGTON WATER POWER CO.	6340	-8502.8	76.1	75001	320658		UUUUUUUUU
	LITTLE FALLS, WA.							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D.M,M) (D.M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WAINPS0318	LONG LAKE	47 50.2	HR	208.0	70000	444100	2449.0	UNUUUUU
I 2	LINCOLN SPOKANE RIVER	117 50.2	OP	104000	50000	83220	29.429	
NW	WASHINGTON WATER POWER CO.	6020	-8073.7	164.2	120000	527320		UUUUUUUUU
	LONG LAKE, WA							
WA7NPS0355	BROWN CREEK	47 22.8	H	300.0	0	0	7257.7	NNYYYUU
I 6	MASON SF SKOKOMISH	123 18.7	IS	210000	42329	187130	38.784	
NW		54	-475.1	613.0	42329	187130		YNNUUUUUY
	MT.IEBO=15.							
WAJNPS0324	CUSHMAN DAM NO 1	47 25.1	HR	235.0	43200	110000	271.92	UNUUUUU
S 2	MASON NF SKOKOMISH	123 13.4	UP	453300	2160	5500	49.441	
NW	CITY OF TACOMA	94	-746.2	254.0	45360	115500		UUUUUUUUU
	POTLATCH, WA (15)							
WAJNPS0325	CUSHMAN RESERVOIR NO 2	47 23.8	HR	235.0	81000	220000	438.12	UNUUUUU
S 2	MASON NF SKOKOMISH	123 11.9	OP	8000	4050	11000	39.829	
NW	CITY OF TACOMA	100	-793.8	477.0	85050	231000		UUUUUUUUU
	POTLATCH, WA (15)							
WA4NPS3213	DUCKABUSH HYDROELECTRIC	48 40.8	H	300.0	0	0	3212.2	NUYUYUU
S 2	MASON DUCKABUSH R.	123 2.8	SP	10000	35000	275000	11.681	
NW		56	350.0	299.7	35000	275000		YUUUUUUYY
	THE BROTHERS, WA (15)							
WA7NPS0322	HAMMA HAMMA	47 33.6	H	25.0	0	0	1781.0	NNYYYUU
I 6	MASON HAMMA HAMMA R.	123 4.1	IS	1	9300	50000	35.620	
NW		76	-483.7	299.7	9300	50000		YNNUUYUYY
	THE BROTHERS, WA (15)							
WA5NPS0321	STAIRCASE	47 31.8	H	50.0	0	0	2495.4	YNUUUUU
I 6	MASON NF SKOKOMISH	123 21.6	IS	1	14385	55257	45.161	
NW		50	-439.9	225.0	14385	55257		UUUUUUUUU
	MTSTEEL=15.							
WACNPS3110	BLUE LAKE DAM (RES)	48 41.5	R	10.0	0	0	37.415	UUUUUUU
I 5	OKANOGAN TRIB TO STELA	119 41.4	OP	4416	0	3	9865.7	
NW	WA STATE GAME DEPT	11	-3.8	9.9	0	3		UUUUUUUUU
	CONCONALLY,WA (15).							
WA7NPS0329	CALOWAY CREEK	48 37.6	H	170.0	0	0	6406.0	UUUUUUU
I 5	OKANOGAN METHOW RIVER	120 27.8	IS	91000	21454	42282	151.50	
NW		256	-321.1	219.7	21454	42282		UUUUUUUUU
	MAZAMA,WA (15) ROBINSON MTN							

SITE ID / PROJECT NAME / PRIMARY CO. / NAME OF STREAM	LATITUDE / LONGITUDE	PROJ. PURP. / STATUS	DAM HT / TOT. STOR / PWR. HD.	EXIST. CAP. / INC. CAP. / TOT. CAP.	EXIST. ENRG / INC. ENERGY / TOT. ENERGY	ANUL. COST / ENERGY COST	ENVIRONMENTAL IMPACT CODE
DEP ACTV / CODE INV / OWNER / MAP REFERENCE	DR. AREA (D M.M)	AVE. Q (CFS)	(FT) (AC FT) (FT)	(KW) (KW) (KW)	(MWH) (MWH) (MWH)	(1000 $) ($/MWH)	SOCIAL IMPACT CODE
POWER AREA	(SQ.MI)						
WA6NPS0333	CHEWACK CREEK	48 50.0	H	150.0	0	0	1075.8	UUUUUUU
I 5	OKANOGAN CHEWACK RIVER	120 1.0	IS	10500	115	955	1125.3	
NW		77	-126.2	139.8	115	955		UUUUUUUUU
	COLEMAN PEAK, WA							
WACNPS0339	CONCONULLY RESERVOIR	48 32.2	ICR	63.0	0	0	49,225	UUUUUUU
I 5	OKANOGAN SALMON CREEK	119 44.8	OP	13000	80	496	99,179	
NW	LK CHELAN RECL DIST.	121	-41.8	57.9	80	496		UUUUUUUUU
	CONCONULLY, WA (15).							
WA6NPS2675	COW CREEK	48 11.2	H	330.0	0	0	8649.2	NNYYYUU
E 6	OKANOGAN METHOW RIVER	120 5.6	IS	1107700	49871	325351	26.584	
NW		1664	-1584.6	320.0	49871	325351		YYYYUUUUY
	METHOW, WA HUNGRY MTN, WA TWI							
WA6NPS0331	EIGHT MILE CREEK (CHEWACK)	48 35.5	H	325.0	0	0	12895	UUUUUUU
I 5	OKANOGAN CHEWACK RIVER	120 9.7	IS	347000	137525	114526	112.59	
NW		382	-626.5	314.6	137525	114526		UUUUUUUUU
	DOE MOUTAIN, WA (15)							
WACNPS3114	FANCHERS DAM	48 49.7	I,R	60.0	0	0	38,946	UUUUUUU
I 5	OKANOGAN ANTOINE CREEK	119 15.7	OP	500	7	65	594.97	
NW	R.M. FANCHER	34	-11.7	49.9	7	65		UUUUUUUUU
	OROVILLE, WA (15).							
WA5NPS0328	GOAT CREEK	48 34.1	H	110.0	0	0	5221.3	UUUUUUU
I 5	OKANOGAN METHOW RIVER	120 21.9	IS	100000	22255	41455	125.95	
NW		391	-490.5	139.8	22255	41455		UUUUUUUUU
	MAZAMA, WA (15)							
WACNPS3102	LEADER LAKE	48 21.6	IR	53.0	0	0	35,927	UUUUUUU
I 5	OKANOGAN LOUP LOUP CRE	119 41.7	OP	5900	0	1	18983	
NW	PLEASANT VALLEY IRR AND POWE	3	-1.0	47.9	0	1		UUUUUUUUU
WA7NPS0330	LITTLE BRIDGE CREEK	48 22.6	H	300.0	0	0	9718.4	UUUUUUU
I 5	OKANOGAN TWISP RIVER	120 16.6	IS	217000	104115	168697	57,609	
NW		207	-872.7	309.6	104115	168697		UUUUUUUUU
	THOMPSON RIDGE WA HOODOO PEA							
WA6NPS2673	MCFARLAND CREEK	48 9.1	H	370.0	0	0	13865	NNYYYUU
E 6	OKANOGAN METHOW RIVER	120 3.7	IS	1052000	56712	369879	37,486	
NW		1682	-1601.8	360.0	56712	369879		YYYYUUUUY
	METHOW, WA TWIST EAST, WINTHRO							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA5NPS0344	MCLAUGHLIN FALLS	48 35.2	H	25.0	0	0	2736.1	UUUUUUU
I 5	OKANOGAN OKANOGAN RIVE	119 28.5	IS	1	6022	27750	98,601	
NW		7310	=3031.5	23.9	6022	27750		UUUUUUUUUU
	TONASKET (15)							
WA6NPS2674	MILE 19 1/4	48 9.8	H	345.0	0	0	12729	NNYYYUU
E 6	OKANOGAN METHOW RIVER	120 4.6	IS	954000	52303	341235	37.303	
NW		1667	=1587.5	335.0	52303	341235		YYYYUUUUY
	METHOW,WA TWISP EAST,WINTHRO							
WA6NPS2621	NIGHTHAWK ALT	48 57.7	H	160.0	0	0	8634.6	NNYUYUY
E 2	OKANOGAN SIMILKAMEEN R	119 38.5	IS	762000	33611	178140	48,471	
NW		3550	=2390.4	150.0	33611	178140		YYYYUUYUY
	LOOMIS,WA (15)							
WA6NPS2622	NIGHTHAWK	48 56.5	H	160.0	0	0	8396.3	NNYUYUY
E 2	OKANOGAN SIMILKAMEEN R	119 39.4	IS	741000	33516	177700	47.250	
NW		3540	=2383.7	150.0	33516	177700		YYYYUUYUY
	LOOMIS, WA (15).							
WA4NPS0334	OROVILLE	48 57.0	H	40.0	0	0	2742.7	UUUUUUU
I 5	OKANOGAN SIMILKAMEEN R	119 28.0	IS	1	17488	48061	57. 67	
NW		3585	=2428.6	44.9	17488	48061		UUUUUUUUU
	OROVILLE,WA (15)							
WACNPS3105	OWHI LAKE DAM	48 13.3	ISR	10.0	0	0	37,679	UUUUUUU
I 5	OKANOGAN LITTLE NESPEL	118 53.5		5250	0	3	9702.0	
NW	DOI,BIA	13	=7.5	7.9	0	3		UUUUUUUUU
	NESPELEM,WA (15).							
WA7NPS2672	PATEROS	48 4.6	H	500.0	0	0	11923	NNYYYUU
D 6	OKANOGAN METHOW RIVER	119 59.3	IS	1312000	86400	563500	21,159	
NW		1774	=1689.4	520.0	86400	563500		YYYYUUUUY
	BREWSTER, WA (15)							
WACNPS3113	PATTERSON LAKE DAM	48 28.0	IR	29.0	0	0	35,796	UUUUUUU
I 5	OKANOGAN TRIB TO METHO	120 15.0		5000	0	1	19295	
NW	WOLF CR REC DIST	2	=0.6	23.9	0	1		UUUUUUUUU
	WINTHROP,WA THOMPSON RIDGE							
WA4NPS3115	PEARRYGIN	48 29.5	H	100.0	0	0	1582.9	UUUUUUU
I 5	OKANOGAN LAKE CREEK	120 9.9	IS	18000	4	38	40620	
NW		11	=3.8	89.9	4	38		UUUUUUUUU
	WINTHROP,WA							

SITE ID / DEP ACTV CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WACNPS3112	RAT LAKE DAM	48 10.6	ICR	24.0	0	0	38,716	UUUUUUU
I 5	OKANOGAN WHITESTONE CR	119 48.4		1730	2	20	1932.6	
NW	OKAN. POWER AND IRRIGATION C	26	=8.9	19.9	2	20		UUUUUUUUU
	BREWSTER,WA (15).							
WACNPS3106	SALMON LK DAM (CONCONULLY LK	48 33.4	ICR	40.0	0	0	40,352	UUUUUUU
I 5	OKANOGAN SALMON CR	119 44.6	OP	10500	7	66	606.14	
NW	DOI,USBR	50	=17.3	34.9	7	66		UUUUUUUUU
	CONCONALLY,WA (15).							
WA6NPS0421	SHANKERS BEND	48 58.9	HC	260.0	0	0	11756	NNYUYUY
D 2	OKANOGAN SIMILKAMEEN R	119 31.0	IS	1700000	54982	372120	31.592	
NW		3570	=2403.9	244.0	54982	372120		YYYYUUUUY
	LOOMIS, WA (15)							
WA6NPS0332	SHEEP CREEK	48 47.4	H	140.0	0	0	1489.6	UUUUUUU
I 5	OKANOGAN CHEWACK RIVER	120 4.2	IS	31500	181	1523	977.81	
NW		132	=216.5	134.8	181	1523		UUUUUUUUU
	COLEMAN PEAK,WA							
WAMNP80343	SIMILKAMEEN DAM (ENLOE DAM)	48 57.9	H	55.0	0	0	667.69	UNUUUUU
I 2	OKANOGAN SIMILKAMEEN R	119 30.0	IS	2400	12428	45843	14,564	
NW	OKANOGAN PUD NO 1,	3580	=2410.6	55.0	12428	45843		UUUUUUUYY
	LOOMIS=15 OROVILLE=15.							
WACNPS3103	SPECTACLE LAKE DIKE	48 48.9	IR	13.0	0	0	38,136	UUUUUUU
I 5	OKANOGAN OKANOGAN RIVE	119 31.3	OP	13400	0	5	6684.6	
NW	DOI,USBR	17	=5.8	9.9	0	5		UUUUUUUUU
	LOOMIS,WA (15).							
WA6NPS0326	SQUAW CREEK	48 5.1	H	580.0	0	0	15070	NNYYYUU
E 6	OKANOGAN METHOW RIVER	120 0.9	IS	2650000	93050	606854	24,833	
NW		1743	=1659.8	570.0	93050	606854		YYYYUUUUY
	COOPER MTN,WA METHOW,WA HUNG							
WA6NPS0327	TWISP	48 21.7	H	290.0	0	0	16172	NNYUYUU
I 5	OKANOGAN METHOW RIVER	120 6.7	IS	1061000	38823	246536	65,600	
NW		1330	=1412.3	280.0	38823	246536		YUUUUUUUU
	TWISP EAST,WA TWISP WEST,WA							
WA4NPS3214	NORTH RIVER	46 47.4	H	90.0	0	0	1921.1	NUYUYUU
I 5	PACIFIC NORTH R.	123 51.0	IS	0	12000	30000	64. 38	
NW		247	1100.0	49.9	12000	30000		YUUUUUUYY
	ABERDEEN SE							

SITE ID	PROJECT NAME	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ MI)	PROJ.PURP. STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. (KW) / TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY (MWH) / TOT.ENERGY (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
DEP ACTV CODE INV POWER AREA	OWNER / MAP REFERENCE							
WA6NPS0345	NORTH RIVER	46 46.7	H	112.0	0	0	6280.9	UUUUUUU
I 5	PACIFIC NORTH RIVER	123 52.6	IS	270800	23535	65405	96. 31	
NW		250	=1128.6	111.8	23535	65405		UUUUUUUUU
	WESTERN,ABERDEEN,SE							
WAHNPS0347	BOUNDARY DAM	48 59.2	HR	385.0	655000	3915720	4030.1	UNUUUUU
I 2	PEND OREILLE PEND OREILLE	117 20.8	OP	94500	190000	411720	9.7884	
NW	CITY OF SEATTLE	25200	=27238.7	243.4	845000	4327440		UUUUUUUYY
	BOUNDARY DAM,WA							
WAGNPS0351	BOX CANYON DAM	48 46.7	HR	100.0	60000	508500	1440.9	UNUUUUU.
I 2	PEND OREILLE PEND OREILLE	117 24.5	OP	50000	20000	40000	36. 24	
NW	PEND OREILLE CO PUD NO 1	24900	=26914.4	29.0	80000	548500		UUUUUUUUU
	METALINE, WA							
WAJNPS0348	CALISPELL	48 14.4	HR	80.0	560	2300	0	UUUUUUU
I 5	PEND OREILLE NORTH FORK CA	117 21.6	OP	1050	0	0	0	
NW	PEND OREILLE CO PUD NO 1	57	=117.5	309.0	560	2300		UUUUUUUUU
	SACHEEN LAKE,WA							
WANPS0349	MILL POND DAM	48 51.4	HR	58.0	0	0	1183.2	UNUUUUU
I 2	PEND OREILLE SULLIVAN CR	117 18.1	OP	1430	11068	38154	31. 11	
NW	PEND OREILLE PUD NO.1	125	=258.3	421.5	11068	38154		UUUUUUUUU
	METALINE FALLS, WA							
WA6NPS3209	SULLIVAN CREEK	48 50.8	H	80.0	0	0	1295.2	NUYUYUU
I 2	PEND OREILLE SULLIVAN CR	117 17.2	SP	50000	18000	70080	18.482	
NW			183.0	598.0	18000	70080		YUUUUUUYY
	METALINE FALLS, WA							
WAJNPS0368	ALDER	46 48.0	HR	285.0	50000	220000	1144.5	UNUUUUU
S 5	PIERCE NISQUALLY R	122 18.5	OP	231936	25000	13140	87.100	
NW	TACOMA DEPT OF PUB UTIL	286	=1416.1	271.0	75000	233140		UUUUUUYUU
	EATONVILLE							
WA6NPP0729	BALO ROCK	46 46.7	H	325.0	0	0	5422.3	UUUUUUU
I 5	PIERCE OHANAPECOSH R	121 34.0	IS	57500	14600	63900	84.857	
NW		34	187.0	319.6	14600	63900		UUUUUUUUU
	CHINOOK PASS							
WA5NPS2642	CARBON NO 2	47 0.7	H	20.0	0	0	2945.0	NNYYYUU
S 2	PIERCE CARBON RIVER	122 0.6	IS	1	25050	104876	28. 81	
NW		76	=429.2	422.0	25050	104876		YNNUUUUUY
	WILKESON, WA							

