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REGIONAL ASSESSMENT PROGRAM

Organizations Influencing Northwest Energy Policy and Management

August 1977

Battelle
Pacific Northwest Laboratories

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Organizations Influencing Northwest Energy Policy and Management

G. L. Wilfert

August 1977

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Richland, Washington 99352**

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INTRODUCTION

In conducting energy studies relating to the Northwest over the last several years, we have contacted many of the organizations which influence energy policy and utilization. The number of energy-related organizations at the national, regional, and state level that may participate formally or informally in Northwest energy policy and management is large and continually evolving. Because of the rapid expansion of interest and involvement of organizations in energy planning and policy making, this document may not identify all entities who deserve mention, and for this we apologize. In some cases, a reorganization of energy related government agencies has been proposed but not officially carried out at the time this document was prepared (June-July, 1977). For example, the Federal Department of Energy will include the Energy Research and Development Administration, the Federal Energy Administration, parts of the Department of the Interior, and part or all of other Federal agencies. However, the DOE is not formally staffed at this time.

The demand for people with energy expertise is large and organizational staff sizes are changing rapidly. Although the information for the document was collected during mid-1977, some changes may have already taken place by the time this document is printed. Still, we feel identifying energy-related entities by address, telephone number, and names of key personnel will be useful to anyone following or gathering information concerning energy in the Northwest.

NATIONAL ENERGY-RELATED ORGANIZATIONS

The material presented in this chapter addresses those organizations and entities that are national in scope and/or have influence at the national level. Agencies and organizations that are operating or are more directly influencing at the regional (multi-state) level and the state level are presented in the following chapters. The national energy related organizations are grouped under three broad headings: Federal Government Entities, National Private Organizations, and Major National Citizen Organizations.

The general format to be followed in this chapter is to (1) briefly describe for the first two groups the energy related area within which the organization operates, (2) provide the organization's address, telephone number and key personnel, and (3) where there are geographic boundaries involved, provide an information map.

FEDERAL GOVERNMENT ENTITIES

The Executive Branch of government encompasses a number of operations both within the cabinet level departments and as agencies which are directly responsible for some aspect of Federal energy policy. Identified below are some of the more apparent organizations. There may be many others that set energy policy which may influence energy demand and/or energy production. In fact, there may be others which manage energy resources or facilities. We have, however, attempted to identify the major actors.

Executive Office of the President Central Intelligence Agency

The Central Intelligence Agency conducts economic research on foreign developments and consumption by country of such energy sources as petroleum, petroleum products, coal, natural gas, nuclear power and electricity.

Central Intelligence Agency
Washington, DC 20505

Telephone: (202) 351-1100

Admiral Stansfield Turner, Director

Council of Economic Advisors

The Council of Economic Advisors advises the President on broad economic matters, including energy-related issues when relevant; examines the economic aspects and effects of federal government energy policies and activities; and conducts economic research (for in-house purposes only) on the energy industry as part of a general evaluation of the U.S. economy.

Council of Economic Advisors
Old Executive Office Building
17th and Pennsylvania Avenues, N.W.
Washington, DC 20506

Telephone: (202) 395-5084

Charles L. Schultze, Chairman

Council on Environmental Quality

The Council on Environmental Quality advises the President on energy-related environmental issues; monitors and coordinates environmental assessments and regulatory authorities regarding energy-related activities in the Federal government; evaluates and determines priorities of energy requirements in the U.S. as opposed to certain environmental regulations which restrict complete energy resource development; develops and operates MERES (Matrix of Environmental Residuals for Energy Systems), a

computerized data base which examines the air pollution, water pollution, solid waste, land use and occupational health effects of existing and future energy systems; conducts studies on the environmental and energy conservation aspects of Federal energy research and development and emerging energy technologies, petroleum and natural gas production in the Gulf of Alaska and Outer Continental Shelf lands, offshore nuclear power facilities, electric generating plants, and the development of coal and oil shale resources throughout the U.S.; examines the environmental impact of advanced energy source development, including solar, wind, geothermal and ocean related energy; and prepares reports on the above topics for Congress, the President, federal agencies and the public.

Council on Environmental Quality
722 Jackson Place, N.W.
New Executive Office Building
Washington, DC 20006

Telephone: (202) 633-7005

Charles Warren, Chairman

Office of Management and Budget

Within the Office of Management and Budget there are a number of components headed by associate directors. The component most closely related to energy policy is headed by the Associate Director for Natural Resources, Energy and Science. The associate director assists the Director of the Office of Management and Budget, in his advisory capacity to the President, with information and evaluations of Federal energy policies and federal budget expenditures for energy program activities; and directs and coordinates the functions performed by the following three divisions:

Science, Space and Energy Technology

This division coordinates and integrates Federal energy research and development efforts and reviews and analyzes the programs, budgets, legislation and management in the Energy Research and Development Administration and the Nuclear Regulatory Commission.

Natural Resources Division

This division examines budget requests, programs, operating methods and legislative proposals of the Department of the Interior excluding Bureau of Mines programs, the Environmental Protection Agency, the civil functions of the Corps of Engineers, Tennessee Valley Authority, and other related agencies; and reviews Federal public works projects in the water resources area prior to their transmittal to the Congress for authorization.

Energy and Food Division

This division reviews and analyzes programs, budgets and legislative proposals affecting the Federal Energy Administration, the Bureau of Mines in the Department of the Interior, the Federal Power Commission, the Farm Credit Administration, the Commodity Futures Trading Corporation, and the Department of Agriculture; coordinates and integrates overall energy policy review, analysis and development activities; ensures that OMB units with specialized energy responsibilities are advised of overall energy policy-making developments; and acts as liaison with the Energy Resources Council.

Office of Management and Budget
17th Street and Pennsylvania Avenue, N.W.
Washington, DC 20503

Telephone: (202) 395-5044

Bert Lance, Director

Eliot Cutler, Associate Director, Natural Resources, Energy and Science
Hugh Loweth, Deputy Associate Director, Energy and Science - 395-3404

Departments

Department of Agriculture

The Department functions in a number of areas which are energy related. The most closely related areas are: Agricultural Research Service, Cooperative State Research Service; Forest Service; Economic Research Service; the Statistical Reporting Service; and Rural Electrification Administration.

Department of Agriculture
14th Street and Independence Avenue, S.W.
Washington, DC 20250

Telephone: (202) 447-2791

Robert Bergland, Secretary - 447-3631

Agricultural Research Service

The Service conducts research on solar energy in agriculture, examines petroleum based fertilizers to determine those which are least energy intensive yet produce an optimum agricultural output, examines the feasibility of using wind energy systems for power in rural areas, studies bioconversion to utilize crop waste as energy sources, and designs improved solid fuel heating systems such as fireplaces and stoves to increase use of wood and other solid fuels.

T.W. Edminster, Administrator - (202) 447-3656

Cooperative State Research Service

The Service approves and provides Federal funds (passed through from FEA and ERDA) for energy related research projects developed by State Agricultural Experiment Stations and selected universities. Among the energy related studies conducted are studies evaluating geothermal energy usage in such areas as crop drying and greenhouse heating, and the potential for and

economic feasibility of synthetic fuels processed through bioconversion of agricultural waste.

Richard J. Alrich, Administrator - (202) 447-4423

Forest Service

The Forest Service provides permits and easements for portions of electric transmission lines which are in National Forest lands, and assesses the amount and value of energy resources on National Forest lands.

John McGuire, Chief - (202) 447-6661

Economic Research Service

The Service analyzes the amount of energy used for chemical fertilizers and pesticides and consumed by farm machinery, conducts studies on agricultural fuel consumption, by state, and fuel distribution systems in rural areas, and collects information on the amount of energy used, by type, in irrigated agriculture.

Dr. Quentin West, Administrator - (202) 447-8104

Rural Electrification Administration

The Administration offers loans to nonprofit and cooperative associations to finance the construction and operation of generation plants, transmission and distribution lines or systems for the purpose of providing initial and continued electric service to rural areas. The Administration also aids in assessing the electrical needs in rural farming areas and environmental impact statements for REA financed electrical development projects.

David Hamil, Administrator - (202) 447-5123

Department of Commerce

The Department of Commerce serves and promotes the nation's economic development and technological advancement. The following components are reported on here: Office of Energy Programs; Office of Energy Related Inventions; Office of Energy Conservation; Electricity Division; Office of Policy and Plans; and Office of Coastal Zone Management.

Department of Commerce
14th Street and Constitution Avenue, N.W.
Washington, D.C. 20230

Telephone: (202) 377-2000

Juanita M. Kreps, Secretary - 377-2113

Office of Energy Programs

This Office coordinates and supervises two component divisions: the Division of Energy Resources which provides internal policy guidance and staff support; and the Division of Industry Programs which develops and promotes external energy conservation and management programs.

Orcutt P. Drury, (Acting) Director - (202) 377-4363

Office of Energy Related Inventions

This Office assists ERDA in evaluating nonnuclear energy related inventions (with emphasis on those submitted by individuals and small companies) to determine, through the following program duties, which should receive financial assistance from ERDA in the form of direct federal grants: processing material and correspondence describing inventions; conducting analyses to ascertain the inventions' technical feasibility, functions and commercial feasibility on the open market; and preparing recommendations, based on the testing, for review by ERDA.

