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| Review of the King County Water District No. 119 Water System Plan (the Plan) |
| Service Area  King County Water District No. 119 owns and operates a water system located in the northcentral part of unincorporated King County approximately three miles north of the City of Carnation and three miles east of the City of Duvall. The District's planning area covers a total of 22,000 acres. The original District was formed in the early 1960’s to serve, primarily, recreational summer cabins located around Lake Marcel and Lake Joy. The District’s boundary currently encompasses a total area of approximately 8,006 acres. There is one pending annexation, Mundy-Dunlap, which was proposed in 2015 to serve several existing homes that are currently being served by failing individual wells.  The District presently serves approximately 3,337 people based on the 1,209 service connections active at the end of 2014. Approximately 65 percent of the property within the District's existing corporate boundary is presently capable of being served by the installation of a service tap to an existing main. A handful of lots located within the District corporate boundary are served by the City of Duvall’s supply system under an interlocal agreement.  The 2009 Regional and Sub-County Population forecasts produced by the Puget Sound Regional Council projects an annual composite growth rate of 1.7 percent for this area. The District believes the most logical long-term rate of growth for the District will fall between the straight line projection of 5 connections per year and the 0.5 percent curve. It is estimated that the District population will be approximately 3,200 by the year 2021 and in the range of 3,300 to 3,901 people by the year 2031. Combining the total number of lots allowed by zoning restrictions with the existing platted lake area lots results in a total of 4,100 potential services. This number makes an allowance for the existing platted lots which have gross land areas less than the present zoning allows, as well as areas that could come under "sensitive area" determinations due to steep slopes, wetlands, etc. Therefore, the 4,100 figure represents an approximate absolute upper limit to the potential number of water services based on the present zoning.  The District’s non-revenue water ranged from approximately 5 percent to approximately 9 percent, with an average of 9.3 percent from 2013 to 2015.  Reclaimed Water  The District does not use reclaimed water but is open to looking at opportunities for use of reclaimed water should it become available. The District did complete King County’s Water Reclamation Evaluation Checklist.  SEPA  The District completed a State Environmental Policy Act (SEPA) checklist for the Plan and, as lead agency under SEPA, issued a determination of nonsignificance for the approval of the Plan on December 15, 2015. There were no appeals. |

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|  | A. General, water and sewer plan specific King County Code (KCC) 13.24.010 | Comments/findings |
| (1) | The code is applicable to water utilities that obtain water in unincorporated areas and provide service in unincorporated areas of King County. | * The District distributes water in unincorporated areas of King County, making review under KCC 13.24 and chapter 57.16 RCW appropriate. |
| (2) | Water system plans should be submitted every six years or sooner if required by the Washington State Department of Health (DOH). | * The District’s last water plan was in 1996. * The District submitted the Plan to DOH in January 2016 and will seek approval of the Plan. |
| (3) | The infrastructure for existing and future service areas based on adopted land use map. | * Yes, King County land use and zoning maps were appropriately used in determining the water demand projections. |
| (4) | The Plan contains sufficient information to demonstrate the ability to provide services consistent with the requirements of all applicable statutes, codes, rules, and regulations. | * Yes, the Plan demonstrates that the District has ample water supply to provide service consistent with the requirements of all applicable statutes, codes, rules, and regulations. |
| (5) | The Plan is consistent with Washington Administrative Code (WAC) 246-290-100 for the water service. | * Yes, the Plan is consistent with the applicable rules. |
|  | B. Consistency requirements: 13.24.060 |  |
| (6) | King County Code related to the installation of fire hydrants and water mains. | * Yes, the Plan proposes to provide adequate fire flow; there are several proposed capital improvement projects to increase fire flow for portions of the District. |
| (7) | State and local health requirements. | * The Plan has not yet been approved by DOH. * The UTRC review process included a representative of Public Health-Seattle and King County. |
| (8) | Elimination or prevention of duplicate facilities. | * The District has written agreements with other water providers regarding areas to be served in order to avoid overlapping jurisdiction and to ensure efficiency in the use of existing facilities. |
| (9) | Promotion of most healthful and reliable services to the public. | * Yes. |
| (10) | Provision of service at a reasonable cost, and maximization of use of public facilities. | * Currently, the District charges a rate that is in the affordable range. |
|  | C. King County Comprehensive Plan (KCCP) – consistency with provisions and specific policies |  |