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA5NPS2643	CARBON NO 1	46 59.9	H	25.0	0	0	3514.6	YNUUUUU
E 6	PIERCE CARBON RIVER	121 52.3	IS	1	28634	119879	29.318	
NW		52	-293.6	705.0	28634	119879		UUUUUUUUU
	MOWICH L,ENUMCLAW-15 GOLDEN							
WA5NPS2649	CARBON NO 3	47 4.3	H	20.0	0	0	3037.4	NNYYYUU
S 2	PIERCE CARBON RIVER	122 2.9	IS	1	26744	111966	27.128	
NW		80	-451.8	428.0	26744	111966		YNNUUUUUY
	WILKESON,ORTING							
WA5NPS0361	EAST FORK RAINIER	47 0.3	H	15.0	0	0	2277.9	NNYYYUU
I 2	PIERCE WHITE RIVER	121 31.7	IS	1	11604	50181	45.393	
NW		78	-329.1	322.0	11644	50181		YNNUUUUUY
	GREENWATER-15.							
WA4NPS3216	EATONVILLE	46 50.9	H	7.0	0	0	396.36	NUYUYUU
I 5	PIERCE LITTLE MASHEL	122 16.3	SP	1	1500	6570	60.328	
NW		25	50.0	306.6	1500	6570		YUUUUUUYY
	EATONVILLE, WA							
WA5NPS0362	ECHO LAKE	47 2.8	H	170.0	0	0	1466.2	UUUUUUU
I 5	PIERCE GREENWATER RI	121 25.1	IS	14800	4971	22860	64.138	
NW		12	-51.5	999.0	4971	22860		UUUUUUUUU
	LESTER,WA-15.							
WAHNPS0370	ELECTRON RES	46 54.3	H	10.0	25500	172300	0	UUUUUUU
I 5	PIERCE PUYALLUP R	122 2.3	OP	120	0	0	0	
NW	PUGET SOUND PWR AND LT	131	-764.0	871.0	25500	172300		UUUUUUUUU
	KAPOWSIN-15.							
WA7NPS0364	FAIRFAX	47 3.6	H	540.0	0	0	21536	UUUUUUU
D 5	PIERCE CARBON RIVER	122 2.6	IS	238300	117729	237228	90.783	
NW		81	-469.8	829.1	117729	237228		UUUUUUUUU
	WILKESON,ENUMCLAW-15.							
WAENPS3117	HOOD ST. RES/MCMILLAN RES	47 13.9	S	20.0	0	0	35. 1	UUUUUUU
I 5	PIERCE GREEN RIVER D	122 26.5	OP	38	0	0	737863	
NW	CITY OF TACOMA	0	-0.0	249.7	0	0		UUUUUUUUU
	TACOMA,SOUTH							
WA5NPS0360	HUCKLEBERRY	47 3.2	H	15.0	0	0	2440.0	UUUUUUU
I 5	PIERCE WHITE RIVER	121 34.3	IS	1	20979	48746	50. 54	
NW		100	-429.6	194.8	20979	48746		UUUUUUUUU
	GREENWATER-15.							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WAJNPS0367	LA GRANDE RESERVOIR	46 49.3	HR	192.0	64000	330000	1720.6	UNUUUUU
S 5	PIERCE NISQUALLY RIV	122 18.1	OP	2700	40000	8760	196.42	
NW	CITY OF TACOMA	289	=1431.0	406.0	104000	338760		UUUUUUUUUU
	EATONVILLE							
WA5NPS0266	LOST CREEK	47 5.0	H	20.0	0	0	1274.2	NNYUYUU
I 5	PIERCE GREENWATER RI	121 26.5	IS	1	5737	24727	51.532	
NW		26	=109.7	476.0	5737	24727		UNNUYYYUU
	LESTER=15,							
WA5NPS2648	MILE 9.2	47 5.8	H	170.0	0	0	4619.2	NNYYYUU
E 2	PIERCE CARBON RIVER	122 5.6	IS	1	23174	97022	47.610	
NW		86	=485.7	345.0	23174	97022		YNNUUUUUY
	WILKESON=15,ORTING							
WA5NPS0352	MOWICH NO 1	46 54.9	H	85.0	0	0	3175.4	YNUUUUU
I 6	PIERCE MOWICH RIVER	121 54.9	IS	1700	13941	63800	49.771	
NW		23	=134.1	815.0	13941	63800		UUUUUUUUU
	GOLDEN LAKES, KAPOWSKI=15,							
WA5NPS0358	MOWICH NO 1A	46 51.8	H	30.0	0	0	2168.5	NNYUYUU
I 2	PIERCE PUALLUP R	121 57.3	IS	1	11647	53300	40.684	
NW		30	=174.9	522.0	11647	53300		YNNUUUUUY
	MT. WOW, WA							
WA4NPS0353	NISQUALLY	46 50.3	H	150.0	0	0	4590.6	NNYUYUU
D 9	PIERCE NISQUALLY RIV	122 21.1	IS	1	86313	415859	11. 38	
NW		380	=1881.6	381.0	86313	415859		YNNUUUUUU
	EATONVILLE							
WA7NPS0357	ORTING	47 2.3	H	230.0	0	0	7783.3	NNYYYUY
I 6	PIERCE PUYALLUP R	122 12.4	IS	300000	32466	167580	46.445	
NW		172	=715.0	368.0	32466	167580		YYYYUUUUY
	ORTING,KAPOWSIN=15,							
WA5NPS0354	PARK JUNCTION ELBE	46 44.4	H	15.0	0	0	4550.2	NYYUYUU
D 2	PIERCE NISQUALLY R	121 55.6	IS	1	34405	152844	29.770	
NW		66	=394.9	661.0	34405	152844		YNNUUUUUU
	RANDLE, WA (15)							
WA5NPS2645	PARK JUNCTION 2	46 45.1	H	15.0	0	0	1826.2	UUUUUUU
E 5	PIERCE NISQUALLY RIV	122 4.9	IS	1	1727	15048	121.35	
NW		133	=804.9	114.8	1727	15048		UUUUUUUUU
	KAPOWSIN=15,							

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WA5NPS2646	PARK JUNCTION 1	46 45.0	H	15.0	0	0	3697.9	NYYYYUU
E 2	PIERCE NISQUALLY R	121 58.9	IS	1	27563	122447	30.200	
NW		75	-448.8	466.0	27563	122447		YNNUUUYUY
	RANDLE, WA (15)							
WAENPS3118	PORTLAND AVE RES/MCMILLAN RE	47 13.4	S	0	0	0	35. 1	UUUUUUU
I 5	PIERCE GREEN RIVER O	122 24.5	OP	162	0	0	737870	
NW	CITY OF TACOMA	0	-0.0	249.7	0	0		UUUUUUUUU
	TACOMA,SOUTH							
WA5NPS0356	SEVEN STREAMS	47 35.0	H	80.0	0	0	2049.2	YNUUUUU
I 6	PIERCE NF SKOKOMISH	123 21.6	IS	1	11305	43616	46.982	
NW		12	-105.5	740.0	11355	43616		UUUUUUUUU
	MT.STEEL=15.							
WA5NPS2644	TR NISQUALLY	46 50.3	H	15.0	0	0	4355.7	NNYUYUU
D 9	PIERCE NISQUALLY RIV	122 19.6	IS	1	12882	62062	70.183	
NW		292	-1445.8	74.0	12882	62062		YNNUUUUUU
	EATONVILLE,BALD HILL							
WA5NPS0359	WEST FORK MOUTH	47 2.9	H	20.0	0	0	971.81	UUUUUUU
E 5	PIERCE WF WHITE	121 41.5	IS	1	1096	9104	106.74	
NW		38	-163.2	559.4	1096	9104		UUUUUUUUU
	GREENWATER=15.							
WA5NPS0363	WEST FORK RAINIER	47 0.0	H	50.0	0	0	1201.1	UUUUUUU
D 5	PIERCE WF WHITE	121 41.8	IS	1	1408	10725	111.99	
NW		31	-134.4	479.5	1408	10725		UUUUUUUUU
	GREENWATER=15,SUNRISE.							
WAJNPS0369	WHITE RIVER-TAPPS LAKE	47 10.2	HR	45.0	70000	322200	4298.7	UUUUUUU
I 5	PIERCE WHITE RIVER-O	122 0.1	OP	65000	49000	0	0	
NW	PUGET SOUND PWR AND LT	424	-1563.2	489.0	119000	322200		UUUUUUUUU
	PUCKLEY SUMNER							
WAHNPS0371	YELM (CENTRALIA)	46 53.9	H	30.0	9000	78052	0	UUUUUUU
I 5	PIERCE NISQUALLY R	122 29.7	OP	1	0	0	0	
NW	CENTRALIA CITY OF	480	-2376.7	208.0	9000	78052		UUUUUUUUU
	HARTS LAKE,MCKENNA,WEIR PRAI							
WAINPS0382	BAKER DAM	48 32.8	HRC	278.0	64000	381200	0	UUUUUUU
I 5	SKAGIT BAKER RIVER	121 44.3	OP	142000	0	0	0	
NW	PUGET SND POWER + LIGHT	297	-2674.6	259.0	64000	381200		UUUUUUUUU
	LAKE SHANNON=15.							

SITE ID / DEP ACTV CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. STATUS / AVE. Q (CFS)	DAM HT TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WANNPS0385	BEAR CREEK DAM NO. 1	48 37.1	H	22.0	0	0	498.88	UNUUUUU
I 2	SKAGIT BEAR+ ROCK CR	121 44.1	IS	1	5200	21200	23.532	
NW	LONE STAR CEMENT	22	-184.9	416.0	5200	21200		UUUUUUUUYY
	LAKE SHANNON=15.							
WA5NPS0380	CASCADE	48 31.9	H	160.0	0	0	5794.5	NYUUUUU
E 6	SKAGIT CASCADE RIVER	121 18.6	IS	92100	82093	322025	17.993	
NW		144	-867.9	628.0	82093	322025		UUUUUUUUU
	MARBLEMOUNT							
WA4NPS2630	CASCADE-SKAGIT	48 31.6	H	130.0	0	0	4883.1	NYUUUUU
E 6	SKAGIT SKAGIT R	121 23.3	IS	5200	98055	384673	12.694	
NW		172	-1036.7	628.0	98055	384673		UUUUUUUUU
	MARBLEMOUNT=15.							
WA4NPS2631	COPPER CR ALT	48 37.7	H	170.0	0	0	7948.0	NNYYYUU
E 2	SKAGIT SKAGIT R	121 19.8	IS	1	103697	445305	17.848	
NW		1270	-4884.3	157.0	103697	445305		YNYUYYYYY
	MARBLEMOUNT=15.							
WA5NPS0376	COPPER CREEK	48 35.2	HC	132.0	0	0	9620.9	NNYYYUU
D 2	SKAGIT SKAGIT R	121 22.7	SP	106900	107678	462507	20.801	
NW		1286	-4945.8	161.0	107678	462507		YNYUYYYYY
	MARBLEMOUNT=15.							
WA4NPS2629	DALLES	48 31.4	H	50.0	0	0	9722.7	NYUUUUU
E 6	SKAGIT SKAGIT R	121 46.2	IS	1	64926	292939	33.190	
NW		2737	-15332.2	32.0	64926	292939		UUUUUUUUU
	HAMILTON=15.							
WA5NPS0397	FRAILEY MTN (DEER CR)	48 21.1	H	131.0	0	0	3858.3	NNYYYUU
I 2	SKAGIT DEER CR	121 57.9	IS	7000	44860	170186	22.671	
NW		52	-379.5	817.0	44860	170186		YNNUUUUUY
	USO=15, CLEAR LAKE=15.							
WA4NPS0381	HARD KINDY	48 28.6	H	295.0	0	0	9494.1	NYUUUUU
I 5	SKAGIT CASCADE RIVER	121 13.7	IS	106200	20404	89247	106.37	
NW		92	-559.4	299.7	20404	89247		UUUUUUUUU
	SONNY BOY LAKES							
WA5NPS0379	ILLABOT CR	48 26.1	H	20.0	0	0	2453.0	NNYYYUU
I 2	SKAGIT ILLABOT CR	121 25.9	IS	1	27829	109165	22.471	
NW		32	-192.8	958.0	27829	109165		YNNUUUUUY
	ILLABOT PEAKS							

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WA4NPS0375	LOWER FABER	48 30.3	H	112.0	0	0	17739	NYUUUUU
E 6	SKAGIT SKAGIT R	121 39.6	IS	375100	151277	682455	25.993	
NW		2400	=13444.4	85.0	151277	682455		UUUUUUUUU
	LAKE SHANNON=15.							
WA7NPS0377	LOWER SAUK	48 25.0	HC	255.0	0	0	12969	NYUUUUU
I 6	SKAGIT SAUK	121 33.6	IS	810800	126176	520577	24.913	
NW		714	=4416.9	200.0	126176	520577		UUUUUUUUU
	ROCKPORT, WA							
WA5NPS0378	LOWER SUIATTLE	48 15.0	H	20.0	0	0	7685.4	NYUUUUU
I 6	SKAGIT SUIATTLE R	121 15.8	IS	1	120718	467510	16.439	
NW		256	=1602.6	505.0	120718	467510		UUUUUUUUU
	HUCKLEBERRY MTN, PRAIRIE MTN							
WA4NPS0374	MILE 32.2	48 37.4	H	240.0	0	0	3288.8	UUUUUUU
E 5	SKAGIT SF NOOKSACK R	121 53.0	IS	38400	6520	31607	104. 5	
NW		38	=275.6	224.7	6520	31607		UUUUUUUUU
	HAMILTON (15).							
WA5NPS0298	MILE 74=81	48 33.8	H	20.0	0	0	9952.2	NYUUUUU
I 6	SKAGIT SKAGIT R	121 24.4	IS	1	42125	180891	55. 17	
NW		1350	=5192.0	60.0	42125	180891		UUUUUUUUU
	MARBLEMOUNT=15.							
WA5NPS0373	WANLICK	48 38.3	H	25.0	0	0	3536.3	NNYYYUU
S 2	SKAGIT S.F. NOOKSACK	121 52.5	IS	1	30748	118645	29.805	
NW		32	=228.4	915.0	30748	118645		YNNUUUUUY
	HAMILTON, WA (15)							
WA6NPP0750	ADAMS CREEK	46 19.7	H	285.0	0	0	7289.1	UUUUUUU
I 5	SKAMANIA CISPUS RIVER	121 38.5	IS	63040	74099	141718	51.433	
NW		140	560.0	279.7	74099	141718		UUUUUUUUU
	EAST CANYON RIDGE/GREEN MOUN							
WA7NPP0730	BERRY CREEK	45 46.9	H	240.0	0	0	6861.6	UUUUUUU
D 5	SKAMANIA LITTLE WHITE	121 37.9	IS	119000	9600	41700	164.54	
NW		30	120.0	524.4	9600	41700		UUUUUUUUU
	WILLARD							
WA6NPP0731	BOBS MOUNTAIN	45 36.9	H	345.0	0	0	3904.1	UUUUUUU
I 5	SKAMANIA WEST FORK WAS	122 13.0	IS	87000	11400	49500	78.872	
NW		26	220.0	339.6	11400	49500		UUUUUUUUU
	BRIDAL VEIL							