George Lewett, Chief - (202) 921-3694

Energy Conservation Program

The Office of Energy Conservation provides program management within the National Bureau of Standards for research and technical studies and activities in the field of energy conservation, including the areas of buildings, community services, industry and consumer products; assists the Federal Energy Administration and the General Services Administration with technical and management support for energy conservation and efficiency projects and research; conducts design, analysis and demonstration activities for the Department of Housing and Urban Development centered on the development and feasible use of Modular Integrated Utility Systems which combine electrical, thermal, solid waste management and wastewater management community services; manages NBS efforts to create conceptual models and a research data base necessary for the development of energy conservation performance standards, including those for building components and design guidelines; conducts industrial energy conservation and efficiency programs on such topics as technical assistance and analysis of industrial process energy consumption, industrial energy management, establishment of a data base for combustion modeling and the energy conservation potential for selected industries; and assists in the dissemination of information from these studies and projects.

Dr. Jack Snell, Manager - (202) 921-3235

Electricity Division

The Electricity Division includes designing a new system for calibration of watthour meter standards (for electrical utilities and manufacturers) to serve as a basis for all revenue metering.

Dr. Barry Taylor, Chief - (202) 921-2702

Office of Policy and Plans

The Office provides informational and policy support to the Administration along with program expertise and emergency planning in the areas of fuels and energy.

Russell Stryker, (Acting) Director - (202) 377-5515

Office of Coastal Zone Management

The Office of Coastal Zone Management includes planning and managing, through State Coastal Zone Management Offices, outer continental shelf fossil resource exploration and production, including such aspects as on-shore refinery and support facilities, deep water ports and environmental impact assessments, as well as assisting in the siting process of offshore nuclear power plants.

Robert Knecht, (Acting) Associate Administrator - (202) 634-4232

Department of Defense

Department of the Army: Corps of Engineers

The U.S. Army Corps of Engineers is one of the major water resources development agencies of the federal government. While the Corps' primary responsibility relates to navigation and flood control, under the multiple purpose concept of water resource development its projects are designed to serve as many additional functions as practicable. In the Northwest one of the most important of these additional functions is hydroelectric power. The Corps is the largest single operator of electrical generating facilities in the region.

North Pacific Division
Corps of Engineers
210 Custom House
Portland, Oregon 97209

Telephone: (503) 221-3700

Maj. General Wesley E. Peel, Division Engineer

Alaska District
Corps of Engineers
P.O. Box 7002
Anchorage, Alaska 99510

Telephone: (907) 752-2605

Col. George R. Robertson, District Engineer

Portland District
Corps of Engineers
2850 S.E. 82nd Avenue Mail: P.O. Box 2946
Portland, Oregon 97266 Portland, Oregon 97208

Telephone: (503) 221-6000

Col. Harvey L. Arnold, Jr., District Engineer

Seattle District
Corps of Engineers
1519 Alaskan Way South
Seattle, Washington 98134

Telephone: (206) 764-3690

Col. John A. Poteat, Jr., District Engineer

Walla Walla District
Corps of Engineers
Building 602, City-County Airport
Walla Walla, Washington 99362

Telephone: (509) 525-5500

Col. Christopher J. Allaire, District Engineer

Department of Health, Education and Welfare

The Department of Health, Education and Welfare contains the National Institute for Occupational Safety and Health, and the National Institute of Environmental Health Science, both of which have responsibilities that are energy related.

Department of Health, Education and Welfare
330 Independence Avenue, S.W.
Washington, DC 20201

Telephone: (202) 245-6296
Joseph Califano, Secretary

National Institute for Occupational Safety and Health

The responsibilities and activities of this institute include: conducting a research program, with the following objectives, to identify and prevent, through the development and implementation of occupational health standards and control technology, potential community and worker health problems caused by energy technologies: (1) identification of hazardous properties of energy technologies; (2) evaluation of the occupational hazards of energy extraction, processing, utilization or conservation; (3) development of measurement and monitoring instrumentation for the characterization of these hazards (the four part program is being conducted on a regional laboratory research basis and enhanced and coordinated by the main institute in Maryland).

National Institute for Occupational Safety and Health
12420 Parklawn Drive
Rockville, Maryland 20852

Telephone: (301) 443-1646
Dr. John Finklea, Director - 443-1530

National Institute of Environmental Health Science

The Institute is developing a scientific base which will enable the identification and eventual prediction of energy related health hazards and analyzing the actions of these energy related hazardous substances on biological systems through the following research program areas: examining biological damage caused by energy related hazardous (E-RH) materials; testing the effects of E-RH agents on the biological system from intake to disposal; developing quicker effective tests for the actions of E-RH agents on the genetic and reproductive systems; and determining health problems resulting from long term exposure to E-RH substances.

National Institute of Environmental Health Sciences
P.O. Box 12233
Research Triangle Park
North Carolina 27709

Telephone: (919) 511-3201

Dr. David P. Rall, Director

Department of the Interior

Over the years the role of the Department of the Interior has evolved into being custodian of the nation's natural resources. The functions carried out that are the most closely related to energy are administration of over 500 million acres of Federal land, the promotion of mine safety and efficiency, the reclamation of arid lands in the West through irrigation, the management of hydroelectric power systems, and the conduct of programs providing services to Indians and Alaska Native people.

Within the Department there is an Assistant Secretary of Energy and Minerals. The Secretary has direct responsibility for the Department's programs associated with mineral data and analysis, generation, transmission and marketing of electric power except for those functions performed in the Bureau of Reclamation (which are under the Assistant Secretary, Land and Water Resources within the Department), mine health, safety and training programs, topographic, geologic and mineral resource matters, energy, metallurgical and mining research and development, and emergency preparedness and national disaster energy and mineral functions.

The Assistant Secretary, Energy and Minerals exercises secretarial direction and supervision over the Geological Survey, Bureau of Mines, Mining Enforcement and Safety Administration, the Bonneville, Southwestern, Southeastern and Alaska Power Administrations, Office of Coal Research, Office of Research and Development, Defense Electric Power Administration, and the Office of Mineral Policy Development.

Department of the Interior
18th and C Streets, N.W.
Washington, DC 20240

Telephone: (202) 343-6416

Cecil D. Andrus, Secretary - 343-7351

Office of Energy and Minerals

The Office recommends policy options to the Secretary regarding energy and mineral related matters, and reviews and coordinates activities within the U.S. Geological Survey, the Bureau of Mines, the Ocean Mining Administration, the Mining Enforcement and Safety Administration, the Defense Electric Power Administration, and the Alaska, Bonneville, Southeastern and Southwestern Power Administrations.

Joan Davenport, Assistant Secretary - (202) 343-2186

Geological Survey

The broad objectives of the Geological Survey are to perform surveys, investigations and research covering topography, geology and the mineral and water resources of the United States. The Survey also classifies land as to mineral character and water and power resources, enforces departmental regulations applicable to oil, gas and other mining leases, permits, licenses, development contracts, and gas storage contracts, and publishes and disseminates data relative to the foregoing activities.

The Survey classifies Federal lands as to their value for leasable minerals or for reservoir and waterpower sites. It supervises the operations of private industry on geothermal, oil shale, mining and oil and gas leases on public domain, acquired, Indian, Outer Continental Shelf, and certain Naval Petroleum Reserve lands to ensure maximum utilization and prevent waste of the natural resources, and to limit environmental damage and pollution.

The Survey also conducts highly diversified research programs to increase understanding and to aid in management of the mineral and energy potential of the land area of the United States and of the adjacent continental margins. These programs provide basic information on the character, magnitude, location, and distribution of minerals, energy and land resources. Special programs include the investigation and evaluation of geothermal resources.

In addition the Geological Survey determines the source, quantity, quality, distribution, movement and availability of both surface and ground

waters. This work includes investigations of floods and shortages of water supply, the evaluation of available waters in river basins and groundwater provinces, the determination of the chemical and physical quality of water resources and its relationship to various parts of the hydrologic cycle, special hydrologic studies of the interrelations between climate, topography, vegetation, soils and the water supply, research to improve the scientific basis of investigations and techniques and publication of its investigations, scientific and technical assistance in hydrologic fields to other federal agencies and to licensees of the Federal Power Commission, and the coordination of federal water data acquisition activities, through a national water data network.

The Earth Resources Observation Systems (EROS) is a departmental program administered by the Geological Survey for acquiring, processing, distributing, and applying remote sensor data collected from aircraft and spacecraft toward the solution of resources and environmental problems. The EROS Data Center has been established at Sioux Falls, South Dakota, as a focal point for the receipt of spacecraft and aircraft remote sensor data and its dissemination to the users.

U.S. Geological Survey
12201 Sunrise Valley Drive
Reston, Virginia 22092

Telephone: (703) 860-7411

Vincent E. McKelvey, Director

Bureau of Land Management

The Bureau issues energy-related mineral and advanced energy source development leases for Federal lands and the Outer Continental Shelf area, including coal, petroleum, natural gas, oil shale and geothermal energy sources. The Bureau also provides rights-of-way for energy source transportation pipelines across public lands. In addition the Bureau determines the location and assesses the size of energy-related resource reserves on federal lands and the Outer Continental Shelf.