| (11) | Consistency with the KCCP and applicable County plans and policies including the Flood Hazard Management Plan and Emergency Response Plan. | * Yes, the Plan is consistent with the applicable comprehensive plans. |
| (12) | Consistency with the Coordinated Water System Plans adopted in KCC 13.28. | * Yes, the Plan is consistent with the East King County Coordinated Water System Plan (CWSP). * The District CWSP designated service area boundary is concurrent with its retail service area. * Wherever feasible, the District may encourage satellite management as a part of its services within its service area. * The District satellite manages the Novelty Hill Water System which serves nine residential properties. |
| (13) | Basin-wide or multi-basin water plans, sewerage plans, or both when approved by the Washington State Department of Ecology or the Washington State Department of Health. | * Not applicable. |
| (14) | Applicable state water quality, water conservation (e.g., chapter 90.54 RCW and RCW 90.48.495), and waste management standards. | * Yes. The District implements a basic water conservation program. |
| (15) | Growth Management Act; chapter 36.70A RCW. | * Yes, the Plan is consistent with the Growth Management Act. See specific policies below. |
| (16) | Groundwater Management Plans. | * Not applicable. |
| (17) | Federally-approved habitat conservation plans and recovery plans under Endangered Species Act, and other plans, including regional water supply or water resource management plans. | * The District is aware of, and supports, the planning done for salmon recovery purposes. * There is no active applicable regional water supply plan. |
| (18) | Applicable requirements to evaluate opportunities for the use of reclaimed water under chapter 90.46 RCW. | * Yes, the District evaluated reclaimed water use opportunities. |
| (19) | State Environmental Policy Act documentation. | * The District completed a SEPA checklist and issued a determination of nonsignificance for approval of the plan on December 15, 2015, with no appeals. |
|  | COUNTYWIDE PLANNING POLICIES |  |
| (20) | DP‐13:All jurisdictions shall plan to accommodate housing and employment targets. This includes: “Coordinating water, sewer, transportation and other infrastructure plans and investments among agencies, including special purpose districts;…”. | * Yes, the District does this. |
| (21) | PF‐4: Develop plans for long‐term water provision to support growth and to address the potential impacts of climate change on regional water resources. | * The District obtains water supply from the City of Seattle and has a reasonable plan for long-term water supply to meet projected growth. The Plan does not discuss climate change impacts on water supply. |
| (22) | PF‐5: Support efforts to ensure that all consumers have access to a safe, reliably maintained, and sustainable drinking water source that meets present and future needs. | * Yes, the District does this. |
| (23) | PF‐6: Coordinate water supply among local jurisdictions, tribal governments, and water purveyors to provide reliable and cost‐effective sources of water for all users, including residents, businesses, fire districts, and aquatic species. | * The District has an agreement in place with the City of Duvall regarding utility coordination. The District does not have any interties for emergency supply. |
| (24) | PF‐7: Plan and locate water systems in the Rural Area that are appropriate for rural uses and densities and do not increase the development potential of the Rural Area. | * Yes, the District does this. |
| (25) | PF‐8: Recognize and support agreements with water purveyors in adjacent cities and counties to promote effective conveyance of water supplies and to secure adequate supplies for emergencies. | * The District has agreements with neighboring utilities for emergency situations. |
| (26) | PF‐9: Implement water conservation and efficiency efforts to protect natural resources, reduce environmental impacts, and support a sustainable long‐term water supply to serve the growing population. | * The District’s three-year average distribution system loss is 9.3 percent which is below the action level of 10 percent. |
| (27) | PF‐10: Encourage water reuse and reclamation, especially for high‐volume non‐potable water users such as parks, schools, and golf courses. | * See 18. The District completed King County’s Water Reclamation Evaluation Checklist. There are no opportunities to use reclaimed water at this time. |
|  | KING COUNTY COMPREHENSIVE PLAN (KCCP) POLICIES |  |
| (28) | F-107: Plan for provision of services to rural areas. | * Not applicable. |
| (29) | F-108: King County to work with cities and service providers to establish priority areas for public funding of capital facilities. | * The capital improvement program (CIP) is adequate and appropriately focused with funding sources identified. |
| (30) | F-201: All facilities and services should be provided in compliance with provisions and requirements of the Endangered Species Act (ESA) and the Clean Water Act. | * Yes, to the extent known, facilities and service are provided consistent with the federal laws. |
| (31) | F-209: Support rural levels of development and not facilitate urbanization. | * Yes, the District does this. |
| (32) | F-210: Capital facility plans and improvement programs for services to unincorporated King County are consistent with the KCCP. | * Yes, the CIP is consistent with the KCCP. |