SITE ID / PROJECT NAME / PRIMARY CO. = NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. INC. CAP. TOT. CAP. (KW)	EXIST.ENRG INC.ENERGY TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA5NPP0732	45 44.0	H	5.0	0	0	2534.7	UYYYYUU
I 6	121 48.0	IS	1	13194	84996	29.821	
NW	209	1080.0	247.7	13194	84996		UUUUUYYUUU
BONNEVILE DAM/WIND RIVER							
WA7NPP0739	46 6.9	H	225.0	0	0	4091.8	UUUUUUU
I 5 SKAMANIA LEWIS RIVER	121 54.9	IS	61000	13655	82175	49.794	
NW	146	885.0	244.7	13655	82175		UUUUUUUUU
BURNT PEAK/SPENCER BUTTE/QUA							
WA5NPP0746	45 45.9	H	10.0	0	0	1707.9	UNUUYUU
E 6 SKAMANIA PANTHER CREEK	121 50.0	IS	1	11700	51100	33.423	
NW	30	160.0	479.5	11700	51100		UUUUUUUUU
WIND RIVER							
WA5NPP0733	46 7.0	H	40.0	0	0	1697.1	UUUUUUU
D 5 SKAMANIA CLEAR CREEK	122 0.4	IS	150	5800	39000	43.517	
NW	31	128.0	749.2	5800	39000		UUUUUUUUU
SPENCER BUTTE/MT.ST.HELENS							
WA7NPP0734	46 8.0	H	180.0	0	0	3850.3	UUUUUUU
D 5 SKAMANIA MUDDY RIVER	122 1.0	IS	41100	9073	55411	69.486	
NW	71	465.0	299.7	9073	55411		UUUUUUUUU
MT ST. HELENS							
WA6NPP0740	45 36.9	H	505.0	0	0	14509	UUUUUUU
I 5 SKAMANIA WASHOUGAL RIV	122 9.9	IS	520800	34200	149800	96.858	
NW	54	450.0	499.5	34200	149800		UUUUUUUUU
BRIDAL VEIL							
WA7NPP0735	45 49.9	H	325.0	0	0	12689	UUUUUUU
D 5 SKAMANIA WIND RIVER	121 56.0	IS	170000	12931	75645	167.74	
NW	56	310.0	639.3	12931	75645		UUUUUUUUU
WIND RIVER							
WA5NPP0747	46 4.9	H	20.0	0	0	2819.5	UNUUYUU
D 2 SKAMANIA RUSH CREEK LE	121 58.9	IS	8	55000	168000	16.783	
NW	38	230.0	1378.6	55000	168000		UUUUNNNNY
BURNT PEAK							
WA7NPP0748	46 2.9	H	150.0	0	0	4410.9	UUUUUUU
E 5 SKAMANIA MEADOW CREEK	121 55.0	IS	85000	30000	92000	47.944	
NW	12	70.0	794.2	30000	92000		UUUUUUUUU
LONE BUTTE/BURNT PEAK							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA5NPP0697	NINE FOOT CREEK (GULER)	46 4.9	H	104.0	0	0	3023.9	UYYYYUU
I 2	SKAMANIA WHITE SALMON	121 34.7	IS	1	21735	87561	34.534	
NW		34	150.0	875.1	21735	87561		UUUUYYYYY
	TROUT LAKE							
WA7NPP0737	PARADISE FALLS	46 13.0	H	200.0	0	0	3630.0	UUUUUUU
D 5	SKAMANIA CLEARWATER CR	122 1.0	IS	90000	17000	67000	54.179	
NW		22	140.0	759.2	17000	67000		UUUUUUUUU
	MT ST HELENS/SPENCER BUTTE/S							
WA6NPP0744	QUARTZ CREEK	46 10.0	H	460.0	0	0	11615	UUUUUUU
D 5	SKAMANIA LEWIS RIVER	121 52.0	IS	259000	94044	176690	65.736	
NW		124	745.0	414.5	94044	176690		UUUUUUUUU
	QUARTZ CREEK BUTTE							
WA7NPP0751	SPIRIT LAKE	46 16.5	H	77.0	0	0	2600.3	UUUUUUU
D 5	SKAMANIA NORTH FORK TO	122 15.4	IS	80000	4800	42000	61.913	
NW		15	75.0	1098.9	4800	42000		UUUUUUUUU
	SPIRIT LAKE/ELK ROCK							
WA7NPP0738	STEAMBOAT CREEK	46 11.0	H	200.0	0	0	4463.9	UUUUUUU
D 5	SKAMANIA LEWIS RIVER	121 48.0	IS	68000	9500	74000	60.323	
NW		66	410.0	449.5	9500	74000		UUUUUUUUU
	STEAMBOAT MTN/QUARTZ CREEK 8							
WAINPP0753	SWIFT DAM (SWIFT NO 1)	46 3.7	HR	512.0	204000	642000	0	UUUUUUU
D 5	SKAMANIA LEWIS RIVER	122 11.8	OP	755000	0	0	0	
NW	PACIFIC POWER + LIGHT CO	481	2900.0	395.9	204000	642000		UUUUUUUUU
	MOUNT ST. HELENS							
WA7NPP0749	TROUT CREEK	45 45.9	H	110.0	0	0	5286.7	UYYYYUU
D 6	SKAMANIA WIND RIVER	121 50.0	IS	23500	76900	336600	15.706	
NW		143	790.0	639.3	76900	336600		UYYYYYUUY
	WIND RIVER							
WA7NPP0752	TWIN FALLS	46 12.0	H	250.0	0	0	3125.9	UUUUUUU
D 5	SKAMANIA LEWIS RIVER	121 41.9	IS	30000	4731	28085	111.29	
NW		24	150.0	499.5	4731	28085		UUUUUUUUU
	STEAMBOAT MTN							
WA4NPS0413	BECKLER	47 43.9	H	270.0	0	0	8546.1	NYUUUUU
D 5	SNOHOMISH BECKLER RIVER	121 19.9	IS	117000	18528	85784	99.623	
NW		96	-674.1	249.7	18528	85784		UUUUUUUUU
	SKYKOMISH, EVERGREEN							

SITE ID / PRIMARY CO. / DEP CODE / ACTV / INV / POWER AREA	PROJECT NAME / NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) / (D M,M) / (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA5NPS0387	BUCK CREEK #1	48 13.3	H	20.0	0	0	4705.6	YNUUUUU
I 6	SNOHOMISH SUIATTLE RIVE	121 9.7	IS	1	65999	255597	18.410	
NW		186	-1164.4	380.0	65999	255597		UUUUUUUUUU
	GLACIER PEAK-15,HUCKLEBERRY							
WA5NPS0390	BUCK CREEK #1A	48 19.1	H	90.0	0	0	2392.8	YNUUUUU
I 6	SNOHOMISH BUCK CREEK	121 17.0	IS	870	23531	91129	26.257	
NW		21	-131.4	1200.0	23531	91129		UUUUUUUUU
	HUCKLEBERRY MTN							
WA5NPS0388	DOWNEY CREEK #1	48 14.4	H	20.0	0	0	3540.5	YNUUUUU
I 6	SNOHOMISH SUIATTLE RIVE	121 11.0	IS	1	36127	139913	25.305	
NW		106	-663.6	365.0	36127	139913		UUUUUUUUU
	GLACIER PEAK-15, DOWNEY CR.							
WA5NPS0391	DOWNEY CREEK #1A	48 13.0	H	20.0	0	0	2568.7	YNUUUUU
I 6	SNOHOMISH DOWNEY CR	121 7.6	IS	1	51016	197574	13. 1	
NW		49	-306.7	1115.0	51016	197574		UUUUUUUUU
	GLACIER PEAK-15.							
WADNPS0420	GEORGE CULMBACK DAM	47 58.4	S	155.0	0	0	834. 1	UNUUUUU
I 2	SNOHOMISH SULTAN RIVER	121 41.0	IS	35600	9076	43232	19.291	
NW	SNOHOMISH CO PUD NO 1	68	-617.8	145.0	9076	43232		UUUUUUUYY
	INDEX-15.							
WA5NPS2650	GIDDINGS CREEK	47 51.8	H	25.0	0	0	4430.7	NYUUUUU
E 6	SNOHOMISH NF SKYKOMISH	121 29.2	IS	1	54893	205242	21.587	
NW		145	-1089.1	330.0	54893	205242		UUUUUUUUU
	BARING,INDEX 15.							
WA5NPS0399	GRANITE FALLS	48 5.7	H	80.0	0	0	3511.3	NYYYYUU
S 6	SNOHOMISH SF STILLAGUAM	121 55.8	IS	1	37773	137016	25.627	
NW		118	-1072.0	237.0	37773	137016		YNNUUUUUY
	GRANITE FALLS-15.							
WA4NPS0398	JORDAN	48 9.5	H	120.0	0	0	4931.8	NNYYYUU
S 6	SNOHOMISH SF STILLAGUAM	122 3.6	IS	74300	31290	113562	43.428	
NW		198	-1798.9	117.0	31290	113562		YYYYUUUUY
	ARLINGTON EAST							
WA7NPS0412	LAKE DOROTHY	47 35.9	H	48.0	0	0	1199.0	YNUUUUU
I 6	SNOHOMISH EF MILLER RIV	121 23.1	IS	11000	6302	26490	45.265	
NW		6	-41.4	1000.0	6302	26490		UUUUUUUUU
	SNOQUALMIE LAKE							

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WA7NPS0409	LAKE ISABELL	47 51.9	H	80.0	0	0	1567.0	UUUUUUU
I 5	SNOHOMISH MAY CR	121 36.1	IS	7600	6657	31303	50. 59	
NW		3	-26.4	2367.6	6657	31303		UUUUUUUUU
	INDEX=15.							
WA6NPS3121	LOWER SITE	47 28.4	H	470.0	0	0	23760	UUUUUUU
I 5	SNOHOMISH M.F. SNOQUALM	121 41.2	IS	1143900	86180	387615	61.300	
NW		154	-1303.2	460.0	86180	387615		UUUUUUUUU
	BANDERA (15) MOUNT SI (15).							
WA5NPS0392	LOWER WHITE CHUCK	48 9.6	H	20.0	0	0	4022.0	NNYUYUU
I 6	SNOHOMISH WHITE CHUCK R	121 17.5	IS	1	47733	181297	22.185	
NW		50	-378.3	821.0	47733	181297		YNNUUUUUY
	PUGH MTN, WA							
WA5NPS0406	MIDDLE SULTAN	47 58.5	H	80.0	0	0	2935.8	NNYUYUU
I 2	SNOHOMISH SULTAN RIVER	121 44.7	IS	3150	37635	136517	21.505	
NW		72	-654.1	387.0	37635	136517		YNNUUUUUY
WA7NPS0394	NORTH FORK SAUK	48 5.6	H	230.0	0	0	6478.1	NYUUUUU
I 6	SNOHOMISH N.F. SAUK RIV	121 20.8	IS	79000	76640	291364	22.233	
NW		78	-590.1	845.0	76640	291364		UUUUUUUUU
	SLOAN PARK, BEDAL							
WA4NPS0396	OSO	48 13.5	H	150.0	0	0	6820.3	NYYYYUU
I 6	SNOHOMISH NF STILLAGUAM	122 5.9	IS	285300	40640	154376	44.179	
NW		283	-2065.4	136.0	40640	154376		YYYYUUUUY
	ARLINGTON EAST							
WA4NPS0403	PILCHUCK	48 1.9	H	160.0	0	0	915. 5	UUUUUUU
I 5	SNOHOMISH PILCHUCK RIVE	121 51.1	IS	20000	1067	5801	157.72	
NW		34	-90.1	149.8	1067	5801		UUUUUUUUU
WA4NPS0415	RAPID RIVER	47 48.3	H	370.0	0	0	4066.0	UUUUUUU
I 5	SNOHOMISH RAPID RIVER	121 16.6	IS	72000	21032	62447	65.111	
NW		42	-294.9	359.6	21032	62447		UUUUUUUUU
	EVERGREEN MTN.							
WA7NPS0400	ROBE	48 5.6	H	350.0	0	0	9517.3	NYYYYUU
S 6	SNOHOMISH SF STILLAGUAM	121 52.0	IS	325500	77062	330026	28.838	
NW		111	-1008.4	514.0	77062	330026		YYYUUUUUY
	GRANITE FALLS-15.							

SITE ID / DEP ACTV CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. *NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRGY / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA6NPS2635	ROBE ALT	48 6.1	H	220.0	0	0	6421.4	NYYYYUY
E 6	SNOHOMISH SF STILLAGUAM	121 51.8	IS	242500	54973	230371	27.874	
NW		110	-999.3	370.0	54973	230371		YYYUUUUUUY
	GRANITE FALLS-15.							
WA5NPS2651	SILVER CREEK	47 53.6	H	90.0	0	0	3563.5	NYUUUUU
E 6	SNOHOMISH NF SKYKOMISH	121 26.1	IS	1	33140	125870	28.311	
NW		95	-718.8	300.0	33140	125870		UUUUUUUUU
	MONTE CRISTO,BARING							
WA7NPS0402	SILVERTON	48 4.3	H	90.0	0	0	1930.3	UUUUUUU
I 5	SNOHOMISH SF STILLAGUAM	121 35.9	IS	11300	851	6796	284. 2	
NW		34	-311.7	119.8	851	6796		UUUUUUUUU
	SILVERTON-15.							
WA7NPS0395	SLOAN CR	48 2.9	H	160.0	0	0	4016.5	NYUUUUU
I 5	SNOHOMISH SLOAN CR	121 17.3	IS	44800	14091	51818	77.511	
NW		29	-223.3	399.6	14091	51818		UUUUUUUUU
	SLOAN PEAK							
WA4NPS3212	SUNSET FALLS	47 48.2	HO	2.0	0	0	876.20	NUYUYUU
I 2	SNOHOMISH SF SKYKOMISH	121 32.8	SP	0	7200	63000	13.908	
NW		355	2400.0	86.9	7200	63000		YUUUUUUYY
	INDEX, WA (15)							
WA5NPS0410	SUNSET FALLS	47 48.0	H	10.0	0	0	4139.7	NYUUUUU
I 6	SNOHOMISH SF SKYKOMISH	121 31.8	IS	1	63384	236168	17.528	
NW		355	-2450.5	170.0	63384	236168		UUUUUUUUU
	INDEX-15.							
WA5NPS2653	TROUBLESOME #2	47 55.4	H	90.0	0	0	1319.3	UUUUUUU
E 5	SNOHOMISH TROUBLESOME C	121 22.8	IS	1	4628	24330	54.226	
NW		10	-88.3	599.4	4628	24330		UUUUUUUUU
	MONTE CRISTO							
WA7NPS0417	TROUBLESOME NO. 1	47 56.0	H	36.0	0	0	1131.3	NNYYYUU
I 6	SNOHOMISH TROUBLESOME C	121 20.5	IS	20000	7184	30199	37.464	
NW		3	-20.7	2280.0	7184	30199		YNNUUUUUY
	BLANCA LAKE, WA							
WA5NPS0416	TROUT CREEK	47 50.6	H	25.0	0	0	1511.8	NNYYYUU
I 2	SNOHOMISH NF SKYKOMISH	121 26.5	IS	1	10014	37314	40.516	
NW		11	-80.0	822.0	10014	37314		YNNUUUUUY
	BARING							