Curt Berklund, Director - (202) 343-3801

Bureau of Mines

The goal of the Bureau of Mines is to stimulate private industry to produce a substantial share of the nation's mineral and fuel needs in ways that best protect the public interest. Applied and basic research are conducted on ways of making the technology for the extraction, processing, use and recycling of the nation's mineral resources, including mineral fuels, available at a reasonable cost without harm to the environment or to workers involved. Specific areas of research include mine health and safety, more productive mining practices, recycling of solid wastes, conversion of coal to cleaner fluid fuels, extraction of minerals from very lean ores, more efficient oil and gas extraction technology, and oil shale processing.

The Bureau of Mines also collects, compiles, analyzes and publishes data on all phases of mineral resource development, including exploration, production, shipment, demand, stock, prices, imports and exports. Special studies are frequently made on subjects of particular national interest, such as the effect of potential economic, technologic or legal developments on resource availability.

Bureau of Mines
2401 E Street, N.W.
Washington, DC 20241

Telephone: (202) 634-1001

Dr. John D. Morgan, (Acting) Director - 634-1300

State Liaison Program Headquarters Office

State Liaison Program Office
U.S. Bureau of Mines
Columbia Plaza Office Building, Rm. 9001
2401 E Street, N.W.
Washington, DC 20241

Telephone: (202) 634-1272

Charles D. Hoyt, (Acting) Chief

Within the Northwest field offices are located in:

Alaska

Alfred L. Service
U.S. Bureau of Mines
Federal Building, Rm. G-81
Anchorage, Alaska 99501
Telephone: (907) 442-0150

Idaho

Dave Lockard
U.S. Bureau of Mines
4620 Overland Road, Rm. 203
Boise, Idaho 83705
Telephone: (208) 364-1084

Oregon

John M. West
U.S. Bureau of Mines
Standard Insurance Building, Suite 7
475 Cottage Street N.W.
Salem, Oregon 97301
Telephone: (503) 399-5755

Rollien R. Wells, Research Director
Albany Metallurgy Research Center
P.O. Box 70
Albany, Oregon 97321
Telephone: (503) 967-5809

Washington

John R. Welch
U.S. Bureau of Mines
Evergreen Plaza Building, Rm. 205
711 S. Capitol Way
Olympia, Washington 98501
Telephone: (206) 753-9445

John W. Corwine, Research Director
Spokane Mining Research Center
East 315 Montgomery Avenue
Spokane, Washington 99207
Telephone: (509) 484-1610

FIGURE 1. Bureau of Mines Installations

Bureau of Reclamation

The program of the Bureau of Reclamation is designed to stabilize and promote the growth of local and regional economies through optimum development of water and related land resources throughout the 17 contiguous western states. Reclamation projects provide for some or all of the following concurrent benefits: irrigation water service, municipal and industrial water supply, hydroelectric power generation and transmission, water quality improvement, outdoor recreation, flood control, navigation, river regulation and control, and related uses. Through contractual agreements with project beneficiaries the Bureau arranges for repayment to the government of reimbursable costs incurred in the construction and operation of water resource projects. Most of the Federal investment is repaid to the Treasury by the project beneficiaries, with interest being paid on costs allocated to power and to municipal and industrial water services.

Bureau of Reclamation
Department of the Interior
C and 18th Streets, N.W.
Washington, DC 20240

Telephone: (202) 343-6416

Keith Higginson, Commissioner - 343-4157

Alaska Power Administration

The Alaska Power Administration functions include planning for water, power and related resource development and utilization in Alaska in cooperation with other state, local and Federal entities. Included within their functions is power marketing for Federal hydroelectric projects. Marketing of power from the Eklatna and Snettisham hydroelectric projects and the related transmission systems serving Anchorage and Juneau areas come under the Administration's responsibility. The Administration also assesses the long-range potential of the state's hydro power resources.

FIGURE 2. Bureau of Reclamation Offices
and Regional Boundaries

Alaska Power Administration
Federal Building
P.O. Box 50
Juneau, Alaska 99801
Telephone: (907) 586-7405
Robert J. Cross, Administrator

Bonneville Power Administration

Through a region-wide interconnecting transmission system, the Bonneville Power Administration markets electric power and energy from federal hydroelectric projects in the Pacific Northwest. BPA sells power surplus to the needs of the Pacific Northwest outside the region and participates in other interregional exchanges of power.

BPA conducts power marketing programs to provide the basis for a sound regional economy. The Administration also participates with other governmental agencies and nonfederal groups in planning for the orderly development of the region's potential electric energy resources--hydro and thermal--to meet long term power needs, and in the development and implementation of operating agreements concerning power generation and transmission facilities. In addition BPA plays a key role in the joint Power Planning Council, comprised of all interested public and private power systems in the region, and in formulating cooperative plans for efficient development of the region's future hydrothermal power facilities.

Through its interconnections with the principal generating utilities of the Northwest Power Pool, the BPA transmission network provides the capacity and wheeling capacity necessary for operation of the power pool and for carrying out the requirements of the Pacific Northwest Coordination Agreement.

Bonneville Power Administration
1002 N.E. Holliday Street
P.O. Box 3621
Portland, OR 97208
Telephone: (503) 234-3361
Donald P. Hodel, Administrator

FIGURE 3. Bonneville Power Administration
Power Marketing Area

Mining Enforcement and Safety Administration

Programs conducted by the Mining Enforcement and Safety Administration focus on control of health hazards and the reduction of fatalities and injuries. Mandatory health and safety standards and regulations are developed or revised as warranted by new technology or by changing conditions.

Mining Enforcement and Safety Administration
4015 Wilson Boulevard
Arlington, Virginia 22203

Telephone: (703) 235-1452

Robert E. Barrett, Administrator - 235-1372

Defense Electric Power Administration

The purpose of the Defense Electric Power Administration is to perform emergency preparedness functions covering electric power and, in the event of a declared civil defense emergency or a major natural disaster, to exercise the authority of the Secretary of the Interior with respect to electric power. DEPA develops and maintains plans to provide a state of readiness in electric power for all declared emergency conditions.

Defense Electric Power Administration
Department of the Interior
18th and C Streets, N.W.
Washington, DC 20240

Telephone: (202) 343-7521

Philip Swart, (Acting) Director

Fish and Wildlife Service

In the area of resource management the Fish and Wildlife Service provides leadership for the protection and improvement of land and water environments (habitat preservation), which directly benefit the living natural resources and adds quality to human life. Activities include:

(1) environmental impact assessment through river basin studies, including hydroelectric dams, nuclear power sites, stream channelization, dredge and fill permits, associated research, and environmental impact statement review, (2) area planning and preservation involving river basins, wilderness areas, and special studies such as oil shale and geothermal energy.

U.S. Fish and Wildlife Service
Department of the Interior
18th and C Streets, N.W.
Washington, DC 20240

Telephone: (202) 343-5634

Lynn Greenwalt, Director - 343-4717

Department of Transportation

The Department of Transportation includes a number of components with energy related activities. These include the Transportation Energy Policy Division, the Federal Highway Administration, and the U.S. Coast Guard.

Department of Transportation
400 7th Street, S.W.
Washington, DC 20590

Telephone: (202) 426-4000
Brock Adams, Secretary

Transportation Energy Policy Staff

This division assesses and evaluates the impact on the U.S. economy of various transportation energy conservation options as well as identifies appropriate methods for implementing existing policies. The division also analyzes the impact of increased fuel prices on the transportation sector and prepares contingency plans for potential energy shortages.

Donald J. Igo, Director - (202) 426-0783

Federal Highway Administration

The Administration compiles information on the number of motor vehicles registered in the U.S., overall fuel consumption and vehicle miles traveled.

William M. Cox, Administrator - (202) 426-0650

U.S. Coast Guard

The Coast Guard assists the Department of the Treasury with enforcement of the Oil Pollution Act of 1961 which prohibits the discharge of petroleum and other fuels in coastal waters.

Adm. Owen W. Siler, Commandant - (202) 426-2390

Agencies and Commissions

Community Services Administration

The Community Services Administration's overall purpose is to reduce poverty in the U.S. It seeks to accomplish this goal by helping low income families and individuals attain economic self-sufficiency. The CSA operates an energy conservation and winterization community action program. The program explores methods of providing cheaper electric energy and other fuels for the poor. In addition community action agencies operate programs which provide insulation and other means of winterproofing the homes of the poor.

Community Services Administration
1200 19th Street, N.W.
Washington, DC 20506

Telephone: (202) 254-5590

Samuel R. Martinez, Director

Energy Research and Development Administration

The purpose of the Energy Research and Development Administration (ERDA) is to reorganize and consolidate Federal activities relating to research and development on the various sources of energy in order to develop and increase the efficiency and reliability of the use of all energy sources to meet the needs of present and future generations, to increase the productivity of the national economy and strengthen its position in regard to international trade, to make the nation self-sufficient in energy, to advance the goals of restoring, protecting and enhancing environmental quality, and to assure public health and safety.

Various energy acts contain requirements which direct ERDA to encourage and conduct research and development, including demonstration of commercial feasibility and practical applications of the extraction, conversion, storage, transmission and utilization phases related to the development and use of energy from fossil, nuclear, solar, geothermal and other energy

sources. ERDA is also required to utilize the facilities and capabilities of Federal agencies, national laboratories, universities, nonprofit organizations, industrial and other nonfederal entities for energy research, development and demonstration projects. ERDA encourages and participates in international cooperation in energy and related environmental research and development.

