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GENERAL INFORMATION

Who is Grant County Public Utility District?

Grant County Public Utility District is a Washington state municipal corporation that began electric service in 1942. Owned by the people it serves, Grant PUD generates and sells electricity to Grant County residents and millions of customers throughout Central Washington and the Pacific Northwest. The Priest Rapids Project, comprised of Priest Rapids and Wanapum Dams, produces nearly 2,000 megawatts of clean, renewable and reliable electricity – enough to supply a city the size of Seattle.

County Information

Grant PUD is located in central Washington state and serves residents of Grant County. This rural farming area is bordered on the west by the Columbia River where Grant PUD operates two large hydroelectric dams. Grant County covers 2,777 square miles with a population of 74,698.

Grant County is the fourth largest county in Washington state. The county's economy is based on diversified agriculture, food processing and manufacturing. Major power customers include: food processors and frozen product storage, technology data centers, polycrystalline silicon and saline gas production, paper industry chemical production, a foundry operation and an automobile airbag inflation systems company.

What is Public Power?

Public Power is a collection of more than 2,000 community-owned electric utilities, serving over 43 million people or about 14 percent of the nation's electricity consumers. Public power utilities are operated by local governments to provide communities with reliable, responsive, not-for-profit electric service. Public power utilities are directly accountable to the people they serve through local elected or appointed officials.

What is a PUD?

Public Utility Districts (PUDs) are nonprofit, community-owned and governed utilities that provide electricity, water, wholesale telecommunications and sewer services.

Washington's first initiative to the legislature, approved by voters in 1930, gave citizens of each county the right to form a PUD. The Washington State Grange sponsored the PUD initiative because private power companies at that time refused to bring electric service to farms and small communities.

Today, 28 PUDs serve more than 1.7 million citizens across the state. The utilities may offer electricity, water, wholesale telecommunications, sewer and other services, depending on local needs.

General Statistics

Population of Service Area.....84,697
Area Served (square miles).....2,777

Number of Customers

Residential.....35,069
Irrigation.....4,548
Industrial.....20
Commercial.....5,951
Large Commercial.....91
Street Lights & Other.....118
Total Retail Customers.....45,797
Total Fiber Optic Network Subscribers.....4,981

Average cost per Kilowatt Hour

Residential..... 4.024¢
Irrigation.....3.030¢
Industrial.....2.612¢
Commercial.....3.290¢
Large Commercial.....2.330¢
Street Lights & Other.....15.723¢

Energy sold in Grant County

Kilowatt Hours.....3,715,665,511
kWh Revenue to Electric System..... \$114,864,713

Leadership

Commissioner Profiles:

Randy Allred, President | Commissioner Allred, elected to the Commission in 2002, has been a resident of Grant County for 40 years and has 30 years of experience in Agri-business. He owns and manages five related businesses in Washington and Oregon, and is a former President and current member serving his 17th year on the Quincy Columbia Basin Irrigation District Board of Directors.



Commissioner Randy Allred
President

Tom Flint, Vice President | Commissioner Flint joined the Commission after being elected to the Board in the fall of 2000. He is a fifth generation farmer actively farming in Grant County. As founder and director for AgFARMation, he is a grassroots activist and Director of the Blacksands Irrigation District and the Columbia Basin development League. Commissioner Flint has a BA in Industrial technology from Central Washington University.



Commissioner Tom Flint
Vice President

Terry Brewer, Secretary | Commissioner Brewer was elected to the Commission in 2006. He has over 30 years of experience in the electric utility industry. Mr. Brewer is the Executive Director for the Grant County Economic Development Council where he assists existing Grant County businesses expand and recruits new businesses to the county. He graduated from Indiana University with a degree in business management and administration. Commissioner Brewer serves on the Washington Association of Economic Development Councils, is a board member for the North Central Workforce Development Council and is a member of the Soap Lake Planning Advisory Committee.



Commissioner Terry Brewer
Secretary

Dale Walker | Commissioner Walker was elected to the commission in the fall of 2010. He is a 57-year resident of Grant County having been actively involved in agriculture and ag research. His family was involved in the development of the Columbia Basin Project. Mr. Walker has served local, state and national organizations representing the agricultural industry. Commissioner Walker is currently a member of the Grant County Planning Commission. He attended college and majored in engineering.