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WA6NPS0401	TYREE	48 4.6	H	410.0	0	0	8241.9	NNYYYUU
S 6	SNOHOMISH SF STILLAGUAM	121 44.7	IS	456000	47409	202934	40.613	
NW		90	-817.6	390.0	47409	202934		YYYUUUUUY
	SILVERTON, WA (15)							
WA6NPS2633	UPPER SAUK II	48 10.4	H	200.0	0	0	7309.1	NYUUUUU
E 6	SNOHOMISH SAUK	121 28.3	IS	136200	53966	205086	35.639	
NW		238	-1800.8	195.0	53966	205086		UUUUUUUUU
	WHITECHUCK, DARRINGTON, SILV							
WA7NPS0386	UPPER SAUK I (DAN CR)	48 10.4	H,C	200.0	0	0	11749	NYUUUUU
D 6	SNOHOMISH SAUK R	121 28.3	IS	128900	161898	615245	19. 98	
NW		238	-1800.8	585.0	161898	615245		UUUUUUUUU
	WHITE CHUCK, SILVERTON (15),							
WA5NPS0411	UPPER SOUTH FORK	47 42.3	H	30.0	0	0	948.81	NYUUUUU
I 5	SNOHOMISH SF SKYKOMISH	121 18.4	IS	1	349	3047	311.37	
NW		43	-306.8	119.8	349	3047		UUUUUUUUU
	SKYKOMISH							
WA5NPS0389	UPPER SUIATTLE	48 12.6	H	20.0	0	0	3672.5	YNUUUUU
I 6	SNOHOMISH SUIATTLE RIVE	121 5.2	IS	1	57053	220953	16.621	
NW		94	-588.4	650.0	57053	220953		UUUUUUUUU
	GLACIER PEAK - 15.							
WA5NPS0393	UPPER WHITE CHUCK	48 7.8	H	320.0	0	0	4504.2	YNUUUUU
I 6	SNOHOMISH WHITE CHUCK	121 12.2	IS	11200	41861	158993	28.329	
NW		30	-226.9	1200.0	41861	158993		UUUUUUUUU
	GLACIER PEAK-15, PUGH MTN.							
WA7NPS0408	WALLACE FALLS	47 53.1	H	240.0	0	0	3994.8	YNYYYUU
I 6	SNOHOMISH WALLACE RIVER	121 38.1	IS	55100	20108	87917	45.439	
NW		10	-86.9	1584.0	20108	87917		YUUUUUUUY
	INDEX-15.							
WA5NPS0404	WINTERS	47 54.8	H	10.0	0	0	3195.1	NNYYYUU
I 2	SNOHOMISH SULTAN RIVER	121 48.5	IS	1	19119	69351	46. 72	
NW		95	-863.1	149.0	19119	69351		YUUUUUUUY
	MONROE -15.							
WA4NPS0414	4TH OF JULY	47 48.6	H	420.0	0	0	4890.6	UUUUUUU
I 5	SNOHOMISH BECKLER RIVER	121 17.5	IS	91000	23801	42992	113.75	
NW		25	-175.5	399.6	23801	42992		UUUUUUUUU
	EVERGREEN MT.							

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA4NPS0422	BOWL AND PITCHER	47 41.8	H	135.0	0	0	9224.4	YNYUYUU
I 6	SPOKANE SPOKANE RIVER	117 29.8	IS	1	115021	465276	19,825	
NW		4970	-8076.6	115.0	115021	465276		YYNUUUUUUU
	SPOKANE NW, WA.							
WAHNPS0426	MONROE STREET DAM	47 39.7	H	26.0	7200	58000	0	UUUUUUU
I 5	SPOKANE SPOKANE RIVER	117 25.5	OP	68	0	0	0	
NW	WASHINGTON WATER POWER	4290	-6971.6	75.2	7200	58000		UUUUUUUUU
	SPOKANE NW, WA.							
WAGNPS0427	NINE MILE RESERVOIR	47 46.5	HR	95.0	12000	104068	0	UUUUUUU
I 5	SPOKANE SPOKANE RIVER	117 32.5	OP	5210	0	0	0	
NW	WASHINGTON WATER POWER	5200	-8450.4	63.3	12000	104068		UUUUUUUUU
	NINE MILE FALLS,WA.							
WAHNPS0425	UPPER FALLS RESERVOIR	47 39.7	H	22.0	10000	73700	5771.6	UNUUUUU
I 2	SPOKANE SPOKANE RIVER	117 24.8	OP	800	88600	284500	20,287	
NW	WASHINGTON WATER POWER CO.	6380	-10368.0	68.9	98600	358200		UUUUUUUUU
	SPOKANE NW, WA.							
WAHNPS0428	UPRIVER DAM RESERVOIR	47 41.1	H	27.0	3900	31000	880.30	UNUUUUU
I 2	SPOKANE SPOKANE RIVER	117 19.6	OP	200	9600	47000	18,729	
NW	CITY OF SPOKANE	4215	-3796.7	31.0	13500	78000		UUUUUUUUU
	SPOKANE NE, WA.							
WADNPS3101	HUNTER RESERVOIR	48 7.3	IR	57.0	0	0	53,954	UUUUUUU
I 5	STEVENS COLUMBIA RIVE	118 9.4	OP	522	90	735	73,348	
NW	HUNTER LAND CO	281	-85.6	49.9	90	735		UUUUUUUUU
	HUNTERS,WA (15).							
WA5NPS0429	LOWER BIG SHEEP	48 57.4	H	230.0	0	0	4366.8	UUUUUUU
I 5	STEVENS BIG SHEEP CRE	117 48.1	IS	27500	37361	44513	98,101	
NW		220	-127.8	559.4	37361	44513		UUUUUUUUU
	NORTHPORT, WA TO BORDER.							
WAJNPS0430	MEYERS FALLS RESERVOIR	48 35.7	H	23.0	1200	9000	342.77	UNUUUUU
I 2	STEVENS COLVILLE R	118 3.4	OP	60	2873	8618	39,772	
NW	WASHINGTON WATER POWER CO.	1000	-308.5	124.0	4073	17618		UUUUUUUUU
	KETTLE FALLS, WA							
WACNPS0434	SKOOKUMCHUCK RESERVOIR	46 47.1	S	137.0	0	0	303.36	UUUUUUU
I 5	THURSTON SKOOKUMCHUCK	122 42.9	OP	35000	2677	12347	24,568	
NW	PACIFIC POWER + LIGHT CO	62	0	136.8	2677	12347		UUUUUUUUU
	VAIL							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA5NPP0754	GRAYS RIVER	46 21.9	H	50.0	0	0	2388.0	UNYYUUU
I 6	WAHKIAKUM GRAYS RIVER	123 33.0	IS	1900	17000	56800	42.43	
NW		60	382.0	229.7	17000	56800		UUYUYNNYY
	GRAYS RIVER/SKAMOKAWA							
WA6NPW0486	BLUE CREEK	46 6.5	ICSR	192.0	0	0	2214.2	NNYYYUN
I 5	WALLA WALLA MILL CREEK	118 7.9	SI	36000	88	362	6103.1	
NW		91	-77.2	173.8	88	362		UYYYNNNUN
WAGNPW0488	ICE HARBOR LOCK AND DAM	46 15.0	H	110.0	603000	2574000	18296	NNNNNNN
I (5)	WALLA WALLA SNAKE RIVER	118 52.7	OP	376000	330000	96000	190.58	
NW (6)	DAEN NPW	109000	30000.0	79.9	933000	2670000		NNNNNNNUN
WAGNPW0487	LOWER MONUMENTAL DAM	46 33.9	H	110.0	932000	2856000	0	NNNNNNN
I 5	WALLA WALLA SNAKE RIVER	118 32.2	OP	376000	0	0	0	
NW	DAEN NPW	108500	30000.0	100.0	932000	2856000		NNNNNNNUN
WADNPW2674	MILL CREEK DAM	46 4.6	C	23.0	0	0	152.50	NNNNNNN
I 5	WALLA WALLA MILL CREEK OF	117 37.0	OP	15	0	0	223436	
NW	DAEN NPW	95	-80.6	13.0	0	0		NNNNNNNUN
	WALLA WALLA 1:24000							
WA6NPW0485	TOUCHET	46 9.0	H	260.0	0	0	5745.5	NNYYYUN
I 5	WALLA WALLA TOUCHET RIVER	118 37.9	IS	107000	18727	54207	105.99	
NW		720	250.0	246.7	18727	54207		UNNNNNNUN
	WELLAND 1:24000.							
WA4NPS0439	BRIDGE CAMP	48 54.2	H	275.0	0	0	7318.1	UUUUUUU
I 5	WHATCOM N.F. NOOKSACK	121 50.7	IS	41500	22762	110343	66.321	
NW		105	-785.5	254.7	22762	110343		UUUUUUUUU
	MT BAKER (15).							
WA4NPS3217	CLEARWATER CREEK			0	0	0	0	NUYUYUU
I 9	WHATCOM			0	0	0	0	
NW			0	0	0	0		YUUUUUUYY
WA5NPS0435	DEMING	48 48.6	H	130.0	0	0	8337.2	NYYYYUY
D 6	WHATCOM NOOKSACK RIVE	122 12.1	IS	436000	46049	203949	40.879	
NW		584	-3384.7	102.0	46049	203949		YYYYUUUUY
	DEMING,WICKERSHAM,KENDALL,CA							

SITE ID / DEP ACTV / CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WAINPS0452	DIABLO DAM	48 42.8	HRC	366.0	120000	752000	3963.6	UUUUUUU
I 5	WHATCOM SKAGIT RIVER	121 7.8	OP	90000	160000	0	0	
NW	CITY OF SEATTLE	1125	=4326.6	330.0	280000	752000		UUUUUUUUU
	DIBLO DAM							
WA6NPS2627	EDFRO	48 39.5	H	430.0	0	0	7337.1	NYYYYUU
E 6	WHATCOM S.F. NOOKSACK	122 7.2	IS	505000	44349	193171	37.982	
NW		103	=735.3	410.0	44349	193171		YNNUUUUUY
	WICKERSHAM (15).							
WA4NPS0438	GLACIER	48 54.0	H	320.0	0	0	6286.1	NNYYYUU
I 6	WHATCOM N.F. NOOKSACK	121 51.8	IS	92300	65856	267734	23.479	
NW		193	=1439.9	315.0	65856	267734		YYYUUUUUY
	MT BAKER (15).							
WAJNPS0450	GORGE LAKE	48 41.8	HRC	140.0	137700	915000	4193.3	UUUUUUU
I 5	WHATCOM SKAGIT RIVER	121 12.4	OP	8300	175000	0	0	
NW	CITY OF SEATTLE	1160	=4461.2	380.0	312700	915000		UUUUUUUUU
	DIABLO DAM							
WA5NPS0443	GREEN CREEK DIVERSION	48 44.3	H	20.0	0	0	2655.7	NYYYYUU
I 2	WHATCOM M FK NOOKSACK	121 56.3	IS	1	24132	93117	28.520	
NW		30	=214.1	766.0	24132	93117		YNNUUUUUY
	HAMILTON, WA (15)							
WA4NPS2032	LAKE CREEK	48 45.7	H	420.0	0	0	15073	YNUUUUU
E 5	WHATCOM BAKER RIVER	121 32.6	IS	299000	20936	91716	164.34	
NW		70	=430.5	399.6	20936	91716		UUUUUUUUU
	MT. SHUKSAN=15.							
WA5NPS0436	MAPLE FALLS	48 54.6	H	80.0	0	0	5107.6	NNYYYUU
I 6	WHATCOM N.F. NOOKSACK	122 4.6	IS	6	56513	229677	22.238	
NW		235	=1753.3	222.0	56513	229677		YYYYUUUUY
	MAPLE FALLS,MT BAKER							
WAHNPS0456	NEWHALEM CREEK	48 39.6	H	10.0	2300	17520	264.73	UNUUUUU
I 2	WHATCOM NEWHALEM CR	121 14.7	OP	1	2500	17300	15.302	
NW	SEATTLE CITY LIGHT	28	=235.4	511.0	4800	34820		UUUUUUUUU
	DIABLO DAM, WA							
WAHNPS0455	NOOKSACK	48 54.3	H	10.0	1500	12000	651.24	UNUUUUU
I 2	WHATCOM NOOKSACK R	121 48.4	OP	1	6000	32000	20.351	
NW	PUGET SOUND PWR AND LT	95	=709.5	170.0	7500	44000		UUUUUUUYY
	MT BAKER (15).							

SITE ID / DEP ACTV CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA6NPS2625	NOOKSACK FALLS	48 54.6	H	275.0	0	0	5404.1	UUUUUUU
E 5	WHATCOM N.F. NOOKSACK	121 47.1	IS	134000	19957	78591	68.762	
NW		68	-508.7	259.7	19957	78591		UUUUUUUUU
	MT BAKER (15) MT SHUKSAN (15							
WA6NPS2626	NORTH FORK,	48 54.5	H	340.0	0	0	7920.2	UUUUUUU
E 5	WHATCOM N.F. NOOKSACK	121 46.7	IS	290100	23842	96749	81.862	
NW		68	-508.7	321.6	23842	96749		UUUUUUUUU
	MT BAKER (15),MT SHUKSAN (15							
WA4NPS0441	PRICE	48 52.2	H	250.0	0	0	2699.5	UUUUUUU
I 5	WHATCOM N.F. NOOKSACK	121 36.5	IS	23800	2358	11733	230. 7	
NW		12	-89.7	239.7	2358	11733		UUUUUUUUU
	MT SHUKSAN (15),							
WAJNPS0451	ROSS HIGH DAM	48 43.9	HRC	400.0	360000	792000	4989.2	UNUUUUU
I 2	WHATCOM SKAGIT RIVER	121 3.9	OP	1204100	292000	403000	12,380	
NW	CITY OF SEATTLE	999	-3842.0	391.0	652000	1195000		UUUUYYYYY
	ROSS DAM							
WA4NPS0445	RUTH DIVERSION	48 54.6	H	180.0	0	0	2423.0	UUUUUUU
I 5	WHATCOM RUTH CR	121 35.6	IS	6200	741	4519	536.18	
NW		8	-59.8	159.8	741	4519		UUUUUUUUU
	MT SHUKSAN (15),							
WA5NPS3215	SANDY CREEK	48 42.5	H	25.0	0	0	1472.2	NUYUYUU
I 2	WHATCOM SANDY CR.	121 42.0	SP	85	8900	56200	26.196	
NW			67.5	750.0	8900	56200		YUUUUUUYY
	LAKE SHANNON (15)							
WA7NPS0440	SHUKSAN	48 54.4	H	250.0	0	0	9892.6	UUUUUUU
I 5	WHATCOM N.F. NOOCKSAC	121 45.2	IS	237000	40384	161789	61,144	
NW		64	-478.8	569.4	40384	161789		UUUUUUUUU
	MT BAKER (15),MT SHUKSAN,							
WA6NPS0442	SKOOKUM CREEK	48 40.1	H	430.0	0	0	7750.8	NYYYYUU
S 6	WHATCOM SF NOOKSACK R	122 8.2	IS	411700	45971	200238	38.708	
NW		103	-735.3	425.0	45971	200238		YNNUUUUUY
	WICKERSHAM (15),							
WA7NPS0447	SULFIDE CREEK	48 46.9	H	480.0	0	0	11432	YNUUUUU
D 6	WHATCOM BAKER R	121 30.8	IS	197000	217631	995484	11.484	
NW		476	-4002.1	476.0	217631	995484		UUUUUUUUU
	MT. SHUKSAN=15,							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M,M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M,M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
WA5NPS2634	THUNDER CREEK	48 37.9	H	410.0	0	0	8312.7	YNUUUUU
E 5	WHATCOM THUNDER CK	121 3.0	IS	262900	66446	136803	60.764	
NW		92	=559.4	394.6	66446	136803		UUUUUUUUU
	ROSS DAM, CRATER MTN.							
WAINPS0453	UPPER BAKER DAM	48 38.8	HRC	295.0	94400	230809	0	UUUUUUU
I 5	WHATCOM BAKER RIVER	121 41.1	OP	221000	0	0	0	
NW	PUGET SND POWER + LIGHT	211	=1271.8	285.0	94400	230809		UUUUUUUUU
	LAKE SHANNON=15.							
WA5NPS0437	WARNICK	48 54.1	H	50.0	0	0	2283.5	UUUUUUU
I 5	WHATCOM N.F. NOOKSACK	121 58.6	IS	1	992	8656	263.79	
NW		193	=1443.9	46.9	992	8656		UUUUUUUUU
	MT BAKER (15) MAPLE FALLS							
WA4NPS2624	WELCOME	48 49.6	H	140.0	0	0	7151.9	NYYYYUU
E 6	WHATCOM NOOKSACK RIVE	122 9.6	IS	167200	37106	164213	43.552	
NW		400	=2318.3	120.0	37106	164213		YYYYUUUUY
	DEMING,CANYON LAKE,KENDALL							
WA4NPS0444	WELLS CREEK	48 52.9	H	220.0	0	0	2669.4	UUUUUUU
I 5	WHATCOM WELLS CR	121 46.6	IS	15400	3480	17168	155.48	
NW		21	=157.1	199.8	3480	17168		UUUUUUUUU
	MT BAKER (15).							
WA4NPS0446	WHATCOM CREEK #2	48 45.1	H	40.0	0	0	900.66	UUUUUUU
I 5	WHATCOM WHATCOM CR	122 28.0	IS	3900	105	905	994.39	
NW		64	=169.7	39.9	105	905		UUUUUUUUU
	BELLINGHAM NORTH,BELLINGHAM							
WA4NPS2628	WHATCOM CREEK 1	48 45.1	H	37.0	0	0	1044.7	UUUUUUU
E 5	WHATCOM WHATCOM CR	122 25.6	IS	1	3970	18124	57.642	
NW		56	=148.5	249.7	3970	18124		UUUUUUUUU
	BELLINGHAM,NORTH,WICKERSHAM							
WA6NPW0490	ELBERTON	46 57.6	ICR	210.0	0	0	5205.7	NNYNYUN
I 5	WHITMAN PALOUSE RIVER	117 13.0	SI	102300	20272	29937	173.89	
NW	PRIVATE	495	360.0	197.8	20272	29937		UUUUNNNUN
	ELBERTON 1:24000.							
WA4NPS0470	AMERICAN RIVER	46 59.2	H	188.0	0	0	4219.5	UUUUUUU
I 5	YAKIMA BUMPING RIVER	121 5.9	IS	21200	22641	82963	50.860	
NW		189	=876.8	177.8	22641	82963		UUUUUUUUU
	CLIFFDELL, WA.							

