

City of Edgewood General Sewer Plan

June 2023 Revisions

Pierce County

1. Comment: Page 4-2. Please update the City's plan to show the Puyallup School District, City of Edgewood, Northwood Elementary School, and Edgemont Junior High, have connected to the City of Edgewood's sewer system. Additionally, please update the sewer line to show it serves 8 homes, only 5 homes stated.

Response: The number of connections has been revised in Table 2-1. Figure 2-1 identifies that the Puyallup School District properties are located in the City of Edgewood sewer service area. In addition, the text on Page 4-2 has been revised to state "Since the agreement the Puyallup School District's Northwood Elementary School and Edgemont Junior High have connected to the City of Edgewood's sewer system."

2. Comment: Page 4-6. Please update to reflect the school is not connected to Pierce County's sewer system and update the number of connections.

Response: The text on Page 4-6 has been revised to reflect this comment.

3. Comment: Page 4-6. Pierce County suggests limiting the system inventory to only assets inside the City of Edgewood limits, or 1,595 feet of 8" public sewer. Currently Pierce County does not own the private system for the Puyallup School District.

Response: The text on Page 4-6 has been revised to reflect this comment.

4. Comment: Page 5-13. Please update Basin 9 to show revised connections.

Response: Revised to include 8 connections.

5. Comment: Page 5-13. The number of connections in the 4 years appears to be higher than 3.8% growth.

Response: The number of connections assumes the existing sewer and unsewered developed properties are sewer. 3.8% growth of currently undeveloped properties is assumed.

6. Comment: Page 5-13. The growth projections assume there will be connections in basin 12 and 13. These basins do not have any sewer assets and Pierce County currently has no plans to build sewers in this area. Should the City of Edgewood have new connections the city will need to contact Pierce County and begin the process for an Interlocal Agreement prior to connection to the sewer system.

Response: Noted. The following text has been added on Page 6-1. " It is anticipated that all new sewers within the City of Edgewood would be owned and operated by the City. Requests for the conveyance of new or increased sewer flows from the City to adjacent sewer collection/treatment providers would need to be formalized through an Interlocal Agreement between the City and the provider. "

7. Comment: Page 5-15. The 150 gpd/RE is a reasonable wastewater production for a brand-new system but for existing homes and for increased I&I over time this is a low number.

Response: 150 gpd/RE is the annual average base flow. I/I rates for average annual day, maximum month, maximum day and peak hour are added to the base flow rate.

8. Comment: Page 6-6. Please include basin 12 as part of the wastewater collection system and the proposed sewer service providers discussion.

Response: Noted. The text on Page 6-10 has been revised.

9. Comment: Page 6-8. If possible, could Pierce County flow projections be split into Basin 9, 12 and 13? This way Pierce County can plan for basins 9 and 12 impacts to the County's Pump Station 98.

Response: The following has been added to Page 6-7. "The estimated average day annual flow at buildout for the areas that are currently directed to the Pierce County Sewer System, Basin 9, is 0.019 mgd. The estimated total average day annual flow at buildout that is proposed to be directed to Pierce County from Basin 12 is 0.008 mgd and from Basin 13 is 0.073 mgd. The total average day annual flow at buildout tributary to the Pierce County sewer system from the basins identified in this plan is 0.100 mgd.

10. Comment: Page 6-10. While the gravity system may have capacity, the line that services basin 9 and 12 flows to a Pierce County pump station. Please update flows and Pierce County will need to review final flows to ensure capacity needs are met.

Response: See response to Comment 9.

11. Comment: The design for Edgewood's pump station 18 does not appear to follow the County's typical design method and will need to be addressed in the future.

Response: Noted.

City of Fife

1. Comment: Page 2-1, Table 2-1. City of Fife Phase I (Non-Core West) area should be updated to 186 acres per the 2014 City of Fife Sewer Plan Amendment.

Response: Table 2-1 has been revised.

2. Comment: Page 2-1, Table 2-1. Footnote (4) citation should be 2013 Fife/Edgewood Interlocal Agreement for Sanitary Sewer Service.

Response: Footnote (4) has been revised.

3. Comment: Page 2-15, 3rd bullet point. Note: in the 2014 City of Fife Amended Sewer Plan this area is identified as basin 13.

Response: The following has been added to the 3rd bullet point, Page 2-15. "(Note: This basin is identified as Basin 13 in the 2014 City of Fife Sewer Plan Amendment.)"

