

Water Service Information Guide

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General Policy Statement

Where Skagit PUD is the water purveyor and there is new construction, a remodel, an addition, revised plumbing, a land division, or change of use on a property, a water service evaluation will be necessary to ensure compliance with current Skagit PUD water policies.

Water Service Availability

Upon receipt of a project proposal description, property identification (County Parcel Number), site plan, water usage demands and fire protection requirements, water service availability can be determined by Skagit PUD.

Costs for water service and/or any water system improvements necessary for the project are to be borne by the customer/developer.

Water Meter Sizing

For water services other than for single-family residences, applicants are to submit to Skagit PUD a complete list of fixtures with their respective equivalent fixture unit values, and the minimum meter size necessary, based on the most current Uniform Plumbing Code (UPC). This can be completed by the applicants licensed architect, engineer or plumber. The portion(s) of the UPC (Chapter 6, Appendix A, etc.) used for fixture unit values and meter sizing is to be noted on the submittal, along with the preparer's name, signature, license number and phone number. Any irrigation demand shall also be included in these calculations.

Skagit PUD offers a "deduct" meter to customers whose water usage is a factor in determining their sewer bill. A "deduct" meter is intended and available for irrigation of minor landscaping and other incidental uses that will not enter the local sanitary sewer system. A "deduct" meter is installed immediately downstream of the domestic meter and shall not be larger than the domestic meter. The demand to be served by a "deduct" meter shall be included in the calculation for sizing of the domestic meter.

New water services, two-inch and smaller, will include a "check valve" in the meter assembly. Any customer plumbing system provided with a check valve, backflow preventer or pressure regulating device which does not have a bypass feature at its source shall be provided, **by the customer**, with an approved, listed adequately sized pressure relief valve or a means to control expansion (typically being a combination pressure/temperature relief valve and a thermal expansion tank) to satisfy building regulations. Consult with a licensed plumber, the appropriate local building department, and the UPC (Uniform Plumbing Code) for the specific requirements.

Cross Connection Control

Under current state regulations, the water purveyor is to protect the public water system from contamination via cross-connections. The water purveyor's responsibility for cross connection control begins at the water supply and ends at the point of delivery to the consumer's water system, the water meter. The "Authority Having Jurisdiction" (e.g.; City, County) is responsible for cross connection protection within the consumer's water system and property lines.

To protect the public water supply, Skagit PUD may require premise isolation of a facility. Appropriate planning should address the possible requirement of a Reduced Pressure Backflow Assembly (RPBA) or Double Check Valve Assembly (DCVA) to be installed immediately after any metered water service or fire service connection, now or in the future. DCVAs can be installed below ground with brass plugs in the test cocks. RPBA's are to be installed above ground with a minimum of 12-inches of clearance below the assembly to finish grade, and protected from freezing and abuse. If the RPBA is installed in an above ground enclosure, the enclosure must have a drain opening adequately sized to handle the maximum flow of the relief valve.

All backflow prevention assemblies are to be on the Washington State Approved List of Assemblies. Skagit PUD will require copies of the initial test(s) of the required backflow prevention assemblies and the owner will be responsible for subsequent annual testing and providing the test results to Skagit PUD.

Fire Protection

Contact the appropriate city or county fire department for fire protection requirements. Upon request, Skagit PUD can perform a computer generated hydraulic analysis of the existing water system to determine the available fire suppression flows to the development and to determine if water system improvements are necessary to obtain the required fire flow. Allow a minimum of one month for the analysis to be completed.

Project Plan Submittals

Please submit to Skagit PUD's Engineering Department a complete set of civil, architectural, mechanical, plumbing and irrigation plans for review and cost estimating.

Coordination With All Jurisdictions

Skagit PUD encourages you to initiate discussion with the appropriate jurisdictions (e.g.; City, County, State) and Skagit PUD, early in your project design process to determine feasibility. Timeframes for obtaining certain permits and approvals can be lengthy.