

A History of the Washington Public Power Supply System

GARY K. MILLER

# <u>Energy Northwest A History Of The Washington Public</u> <u>Power Supply System</u>

United States. Congress. Senate.
Committee on Energy and Natural
Resources. Subcommittee on Energy
Production and Supply

#### **Energy Northwest A History Of The Washington Public Power Supply System:**

**Energy Northwest** Gary K. Miller, 2001 The nation is currently at the beginning of a serious energy crisis For the electrical utility industry it is the most serious crisis since the 1970s with a shortfall in generating capacity and skyrocketing fuel prices At the same time legislation to deregulate the industry is stuck in Congress rolling blackouts are plaquing California and threatening the Northwest elected officials are frozen by ideology over good governance and there is no end in sight How did we get in this condition In the Pacific Northwest the answer to this and many related guestions can be found in Energy Northwest A History of the Washington Public Power Supply System This work documents the joint operating agency made up of publicly owned utilities that became Energy Northwest But for most of its existence the agency was known as the Washington Public Power Supply System WPPSS or simply the Supply System Its founders were veterans of years of conflict between their public utilities and the powerful private utilities of the region Public power leaders hoped to provide their ratepayers reliable and affordable electricity at the cost of production for the future Founded in 1957 the agency got into business by building and operating a small hydroelectric plant called the Packwood Lake Project located in the majestic Gifford Pinchot National Forest Then in 1966 WPPSS built the Hanford Generating Project a power facility that used the steam created by the N reactor a plutonium producing defense plant on the Hanford Reservation 25 miles north of Richland Washington The Supply System ran the plant for 20 years before the N reactor shut down for good taking away the source of steam from Hanford Generating Project As Hanford Generating Project began to churn out power in the late 1960s the region initiated a planning process to build more thermal plants since no more hydroelectric dams would be built This ambitious effort the Hydro Thermal Power Plan enthusiastically sponsored by the federal power marketing agency Bonneville Power Administration envisioned up to 20 nuclear and coal powered plants in the Northwest This frenzied effort was in response to the Energy Crisis of 1974 and the reliance on an outmoded energy forecasting system that projected power blackouts and economic chaos Two nuclear power plants were eventually built and operated Portland General Electric s Trojan plant near Ranier Oregon and WPPSS s WNP 2 at Hanford Others were planned at Pebble Springs near Arlington Oregon and in the Skagit Valley in Northwest Washington which were abandoned early on But the major effort went into five nuclear power plants to be built and operated by the Washington Public Power Supply System The Joint Power Planning Council representing all the region s utilities and hosted by Bonneville and the Public Power Council asked WPPSS to build these plants and build them quickly Two were to be located on a forested hilltop near Satsop in western Washington and three at the remote Hanford Reservation Of these only WNP 2 now renamed Columbia Generating Station was completed Since it began commercial operation in 1985 the plant produces 1 150 net megawatts of electricity at full power enough to serve the greater Seattle area The other four were mothballed and later terminated in various stages of completion after years of construction woes and stunning cost overruns The ratepayers of the Northwest continue to pay off the revenue bonds for

three of those WNP 1 WNP 3 and Columbia Generating Station through a financial arrangement with Bonneville The Supply System defaulted on the bonds for the other two WNP 4 and WNP 5 to the tune of 2 25 billion the largest municipal bond default in U S history to that time The aftermath of this disaster was extremely damaging not only for those bondholders who Washington Public Power Supply System United States. Congress. received only pennies on the dollar after years House, Committee on Energy and Commerce, Subcommittee on Energy Conservation and Power, 1984 Public Power Supply System United States. Congress. House. Committee on Interior and Insular Affairs. Subcommittee on **Encyclopedia of Forest Sciences** Iulian Mining, Forest Management, and Bonneville Power Administration, 1983 Evans, John A. Youngquist, 2004-04-02 A combination of broad disciplinary coverage and scientific excellence the Encyclopedia of Forest Sciences will be an indispensable addition to the library of anyone interested in forests forestry and forest sciences Packed with valuable insights from experts all over the world this remarkable set not only summarizes recent advances in forest science techniques but also thoroughly covers the basic information vital to comprehensive understanding of the important elements of forestry The Encyclopedia of Forest Sciences also covers relevant biology and ecology different types of forestry e g tropical forestry and dryland forestry scientific names of trees and shrubs and the applied economic and social aspects of forest management Valuable key features further enhance the utility of this Encyclopedia as an exceptional reference tool Also available online via ScienceDirect featuring extensive browsing searching and internal cross referencing between articles in the work plus dynamic linking to journal articles and abstract databases making navigation flexible and easy For more information pricing options and availability visit www info sciencedirect com Edited and written by a distinguished group of editors and contributors Well organized encyclopedic format provides concise readable entries easy searches and thorough cross references Illustrative tables figures and photographs in every entry produced in full color Comprehensive glossary defines new and important terms Complete up to date coverage of over 60 areas of forest sciences sure to be of interest to scientists students and professionals alike Editor in Chief is the past president of the International Union of Forestry Research Organizations the oldest international collaborative forestry research organization with over 15 000 scientists from 100 countries Pacific Northwest electric power supply and conservation act United States. Congress. Senate. Committee on Energy and Natural Resources, 1979 Congressional Record United States. Scarce Water and Institutional Change Kenneth D. Frederick, 2013-10-18 The authors assess alternative Congress, 1971 approaches to meeting long term water needs and resolving conflicts among competing water users in five areas the Columbia River Basin Kern County California south California Virginia Beach Virginia and northeastern Colorado This book argues that America's water supply problems are caused largely by bad habits and poor policies especially policies that price water far under its true value Originally published in 1986 Bond Evaluation, Selection, and Management R. Stafford Johnson, 2010-09-23 A fully revised guide to fixed income securities that reflects current market conditions The Second

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the United States including their history goals methods of action and consequences In the first half of the book the authors frame the energy policy issue by reviewing U S energy policy history identifying the policy making players and illuminating the costs benefits and economic and political realities of currently competing policy alternatives The book examines the stakeholders and their attempts to influence energy policy and addresses the role of supply and demand on the national commitment to energy conservation and the development of alternative energy sources. The latter half of the book delves into specific energy policy strategies including economic and regulatory options and factors that influence energy policies such as the importance of international cooperation Renewed interest in various renewable and nontraditional energy resources for example hydrogen nuclear fusion biomass and tide motion is examined and policy agendas are explored in view of scientific economic regulatory production and environmental constraints This book provides excellent insight into the complex task of creating a comprehensive energy policy and its importance in the continued availability of energy to power our way of life and economy while protecting our environment and national security **Energy Pricing** Roger L. Conkling, 2011-03-23 This book describes the processes through which rates for energy consumption are derived ranging from initial analyses of the supply and demand parameters to the final forms and levels of end use consumer prices The author argues against aggressive accounting procedures and suggests criteria for choosing firm's position on pending public policy issues A handbook on energy formulae for non professionals is included in the book The author is adjunct professor at the University of Portland Energy Abstracts for Policy Analysis ,1986 Hearings, Reports and Prints of the Senate Committee on Energy and Natural Resources United States. Congress. Senate. Committee on Energy and Natural Resources, 1978

Imposing Specific Directives on the Bonneville Power Administration United States. Congress. Senate. Committee on Energy and Natural Resources, 1984

Reviewing **Energy Northwest A History Of The Washington Public Power Supply System**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "Energy Northwest A History Of The Washington Public Power Supply System," an enthralling opus penned by a highly acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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