Commissioner Dale Walker

Bob Bernd, President | Commissioner Bernd joined the Commission in January of 2007. A Grant County native, he is retired from a career in moving and storage, waste disposal and recycling. Mr. Bernd is a graduate of Washington State University and holds a degree in business management. Commissioner Bernd served 26 years on the Moses Lake Planning Commission, is a board member and former chair for the Boys and Girls Club of the Columbia Basin, former board member and chair of the Grant County Housing Authority and past president and member of the Moses Lake Lions Club.



Commissioner Bob Bernd



Leadership

Senior Management Profiles:

Tim Culbertson, General Manager, has been with the utility since 2000. He has more than 41 years of executive management, power management and overall utility operations experience in west coast utilities. An active player in the nation's energy industry, Culbertson has testified before many Western State Commissions as well as Senate and Congressional Subcommittees on energy issues. He serves on the executive committee for the Large Public Power Council, Pacific Northwest Utilities Conference Committee and the Public Generating Pool. In addition to national efforts, Culbertson is heavily involved in Northwest energy issues. He serves as a member of the executive and energy committees at the Washington Public Utility Districts Association and participates in the region's wind integration committee, and holds an executive committee position with ColumbiaGrid.

Chuck Berrie, Assistant General Manager, joined Grant PUD in 2007. Berrie is a Grant County native and has more than 20 years of utility experience at two eastern Washington public utility districts. Prior to joining the utility, he served as general manager of Okanogan PUD. At Grant PUD, Berrie manages the customer service, hydro, natural resources and power management divisions. He has a Bachelor of Science degree from Washington State University.

Joe Lukas, Senior Policy Advisor, has worked for Grant PUD since 1995. He has more than 15 years of experience working on natural resources and hydroelectric operations and licensing issues. His current work focuses on regional and national initiatives affecting Grant PUD and the Priest Rapids Project. Lukas has a Bachelor of Science degree from the University of Idaho and a Master of Science degree from Virginia Polytechnic Institute and Virginia State University.

Jim Bunch, Treasurer/Controller joined the utility in 1983. During his career at Grant PUD, he has worked primarily in the accounting and finance areas of the utility. His experience includes network administration, program development for treasury operations, financial forecast modeling, budgeting, rate development and analysis of the cost of providing electrical service. He has a Bachelor of Arts degree from Central Washington University.

General Statistics

Revenue

Sales to Other Utilities.....	\$87,908,037
Commercial and Industrial.....	\$ 64,260,218
Residential.....	\$ 33,211,379
Irrigation.....	\$ 16,422,107
Contribution in Aid of Construction.....	\$ 993,576
Governmental and Others.....	\$ 971,009
Total Interest & Other Income.....	\$ 5,823,372

Expense

Purchased Power.....	\$118,539,331
Electric Operations.....	\$ 26,483,229
Depreciation and Amortization.....	\$ 23,896,932
Interest on Debt.....	\$ 6,837,547
Administrative & General.....	\$ 11,449,405
Taxes.....	\$ 8,799,719

**Based on 2009 Audited Financials*



POWER SUPPLY

Priest Rapids Project (Priest Rapids and Wanapum dams) is owned and operated by Grant PUD. No tax dollars were used to build these hydropower plants in the late 1950s and early 1960s. Construction was financed through the issue of tax-exempt municipal bonds backed by 50-year power sales contracts with Northwest utilities. Grant PUD's Electric System receives the majority of power for local use from Priest Rapids and Wanapum dams. They remain among the nation's lowest cost power producers and can generate nearly 2,000 megawatts combined.

Quincy Chute Project was financed, designed and constructed by Grant PUD. This 9.4 megawatt hydropower plant began operating on an irrigation canal in 1985. It produces power during the irrigation season (March through October). Grant PUD operates the plant and purchases the entire power output under an agreement with the three local irrigation districts that own the project.

