



King County
Department of Development
and Environmental Services
 900 Oakesdale Avenue Southwest
 Renton, WA 98057-5212
206-296-6600 TTY 206-296-7217

**WATER AVAILABILITY:
 KING COUNTY CERTIFICATE OF
 WATER AVAILABILITY**

For alternate formats, call 206-296-6600.

This certificate provides the Public Health - Seattle & King County Department and the Department of Development and Environmental Services with information necessary to evaluate development proposals.

Do not write in this box

Number Name

- Building Permit Preliminary Plat or PUD
 Short Subdivision Rezone or other: _____

Applicant's name: Enumclaw Recycling Center 08-V-03-18
 Proposed use: Recycling Center

Location (attach map and legal description if necessary):
 King County Parcel No. 3621069004, 3621069013, 3621069014

Water purveyor information:

1. a. Water will be provided by service connection only to an existing _____ (size) water main that is _____ feet from the site.
 OR
 b. Water service will require an improvement to the water system of:
 (1) 1500 feet of water main to reach the site; and/or
 (2) The construction of a distribution system on the site; and/or
 (3) Other (describe): hydrant(s) as required by King County and Fire District 28
2. a. The water system is in conformance with a County approved water comprehensive plan.
 OR
 b. The water system improvement is not in conformance with a County approved water comprehensive plan and will require a water comprehensive plan amendment. (This may cause a delay in issuance of a permit or approval.)
3. a. The proposed project is within the corporate limits of the district, or has been granted Boundary Review Board approval for extension of service outside the district or city, or is within the County approved service area of a private water purveyor.
 OR
 b. Annexation or Boundary Review Board (BRB) approval will be necessary to provide service.
4. a. Water is or will be available at the rate of flow and duration indicated below at no less than 20 psi measured at the nearest fire hydrant 1500 feet from the building/property (or as marked on the attached map):
Rate of flow at Peak Demand: less than 500 gpm (approx. _____ gpm) 500 to 999 gpm 1000 gpm or more
 flow test of _____ gpm calculation of 1250 gpm
Duration: less than 1 hour 1 hour to 2 hours 2 hours or more Other: _____
 (Note: Commercial building permits which include multifamily structures require flow test or calculation.)
 OR
 b. Water system is not capable of providing fire flow.
5. a. Water system has certificates of water rights or water right claims sufficient to provide service.
 OR
 b. Water system does not currently have necessary water rights or water right claims.

Comments/conditions: See attached memo for details and other conditions.

I certify that the above water purveyor information is true. This certification shall be valid for one year from date of signature.

City of Enumclaw	Scott Woodbury	360-615-5728
Agency name	Signatory name	
Assistant Public Works Director		4/25/18
Title	Signature	Date

Check out the DDES Web site at www.kingcounty.gov/permits

CITY OF ENUMCLAW

MEMORANDUM

DEPARTMENT OF PUBLIC WORKS

ENGINEERING DIVISION

TO: File

FROM: Scott Woodbury

DATE: April 25, 2018

**SUBJECT: Fire Flow/Water Availability – King County Parcel No. #3621069004,
3621069013, 3621069014
(379xx Enumclaw-Franklin Rd, Enumclaw)**

The proposed development is shown under the City's 2013 Comprehensive Water System Plan (CWSP) to be located within the City's future water service area. Pursuant to the CWSP, the feasibility of providing retail water service to the project/property is first subject to its ability to satisfy the threshold evaluation factors cited within the CWSP Policies and Design Criteria section (i.e., Future, Wholesale Service Areas, Page 5-5). Those factors are stated below:

1. Date that a written request for retail service is received.
2. Determination that adequate water supply exists beyond that required to meet existing and planned connections within the City's defined retail service area.
3. Compliance with City design, engineering, and operational standards.
4. Determination that costs relating to the extension of existing and/or construction of new mains, distribution lines, and other related facilities can be fully recovered by the City.

An existing City 8" water main ends about 1500 feet south of the proposed development at the intersection of the Enumclaw-Franklin Rd and SE 384th St. According to discussions with the applicant, annual water usage may total around 2.5 million gallons (MG) or about 27 equivalent residential units (ERUs) as defined under the Enumclaw Municipal Code. However, the environmental checklist submitted to the County for the project states that the applicant intends to use a permit exempt well to be the primary potable and non-potable water source for the project. A permit exempt well operating at 24 hours, 7 days a week has total annual quantity capacity of 1,825,000 gallons. Thus, under the applicant's proposed operational scenario, a main extension to the subject property would be used to provide only fire flow and supplemental/back up water supply.

In light of the above information, the proposed development does not appear consistent with City's retail service area policies and conditions of service based on the following two findings.

1. The conversion of a future service to retail service area status depends on the project applicant meeting the applicable criteria, including the requirement that: "costs relating to the extension of existing and/or construction of new mains, distribution lines, and other related facilities can be fully recovered by the City." See Future/Wholesale Service Areas Policy (4): page 5-5. These costs must cover the full depreciation and operational costs of the main over its life cycle and ensure that future renewal and replacement of the main can be done without need for subsidy from the general rate payer base. To effect full cost recovery in a reasonable period of time, all of the project's water demand of 2.5 MG would need to be purchased from the City through a metered connection at the applicable commercial water rate. Therefore, the applicant's proposal to limit the City's provision of retail water supply to serve as only a supplemental or back up source for the development is not compliant with the City's applicable service policy.

2. The City's CWSP Retail Service Area policy (Page 5-4) states that "Individual wells may be installed for single family residential use on existing platted lots over 5 acres in size and within the City's service area." The applicant's commercial/industrial development project does not qualify for the "individual well" exception to the City's connection policies for retail customers. Consequently, the permit exempt well proposed by the applicant to serve the potable/and non-potable water demands of the development is not compliant with the City's applicable service policy.

Should the development applicant desire to complete a main extension and become a retail service area customer of the City, the applicant should be advised of the above two policies and required to comply with both as a condition of service. Should these conditions be met then water service is available to the proposed development subject to compliance with the following conditions of service:

1. A minimum 8" water main extension of at least 1500 feet completed by the developer. The main would be located in the county right-of-way of the Enumclaw-Franklin Rd. All water system design shall be in accordance with the CWSP. There are five parcels in the City service area north of the proposed development, but as these are designated forest land it may not be in the City's interest to require the water main to be extended the length of this development proposal's road frontage per CWSP policy, but to end the main near the development's south property line. This would require the processing of a water service area boundary adjustment through the County before a final decision can be made on the final length of main to be extended.
2. Installation of the appropriate sized water meter and payment of all associated costs, including connection charge fees based on the total amount of projected water demand in ERUs. The charge for an ERU outside the City is currently \$11,583.
3. Decommission the permit exempt well in accordance with applicable state regulations.

Compliance with the above conditions of service must occur in a manner consistent with the City's Design Criteria as documented in its 2013 CWSP.

Static pressure in the extended water main would be approximately 83 psi based on an approximate elevation of 695 feet at the south property line (1929 NGVD Datum) and may require a pressure reducing valve on the property owner's side of the water meter. An expansion tank must be installed on any hot water tank to accommodate thermal expansion in the customer's plumbing. The City meter setter has a check valve that prevents thermal expansion into the City water main. An approved double check valve assembly backflow device will be required on the water service to the property. Other backflow devices may be required as part of the County plumbing permit review.

Water service cannot be provided by bulk trucking of water from any hydrant in the Enumclaw system. It is not the policy of the City to allow water users to circumvent paying their fair share of applicable connection charges by the bulk hauling of water.