4. Comment: Page 2-16. Revise *General Sewer Plan Update* to *Sewer Comprehensive Plan Update*.

Response: Reference has been revised.

5. Comment: Page 2-16. Add text: The City of Fife will also need to review their current service agreement with the City of Tacoma and possibly enter into renegotiations of the agreement on allowing additional future treatment capacity to convey from Edgewood through Fife.

Response: Text has been revised.

6. Comment: Page 2-18. Fife will need to include these additional sewer basins (referring to Basins 10, 11, 14 and 15) to its Sewer Comp Plan Update. Also Fife will need to create a new sewer service boundary to include City of Edgewood Basins.

Response: The following text has been added to the discussion of the City of Fife on Page 2-16. "Fife will need to revise the City's service area boundaries and the 2013 Interlocal Agreement for Sanitary Sewer Service to allow wastewater flow from areas of Edgewood that were not included in the Non-Core West Phase I Sewer Areas, Basins 11, 14 and 15, to be transferred to Fife."

7. Comment: Page 4-6. Where did this information come from?

Response: The 8,627 feet of 8-inch gravity sewer has been revised to 16,400 feet of gravity sewer to include all of Basin 10 existing sewers. The 8,627 feet of 8-inch gravity sewer is only the portion that is included in the InfoSewer model of the system (the southern portion of Basin 10).

8. Comment: Page 5-10. 0.9 in the equation ($143 \text{ gpd} \times 0.9 = 136 \text{ gpd}$) should be 0.95.

Response: This has been corrected.

9. Comment: Page 5-13, Table 5-6. The areas shown for Basin 10 should be updated to 186 acres per the 2014 City of Fife Sewer Plan Amendment.

Response: The table has been corrected.

10. Comment: Page 5-14, Table 5-6. The font in the Acres column for Basins 25-31 is in a different font.

Response: The table has been corrected.

11. Comment: Page 5-16, Table 5-7. This plan base flow is 150 gpd/ERU. I/I is added on top of that (ave annual I/I 54 gpad) which is less than Fife's 230 gpd/ERU assumption. Yes, if allowable discharge to Fife was determined on flow versus number of ERUs there would most likely be more than 600 ERUs to meet a flow number.

Response: Noted.

12. Comment: Page 6-1, Sewer Design Criteria, "requirements" should be "design and construction requirements".

Response: Text has been added.

13. Comment: Page 6-4, Can Parametrix can get the InfoSewer information for the Fife system to use in a sewer model for the Fife Sewer Plan update.

Response: Yes, the InfoSewer information for the portion of the Fife system that was modeled will be transmitted to Parametrix. Only the southern portion of the system was modeled. Plans were not available for the northern portion of the system in Basin 10.

14. Comment: Page 6-6. Note: The Non0Core West Phase I buildout would exceed the current capacity service agreement with Fife (0.138 MGD).

Response: Noted.

15. Comment: Page 7-2. Revise the date of the *2016 City of Fife General Sewer Plan* to *2014*.

Response: Text has been revised.

16. Comment: Page 7-10. Change Fife Municipal Code 13.11 to Fife Municipal Code Chapter 13.08 Sewer System.

Response: Text has been revised.

17. Comment: Page 8-2, Table 8-1. Should include a table footnote that references all associated project costs.

Response: Footnotes have been added to Table 8-1.

Lakewood Water and Sewer District Comments

1. Comment: Section 5, Table 5-3: Indicating 136-143 GPD (actual....safety-factor recommended increase to 150 GPD) = 1.00 ERU, and this is notably different than what LWSD uses (currently 210 GPD). Without thoroughly going thru & trying to compare our Comp Plan figures for system design vs. financial report from our consultant for CFC\$ calcs (to see if there's any differences)...think we need to even comment here? I'm thinking not, as what they can send to LWSD is (still) limited by ILA terms of 0.692 MGD.

Response: Noted.

2. Comment: Page 7-4, Section 7. LWSD's current smoke-testing program only test when we feel there may be a problem that needs further investigation.

Response: Text has been revised to reflect this comment.

3. Comment: EMC 11.35.090 (System extension agreements), Section N: City E amount is 20% of construction costs (min. \$5,000). I'll review if LWSD needs to increase from current 10% (same min.), or if our City DE forms will need to indicate the different % amount.

Response: Noted.