SITE ID / PROJECT NAME / LATITUDE / PROJ.PURP. / DAM HT / EXIST.CAP. / EXIST.ENRG / ANUL. COST / ENVIRONMENTAL
PRIMARY CO. -NAME OF STREAM / LONGITUDE / STATUS / TOT. STOR / INC. CAP. / INC.ENERGY / ENERGY COST / IMPACT CODE
DEP ACTV / OWNER / DR.AREA / AVE. Q / PWR. HD. / TOT. CAP. / TOT.ENERGY / /
CODE INV / MAP REFERENCE / (D M.M) / / (FT) / (KW) / (MWH) / (1000 $) /
/ / (D M.M) / / (AC FT) / (KW) / (MWH) / ($/MWH) / SOCIAL
POWER AREA / / (SQ MI) / (CFS) / (FT) / (KW) / (MWH) / / IMPACT CODE
WA7NPS0475 / BEAR CR / 47 4.5 / H / 80.0 / 0 / 0 / 2562.2 / UUUUUUU
I 5 / YAKIMA LITTLE NACHES / 121 14.8 / IS / 26700 / 3719 / 19320 / 132.62 /
NW / / 42 / -177.8 / 239.7 / 3719 / 19320 / / UUUUUUUUU
/ EASTON WA(15), LESTER WA(15) / / / / / / /
WA4NP82657 / BELOW ELEV 1765 / 46 46.0 / H / 155.0 / 0 / 0 / 3076.0 / UUUUUUU
E 5 / YAKIMA NACHES RIVER / 120 50.2 / IS / 1 / 23025 / 66392 / 46.331 /
NW / / 640 / -847.2 / 144.8 / 23025 / 66392 / / UUUUUUUUU
/ MILK CANYON WA. / / / / / / /
WA5NPP0756 / BIG MUDDY / 46 6.9 / H / 90.0 / 0 / 0 / 2551.2 / UYUUYUU
E 6 / YAKIMA KLICKITAT / 121 16.9 / IS / 1500 / 15500 / 119000 / 21.439 /
NW / / 253 / 500.0 / 339.6 / 15500 / 119000 / / UUUUUYUUY
/ JUNGLE BUTTE/GLENNWOOD / / / / / / /
WACNPS0478 / BUMPING LAKE / 46 52.8 / ICR / 38.0 / 0 / 0 / 182.83 / UNUUUUU
E 2 / YAKIMA BUMPING RIVER / 121 16.9 / OP / 33700 / 1080 / 5664 / 32.280 /
NW / DOI USBR / 69 / -291.9 / 33.0 / 1080 / 5664 / / UUUUUUUUU
/ BUMPING LAKE, WA (15) / / / / / / /
WA6NPS0472 / BUMPING LAKE ENLARGEMENT / 46 52.1 / DCRI / 223.0 / 0 / 0 / 8353.3 / UNUUUUU
D 2 / YAKIMA BUMPING RIVER / 121 17.8 / IS / 458000 / 7304 / 41070 / 203.39 /
NW / / 69 / -291.9 / 223.0 / 7304 / 41070 / / UUUUUUUYY
/ BUMPING LAKE, WA (15) / / / / / / /
WA7NPS2658 / BUMPING LAKE ELEVATION 3165 / 46 56.7 / H / 255.0 / 0 / 0 / 7697.4 / UUUUUUU
E 5 / YAKIMA BUMPING RIVER / 121 11.3 / IS / 110900 / 20163 / 73114 / 105.27 /
NW / / 69 / -292.2 / 446.5 / 20163 / 73114 / / UUUUUUUUU
/ OLD SCAB MTN. WA. / / / / / / /
WA6NPS0465 / BUMPING RATTLESNAKE RTLSNK C / 46 49.1 / H / 175.0 / 0 / 0 / 5105.0 / UUUUUUU
I 5 / YAKIMA NACHES RIVER / 120 55.6 / IS / 113700 / 23683 / 67323 / 75.828 /
NW / / 583 / -771.7 / 159.8 / 23683 / 67323 / / UUUUUUUUU
/ NILE, WA MANASTASH, CLIFFDE / / / / / / /
WA5NPS0467 / BUMPING RIVER / 46 55.9 / H / 230.0 / 0 / 0 / 5228.6 / UUUUUUU
I 5 / YAKIMA NACHES RIVER / 121 3.0 / IS / 73000 / 55640 / 86842 / 60.208 /
NW / / 385 / -509.6 / 274.7 / 55640 / 86842 / / UUUUUUUUU
/ / / / / / / /
WA5NPP0758 / CASTILE FORD / 46 15.5 / H / 10.0 / 0 / 0 / 1335.5 / UUUUUUU
D 5 / YAKIMA KLICKITAT RIV / 121 15.0 / IS / 1 / 3163 / 20307 / 65.765 /
NW / / 130 / 280.0 / 279.7 / 3163 / 20307 / / UUUUUUUUU
/ WINDY POINT/CASTILE FALLS / / / / / / /

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WACNPS0479	CLEAR LAKE	46 37.6	IR	57.0	0	0	182.48	UNUUUUU
I 2	YAKIMA NF TIETON R.	121 16.1	OP	5300	1526	6720	27.153	
NW	DOI USBR	62	=262.5	49.9	1526	6720		UUUUUUUUU
	WHITE PASS, WA							
WAANPS0460	COWICHE CANYON	46 37.9	H	22.0	0	0	417.28	UNUUUUU
I 6	YAKIMA NACHES RIVER	120 35.1	IS	1	3055	12000	34.773	
NW		1000	=1321.9	20.0	3055	12000		UUUUUUUUY
	SELAH, WA.							
WA5NPS0476	CROW CREEK	47 0.9	H	320.0	0	0	4804.4	UUUUUUU
I 5	YAKIMA CROW CREEK	121 13.9	IS	33700	5682	26670	180.14	
NW		33	=139.7	389.6	5682	26670		UUUUUUUUU
	EASTON WA(15), LESTER WA(15)							
WA7NPS0471	DEAD HORSE HILL	46 55.6	H	200.0	0	0	5216.6	UUUUUUU
E 5	YAKIMA BUMPING RIVER	121 12.6	IS	3200	21790	82393	63.314	
NW		93	=393.8	379.6	21790	82393		UUUUUUUUU
	OLD SCAB MTN, WA.							
WA6NPS2660	GOOSE PRAIRIE	46 52.9	H	296.0	0	0	21959	UUUUUUU
E 5	YAKIMA BUMPING RIVER	121 16.6	IS	542000	17168	46975	467.47	
NW		71	=300.7	255.7	17168	46975		UUUUUUUUU
	BUMPING LAKE(15)							
WA6NPS0463	HORSESHOE BEND	46 45.9	H	20.0	0	0	1136.2	UUUUUUU
E 5	YAKIMA NACHES RIVER	120 49.8	IS	188	4	41	27117	
NW		642	=849.8	17.9	4	41		UUUUUUUUU
	MILK CANYON, WA.							
WA5NPS0474	KANER FLAT	47 0.0	H	270.0	0	0	8035.5	UUUUUUU
D 5	YAKIMA LITTLE NACHES	121 7.3	IS	192000	64101	117310	68.498	
NW		145	=614.1	304.6	64101	117310		UUUUUUUUU
	EASTON WA(15), CLIFFDELL WA.							
WA7NPP0757	KLICKITAT RESERVOIR	46 21.9	H	242.0	0	0	3677.7	UUUUUUU
D 5	YAKIMA KLICKITAT RIV	121 11.0	IS	163500	4400	19200	191.54	
NW		42	90.0	319.6	4400	19200		UUUUUUUUU
	FAIRVIEW RIDGE/CASTILE FALLS							
WA5NPP0759	LAKES	46 15.9	H	10.0	0	0	1436.1	UNYYYUU
I 2	YAKIMA FISH LAKE STR	121 18.0	IS	1	11000	48100	29.857	
NW		30	105.0	687.3	11000	48100		UUUUNNNNY
	WINDY POINT							

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WA7NPP0760	MCCREEDY CREEK	46 18.9	H	135.0	0	0	2837.6	UUUUUUU
D 5	YAKIMA KLICKITAT RIV	121 15.0	IS	16500	2441	18182	156. 6	
NW		86	185.0	334.6	2441	18182		UUUUUUUUU
	CASTILE FALLS/WINDY POINT							
WAKNPS0482	NACHES DROP	46 43.9	H	0	1400	4	0	UUUUUUU
I 5	YAKIMA NACHES RIVER	120 40.6	OP	0	0	0	0	
NW	PACIFIC PWR AND LT CO	0	=0.1	53.0	1400	4		UUUUUUUUU
WAKNPS0481	NACHES HYDRO.	46 41.9	H	0	6370	33500	0	UUUUUUU
I 5	YAKIMA NACHES R	120 39.0	OP	0	0	0	0	
NW	PACIFIC PWR AND LT CO	930	=1229.4	152.0	6370	33500		UUUUUUUUU
WA5NPS2662	NACHES MEADOWS DIVERSION	47 2.7	H	50.0	0	0	2864.5	NNYYYUU
I 2	YAKIMA LITTLE NACHES	121 11.6	IS	1	12819	57599	49.733	
NW		64	=270.7	422.0	12819	57599		YNNUUUUUY
	EASTON WA(15),CLIFFDELL WA.							
WA6NPS2661	PILEUP CREEK	47 2.5	H	260.0	0	0	10530	UUUUUUU
E 5	YAKIMA LITTLE NACHES	121 10.7	IS	153800	18654	50574	208.22	
NW		79	=334.5	249.7	18654	50574		UUUUUUUUU
	EASTON WA(15)							
WA7NPS0473	PLEASANT VALLEY	46 57.9	H	370.0	0	0	11287	UUUUUUU
E 5	YAKIMA AMERICAN RIVE	121 15.3	IS	465000	30143	169670	66.528	
NW		72	=304.6	882.0	30143	169670		UUUUUUUUU
	BUMPING LAKE WA(15), OLD SCA							
WA7NPS0462	RATTLESNAKE	46 46.0	H	217.0	0	0	6365.8	NNYUYUU
I 6	YAKIMA NACHES RIVER	120 50.1	IS	129400	31288	150836	42.203	
NW		640	=846.0	320.0	31288	150836		YYYUUUUUY
	MILK CANYON WA., TIETON WA.							
WA4NPS0464	ROCK CREEK	46 47.0	H	22.0	0	0	1254.6	UUUUUUU
E 5	YAKIMA NACHES RIVER	120 51.9	IS	1	35	308	4072.8	
NW		600	=1128.2	19.9	35	308		UUUUUUUUU
	MILK CANYON, WA.							
WAHNPS0485	ROZA	46 44.9	HI	67.0	12000	50000	0	UUUUUUU
I 5	YAKIMA YAKIMA	120 27.8	OP	0	0	0	0	
NW	BUREAU OF RECLAMATION	3560	=2484.5	162.0	12000	50000		UUUUUUUUU

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
WA6NPS2659	SCAB CREEK	46 54.0	H	426.0	0	0	30530	UUUUUUU
E 5	YAKIMA BUMPING RIVER	121 14.9	IS	870000	53061	98522	309.88	
NW		88	=372.7	415.5	53061	98522		UUUUUUUUU
	OLD SCAB MTN, WA., BUMPING L							
WA5NPP0761	SODA SPRINGS	46 21.9	H	100.0	0	0	1613.4	UUUUUUU
D 5	YAKIMA DIAMOND FORK	121 11.0	IS	1600	8100	35700	45.194	
NW		38	80.0	669.3	8100	35700		UUUUUUUUU
	FAIRVIEW RIDGE/CASTILE FALLS							
WACNPS0480	TIETON DAM (RIMROCK LAKE)	46 39.4	ICR	192.0	0	0	770.49	UNUUUUU
E 2	YAKIMA TIETON RIVER	121 7.6	OP	236400	8008	37030	20.807	
NW	DOI USBR	187	=514.8	110.8	8008	37030		UUUUUUUUU
	RIMROCK LAKE, WA							
WAONPS0469	TIETON DAM DIVERSION	46 39.3	H	202.0	0	0	4026.7	UNUUUUU
D 2	YAKIMA TIETON RIVER	121 7.7	IS	246200	28100	129900	30.998	
NW	DOI USBR	187	=513.1	400.0	28100	129900		UUUUUUUYY
	RIMROCK LAKE, WA.							
WAKNPS0483	WAPATO DAM=DROP NO. 2	46 26.9	HI	0	2000	0	0	UUUUUUU
I 5	YAKIMA YAKIMA R	120 32.0	OP	0	0	0	0	
NW	BUREAU OF INDIAN AFFAIR	0	=0.0	30.0	2000	0		UUUUUUUUU
	HARRAH, WA							
WAKNPS0484	WAPATO DAM=DROP NO. 3	46 25.4	HI	0	1360	1	0	UUUUUUU
I 5	YAKIMA YAKIMA R	120 33.5	OP	0	0	0	0	
NW	BUREAU OF INDIAN AFFAIR	0	=0.0	34.0	1360	1		UUUUUUUUU
	HARRAH, WA							
WACNPS3120	WENAS LAKE	46 48.8	IR=	43.0	0	0	40.887	UUUUUUU
I 5	YAKIMA WENAS CREEK	120 40.1	OP	1350	10	89	456.91	
NW	WENAS IRRIGATION DIST	110	=54.1	37.9	10	89		UUUUUUUUU
	ELLENSBURG,WA							
WA5NPP0762	WEST FORK NUMBER 1	46 15.0	H	17.0	0	0	2051.3	UNYYYUU
I 2	YAKIMA WEST FORK/KLI	121 15.0	IS	170	20600	90200	22.742	
NW		83	290.0	466.5	20600	90200		UUUUNNNNY
	WINDY POINT/SIGNAL PEAK							
WA5NPP0763	WEST FORK NUMBER 2	46 15.0	H	10.0	0	0	999.30	UUUUUUU
D 5	YAKIMA KLICKITAT RIV	121 15.0	IS	1	2230	14318	69.789	
NW		151	325.0	169.8	2230	14318		UUUUUUUUU
	CASTILE FALLS/SIGNAL PEAK							