ERDA is undertaking national solar energy research, development and demonstration projects including specific energy technologies of direct solar heat, thermal energy conversion of cellulose and other organic materials, including wastes, photovoltaic and other direct conversion processes, sea thermal gradient conversion, windpower conversion, solar heating and cooling, and energy storage. ERDA is undertaking a comprehensive program of development and demonstration of solar heating systems, working with the Secretary of Housing and Urban Development, the Secretary of Defense, the Director of the National Bureau of Standards, the Administrator of the General Services Administration, and other Federal agencies and private organizations. ERDA is also directed to undertake a national geothermal energy research, development and demonstration project, including the determination and evaluation of the resource base, research and development with respect to exploration, extraction and utilization technologies, and demonstration of technologies.

Energy Research and Development Administration
20 Massachusetts Avenue, N.W.
Washington, D.C. 20545

Telephone: (301) 353-3000 - FTS 233-3000

Robert W. Fri, (Acting) Administrator - (202) 376-4024

Operations Offices

Albuquerque

Oak Ridge

Nevada

Idaho

San Francisco

Savannah River

Chicago

Richland

Richland Operations Office
P.O. Box 550
Richland, Washington 99352
Telephone: (509) 942-7411
Alex G. Fremling, Manager

Idaho Operations Office
550 2nd Street
Idaho Falls, Idaho 83401
Telephone: (208) 522-6640
C.E. Williams, Manager

Environmental Protection Agency

The Environmental Protection Agency (EPA) endeavors to abate and control pollution systematically by proper integration of a variety of research, monitoring, standard setting, and enforcement activities. As a complement to its other activities EPA coordinates and supports research and anti-pollution activities by state and local governments, private and public groups, individuals and educational institutions.

The air activities of EPA include development of national programs, technical policies and regulations for air pollution control, development of national standards for air quality, emission standards for new stationary sources, and emission standards for hazardous pollutants, technical direction, support and evaluation of regional air activities, and provision of training in the field of air pollution control. Related activities include study, identification and regulation of noise sources and control methods, technical assistance to states and agencies having radiation protection programs, a national surveillance and inspection program for measuring radiation levels in the environment, analyses, guidelines and standards for the land disposal of hazardous wastes, technical assistance in the development, management and operation of waste management activities, and analyses on the recovery of useful energy from solid waste.

Environmental Protection Agency
401 M Street, S.W.
Washington, DC 20460

Telephone: (202) 755-2673

Douglas M. Costle, Administrator - 755-2700
Barbara Blum, Deputy Administrator - 755-2711

Regional Offices

Region I - Boston
Region II - New York
Region III - Philadelphia
Region IV - Atlanta
Region V - Chicago
Region VI - Dallas
Region VII - Kansas City
Region VIII - Denver
Region IX - San Francisco
Region X - Seattle

Region X, Environmental Protection Agency
1200 6th Avenue
Seattle, Washington 98101

Telephone: (206) 442-1203

Donald P. Dubois, Regional Administrator

FIGURE 4. Standard Federal Regions

Federal Energy Administration

The purpose of the Federal Energy Administration (FEA) is to ensure that the supply of energy available to the United States will continue to be sufficient to meet our total energy demand. FEA also assures that in the case of energy shortages priority needs for energy are met and the burden of the shortages is borne with equity.

Office of International Energy Affairs

The Office of International Energy Affairs serves as the focal point within the FEA for the guidance and coordination of international activities. It identifies, analyzes, develops, proposes and coordinates U.S. international energy policy to assure appropriate interface between domestic and foreign energy entities as they relate to international industries, producer and consumer countries, their associations, and the relationships between and among these entities and the U.S. government.

Office of Policy and Analysis

The Office of Policy and Analysis assists in developing plans and policies to meet the energy needs of the nation by integrating all program, policy and legislative initiatives to establish a comprehensive national energy policy, developing Federal short- and long-term energy forecasts to evaluate alternative federal policies, and collecting energy information to assess the current energy situation.

Office of Energy Resource Development

The Office of Energy Resource Development develops and implements national policies and programs to increase production and utilization of energy from domestic sources, including coal, petroleum, natural gas, nuclear fuels and other energy sources.

Office of Energy Conservation and Environment

The Office of Energy Conservation and Environment conducts voluntary and mandatory programs to reduce the growth rate of energy demand in the United States. The Office also promotes the efficient use of energy and ensures that environmental concerns are balanced with national energy goals. Programs are directed at conserving energy in every sector of the economy, including transportation, residential and commercial buildings, and industry and electric utilities. In addition the Office evaluates the impact which the accelerated development of energy resources may have on the environment as well as the effect of environmental regulations on energy supply and use.

Federal Energy Administration
12th Street and Pennsylvania Avenue, N.W.
Washington, DC 20461

Telephone: (202) 566-6061

John F. O'Leary, Administrator - 566-9222

Regional Offices

Region I - 150 Causeway Street, Boston, Massachusetts 02114
Region II - 26 Federal Plaza, New York, New York 10007
Region III - 1421 Cherry Street, Philadelphia, Pennsylvania 19102
Region IV - 1655 Peachtree Street N.E., Atlanta, Georgia 30309
Region V - 175 W. Jackson Boulevard, Chicago, Illinois 60604
Region VI - 2626 W. Mockingbird Lane, Dallas, Texas 75235
Region VII - 112 E. 12th Street, Kansas City, Missouri 64142
Region VIII - 1075 S. Yukon Street, Lakewood, Colorado 80226
Region IX - 111 Pine Street, San Francisco, California 94111
Region X - 915 Second Avenue, Seattle, Washington 98174

Region X, Federal Energy Administration
915 Second Avenue
Seattle, Washington 98174

Telephone: (206) 442-7285

Jack B. Robertson, Regional Administrator

Federal Power Commission

The Federal Power Commission (FPC) issues permits and licenses for nonfederal hydroelectric power projects, regulates the rates and other aspects of interstate transactions in electric power and natural gas, issues certificates for interstate gas sales and construction and operation of interstate pipeline facilities, and requires maximum protection of our environment in the construction of new hydroelectric projects and natural gas transmission lines consistent with the nation's needs for adequate and reliable electric power and natural gas services.

The FPC has the authority and directive to divide the nation into regional districts for the voluntary interconnection and coordination of facilities for generation, transmission and sale of electric energy. The FPC also reviews the electric utility industry's long-range planning of bulk power supply reliability and adequacy as reported by the Regional Reliability Councils, and investigates instances of unreliable operations.

In 1972 the FPC established a continuing National Power Supply Activity which examines major current problems and issues that affect the electric power industry's future development. The FPC can also direct pipelines to supply natural gas to local distributors. FPC authorization is required for the abandonment of facilities or the discontinuance of service.

In addition the FPC collects and publishes information on the entire electric power industry and on natural gas companies subject to its jurisdiction. The FPC also maintains an inventory of hydroelectric power resources.

Federal Power Commission
825 N. Capitol Street, N.E.
Washington, DC 20426

Telephone: (202) 275-4006

Charles B. Curtis, Chairman - 275-4152
Don Smith, Vice Chairman - 275-4141

Regional Offices

Atlanta - 730 Peachtree Boulevard, Atlanta, Georgia 30308
Chicago - Federal Building, 230 S. Dearborne, Chicago, Illinois 60604
Fort Worth - 819 Taylor Street, Fort Worth, Texas 75102
New York - 26 Federal Plaza, New York, New York 10007
San Francisco - 555 Battery Street, San Francisco, California 94111

Regional Office, Federal Power Commission
555 Battery Street
San Francisco, California 94111

Telephone: (415) 556-3581

George Bell, Regional Engineer

Interstate Commerce Commission

The Interstate Commerce Commission regulates the rate for interstate transportation of fuel, including oil, gas and coal, by railroad, highway or domestic carriers. The ICC also regulates and investigates rates of interstate oil pipeline transport.

Interstate Commerce Commission
12th Street and Constitution Avenue, N.W.
Washington, DC 20423

Telephone: (202) 275-7252

George M. Stafford, Chairman - 275-7363
Charles Clapp, Vice Chairman - 275-7555

National Aeronautics and Space Administration

In carrying out the policy of Congress that activities in space should be devoted to peaceful purposes for the benefit of all mankind, the principal statutory functions of the National Aeronautics and Space Administration (NASA) are to conduct research for the solution of problems of flight within and outside the earth's atmosphere and develop, construct, test and operate aeronautical and space vehicles, conduct activities required for the exploration of space with manned and unmanned vehicles, arrange for the most effective utilization of the scientific and engineering resources of the United States with other nations engaged in aeronautical and space activities for peaceful purposes, and to provide for the widest practicable and appropriate dissemination of information concerning NASA's activities and their results.

National Aeronautics and Space Administration
400 Maryland Avenue, S.W.
Washington, DC 20546

Telephone: (202) 755-2320

Dr. Robert A. Frosch, Administrator - 755-3918

Office of Energy Programs

The Office of Energy Programs is responsible for coordinating NASA's support of other Federal agencies conducting energy research and development. It also manages existing NASA programs applying aeronautics and space technology to the generation, transmission, storage, conservation, use and management of energy in nonaerospace applications.

