

CITY COUNCIL REGULAR SESSION

Resolution authorizing execution of an Interlocal Agreement between the City of Bellevue and the City of Kirkland for an Emergency Water Intertie located at Points Drive and 96th Avenue NE.

Nav Otal, Director, 452-2041

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EXECUTIVE SUMMARY

This Resolution adopts an interlocal agreement that describes the terms of use for a new water system emergency connection (intertie) at NE Points Drive and 96th Avenue NE in Kirkland.

The City of Bellevue normally provides water service to the Town of Yarrow Point through a single 12" pipeline that crosses State Route 520 at 92nd Avenue NE. Bellevue's water system policies dictate that this area should have at least a second, redundant water supply based on population. Consistent with this policy, an emergency intertie was constructed at Points Drive and 96th Avenue NE to provide redundant water service to Yarrow Point through adjacent water mains in the City of Kirkland's system.

RECOMMENDATION

Move to adopt Resolution No. 9981.

BACKGROUND/ANALYSIS

The City of Bellevue provides water service to the town of Yarrow Point, following Bellevue's assumption of King County Water District #68 (a.k.a. "Bellevue Water District") in 1973, and subsequently Bellevue's assumption of water service operations from King County Water District #1 in 2005. In addition to portions of northwest Bellevue (including Downtown), Water District #68 also provided service to an area including Clyde Hill, Medina, Hunts Point, and roughly the southern half of Yarrow Point. Water District #1 served the northern portion of Yarrow Point. Bellevue's historical water districts are shown in Figure 1-1 of the 2016 Water System Plan¹.

The entire Town of Yarrow Point is supplied water through a single 12" pipeline that crosses State Route 520 at 92nd Avenue NE. The City of Bellevue's Service Reliability policy (2016 Water System Plan¹, page 2-3) establishes that no more than 250 single-family houses should be served by a single pipeline. Yarrow point includes over 400 houses, which exceeds this maximum threshold; therefore, a redundant pipeline was needed.

An opportunity was identified to provide redundant supply to Yarrow Point via an emergency intertie with the City of Kirkland near the intersection of Points Drive and 96th Avenue NE, where both systems have water mains. To minimize costs and public impacts, the intertie was constructed by Bellevue in 2018 during previously scheduled replacement of the connecting water mains in Points Drive. The intertie consists of a buried pipeline connection, with two isolation valves and a fire hydrant assembly to allow for flushing.

¹ https://bellevuewa.gov/sites/default/files/media/pdf_document/2020/WSP_Vol_1_errata.pdf

Due to the difference in pressure between water systems, the intertie can only be operated when Yarrow Point is isolated from Bellevue's system in an emergency or a temporary planned shutdown (e.g. to replace or repair water main). The intertie primarily benefits only Bellevue's customers in Yarrow Point and does not provide a foreseeable benefit to Kirkland.

The Agreement dictates terms for how and when the emergency intertie is operated, including notification, billing, indemnification, and other stipulations. Water volumes would be estimated using the sum of individual customer meters in the benefitting area, plus any known unmetered volumes (e.g. water main flushing). Water would be billed at the corresponding member payment to Cascade Water Alliance, plus an additional 10 percent to account for unmetered volumes (e.g. leakage, main flushing, etc.) and impacts to the supplying city's water system operations (e.g. additional staff time).

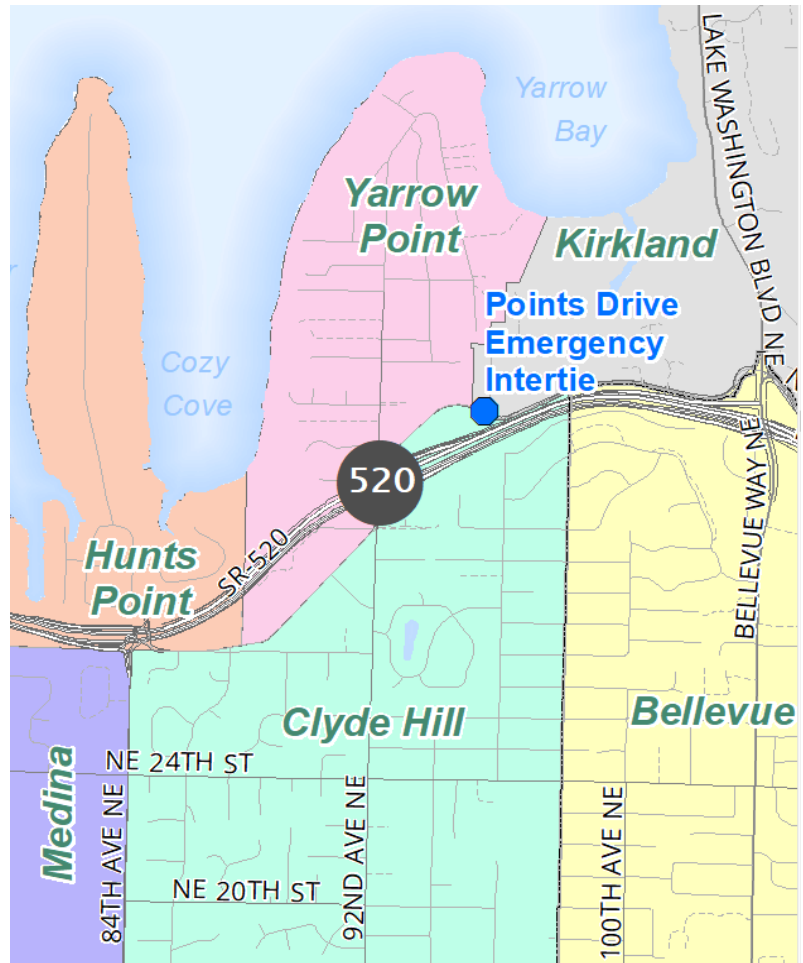


Figure 1: Points Drive Vicinity Map

POLICY & FISCAL IMPACTS

Policy Impact

Council approval is required to execute an interlocal agreement with another government. RCW 39.34.080; Procurement Policy at 43. This action is consistent with the City's Water System Plan policy for service reliability, as described above.

Fiscal Impact

This action would authorize use of an emergency water supply, with water billed to Bellevue as described above.

OPTIONS

1. Adopt the Resolution authorizing execution of an Interlocal Agreement between the City of Bellevue and the City of Kirkland for an Emergency Water Intertie located at Points Drive and 96th Avenue NE.
2. Do not adopt the Resolution and provide alternative direction to staff.

ATTACHMENTS & AVAILABLE DOCUMENTS

- A. Interlocal Agreement between the City of Bellevue and the City of Kirkland for Emergency Water
Intertie, Points Drive and 96th Avenue NE
Proposed Resolution No. 9981

AVAILABLE IN COUNCIL LIBRARY

N/A