WYOMING (WY)

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) / (D M.M) / (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) / (AC FT) / (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) / (KW) / (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) / (MWH) / (MWH)	ANUL. COST / ENERGY COST (1000 $) / (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WYIMR00319	KORTES RESERVOIR	42 10.8	IHR	156.0	36000	113025	215.22	332N2N3
I 5	CARBON NORTH PLATTE	106 53.1	OP	4770	1850	2296	93.727	
RM	DOI USBR	13000	1068.0	142.9	37850	115321		N3333333
WY6SPK0932	SAVERY RESERVOIR	41 6.5	CI	90.0	0	0	1450.1	UUUUUUU
I 5	CARBON SAVERY CREEK	107 7.5	IS	45760	8	69	20872	
NW		190	100.0	67.9	8	69		UUUUUUUUU
	TULLIS QUAD							
WYIMR00320	SEMINOE RESERVOIR	42 9.4	IHR	206.0	32400	111463	3508.6	332N2N3
I 2	CARBON NORTH PLATTE	106 54.4	OP	1011000	11296	60129	58.351	
RM	DOI USBR	11189	1068.0	192.0	145326	171593		N3333333
WYIMR00326	BOYSEN RESERVOIR	43 25.0	ICHR	144.0	15000	88000	477.99	332N2N3
I 5	FREMONT WIND RIVER	108 10.6	OP	1473000	5000	-1610	296.88	
RM	DOI USBR	7700	1346.0	103.9	20000	86390		N3333333
WYCMR00327	BULL LAKE	43 12.6	ICR	73.0	0	0	408.71	332N2N3
I 2	FREMONT BULL LAKE CRE	109 2.4	OP	152500	3272	9180	44.520	
NW	DOI USBR	210	-282.4	64.6	3272	9180		N3333333
WYCMR00328	PILOT BUTTE RESERVOIR	43 11.8	IR	33.0	0	0	506.10	332N2N3
I 2	FREMONT WIND RIVER OF	108 45.2	OP	38500	5000	22000	23. 4	
NW	DOI USBR	2000	-802.7	19.1	5000	22000		N3333333
WYIMR00325	SHOSHONE LAKE RES	42 47.7	I P	0	6012	7290	0	332N2N3
I 5	FREMONT N FORK POPO A	109 1.2	OP	12315	0	0	0	
NW	SHOSHONE LAKE RES CO	9	-935.3	41.0	6012	7290		N3333333
WY6NPW0493	ALPINE	43 10.0	HIR	440.0	0	0	11554	UYYNYUN
I 2	LINCOLN SNAKE RIVER	110 58.0	IS	1078000	347432	830667	13.910	
NW		3486	4915.0	397.0	347432	830667		UUYUNNNUN
WY7NPW0507	BOCO-SPRING CREEK	42 38.2	H	150.0	0	0	2156.4	NUYNYUN
I 5	LINCOLN GREYS RIVER	110 39.9	IS	31500	955	2699	798.96	
NW		38	60.0	799.2	955	2699		UNNUNNNUN
	PRESTON AMS							

SITE ID / DEP / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WY5SPK0950	COKEVILLE POWER PLANT	42 4.9	H	0	0	0	0	UUUUUUU
I 9	LINCOLN BEAR RIVER	110 56.9	IS	0	0	0	0	
NW			439.0	210.0	0	**********		UUUUUUUUU
WY7NPW0506	COTTONWOOD LAKES	42 41.0	H	210.0	0	0	4024.1	NUUNYUN
I 5	LINCOLN SALT RIVER DR	110 56.0	IS	637000	1168	2737	1470.0	
NW		44	60.0	1098.9	1168	2737		UNYUNNNUN
	PRESTON 1:250000.							
WY6NPW0505	CROW CREEK	42 40.0	HI	120.0	0	0	1067.1	NUUNYUN
I 5	LINCOLN CROW AND SALT	111 1.9	IS	32000	2581	8382	127.30	
NW	DOI USBR	148	73.0	105.8	2581	8382		UUNUNNNUN
WY6NPW0492	ELBOW	42 58.0	H	166.0	0	0	2715.3	UUYYYUN
I 5	LINCOLN GREYS RIVER	110 45.0	IS	406000	5592	15651	173.48	
NW		254	360.0	151.7	5592	15651		UYUNNNNUN
WY6NPW0495	FIRE CREEK	43 8.2	H	305.0	0	0	6524.5	UUYNYUN
I 5	LINCOLN GREYS RIVER	110 54.0	IS	142000	74176	84386	77.318	
NW		433	600.0	292.7	74176	84386		UNYUNNNUN
	FERRY PEAK							
WY1SPK0935	FONTENELLE RESERVOIR	42 1.9	HCSRO	0	0	0	0	
4	LINCOLN GREEN RIVER	110 3.9	OP	0	0	0	0	
NW	DOI USBR	4280	1700.0	103.0	0	**********		
WYCSPK0934	KEMMER NO 1 RES	41 56.2	O	31.0	0	0	71. 84	33UU3U3
5	LINCOLN HAMS FORK CRE	110 39.0	OP	1058	123	1074	66.179	
NW	KEMMERER WYO	269	-320.7	22.9	123	1074		3333UUUUU
	KEMMERER QUAD							
WYNNPW0499	LOWER AFTON	42 44.2	H	10.0	0	0	39.938	NNNNNNN
I 5	LINCOLN SWIFT CREEK	110 53.1	IS	90	291	0	0	
NW	LOWER VALLEY P AND L CO.	26	88.0	199.8	291	0		NNNUNNNUN
	PRESTON 1:250000.							
WY6NPW0504	NARROWS	42 50.9	H	360.0	0	0	18256	NUUNYUN
I 5	LINCOLN SALT RIVER	110 58.9	IS	123560	25612	89791	203.31	
NW		541	450.0	346.6	25612	89791		UNYUNNNUN
	PRESTON 1:250000.							

SITE ID / DEP / CODE / POWER AREA	PROJECT NAME / PRIMARY CO. -NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LUNGITUDE / DR.AREA (D M,M) (D M,M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. INC. CAP. / TOT. CAP. (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WY6NPW0496	PORCUPINE CREEK	43 1.3	H	200.0	0	0	3385.2	UUYNYUN
I 5	LINCOLN GREYS RIVER	110 48.2	IS	50000	22397	49040	69. 28	
NW		295	405.0	190.8	22397	49040		UNYUNNNUN
	DEER CREEK							
WY7NPW0494	SQUAW FLAT	43 9.0	H	350.0	0	0	9881.0	UUYNYUN
I 5	LINCOLN GREYS RIVER	111 0.0	IS	168200	6214	22237	444.35	
NW		535	620.0	341.6	6214	22237		UUYUNNNUN
	FERRY PEAK 1:24000.							
WY5NPW0498	STRAWBERRY	42 45.0	H	10.0	1500	5716	0	NNNNNNN
I 5	LINCOLN STRAWBERRY CR	110 50.9	OP	90	0	0	0	
NW	LOWER VALLEY PWR AND LGT	16	-19.8	450.0	1500	5716		NNNUNNNUN
	PRESTON 1:250000.							
WY6NPW0502	UPPER MEADOWS	42 51.9	H	260.0	0	0	6878.4	NUYNYUN
I 5	LINCOLN GREYS RIVER	110 42.2	IS	125000	18459	29144	236. 1	
NW		188	260.0	246.7	18459	29144		UNNUNNNUN
	PRESTON 1:250000.							
WYHNPW0500	UPPER SWIFT	42 44.4	H	10.0	800	2700	0	NNNNNNN
I 5	LINCOLN SWIFT CREEK	110 52.3	OP	90	0	0	0	
NW	LOWER VALLEY P AND L CO.	26	88.0	193.0	800	2700		NNNUNNNUN
	PRESTON 1:250000.							
WYCSPK0933	UTAH POWER + LIGHT CO HAMS F	41 57.8	H S D	79.0	0	0	236.36	33UU3U3
2	LINCOLN HAMS FORK	110 39.4	OP	28415	3142	8681	27.225	
NW	UTAH POWER + LIGHT CO	233	-277.8	58.6	3142	8681		3333UUUUU
	KEMMERER QUAD							
WYIMRU0351	ALCOVA RESERVOIR	42 32.9	IHR	175.0	36000	102167	0	332N2N3
I 5	NATRONA NORTH PLATTE	106 43.0	OP	184500	0	0	0	
RM	DOI USBR	10075	1173.3	169.8	36000	102167		N3333333
WYAMRU0352	GRAY REEF RESERVOIR	42 33.7	IR	30.0	0	0	612.23	332N2N3
I 2	NATRONA NORTH PLATE R	106 41.8	OP	1800	6473	18851	32.476	
RM	DOI USBR	14771	-2221.4	21.6	6473	18851		N3333333
WYIMRU0353	PATHFINDER RESERVOIR	42 28.0	IHR	200.0	48000	154922	4224.9	332N2N3
I 2	NATRONA NORTH PLATTE	106 51.2	OP	1015888	144668	73488	57.490	
RM	DOI USBR	14670	1068.0	189.9	192668	228411		N3333333

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. =NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M.M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M.M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
WYIMR00361	BUFFALO BILL	44 30.0	ICHR	230.0	17012	110000	999.91	332N2N3
I 2	PARK SHOSHONE RIVE	109 30.0	OP	423974	20000	60300	16,582	
NW	DOI USBR	1538	=1199.3	215.5	37012	170300		N3333333
WYIMR00831	HEART MOUNTAIN	44 30.	HI	0	5000	45900	0	332N2N3
I 5	PARK SHOSHONE	109 7.	OP	0	0	0	0	
NW	DOI USBR		0	0	0	0		N3333333
WYIMR00366	GLENDO RESERVOIR	42 29.0	ICHR	170.0	24000	90999	2652.3	332N2N3
I 2	PLATTE NORTH PLATTE	104 56.9	OP	1124000	56460	36778	72,116	
RM	DOI USBR	14330	=1667.3	126.8	80460	127777		N3333333
WYIMR00367	GUERNSEY	42 17.3	IHR	95.0	4800	25952	1257.3	332N2N3
I 2	PLATTE NORTH PLATTE	104 45.7	OP	45200	17398	46559	27. 5	
RM	DOI USBR	15008	=1710.8	82.3	22198	72512		N3333333
WYCSPK0939	BOULDER LAKE RES	42 50.1	ISPRO	23.5	0	0	79,270	33UU3U3
2	SUBLETTE BOULDER CREEK	109 42.3	OP	22280	365	1935	40,959	
NW	BOULDER IRR DIST	94	204.0	129.8	365	1935		3333UUUUU
	BOULDER LAKE QUAD							
WY5SPK0936	BURNT LAKE	42 51.9	HI	0	0	0	0	UUUUUUU
I 9	SUBLETTE FALL CREEK	109 39.0	IS	25000	0	0	0	
NW		39	85.0	627.0	0	**********		U2UUUUUUU
	BOULDER LAKE QUAD							
WY7SPK0937	KENDALL	43 3.9	H	200.0	0	0	5201.8	UUUUUUU
D 5	SUBLETTE GREEN RIVER	110 5.0	IS	810000	6439	21728	239.40	
NW		450	502.0	154.8	6439	21728		UUUUUU4UU
	WARREN BRIDGE QUAD							
WYCSPK0940	NEW FORK LAKE RES	43 5.1	I	21.0	0	0	40,998	33UU3U3
5	SUBLETTE W FORK NEW FO	109 58.0	OP	23830	90	396	103.34	
NW	NEW FORK LAKE IRR DIST	36	80.0	159.8	90	396		3333UUUUU
	NEW FORK LAKES QUAD							
WYHSPK0943	PINEDALE POWER PLANT	42 53.4	H	0	75	652	0	3333333
5	SUBLETTE PINE CREEK	109 50.9	OP	0	0	0	0	
NW	PINEDALE PWR AND LIGHT C	200	=233.3	80.0	75	652		3333UUUUU
	FREMONT LAKE SOUTH QUAD							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) (D M.M) (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) (AC FT) (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW) (KW) (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH) (MWH) (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WYCSPK0946	BIG SANDY RESERVOIR	42 14.8	IR	68.0	0	0	39.934	33UU3U3
5	SWEETWATER BIG SANDY CRE	109 25.6	OP	54400	7	57	689.42	
NW	US = WPRS	439	90.0	64.7	7	57		3333UUUUU
	EDEN RESERVOIR WEST QUAD							
WY5SPK0944	FONTENELLE DS TO UPPER LIMIT	41 29.0	HCSR	10.0	0	0	21959	UUUUUUU
D 5	SWEETWATER GREEN RIVER	109 22.9	IS	0	42777	246568	89. 59	
NW		10000	1724.0	349.6	42777	246568		UUUUUUUUU
	FONTELLE RESERVOIR SE QUAD							
WY5NPW0533	BARLOW PEAK	44 12.0	H	10.0	0	0	398.30	YYYNYUN
I 5	TETON FOX CREEK	110 24.9	IS	90	1100	4231	94.135	
NW		57	95.0	479.5	1180	4231		UNNNNNNUN
	ASHTON AMS.							
WY6NPW0532	BASIN CREEK	44 10.0	H	260.0	0	0	11824	NUYNYUN
I 5	TETON SNAKE RIVER	110 29.2	IS	20400	18954	28758	411.16	
NW		117	190.0	247.7	18954	28758		UNNNNNNUN
	ASHTON AMS							
WY5NPW0512	BEAR CUB PASS	43 50.9	H	10.0	0	0	1138.3	YYYNYUN
I 5	TETON BUFFALO FORK	110 13.9	IS	90	2825	9503	119.78	
NW		126	205.0	799.2	2825	9503		UNNNNNUNU
	ANGLE MTN 1:24000.							
WY7NPW0510	BECHLER MEADOWS-	44 8.2	H	170.0	0	0	3175.1	YYYNYUN
I 5	TETON FALLS	111 0.0	IS	508200	3039	8237	385.46	
NW		261	465.0	154.8	3039	8237		UNNNNNNUN
	ASHTON 1:250000							
WY7NPW0514	BLACK ROCK	43 49.9	H	270.0	0	0	6432.0	YYYNYUN
I 6	TETON BUFFALO FORK	110 20.9	IS	481250	74431	84174	76.413	
NW		378	450.0	256.7	74431	84174		UNNNNNNUN
	ROSIES RIDGE							
WY6NPW0523	CAMP DAVIS	43 18.3	H	110.0	0	0	3259.9	NUYNYUN
I 2	TETON HOBACK RIVER	110 41.0	IS	0	19528	52189	62.464	
NW		570	740.0	96.8	19528	52189		UYYUNNNUN
	CAMP DAVIS 1:24000							
WY5NPW0522	COLONADE	44 13.0	H	10.0	0	0	270.19	YYYNYUN
I 5	TETON BECHLER RIVER	110 58.9	IS	90	402	911	296.42	
NW		25	40.0	799.2	402	911		UNNNNNNUN
	ASHTON AMS							