D.R. Ginther, Administrator - (202) 755-3127

Nuclear Regulatory Commission

The Nuclear Regulatory Commission (NRC) licenses and regulates the uses of nuclear energy to protect the public health and safety and the environment. It does this by licensing persons and companies to build and operate nuclear reactors and to own and use nuclear materials. The NRC makes rules and sets standards for these types of licenses. The NRC also carefully inspects the activities of the persons and companies licensed to ensure that they do not violate the safety rules of the Commission.

Within the NRC there are the following components: Office of International Programs, Office of State Programs, Office of Standards Development, Office of Nuclear Material Safety and Safeguards, Office of Nuclear Reactor Regulation, Division of Project Management, Division of Operating Reactors, Division of Safety Systems, Division of Nuclear Regulatory Research, Office of Inspection and Enforcement, Division of Materials Inspection Programs, and Division of Reactor Inspection Programs.

Nuclear Regulatory Commission
1717 H. Street, N.W.
Washington, DC 20555

Telephone: (301) 492-7000

Dr. Joseph Hendrie, Chairman - 492-7531

Regional Offices

Region I - 631 Park Avenue, King of Prussia, Pennsylvania 19406

Region II - 330 Peachtree Street N.W., Atlanta, Georgia 30303

Region III - 799 Roosevelt Road, Glen Ellyn, Illinois 60137

Region IV - 611 Rayn Plaza Drive, Arlington, Texas 76012

Region V - 1990 N. California Boulevard, Walnut Creek, California 94956

Region V, Nuclear Regulatory Commission
1990 N. California Boulevard, Suite 202
Walnut Creek, California 94956

Telephone: (415) 486-3141

Robert H. Engelken, Director

Region V includes Alaska, Arizona, California, Hawaii, Nevada, Oregon, Washington, and U.S. territories and possessions in the Pacific.

Tennessee Valley Authority

The responsibilities within the Office of Power include forecasting future needs of the TVA power program, and conducting studies pertaining to power sources and rates and water sources for hydroelectric and steam-electric generation.

Tennessee Valley Authority
New Sprinkle Building
Knoxville, Tennessee 37920

Telephone: (615) 637-0101

Aubrey J. Wagner, Chairman, Board of Directors
Lynn Seeber, General Manager

Water Resource Council

The Council determines water availability by geographic region for use in the development of synthetic and nuclear fuels, geothermal energy and fossil resources, including oil shale, coal, petroleum and tar sands, and anticipates problem areas where water is lacking due to environmental reasons or insufficient supply.

Water Resource Council
2120 L Street, N.W.
Washington, DC 20037

Telephone: (202) 254-6303

Leo M. Eisel, Director

NATIONAL PRIVATE ORGANIZATIONS

American Gas Association

The American Gas Association assumed its present status as the gas utility industry trade association in 1927, after a merger of two predecessor organizations. It renders assistance to individual gas companies so that such companies may serve their customers more efficiently. Toward this end, dependence is placed upon the voluntary cooperation of gas companies, and established committees composed of representatives of those companies.

The Association recognizes its obligation to acquire and provide factual information regarding the gas industry to interested outside organizations and activities. Its statistical efforts are a vital part of this function, and the publication of Gas Facts is one result of these efforts. The statistical activities of A.G.A. are accomplished by the Department of Statistics with guidance provided by the Statistics and Related Economics Committee.

American Gas Association
1515 Wilson Boulevard
Arlington, Virginia 22209
Bert Kemp, Staff Executive
Telephone: (202) 457-7364

American Petroleum Institute

The American Petroleum Institute is a non-profit corporation. API's objectives are to afford a means of cooperation with the government in matters of national concern. The Institute concerns itself with a wide variety of matters affecting the petroleum industry.

The API Statistics Department compiles important information about the petroleum industry. The Department issues monthly and quarterly reports on drilling activity in the United States, and weekly statistical reports on refining news and petroleum stocks. The Marketing Department provides data and information on general trends in marketing. These are just two of API's on-going programs to assist the petroleum industry by sharing knowledge and experience.

American Petroleum Institute
2101 L Street Northwest
Washington D.C. 20037
Telephone: (202) 457-7020
Frank N. Ikard, President

Edison Electric Institute

Edison Electric Institute (EEI) is the principal association of America's investor-owned electric utility companies. Its member companies serve 99% of all customers of the investor-owned segment of the industry.

The Institute was organized in 1933 with the following objectives:

- The advancement in the public service of the art of producing, transmitting, and distributing electricity and the promotion of scientific research in such field.
- The ascertainment and making available to the members and the public of factual information, data, and statistics relating to the electric industry.
- To aid its operating company members to generate and sell electric energy at the lowest possible price commensurate with safe and adequate service, giving due regard to the interests of consumer, investor, and employee.

Edison Electric Institute
90 Park Avenue
New York, New York 10016
Telephone: (212) 573-8700
W. Donham Crawford, President

Electric Power Research Institute

The Electric Power Research Institute (EPRI) began operations in 1973 for the purpose of expanding electric energy research and development under the sponsorship of the nation's utility industry, public, private, and cooperative. Its goal is to develop a broad, coordinated, advanced technology program for improving electric power production, transmission, distribution, and utilization in an environmentally acceptable manner.

The primary areas of EPRI's research are nuclear power; fossil fuel and advanced systems, power transmission and distribution; and energy systems, environment, and conservation.

Major objectives of the Electric Power Research Institute, as set forth in the Articles of Incorporation, include the following:

- To promote, engage in, conduct, and sponsor research and development for electricity production, transmission, distribution, and utilization and all activities directly or indirectly related thereto.
- To provide a medium through which investor-owned, government-owned, and cooperative-owned power producers and all other persons interested in the production, transmission, distribution, or utilization of electricity can sponsor electricity research and development for the public benefit.
- To discover, through study and research, ways to improve the production, transmission, distribution, and utilization of electric power, in order to insure the adequate power supply vital to the progress of the nation and the world community.
- To seek, through scientific research and development, solutions to the environmental problems related to the production, transmission, distribution, and utilization of electric power.
- To provide a medium for coordination and cooperation and for the exchange of information, among all organizations, public or private, concerned with electric power research and development.
- To develop, prepare, and disseminate information and data on scientific research and development activities in the field of electric power.

EPRI will not make operating decisions for the utility industry or for government bodies. Its mission is to focus national utility R&D resources on continuously providing the technological options needed for insuring that future electricity demands can be met in a manner that best serves the overall public good.

Electric Power Research Institute
3412 Hillview Avenue
P.O. Box 10412
Palo Alto, California 94303
Telephone (415) 493-4800
Dr. Chauncey Starr, President

MAJOR NATIONAL CITIZEN ORGANIZATIONS

Environmental Action

Room 731
1346 Connecticut Avenue, N.W.
Washington, D.C. 20036
Telephone (202) 833-1845

Environmental Defense Fund (EDF)

162 Old Town Road
East Setauket, NY 11733
Telephone (516) 751-5191

Friends of the Earth (FOE)

620 C Street, S.E.
Washington, D.C. 20003
Telephone (202) 543-4312

Izaak Walton League of America

1800 North Kent St., Suite 806
Arlington, VA 22209
Telephone (703) 528-1818

League of Women Voters of the U.S.

1730 M Street, N.W.
Washington, D.C. 20036
Telephone (202) 296-1770

National Audubon Society

950 Third Avenue
New York, NY 10022
Telephone (212) 832-3200

National Wildlife Federation

1412 Sixteenth Street, N.W.
Washington, D.C. 20036
Telephone (202) 483-1550

Sierra Club

530 Bush Street
San Francisco, CA 94108
Telephone (415) 757-7144

The Institute of Ecology (TIE)

Suite 2600
955 L'Enfant Plaza, S.W.
Washington, D.C. 20024
Telephone (202) 737-0116

The Nature Conservancy

1800 N. Kent Street, Suite 800
Arlington, VA 22209
Telephone (703) 524-3151

The Wilderness Society

1901 Pennsylvania Avenue, N.W.
Washington, D.C. 20006
Telephone (202) 293-2732

The Wildlife Society

Suite S-176
3900 Wisconsin Avenue, N.W.
Washington, D.C. 20016
Telephone (202) 363-2435

Trout Unlimited

4260 East Evans Avenue
Denver, CO 80222
Telephone (303) 757-7144

REGIONAL ENERGY-RELATED ORGANIZATIONS

Regional organizations as described here serve more than one state and operate from one of the four Northwest states (Alaska, Idaho, Oregon, and Washington). Some of these organizations address a specific subject, such as water resources management or economic development, but energy is a major factor in their efforts and has received special attention.

JOINT FEDERAL STATE OF GOVERNMENT ENTITIES

Federal Regional Council

Council activities include: improving working relationships between the major Federal domestic agencies and state and local governments. The Council assists state and local governments in analyzing and planning for energy development problems causing major regional changes such as the Alaska pipeline. There is a council for each of the ten standard Federal regions composed of the principal regional officials from the eleven agencies represented: the Departments of Health, Education, and Welfare; Commerce; Labor; Housing and Urban Development; Agriculture; Interior; Transportation; the Community Services Administration (OEO); the Environmental Protection Agency; Law Enforcement Assistance Administration; and the Federal Energy Administration.