| (33) | F-211: King County helps coordinate development of utility facilities. | * Yes, to the extent applicable, King County will do this. |
| (34) | F-221: King County shall initiate a sub-area planning process with any service provider that declares, in its capital facilities plan, an inability to meet service needs within service area. | * Not applicable. The District did not identify any inability to meet service needs within its service area. |
| (35) | F-223: If a service deficiency is identified in a service provider's existing service area, King County and the applicable service provider shall remedy the deficiency through a joint planning process addressing capital improvement programs and long-term funding strategies reuse programs. | * Not applicable. The District did not identify any inability to meet service needs within its service area. |
| (36) | F-231: King County supports coordination of regional water supply planning, sales of excess water supplies among municipalities in the region, water quality programs and water conservation, reuse and reclaimed water programs. | * Yes, the District supports regional water supply coordination. |
| (37) | F-232: Water utilities that obtain water from, or distribute water in unincorporated King County, and water utilities formed as special purpose districts under Title 57 RCW are required to submit water system plans to the County for review and approval and shall describe in their plans how they intend to meet their duty to provide service within their retail service areas. | * The District is a special purpose district under Title 57 RCW. * The District also obtains and distributes water in unincorporated King County, so the plan is subject to review and approval by the King County Council. |
| (38) | F-248 King County shall partner with utilities to publicize water conservation and encourage best management practices that conserve potable water supply through measures that include use of alternative supplies such as reclaimed water. | * Yes, the County will do this. |
| (39) | F-246: King County supports interties that allow the transfer of water resources among water utilities to meet the projected demands for growth where such interties meet the requirements of RCW 90.03.383 and are also consistent with any applicable locally adopted comprehensive plans, regional water supply plans, adopted groundwater management plans, watershed plans, approved Coordinated Water System Plans, and response requirements of ESA and Clean Water Act. | * There are currently no water piping interties between the District and any of the three adjacent systems (City of Carnation, City of Duvall, and a community owned system which serves about 170 residences surrounding Lake Margaret) although there have been discussions with the cities of Duvall and Carnation about interties. |
| (40) | F-249: Utilities with more than one thousand service connections required to submit water system plans for approval to King County shall include an evaluation of reclaimed water use opportunities by completing King County’s Water Reclamation Evaluation. | * The District did an evaluation of reclaimed water use. |
| (41) | F-251: In its review of water system plans, the UTRC shall consider the criteria provided in KCC 13.24.010, 13.24.060, and 13.24.070, and determine the plan’s consistency with the following:  a. Applicable provisions of the King County Comprehensive Plan, land use plans, and development regulations adopted under the Growth Management Act;  b. Approved or adopted regional water resource plans, such as basin plans, groundwater plans, watershed-based conservation and recovery plans developed under ESA, salmon recovery plans developed under chapter 77.85 RCW, water resource plans developed under chapter 90.54 RCW, watershed plans developed under chapter 90.82 RCW, and a regional water supply plan or water resource management plan;  c. The County’s Regional Wastewater Services Plan; and  d. Other applicable provisions of countywide plans managed by King County, as specified in UTRC Guidance or checklists. | * The UTRC did consider these issues and recommends approval of the Plan. |
| (42) | F-252: In reviewing proposals for modified and expanded service area boundaries for municipal water suppliers, the UTRC shall consider, in addition to Policy F-251:  a. Compliance by the water system with its water system comprehensive plan, including water conservation elements;  b. Whether it can meet its duty to provide service within its service area, as required under chapter 43.20 RCW; and  c. Consistency with the service provisions of any applicable Coordinated Water System Plan, as adopted in King County Code Chapter 13.28. | * The District is not planning to change its service area. |
| (43) | F-253: Consistent with Countywide Planning Policies, public drinking water system surface water reservoirs and their watersheds should be managed primarily for the protection of drinking water, but should allow for multiple uses, including recreation, when such uses do not jeopardize drinking water quality standards. Public watersheds must be managed to protect downstream fish and agriculture resources. | * Not applicable. |
| (44) | F-254: Groundwater-based public water supplies should be protected by preventing land uses that may adversely affect groundwater quality or quantity to the extent that the supply might be jeopardized. The County shall protect the quality and quantity of groundwater used as water supplies through implementation of Policies E-493 through E-497 where applicable. | * Not applicable. |