SITE ID	PROJECT NAME	LATITUDE	PROJ.PURP.	DAM HT	EXIST.CAP.	EXIST.ENRG	ANUL. COST	ENVIRONMENTAL
	PRIMARY CO. NAME OF STREAM	LONGITUDE	STATUS	TOT. STOR	INC. CAP.	INC.ENERGY	ENERGY COST	IMPACT CODE
DEP ACTV	OWNER	DR.AREA	AVE. Q	PWR. HD.	TOT. CAP.	TOT.ENERGY		
CODE INV	MAP REFERENCE	(D M,M)		(FT)	(KW)	(MWH)	(1000 $)	
		(D M,M)		(AC FT)	(KW)	(MWH)	($/MWH)	SOCIAL
POWER AREA		(SQ.MI)	(CFS)	(FT)	(KW)	(MWH)		IMPACT CODE
WY4NPW0509	FLAG RANCH	44 4.1	HR	220.0	0	0	8258.4	YYYNYUN
I 5	TETON SNAKE RIVER	110 41.9	IS	800000	27871	78436	105.28	
NW		465	740.0	196.8	27871	78436		UNNNNNNUN
WY6NPW0508	GRANITE CREEK	43 16.9	H	325.0	0	0	4344.1	NUYNYUN
I 2	TETON HOBACK RIVER	110 33.0	IS	470800	46285	94266	46.83	
NW		456	590.0	314.0	46285	94266		UNYUNNNUN
WY6NPW0534	GRASSY LAKE	44 7.8	I	108.0	0	0	578.55	NUYNYUN
I 5	TETON GRASSY CREEK	110 49.0	OP	16200	145	475	1217.9	
NW	DOI US BR	10	-24.2	100.8	145	475		UNNNNNNUN
	ASHTON, 1:250000.							
WY6NPW0518	JACKSON HOLE	43 24.0	H	610.0	0	0	39894	YYYNNUN
I 6	TETON SNAKE RIVER O	110 45.0	IS	430000	413730	1102909	36.172	
NW		2100	3000.0	596.3	413730	1102909		UYYYNNNUN
	DRIGGS 1:250000.							
WYCNPW0535	JACKSON LAKE	43 51.9	ICR	65.0	0	0	741.70	NNNNNUN
I 2	TETON SNAKE RIVER	110 35.9	OP	624400	10537	27755	26.722	
NW	DOI USBR	1371	-1973.5	30.1	10537	27755		NNNNNNNUY
WY7NPW0528	JOY CREEK	43 51.9	H	260.0	0	0	3550.0	YYYNYUN
I 5	TETON NORTH FORK BU	110 13.9	IS	459500	209	831	4270.0	
NW		40	65.0	246.7	209	831		UNNNNNNUN
	ANGLE MTN 7.5 MIN.							
WY6NPW0519	KERRS RANCH	43 12.0	H	410.0	0	0	11233	
I 5	TETON HOBACK	110 24.0	IS	217000	20488	42258	265.83	
NW		188	242.0	396.6	20488	42258		
	DRIGGS 1:250000.							
WY7NPW0526	KINKY CREEK	43 27.2	H	400.0	0	0	8248.7	NUYNYUN
I 5	TETON GROS VENTRE R	110 9.0	IS	44850	1693	5897	1398.7	
NW		73	60.0	599.4	1693	5897		UYYUNNNUN
	OUZL FALLS 7.5 MIN.							
WY5NPW0530	LEWIS LAKE	44 16.9	H	10.0	0	0	1016.1	YYYNYUN
I 6	TETON LEWIS RIVER	110 38.2	IS	90	4800	15935	63.765	
NW		147	240.0	779.2	4800	15935		UNNNNNNUN
	ASHTONAMS 1:250000.							

SITE ID / DEP ACTV CODE INV / POWER AREA	PROJECT NAME / PRIMARY CO. =NAME OF STREAM / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M,M) (D M,M) (SQ MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR (AC FT) / PWR. HD. (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WY5NPW0529	MORAN BAY	43 51.5	H	10.0	0	0	297.48	YYYNYUN
I 5	TETON MORAN CANYON	110 45.2	IS	90	1749	3894	76,382	
NW		28	50.0	1198.8	1749	3894		UNNNNNNUN
WY5NPW0525	NOWLIN CREEK	43 30.9	H	110.0	0	0	1628.7	YYYNYUN
I 5	TETON FLAT CREEK	110 41.0	IS	67500	421	0	0	
NW		60	46.0	599.4	421	0		UNNNNNNUN
	SHADOW MTN. 7.5 MIN.							
WY5NPW0524	PHELPS LAKE	43 37.3	H	10.0	0	0	287.15	YYYNYUN
I 5	TETON DEATH OPEN GR	110 46.0	IS	90	881	2441	117.59	
NW		24	40.0	1133.8	881	2441		UNNNNNNUN
	GRAND TETON 7.5 MIN.							
WY4NPW0520	RAMSHORN	43 17.3	H	195.0	0	0	3490.2	NUYNYUN
I 2	TETON HOBACK RIVER	110 37.9	IS	19700	24178	64029	54,510	
NW		484	675.0	181.8	24178	64029		UNYNNNNUN
	CAMP DAVIS 1:24000.							
WY5NPW0531	RED CREEK	44 10.0	H	10.0	0	0	437.16	YYYNYUN
I 5	TETON SNAKE RIVER	110 33.9	IS	90	717	2621	166.77	
NW		141	230.0	149.8	717	2621		UNNNNNNUN
	ASHTON AMS							
WY5NPW0516	RED HILLS	43 36.9	H	10.0	0	0	1573.5	YYYNYUN
I 6	TETON GROS VENTRE	110 24.9	IS	90	10203	31171	50.479	
NW		589	470.0	349.6	10203	31171		UNNNNNNUN
	GRIZZIY LAKE 1:24000.							
WY5NPW0517	SLIDE LAKE	43 38.0	H	10.0	0	0	786.24	YYYNYUN
I 2	TETON GROS VENTRE	110 35.2	IS	90	3466	11985	65,600	
NW		614	490.0	349.6	3466	11985		UNNNNNNUN
	SHADOW MTN 1:24000.							
WY5NPW0513	SPREAD CREEK	43 45.0	H	10.0	0	0	495.87	YYYNYUN
I 5	TETON SPREAD CREEK	110 39.0	IS	90	1105	3550	139.67	
NW		95	160.0	549.4	1105	3550		UYYYNNNUN
	DRIGGS 1:250000.							
WY6NPW0521	TETON CREEK C-C	43 45.3	HI	90.0	0	0	532.53	NUYNYUN
I 5	TETON TETON CREEK	110 56.9	SA	8400	565	1882	282.84	
NW		33	95.0	76.9	565	1882		UUYUNNNUN
	GRANITE BASIN 7.5 MIN.							

SITE ID / DEP CODE / POWER AREA	PROJECT NAME / PRIMARY CO. / OWNER / MAP REFERENCE	LATITUDE / LONGITUDE / DR.AREA (D M.M) / (SQ.MI)	PROJ.PURP. / STATUS / AVE. Q (CFS)	DAM HT / TOT. STOR / PWR. HD. (FT) / (AC FT) / (FT)	EXIST.CAP. / INC. CAP. / TOT. CAP. (KW)	EXIST.ENRG / INC.ENERGY / TOT.ENERGY (MWH)	ANUL. COST / ENERGY COST (1000 $) / ($/MWH)	ENVIRONMENTAL IMPACT CODE / SOCIAL IMPACT CODE
WY7NPW0515	UPPER COTTONWOOD	43 32.9	H	213.0	0	0	6487.2	NUYNYUN
I 5	TETON GROS VENTRE	110 16.9	IS	33500	2039	7114	911.82	
NW		390	310.0	196.8	2039	7114		UUUUNNNUN
	DRIGGS 1:250000.							
WY7NPW0511	WHETSTONE CREEK	43 57.0	H	150.0	0	0	2419.9	YYYNYUN
I 5	TETON PACIFIC CREEK	110 26.0	IS	79100	939	2690	899.50	
NW		127	200.0	399.6	939	2690		UNNNNNUNU
	WHETSTONE MTN.							
WYCSPK1327	MEEKS CABIN RESERVOIR	41 1.5	IOR	185.0	0	0	254.35	33UU3U3
2	UINTA BLACKS FORK R	110 34.7	OP	33420	2321	7857	32.368	
NW	US - WPRS	152	161.0	139.8	2321	7857		3333UUUUU
	MEEKS CABIN RESERVOIR QUAD							
WYCSPK0949	WOODRUFF NARROWS RES	41 30.3	I S P	59.0	0	0	39.125	33UU3U3
5	UINTA BEAR RIVER	111 0.8	OP	35500	7	60	651.31	
NW	WOODRUFF NARROWS RES CU	784	250.0	40.9	7	60		3333UUUUU
	WOUDRUFF NARROWS QUAD							

NUMBER OF SITES SATISFYING CONSTRAINTS = 2538

Appendix C

Glossary

Abbreviations

British thermal units	Btu	kilowatt	kW
dollars	$	kilowatt-hours	kWhr
gigawatt	GW	megawatt	MW
gigawatt-hours	GWhr	megawatt-hours	MWhr

AVERAGE LOAD-the hypothetical constant load over a specified time period that would produce the same energy as the actual load would produce for the same period.

BENEFIT-COST RATIO (B/C)-the ratio of the present value of the benefit stream to the present value of the project cost stream computed for comparable price level assumptions.

BENEFITS (ECONOMIC)-the increase in economic value produced by a project, typically represented as a time stream of value produced by the generation of hydroelectric power.

BRITISH THERMAL UNIT (Btu)-the quantity of heat energy required to raise the temperature of 1 pound of water degree Fahrenheit, at sea level.

BUS-an electrical conductor which serves as a common connection for two or more electrical circuits. A bus may be in the form of rigid bars, either circular or rectangular in cross sections, or in form of stranded-conductor overhead cables held under tension.

BUSBAR-an electrical conductor in the form of rigid bars, located in switchyard or powerplants, serving as a common connection for two or more electrical circuits.

CAPACITY-the maximum power output or load for which a turbine-generator, station, or system is rated.

CAPACITY VALUE-that part of the market value of electric power which is assigned to dependable capacity.

COSTS (ECONOMIC)-the stream of value required to produce the project output. In hydro projects this is often limited to the management and construction cost required to develop the powerplant, and the administration, operations, maintenance and replacement costs required to continue the powerplant in service.

CRITICAL STREAMFLOW-the amount of streamflow available for hydroelectric power generation during the most adverse streamflow period.

DEMAND-see LOAD.

DEPENDABLE CAPACITY-the load carrying ability of a hydropower plant under adverse hydrologic conditions for the time interval and period specified of a particular system load.

DIVERSION-the removal of streamflow from its normal water source such as diverting flow from a river for purposes such as power generation or irrigation.

DRAFT TUBE-that section of the turbine water passage which extends from the discharge side of the turbine runner to the downstream extremity of the powerhouse structure.

ENERGY-the capacity for performing work. The electrical energy term generally used is kilowatt-hours and represents power (kilowatts) operating for some time period (hours).

ENERGY VALUE-that part of the market value of electric power which is assigned to energy generated.

FEASIBILITY STUDY-an investigation performed to formulate a hydropower project and definitively assess its desirability for implementation.

FEDERAL ENERGY REGULATORY COMMISSION (FERC)-an agency in the Department of Energy which licenses non-Federal hydropower projects and regulates interstate transfer of electric energy. Formerly the Federal Power Commission (FPC).

FIRM ENERGY-the energy generation ability of a hydropower plant under adverse hydrologic conditions for the time interval and period specified of a particular system load.

FORCED OUTAGE-the shutting down of a generating unit for emergency reasons.

FORCED OUTAGE RATE-the percent of scheduled generating time a unit is unable to generate because of forced outages due to mechanical, electrical or another failure.

FOREBAY-this generally refers to the reservoir area located immediately upstream of a dam or powerhouse.

FOSSIL FUELS-refers to coal, oil, and natural gas.

GENERATOR-a machine which converts mechanical energy into electric energy.

GIGAWATT (GW)-one million kilowatts.

HEAD, GROSS (H)-the difference in elevation between the headwater surface above and the tailwater surface below a hydroelectric powerplant, under specified conditions.

HORSEPOWER-mechanical energy equivalent to 550 ft. lbs. per second of work.

HYDROELECTRIC PLANT OR HYDROPOWER PLANT-an electric power plant in which the turbine-generators are driven by falling water.

IMPOUNDMENTS-bodies of water created by erecting a barrier to flow such as dams and diversion structures.

INSTALLED CAPACITY-the total of the capacities shown on the nameplates of the generating units in a hydropower plant.

INTAKE STRUCTURE-a concrete structure arranged to control the flow of water from a reservoir to the ultimate point of use. This structure usually contains either intake gates, or large valves, for regulating the rate of flow and for shutoff purposes.

KILOWATT (kW)-one thousand watts.

KILOWATT-HOUR (kWh)-the amount of electrical energy involved with a one kilowatt demand over a period of one hour. It is equivalent to 3,413 Btu of heat energy.

LOAD-the amount of power needed to be delivered at a given point on an electric system.

LOAD CURVE-a curve showing power (kilowatts) supplied, plotted against time of occurrence, and illustrating the varying magnitude of the load during the period covered.

LOAD FACTOR-the ratio of the average load during a designated period to the peak or maximum load occurring in that period.

LOW HEAD HYDROPOWER-hydropower that operates with a head of 20 meters (66 feet) or less.

MEGAWATT (MW)-one thousand kilowatts.

MEGAWATT-HOURS (MWh)-one thousand kilowatt-hours.

MULTIPURPOSE RIVER BASIN PROGRAM-programs for the development of rivers with dams and related structures which serve more than one purpose, such as - hydroelectric power, irrigation, water supply, water quality control, and fish and wildlife enhancement.

NUCLEAR POWER-power released from the heat of nuclear reactions, which is converted to electric power by a turbine-generator unit.

OPERATING POLICY (Operating Rule Curves)-the technical operating guide adopted for water resources projects to assure that authorized output of the project is achieved. Usually in the form of charts and graphs of reservoir release rates for various operational situations.

OUTAGE-the period in which a generating unit, transmission line, or other facility, is out of service.

PEAK LOAD-the maximum load in a stated period of time.

PEAKING CAPACITY-the part of a system's capacity which is operated during the hours of highest power demand.

PENSTOCK-a large water conduit which is subjected to high internal pressure and is fully self-supporting.

PLANT FACTOR-ratio of the average load to the installed capacity of the plant, expressed as an annual percentage.

PONDAGE-the amount of water stored behind a hydroelectric dam of relatively small storage capacity used for daily or weekly regulation of the flow of a river.

POWER (ELECTRIC)-the rate of generation or use of electric energy, usually measured in kilowatts.

POWER POOL-two or more electric systems which are interconnected and coordinated to a greater or lesser degree to supply, in the most economical manner, electric power for their combined loads.

PUMPED STORAGE-an arrangement whereby electric power is generated during peak load periods by using water previously pumped into a storage reservoir during off-peak periods.

REALLOCATION-the concept of changing the existing distribution in use of reservoir storage space to a new distribution. Reallocation of flood control storage to power storage would reduce reservoir storage space reserved for temporary storage of flood water and increase the conservation storage available for power operation.

RECONNAISSANCE STUDY-a preliminary feasibility study designed to ascertain whether a feasibility study is warranted.

REVERSIBLE PUMP TURBINE-a Francis type hydraulic turbine which is designed to operate a pump in one direction of rotation, and as a turbine in the opposite direction of rotation. Good efficiencies can be achieved with both modes of operation.

RUNNER BLADES-the propeller like vanes of a hydraulic turbine which convert the kinetic energy of the water into mechanical power.

SECONDARY ENERGY-all hydroelectric energy other than FIRM ENERGY.

SPINNING RESERVE-generating units operating at no load or at partial load with excess capacity readily available to support additional load.

STEAM-ELECTRIC PLANT-a plant in which the prime movers (turbines) connected to the generators are driven by steam.

SURPLUS POWER-generating capacity which is not needed on system at the time it is available.

SYSTEM, ELECTRIC-the physically connected generation, transmission, distribution, and other faciltiies operated as an integral unit under one control, management or operating supervision.

TAILWATER LEVEL-the water level measured in the tailrace area immediately downstream from a hydro plant.

THERMAL PLANT-a generating plant which uses heat to produce electricity. Such plants may burn coal, gas, oil, or use nuclear energy to produce thermal energy.

TRANSMISSION-the act or process of transporting electric energy in bulk.

TURBINE-the part of a generating unit which is spun by the force of water or steam to drive an electric generator. The turbine usually consists of a series of curved vanes or blades on a central spindle.

Impulse Turbines-an impulse turbine is one having one or more free jets discharging into an aerated space and impinging on the buckets of the runner, means of controlling the rate of flow, a housing and a discharge passage. The water supplies energy to the runner in kinetic form.

Reaction Turbine-a reaction turbine is one having a water supply case, a mechanism for controlling the quantity of water and for distributing it equally over the entire runner intake, and a draft tube. The water supplies energy to the runner in kinetic form.