Potholes East Canal Headworks Powerplant Project was also financed, designed and constructed by Grant PUD. This 6.5 megawatt hydropower plant began operating on an irrigation canal in 1990. It operates during the irrigation season (March through October). Grant PUD operates the plant and purchases the entire power output under an agreement with the three local irrigation districts that own the project.

Nine Canyon Wind Project is owned and operated by Energy Northwest. Grant PUD purchases 12.54 percent of the project power output equaling 12 megawatts peak. Testing for wind generation sites in Grant County is ongoing.

Bonneville Power Administration contracts as a power supplier to Grant PUD as a preference customer through 2011.

General Statistics

Priest Rapids Development

Generation Units	10
Rated Capacity	955,600 kilowatts
Length	10,103 ft. concrete/earthfill
Rated Head	78 feet
Construction Started	July 1956
First Power Generation	October 1959
Cost to Construct	\$166 million
Net Generation	4,293,930,000 kWh

Quincy Chute Hydroelectric Project

Rated Capacity	9,400 kilowatts
Net Generation	35,570,000 kWh

Wanapum Development

Generation Units	10
Rated Capacity	1,038,000 kilowatts
Length	8,637 ft. concrete/earthfill
Rated Head	80 feet
Construction Started	July 1959
First Power Generation	October 1963
Cost to Construct	\$195 million
Net Generation	4,487,336,000kWh

Potholes East Canal Project

Rated Capacity	6,500 kilowatts
Net Generation	20,692,000 kWh

Nine Canyon Wind Project

12.54 Percent of Project – Peak Capacity	12 MW
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QUICK SUMMARIES OF MAJOR PROJECTS

Priest Rapids Project License Implementation | Grant PUD received a new long-term license to operate Priest Rapids and Wanapum dams in 2008. The terms of the license direct the utility to provide protection to natural and cultural resources, including constructing and operating fish hatcheries and adopting and implementing shoreline and recreation management plans. These efforts, paired with the utility's on-going work to replace turbines and generators at the two hydroelectric facilities, result in projected expenditures of nearly \$1 billion over the course of the 44-year term of the license. The expenses associated with these projects increase the cost of power produced at Grant PUD's hydroelectric facilities for Grant County residents and are needed to maintain the facilities over the license term.

Hydro Operations— Turbine and Generator Replacements | Grant PUD engineers, mechanics and electricians are in the process of updating facilities at both Priest Rapids and Wanapum dams. Over the course of the next two decades, crews will install new, state-of-the-art turbines at each facility. They will also update the generators for each turbine.

Installing new turbines and rebuilding generators at Wanapum Dam will ensure another 40 or more years of useful life. More electricity will be generated using the same amount of water. The new turbines also aid in the protection of young salmon and steelhead passing through the dams on their way to the ocean. For these same reasons, eventual turbine upgrades and possible generator replacements are also planned at Priest Rapids Dam.

Planning for Future Power Demand | Grant PUD is in a strong position to meet the county's power demands over the next three to five years. However, anticipated load growth and state requirements, like Initiative 937, as well as future federal requirements make planning for long-term energy needs a necessity. The utility is committed to exploring alternative energy resources to conserve, supplement and enhance the utility's renewable hydropower project generation. New and emerging technologies may provide additional energy resources to accommodate growth and serve as a buffer during critical water years.

Power Rates | Grant PUD maintains rates for electric service that are among the lowest in the nation. These rates are based upon cost of service and have been sufficient to provide for all operating and maintenance costs and debt service for the Electric System.

**(Rate schedules found on web site)*

General Statistics

Electric Distribution System

Distribution Plant	\$ 357,604,135
Transmission Plant	\$ 127,137,892
Generation-Quincy Chute, Potholes East Canal and Other	\$ 34,101,991
General Plant	\$ 177,129,750
Total	\$ 695,973,768

Plus Land and Land Rights	\$ 3,537,492
Plus Construction-In-Progress	\$ 80,258,697
Less Depreciation	\$ (311,434,014)
Net assets	\$ 468,335,943