Federal Regional Council
Region X
Arcade Plaza Building
1321 Second Avenue
Seattle, WN 98101
Telephone (206) 442-1593

Dave Dougherty, Staff Director

Pacific Northwest Regional Commission

The Regional Commission develops and implements comprehensive long-range economic development programs. (See accompanying Figure 6 Regional Commission Areas.) There are presently eight regional commissions. Each

has authority to grant funds to the states, area-wide districts or local governments within its jurisdiction for planning and technical assistance purposes, including research studies, and planning and demonstration projects. The Pacific Northwest Regional Commission is funding a two year project to identify legislative opportunities available to the states in dealing with energy issues. Known as the Northwest Energy Policy Project (NEPP), the project will develop options for future regional energy demand, expected supplies with which to meet that demand, opportunities for energy conservation, and other related energy policy matters for the states of Washington, Idaho and Oregon.

Pacific Northwest Regional Commission
2435 Virginia Avenue
Washington, D.C. 20037

Telephone (202) 254-7030

Jack Padrick, Federal Co-Chairman

1205 Washington Streets
Vancouver, WA 98660

Telephone (206) 696-2581

William Bruner, Director

FIGURE 6. Regional Commission Areas

Pacific Northwest River Basins Commission

Established in 1967 at the request of the Governors of Idaho, Montana, Oregon, Washington and Wyoming, the Commission consists of state and federal representatives of water-related agencies. Principal functions include coordination and recommendation of developmental and research plans for water-related issues. The Commission has an energy subcommittee that publishes comprehensive yearly reviews of power planning in the Pacific Northwest.

Pacific Northwest River Basins Commission

1 Columbia River

Vancouver, WA 98660

Telephone (206) 694-2581

(503) 285-0467

Donnel Lane, Chairman

FIGURE 7. River Basin Commission, Interagency Committee and Federal-State Compact Commission Areas

Western Interstate Nuclear Board

The Western Interstate Nuclear Board (WINB) is the administrative unit for the Western Interstate Nuclear Compact, a statutory agreement among 12 western states and ratified by the U.S. Congress, to foster the sound and orderly utilization of nuclear energy in furthering regional development, public health and safety, and environmental quality.

The Board is composed of representatives appointed by the Governor of each state and a Federal Government representative appointed by the President of the United States. Funds are supplied by appropriations from each member state.

The Board officers and address are as follows:

Western Interstate Nuclear Board
Suite 2500, Stapleton Plaza
33 Quebec
Denver, CO 80207
Telephone (303) 837-5851

Wyatt M. Rogers, Jr., Executive Director

FIGURE 8. Western Interstate Nuclear Compact Area

REGIONAL PRIVATE ORGANIZATIONS

National Electric Reliability Council

The National Electric Reliability Council (NERC) was formed by the electric utility industry in 1968 to augment the reliability and adequacy of bulk power supply of electric utility systems in North America. NERC consists of nine regional reliability councils whose membership comprises essentially all of the electric power systems in the United States and the Canadian systems in the providences of Ontario, British Columbia, Manitoba, and New Brunswick.

National Electric Reliability Council
Research Park, Terhune Road
Princeton, NJ 08540

Telephone: (609) 924-6050

Walter D. Brown, Administrative Manager

Western Systems Coordinating Council

The Western Systems Coordinating Council (WSCC) consists of four natural subregions which reflect concentrations of natural resources and economic influences: Northwest Power Pool, the Rocky Mountain Power Area, New Mexico Power Pool, and the Pacific Southwest Power Area.

The purpose of WSCC is to promote reliable operation of interconnected power systems by the coordination of planning and operation of generating and interconnected transmission facilities. WSCC provides a formal means of exchanging information and system data and for making necessary regional studies and recommendations designed to increase the reliability of the interconnected systems. Four standing committees have been formed to carry on the activities of the Council: Executive, Operating, Planning Coordination, and Public Information.

Western Systems Coordinating Council
University of Utah Research Park
540 Arapleen Drive, Suite 230
Salt Lake City, UT 84108

Telephone: (801) 582-0353

Dennis E. Eyre, Administrative Manager

ECAR	EAST CENTRAL AREA RELIABILITY COORDINATION AGREEMENT	MAIN	MID-AMERICA INTERPOOL NETWORK	SERC	SOUTHEASTERN ELECTRIC RELIABILITY COUNCIL
ERCOT	ELECTRIC RELIABILITY COUNCIL OF TEXAS	MARCA	MID-CONTINENT AREA RELIABILITY COORDINATION AGREEMENT	SPP	SOUTHWEST POWER POOL
MAAC	MID-ATLANTIC AREA COUNCIL	NPCC	NORTHEAST POWER COORDINATING COUNCIL	WSCC	WESTERN SYSTEMS COORDINATING COUNCIL

FIGURE 9. National Electric Reliability Council
Areas in the U.S.

Northwest Power Pool

The Northwest Power Pool is a group of utilities and agencies which voluntarily operate their power systems on a coordinated basis. It was created during World War II as a result of the War Production Board Order L-94 in 1942, directing utilities throughout the United States to cooperate with one another to increase the electrical capacity to meet added war loads.

When the Northwest Power Pool was formed, there were, in essence, two integrated power networks linked only by the intertie between Washington Water Power Company and Montana Power Company in northern Idaho. This intertie was not considered strong enough to make large power transfers between the networks. Therefore, the Pool used West Group and East Group designations in 1956 and now considers the area as a whole. The Pacific Northwest Utilities Conference Committee, which is an outgrowth of the Northwest Power Pool, maintains the designation of the West Group Area.

Northwest Power Pool
1210 Public Service Building
Portland, OR 97204

Richard A. Dunkin, Director

FIGURE 10. Northwest Power Pool Area

Pacific Northwest Utilities Conference Committee

The Defense Electric Power Administration (DEPA), formed under the Defense Production Act of 1950 by order of the Secretary of the Interior, required that forecasts be made periodically on loads and resources for 10 years in the future from all parts of the country. The complexities of loads and resources in the Pacific Northwest had become so involved by that time that a separate entity was needed for longer range forecasting.

Since the Northwest Power Pool had experience in making forecasts on a one-year basis, members of the Pool in the West Group Area invited other utilities to participate and formed the Pacific Northwest Utilities Conference Committee (PNUCC). This committee made estimates of loads and resources in the Northwest for DEPA. Although DEPA withdrew this requirement June 30, 1953, estimates made by the PNUCC proved so useful to power planning engineers and others that the committee has continued making long-range forecasts on an annual basis.

The annual report of the PNUCC titled "Pacific Northwest Utilities Conference Committee WEST GROUP FORECAST of Power Loads and Resources," published in January, covers the subsequent 10-year period by months on a power-year (July through June) basis.

The main part of this report consists of a detailed analysis of total load and resources available within the West Group of the Northwest Power Pool. The loads are summations of the system peak loads and system energy loads estimated by each of the utilities operating in the area. The resources are shown as peak and average energy capabilities for both average and adverse water conditions. Summary tabulations include only that interchange with parties outside of the area presently under firm contract although exhibits have been included in the main report to indicate potential interchange with outside parties. This "West Group Forecast" is considered one of the most informative reports on loads and resources in the Northwest.

Pacific Northwest Utilities Conference Committee
P.O. Box 1231
Wenatchee, WA 98801
Howard Elmore, Chairman

FIGURE 11. Pacific Northwest Utilities Conference
Committee - West Group Area

STATE ENERGY-RELATED ORGANIZATIONS

State energy related organizations include: State Government Entities, Utility Entities, and State Energy-Related Associations.

STATE GOVERNMENT ENTITIES

Energy Conservation

Alaska State Energy Office

Mackay Building
338 Denali Street
Anchorage, AK 99501
Telephone (907) 272-0527
William C. McConkey, Director

Idaho State Office of Energy

300 North 6th Street
Capital Park Plaza Building
Boise, ID 83720
Telephone (208) 384-3258
Kirk Hall, Director

Oregon Department of Energy

528 Cottage, N.E.
Salem, OR 97310
Telephone (503) 378-1429
Dr. Fred D. Miller, Director

Washington Conservation Information Center

1000 South Cherry Street
Olympia, WA 98504
Telephone (206) 753-0359
Carol Costello
State Energy Information System

Energy Facility Siting

Alaska Department of Natural Resources

11th Floor, State Office Building

Pouch M

Juneau, AK 99811

Telephone (907) 465-2400

Guy Martin, Commissioner

Idaho Public Utilities Commission

472 W. Washington Street

Boise, ID 83720

Telephone (208) 384-3143

Robert Lenaghan, President

K. D. Smith, Secretary-Administrator

Oregon Energy Facility Siting Council

Department of Energy

528 Cottage, N.E.

Salem, OR 97310

Telephone (503) 378-4128

Marian Frank, Chairman

Washington Energy Facility Site Evaluation Council

820 East Fifth Avenue

Olympia, WA 98504

Telephone (206) 753-7384

Roger Polzin, Executive Secretary

Public Utility Regulation

Alaska Public Utilities Commission

1100 MacKay Building

338 Denali Street

Anchorage, AK 99501

Telephone (907) 272-1487

Gordon J. Zerbetz, Chairman

J. Lowell Jensen, Executive Director

Idaho Public Utilities Commission

427 W. Washington Street
Boise, ID 83720

Telephone (208) 384-3143

Robert Lenaghan, President
K. D. Smith, Secretary-Administrator

Oregon Public Utility Commissioner

300 Labor and Industries Building
Salem, OR 97310

Telephone (503) 378-6611

Charles Davis, Commissioner

Telephone (503) 378-6622

Walter Paul, Assistant Commissioner for
Utility Division

Washington Utilities and Transportation Commission

Highways-Licenses Building
Olympia, WA 98504

Telephone (206) 753-6430

Robert C. Bailey, Chairman
Edward T. Shaw, Executive Officer

Comprehensive Land Use Planning

Alaska Department of Natural Resources

11th Floor, State Office Building
Pouch M
Juneau, AK 99811

Telephone (907) 465-2400

Guy Martin, Commissioner

Idaho Bureau of State Planning and Community Affairs

State House
Boise, ID 83720

Telephone (208) 384-3900

Shirl C. Boyce, Jr.