Francis Turbine-a reaction turbine having a runner with a large number of fixed buckets, usually nine or more, to which the water is supplied in a whirling radial direction and can be designed for operating heads ranging from 50 feet to 2,000 feet.

Adjustable-Blade Propeller Turbine (KAPLAN)-a reaction turbine having a runner with a small number of blades, usually four to eight, to which the water is supplied in a whirling axial direction. The blades are angularly adjustable in the hub.

Fixed-Blade Propeller Turbine-a reaction turbine having a runner with a small number of blades, usually four to eight, to which the water is supplied in a whirling axial direction. The blades are rigidly fastened to the hub.

UNIT EFFICIENCY-the combined overall efficiency of a hydraulic turbine and its driven generator.

UPRATING-increasing the generating capacity of a hydropower plant by either replacing existing equipment with new equipment or making improvements to the existing equipment.

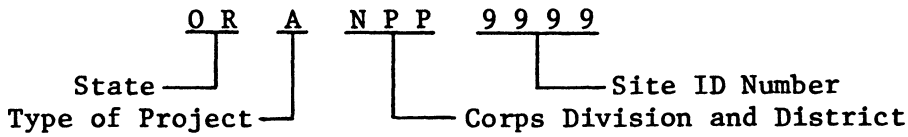
WATT-the rate of energy transfer equivalent to one ampere under a pressure of one volt at unity power factor.

WHEELING-transportation of electricity by a utility over its lines for another utility; also includes the receipt from and delivery to another system of like amounts but not necessarily the same energy.

NHS MAPS

Three maps are inserted into the adjacent pocket. One is an index map, the other two are site location maps. The primary purpose of the index map is to show the National Electric Reliability Council (NERC) regions, the Corps of Engineers division and district boundaries, and Corps office locations. A separate regional report and accompanying site location map has been prepared for each of the NERC regions depicted on the index map.

The second two maps show existing and potential hydroelectric site locations for the subject region and are intended to provide general information to the reader about the sites. The size of a project is depicted by the diameter of the circle and the type of project by color. Each site symbol on the map is labeled with a four digit number which corresponds to a ten character National Hydrelectric Power Resources Study site identification code. Each part of the 10 character ID code helps to narrow down the source of information for that site. For example, a typical site identification code is shown below:



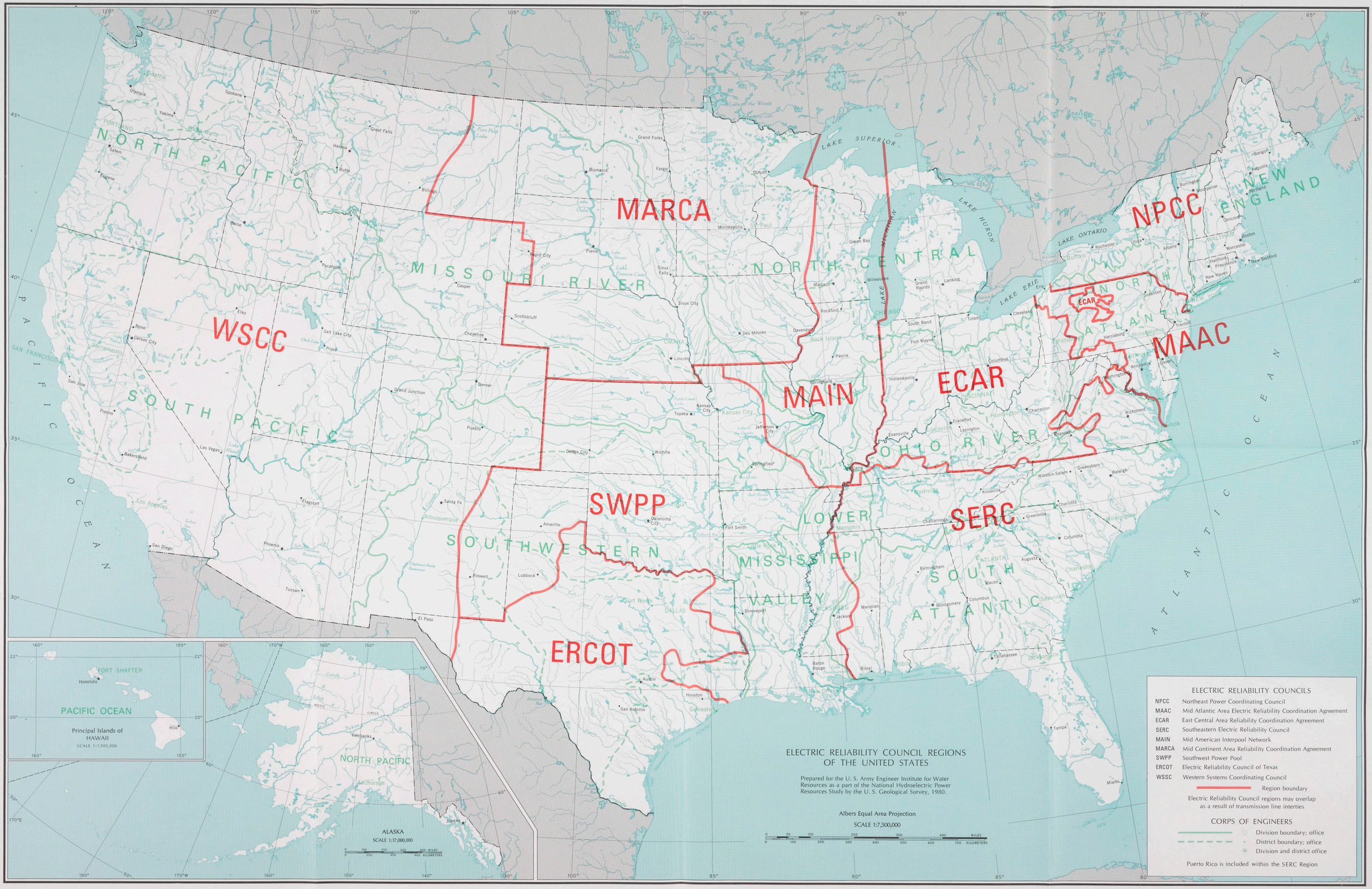
Consequently, for more information about a site, one needs to determine from the map a site's state and county, the Corps division and district, and the four digit number. With the site ID number, the site can then be located in the list of sites in the regional report or in Volume XII of the NHS final report. If more detailed information is desired, the appropriate Corps division and/or district office may be contacted.

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NATIONAL HYDROELECTRIC POWER RESOURCES STUDY

INDEX TO NATIONAL ELECTRIC RELIABILITY COUNCIL REGIONS

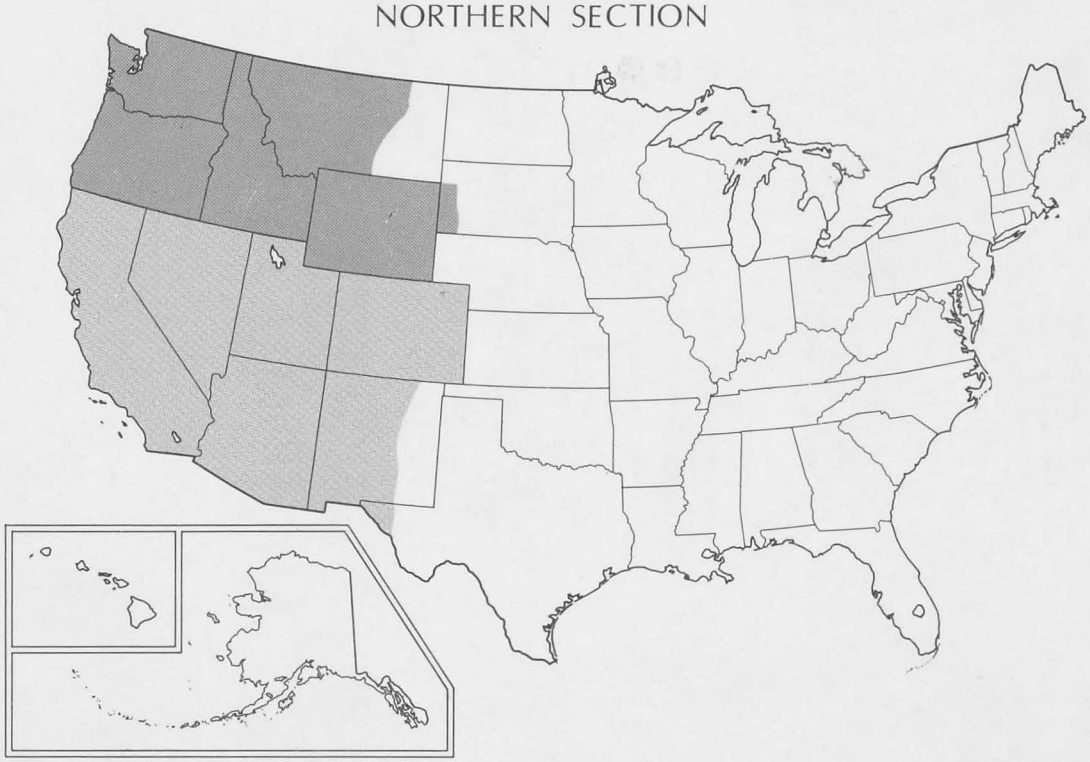


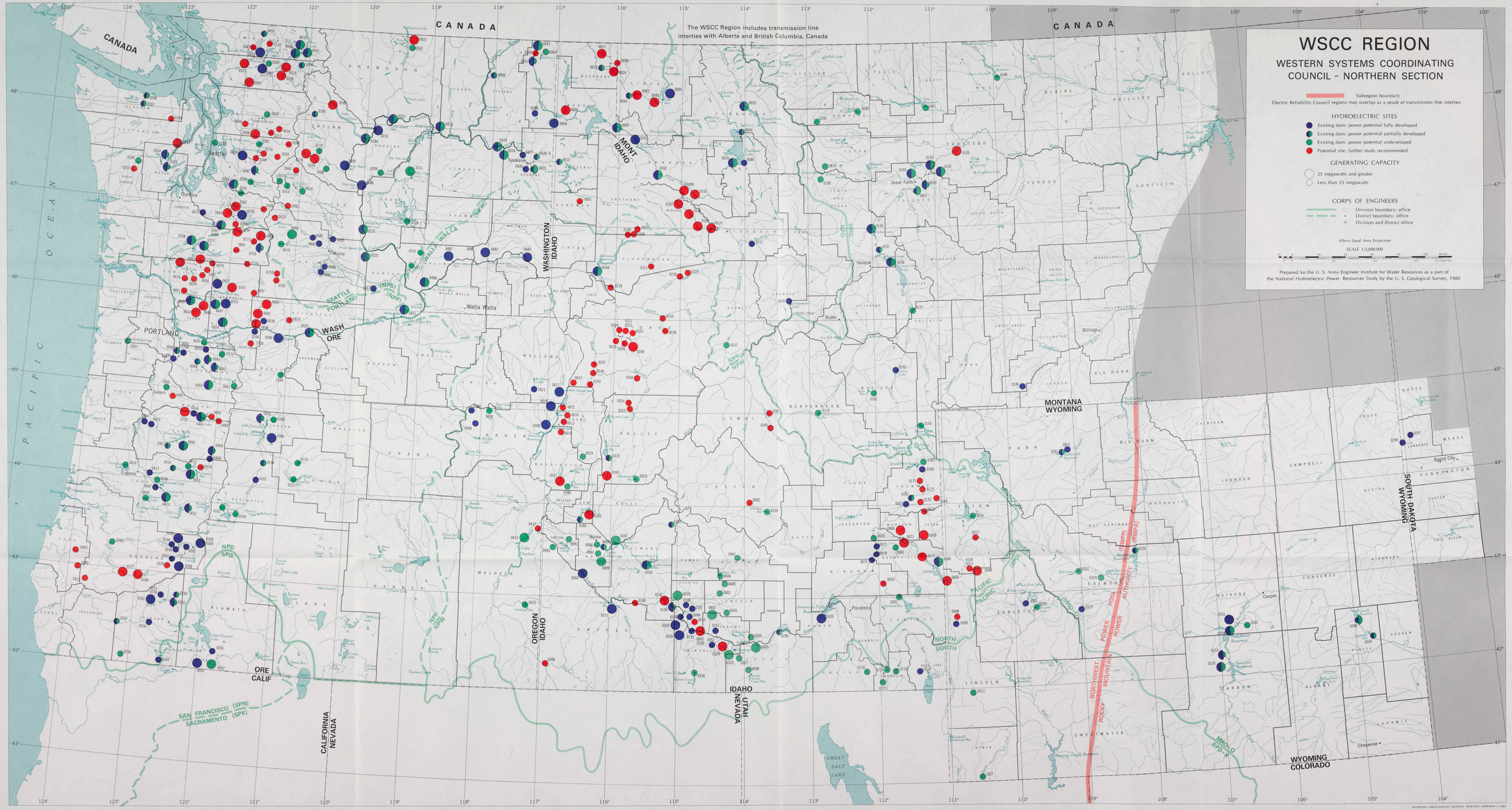
INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1981

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NATIONAL HYDROELECTRIC POWER RESOURCES STUDY

WESTERN SYSTEMS COORDINATING COUNCIL (WSCC) NORTHERN SECTION




WSCC REGION
WESTERN SYSTEMS COORDINATING COUNCIL – NORTHERN SECTION
The WSCC Region includes transmission line interties with Alberta and British Columbia, Canada
Subregion boundary
Electric Reliability Council regions may overlap as a result of transmission line interties
HYDROELECTRIC SITES
Existing dam: power potential fully developed
Existing dam: power potential partially developed
Existing dam: power potential undeveloped
Potential site: further study recommended
GENERATING CAPACITY
25 megawatts and greater
Less than 25 megawatts
CORPS OF ENGINEERS
Division boundary; office
District boundary; office
Division and district office
Albers Equal Area Projection
SCALE 1:2,000,000
Prepared for the U. S. Army Engineer Institute for Water Resources as a part of the National Hydroelectric Power Resources Study by the U. S. Geological Survey, 1980
CANADA
PACIFIC OCEAN
Seattle
Olympia
Spokane
Yakima
Walla Walla
PORTLAND
Salem
Eugene
Boise
Pocatello
Helena
Great Falls
Butte
Billings
Casper
Rapid City
Cheyenne
Seattle
Portland
Spokane
Boise
Helena
Butte
Billings
Casper
Cheyenne
Rapid City
WASH
ORE
ORE
CALIF
OREGON
IDAHO
IDAHO
NEVADA
UTAH
CALIFORNIA
NEVADA
WASHINGTON
IDAHO
MONT
IDAHO
MONTANA
WYOMING
SOUTH DAKOTA
WYOMING
WYOMING
COLORADO
NPD
SPD
SEATTLE
PORTLAND
(NRS)
(NPP)
WALLA WALLA
(NWW)
NPC
NPW
NPP
NPW
SAN FRANCISCO (SPN)
SACRAMENTO (SPK)
MISSOURI
RIVER
(WPP)
(WMPA)
PACIFIC
PACIFIC
NORTH
SOUTH
WYOMO
(WMPA)
NORTHWEST
POWER
POOL
MOUNTAIN
POWER
ROCKY
MOUNTAIN
POWER
AUTHORITY
MRDO
SPD
GREAT
SALT
LAKE
INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1982

V, XXII

NATIONAL HYDROELECTRIC POWER RESOURCES STUDY

WESTERN SYSTEMS COORDINATING COUNCIL (WSCC) SOUTHERN SECTION



WSCC REGION

WESTERN SYSTEMS COORDINATING COUNCIL - SOUTHERN SECTION

Subregion boundary

Electric Reliability Council regions may overlap as a result of transmission line interties

HYDROELECTRIC SITES

- Existing dam: power potential fully developed
- Existing dam: power potential partially developed
- Existing dam: power potential undeveloped
- Potential site: further study recommended

GENERATING CAPACITY

- 25 megawatts and greater
- Less than 25 megawatts

CORPS OF ENGINEERS

- Division boundary; office
- District boundary; office
- Division and district office

Albers Equal Area Projection

SCALE 1:2,000,000

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