Transmission Lines - 115 kV	291 miles
- 230 kV	161 miles
Primary Distribution Lines (13.2 kV) Overhead	2,817 miles
Underground	943 miles
Substations	50
Released Fiber Areas	64
Fiber Cable - Distribution	684 miles
Backbone.....	279 miles

Electric Retail & Wholesale Power Sources

Bonneville Power Administration (BPA)	44%
Priest Rapids Project	31%
Market & Others	25%



QUICK SUMMARIES OF MAJOR PROJECTS

Shoreline Management Plan | Grant PUD manages the shorelines of the Priest Rapids Project on the Columbia River. The utility's Priest Rapids Project License requires consultation with FERC-identified stakeholders to complete a Shoreline Management Plan for the shorelines along the reservoirs created by the two dams.

Fiber Optic Network | Grant PUD has substantial telecommunications infrastructure to serve its utility systems' needs. Additional capacity on Grant's fiber optic distribution system has been made available to providers of high speed Internet services and telephone services.

Power Auction | Grant PUD's successful power auction program, one of the first in the nation, made it possible for the utility to share a reasonable portion of firm and non-firm power generation according to market based principles. Sharing benefits of the Priest Rapids Hydroelectric Project is a requirement of the utility directed by the Federal Energy Regulatory Commission and part of the utility's license. The auction provides the opportunity for utilities and power marketers throughout the United States and Canada to acquire clean, renewable hydropower for their energy portfolios.

Wanapum Fish Bypass | The fish bypass is an alternative passage route at Wanapum Dam that provides an opportunity for salmon smolts to bypass the turbines. The construction project was preceded by years of research, model studies and testing to determine how juvenile salmon travel within the water column as they approach the dam. Design and engineering of the bypass provide migrating salmon with the safest possible downstream passage route.

Energy Resources Mix

Type	Percentage
Biomass.....	0.24%
Coal.....	13.24%
Hydro.....	74.79%
Landfill Gases.....	0.03%
Natural Gas.....	5.12%
Nuclear.....	6.24%
Other.....	0.03%
Petroleum.....	0.11%
Waste.....	0.19%



DIGITAL RESOURCES | Available for Download Online

Images:

Wanapum Dam Aerial

High Res. / Medium Res. / Low Res.

Priest Rapids Dam Aerial

High Res. / Medium Res. / Low Res.

Priest Rapids Project Landscape

High Res. / Medium Res. / Low Res.

Priest Rapids Project Wildlife

High Res. / Medium Res. / Low Res.

Grant County PUD Employee (Hydro)

High Res. / Medium Res. / Low Res.

Grant County PUD Employee (Meter Reader)

High Res. / Medium Res. / Low Res.

Grant County PUD Employee (Customer Service)

High Res. / Medium Res. / Low Res.

Grant County PUD Employee (Lineman)

High Res. / Medium Res. / Low Res.

Grant County PUD Employee (Energy Conservation)

High Res. / Medium Res. / Low Res.

Wanapum Dam Fish Bypass

High Res. / Medium Res. / Low Res.

Advanced Turbine Project

High Res. / Medium Res. / Low Res.

Logo Images:

Primary Grant County PUD Logo

High Res. / Medium Res. / Low Res.

Stacked Grant County PUD Logo

High Res. / Medium Res. / Low Res.

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Digital Resources:

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- Internet usage of images must accompany in each use the company's name or logo or an adjacent credit line and/or a link to the company Website.



DIGITAL RESOURCES | *Available for viewing online*

Video:

Salmon in the Priest Rapids Project: An Unfolding Legacy

The Crossing at Vantage: A Story of Change

Two Dams: A Story of Achievement

Advanced Turbine Installation

Request Footage

To request additional b-roll or a-roll footage
contact the [Communications Team](#) at
(509) 754-0500



PRINT RESOURCES | *Available for viewing online*

Publications available upon request:

Annual Report

Electric Flyer

Fingertip Facts

Additional Information Requests

Requests for archived materials please contact the [Communications Team](#) at (509) 754-0500 or complete the *Request for Public Record* form attached [HERE](#).



Grant County
PUBLIC UTILITY DISTRICT
Media Kit



Grant County
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Excellence in Service and Leadership

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