Oregon Land Conservation and Development Commission

1175 Cort Street, N.E.

Salem, OR 97310

Telephone (503) 378-4926

Harold Brauner, Director

Washington Office of Program Planning and Fiscal Management

Management

State Planning Division

House Office Building

Olympia, WA 98504

Telephone (206) 753-5297

Nicolas Lewis, Assistant Director

Coastal Zone Management

Alaska Management Program

Division of Policy Development and Planning

Office of the Governor

Pouch AD

Juneau, AK 99801

Telephone (907) 465-3512

Frederick Wright, Coastal Zone Coordinator

Oregon Land Conservation and Development Commission

1175 Cort Street, N.E.

Salem, OR 97310

Telephone (503) 378-4926

Harold Brauner, Director

Washington Department of Ecology

State of Washington

Olympia, WA 98504

Telephone (206) 753-0362

Ken Bostock, Planner

UTILITY ENTITIES

Major Electric Utilities - Alaska

3 Investor Owned Companies
10 Municipal Systems
12 Rural Electric Cooperatives

Anchorage Municipal Light and Power Department

1200 E First Avenue
Anchorage, AK 99501

Telephone (907) 279-7671

T. R. Stahr, Utility Manager
H. Koski, Chief Engineer

Electrical Customers - 14,714
Total Generation Capacity - 120,600 kW

Chugach Electric Association, Inc.

P.O. Box 3518
Anchorage, AK 99501

Telephone (907) 272-4441

L. J. Schulz, General Manager
G. L. Stromberg, Executive Assistant Finance

Electrical Customers - 38,079
Generation Capacity - 240,900 kW

Major Electric Utilities - Idaho

5 Investor Owned Companies
12 Municipal Systems
10 Rural Electric Cooperatives
2 U.S. Government
1 Mutual System

Idaho Power Company

1220 Idaho Street
P.O. Box 70
Boise, ID 83721

Telephone (208) 345-7210

A. Carlsen, Chairman of the Board, President
J. E. Bruce, President

Electrical Customers - 207,371
Total Generation Capacity as of January 1, 1976 -
1,848,703 kW

Idaho Falls Electric Light Division

P.O. Box 220

Idaho Falls, ID 83401

Telephone (208) 522-3191, Ext. 222

G. S. Harrison, Manager

Electrical Customers - 13,203

Total Generation Capacity - 7,400 kW

Pacific Power and Light Company

Public Service Building

920 S.W. 6th Avenue

Portland, OR 97204

Telephone (503) 226-7411

J.Y. Lansing, President

J.T. Stiles, V.P. Power Planning

Utah Power and Light Company

1407 West North Temple Street

P.O. Box 899

Salt Lake City, UT 84110

Telephone (801) 350-3535

Major Electric Utilities - Oregon

2 Investor Owned Companies

11 Municipal Systems

15 Rural Electric Cooperatives

4 Public Power Districts

3 U.S. Government

Eugene Water and Electric Board

500 Fourth Avenue, E.

Eugene, OR 97401

Telephone (503) 343-1661

K. Parks, General Manager

H.H. Hunt, Director Engineering and Operations Division

Electrical Customers - 51,758

Generating Capacity - 171,580 kW

Portland General Electric Company

621 S.W. Alder Street
Portland, OR 97205

Telephone: (503) 228-7181

F. M. Warren, President and Chief Executive Officer
A. J. Porter, Senior V.P. Production

Electrical Customers - 405,542

Total Generation Capacity as of January 1, 1976 -
2,285,430 kW

Pacific Power and Light Company

Pacific Service Building
920 S.W. 6th Avenue
Portland, OR 97204

Telephone: (503) 226-7411

J. Y. Lansing, President
J. T. Stiles, V.P. Power Planning

Electrical Customers - 547,307

Total Generation Capacity as of January 1, 1976 -
2,828,837 kW

Tillamook Peoples Utility District

906 Main Avenue
Tillamook, OR 97141

Telephone: (503) 342-2535

J. H. Madison, Manager
B. M. Stacy, Power Use and Public Relations

Electrical Customers - 12,993

Generating Capacity - 0

Major Electric Utilities - Washington

3 Investor Owned Companies
18 Municipal Systems
9 Rural Electric Cooperatives
23 Public Power Districts
1 Irrigation District
2 U.S. Government
6 Mutual Systems

Inland Power and Light Company

East 320 Second Avenue
Spokane, WA 99202

Telephone: (509) 747-7151

V. P. Slatt, Manager
G. C. Hogeweide, Office Manager

Electrical Customers - 14,830
Generation Capacity - 0

Pacific Power and Light Company

Public Service Building
920 S.W. 6th Avenue
Portland, OR 97204

Telephone: (503) 226-7411

(SEE OREGON)

Puget Sound Power and Light Company

Puget Power Building
Bellevue, WA 98009

Telephone: (206) 454-6363

R. M. Davis, President and Chief Executive Officer
D. H. Knight, V.P. Power Supply

Electric Customers - 412,432
Total Generation Capacity as of January 1, 1976 -
2,911,900 kW

Public Utility District No. 1 of Benton County

P.O. Box 6270
Kennewick, WA 99336

Telephone: (509) 582-2175

R. W. Blodgett, Manager
D. R. Clayhold, Assistant Manager and Chief Engineer

Electrical Customers - 19,094
Generation Capacity - 0

Public Utility District No. 1 of Chelan County

327 North Wenatchee Avenue
Wenatchee, WA 98801

Telephone: (509) 668-8121

K. Billingsley, President
R. O. Keiser, Manager

Electrical Customers - 20,100
Generation Capacity - 0

Public Utility District No. 1 of Clallam County

P.O. Box 951
Port Angeles, WA 98362

Telephone: (206) 452-9771

P. K. Jackson, Manager

Electrical Customers - 14,522
Generation Capacity - 0

Public Utility District No. 1 of Clark County

1200 Fort Vancouver
P.O. Box 1626
Vancouver, WA 98663

Telephone: (206) 699-3000

G. W. Watters, Manager
L. C. Spicer, Manager Operations

Electrical Customers - 62,923
Generation Capacity - 0

Public Utility District No. 1 of Cowlitz County

960 Commerce Avenue
Longview, WA 98632

Telephone: (206) 423-2210

J. B. Hill, President
R. L. McKinney, General Manager

Electrical Customers - 31,205
Generation Capacity - 70,000 kW

Public Utility District No. 1 of Franklin County

1411 W. Clark
P.O. Box 2407
Pasco, WA 99302

Telephone: (509) 547-5591

A. C. Northup, Manager
J. J. Sisk, Supervisor Operations

Electrical Customers - 10,834
Generation Capacity - 0

Public Utility District of Grant County

P.O. Box 878
Ephrata, WA 98823

Telephone: (509) 754-3541

L. D. Peterson, Manager
O. Ingebrigtsen, Director, Power Operations

Electrical Customers - 21,906
Generation Capacity - 1,642,550

Public Utility District No. 1 of Grays Harbor County

2720 Sumner Avenue
P.O. Box 480
Aberdeen, WA 98520

Telephone: (206) 532-4220

F. G. Gilkey, General Manager
B. J. Winter, Superintendent

Electrical Customers - 30,003
Generation Capacity - 0

Public Utility District No. 1 of Lewis County

981 Pacific Avenue
Chehalis, WA 98532

Telephone: (206) 748-4461

M. D. Johnston, Manager
D. M. Workman, Superintendent Distribution and
Transmission

Electrical Customers - 26,956
Generation Capacity - 0

Public Utility District No. 1 of Mason County

Third and Cota Streets
Shelton, WA 98584

Telephone (206) 426-8255

G.D. Samples, Manager
W.H. Flint, Superintendent

Electrical Customers - 15,802
Generation Capacity - 0

Public Utility District No. 1 of Okanogen County

P.O. Box 912
Okanogan, WA 98840

Telephone (509) 422-3310

H.T. Brazil, Manager

Electrical Customers - 12,500

Public Utility District No. 2 of Pacific County

405 Duryea Street
Raymond, WA 98577

Telephone (206) 942-2411

Q. Mizer, Manager
J.E. Dunsmoor, Electrical Engineer

Electrical Customers - 11,730
Generation Capacity - 0

Public Utility District No. 1 of Snohomish County

2320 California Avenue
P.O. Box 1107
Everett, WA 98206

Telephone (206) 259-9661

W.G. Hulbert, Jr., Manager
J.D. Maner, Director, Engineering and Power Supply

Electric Customers - 112,334
Generation Capacity - 0

Seattle Department of Lighting

1015 Third Avenue
Seattle, WA 98104

Telephone: (206) 625-3000

G. Vickery, Superintendent
J. P. Recchi, Assistant Superintendent

Electrical Customers - 262,034

Total Generation Capacity as of January 1, 1976 -
1,439,300 kW

Tacoma Public Utilities - Light Division

P.O. Box 11007
Tacoma, WA 98411

Telephone: (206) 383-2471

A. J. Benedetti, Utility Director
D. J. Caha, Power Manager

Electrical Customers - 88,555

Total Generation Capacity as of January 1, 1976 -
830,700 kW

Washington Public Power Supply System

3000 George Washington Way
P.O. Box 968
Richland, WA 99352

Telephone: (509) 946-1611

N. O. Strand, Managing Director

Electrical Customers - 76 Wholesale
Generation Capacity - 860,000 kW

Washington Water Power Company

411 East Mission Ave.
P.O. Box 3727
Spokane, WA 99220

Telephone: (509) 48909500

W. J. Satre, President
W. A. Lowry, Vice President

Electrical Customers - 192,661

Total Generation Capacity as of January 1, 1976 -
854,200 kW

Natural Gas Utilities

Cascade Natural Gas Corporation

222 Fairview N.
Seattle, WA 98109

Telephone: (206) 624-3900

Northwest Natural Gas Company

200 S.W. Market Street
Portland, OR 97201

Telephone: (503) 226-4811

Northwest Pipeline Corporation

315 E. 2nd Street
Salt Lake City, UT 84110

Telephone: (801) 534-3600

Pacific Gas Transmission Company

77 Beale Street
San Francisco, CA 94106

Telephone: (415) 781-0474

Washington Natural Gas Company

815 Mercer Street
Seattle, WA 98111

Telephone: (206) 622-6767

Washington Water Power Company

411 East Mission Avenue
P.O. Box 3727
Spokane, WA 99220

Telephone: (509) 489-0500

STATE ENERGY-RELATED ASSOCIATIONS

Alaska Rural Electric Cooperative Association, Inc.

Box 1148

Palmer, AK 99645

Dale D. Briggs, President

Eastern Washington Public Utility District Commissioner's Association

1601 Tower Building

Seattle, WA 98101

Telephone (206) 622-7441

Ken Billinton, Executive Director

Idaho Cooperative Utilities Association, Inc.

c/o Buris O. Russell

P.O. Drawer 8

Grangerville, ID 83530

Telephone (208) 983-1610

Clement Eaton, President

Oregon PUD Directors Association

P.O. Box 433

Tillamook, OR 97141

Maxine Johnson, President

308 Court Street

The Dalles, OR 97058

Oregon Rural Electric Cooperative Association

795 Winter St., N.E.

Salem, OR 97301

Telephone (503) 585-9988

B. L. McCarthy, President

950 N.W. Wildrose Drive

Corvallis, OR 98330

Pierce County Power Cooperative Association

c/o John Curtis

914 East 112th Street

Tacoma, WA 98445

Telephone (206) 537-3512

Franz Holmes, President

Southwest Washington Public Utility District's Association

1601 Tower Building
Seattle, WA 98101

Telephone (206) 622-7441

Ken Billington, Executive Director
Pete C. Olsen, President
506 Claybrook Road
Sedro Woolley, WA 98284

Washington Public Utilities District's Association

1601 Tower Bldg.
Seattle, WA 98101

Ken Billington, Executive Director
R.O. Archer, President
1709 N.E. 78th Street
Space 153
Vancouver, WA 98665

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S. 222 Scott Street
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Research
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Commission
Washington, DC 20555

F. G. Lowman
Office of Nuclear Regulatory
Research
U.S. Nuclear Regulatory
Commission
Washington, DC 20555

E. E. Held
Office of Standards Development
U.S. Nuclear Regulatory
Commission
Washington, DC 20555

27 ERDA Technical Information
Center

J. B. Robertson
Federal Energy Administration
Room 1992
Federal Building
915 Second Avenue
Seattle, WA 98174

L. E. Coate
U.S. Environmental Protection
Agency, Region X
Seattle, WA 98101

E. Croke
Argonne National Laboratory
9700 South Cass Avenue
Argonne, IL 60439

L. J. Hoover
Argonne National Laboratory
9700 South Cass Avenue
Argonne, IL 60439

P. M. Meier
Bldg. 475
Brookhaven National Laboratory
Upton, NY 11973

P. Palmedo
Bldg. 475
Brookhaven National Laboratory
Upton, NY 11973

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Laboratory
University of California
P.O. Box 1663
Los Alamos, NM 87545

R. M. Davis
Oak Ridge National
Laboratory
P.O. Box X
Oak Ridge, TN 37830

W. Fulkerson
Oak Ridge National
Laboratory
P.O. Box X
Oak Ridge, TN 37830

Col. G. R. Robertson
District Engineer
Alaska District
Corps of Engineers
Anchorage, AK 99510

R. Estess
State Clearinghouse
Division of Policy
Development and Planning
Office of the Governor
Pouch AD
Juneau, AK 99801

J. Lowell Jensen
Public Utilities
Commission
1100 MacKay Building
338 Denali Street
Anchorage, AK 99501

W. C. McConkey, Director
Division of Energy and
Power Development
Department of Commerce and
Economic Development
MacKay Building
338 Denali Street
Anchorage, AK 99501

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G. Martin
Department of Natural
Resources
11th Floor, State
Office Bldg.
Pouch M
Juneau, AK 99811

M. F. Thomas
Regional Engineer
Bureau of Power
555 Battery Street
Room 415
San Francisco, CA 94111

D. Guss
Bureau of State Planning
and Community Affairs
State House
Boise, ID 83720

K. D. Smith
Public Utilities
Commission
472 W. Washington St.
Boise, ID 83720

R. J. Vissia
Regional Director
Pacific Northwest Region
(Columbia River Basin)
Federal Building,
U.S. Court House
550 W. Fort Street
Boise, ID 83724

R. N. Wise
Bureau of State Planning
and Community Affairs
State House
Boise, ID 83720

R. Hulme
State Clearinghouse
Office of Budget and
Program Planning
232 Capitol Building
Helena, MT 59601

M. O. Mortensen
Energy Advisory Council
c/o Lt. Governor's Office
Capitol Building
Helena, MT 59601

J. Nybo
Energy Advisory Council
c/o Lt. Governor's Office
Capitol Building
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A. C. Tsao
Energy Planning Division
Department of Natural
Resources and Conservation
32 South Ewing
Helena, MT 59601

H. Brauner
Conservation and Development
Commission
1175 Court Street, N.E.
Salem, OR 97301

Charles Davis
Public Utility Commissioner
Labor and Industries Bldg.
Salem, OR 97310

Col. H. L. Arnold, Jr.
District Engineer
Portland District
Corps of Engineers
2850 S.E. 82nd Ave.
(97266)
P.O. Box 2946
Portland, OR 97208

Ma.I. Gen. W. E. Peel
Division Engineer
North Pacific Division
Corps of Engineers
210 Custom House
Portland, OR 97209

Dr. F. D. Miller
Oregon Department of Energy
528 Cottage, N.E.
Salem, OR 97310

Dr. K. Woods
Energy Facility Siting
Division
Department of Energy
528 Cottage, N.E.
Salem, OR 97310

W. Young
Intergovernmental Relations
Division
Office of the Governor
240 Cottage Street, S.E.
Salem, OR 97310

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Development
Olympia, WA 98504

Co. C. J. Alloire
District Engineer
Walla Walla District
Corps of Engineers
Bldg. 602, City-County Airport
Walla Walla, WA 99362

Col. J. A. Potcot, Jr.
District Engineer
Seattle District
Corps of Engineers
1519 Alaskan Way South
Seattle, WA 98134

N. Lewis
Assistant Director
Office of Program Planning
and Fiscal Management
State Planning Division
House Office Building
Olympia, WA 98504

R. Polzin
Energy Facilities Site
Evaluation Council
820 East Fifth Avenue
Olympia, WA 98504

E. T. Shaw
Utilities and Transportation
Commission
Highways-Licenses Building
Olympia, WA 98504

L. K. Hall, Director
Idaho Energy Office
State House
Boise, ID 83720

L. Bradley
Washington State Energy
Office
1000 Cherry
Olympia, WA 98504

M. Walsh
Department of Ecology
State of Washington
Olympia, WA 98504

A. J. Eliopoulos
Public Service Commission
Supreme Court Building
Cheyenne, WY 82002

D. B. Freudenthal
State Planning Coordinator's
Office
Office of the Governor
State Capitol
Cheyenne, WY 82002

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Mineral Development Division
Department of Economic
Planning and Development
720 West 18th Street
Cheyenne, WY 82002

F. C. Blood
Bonneville Power
Administration
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Portland, OR 97208

R. S. Gens
Bonneville Power
Administration
P.O. Box 3621
Portland, OR 97208

J. Hoozen
Bonneville Power
Administration
P.O. Box 3621
Portland, OR 97208

J. C. Loosli
Bonneville Power
Administration
P.O. Box 3621
Portland, OR 97208

C. M. Moore
Bonneville Power
Administration
P.O. Box 3621
Portland, OR 97208

M. Katz
Northwest Energy Policy
Project
1096 Lloyd Building
700 N.E. Multnomah Street
Portland, OR 97232

R. Lewis
Northwest Energy Policy
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