

## CITY COUNCIL 11.B

### CITY OF LYNNWOOD CITY COUNCIL

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**TITLE:** Interlocal Agreement: With Alderwood Water and Wastewater District for Sewer Pipe Lining

**DEPARTMENT CONTACT:** Bill Franz, Public Works

**SUMMARY:**

The purpose of this agenda item is to enter into an Interlocal Agreement with Alderwood Water and Wastewater District for the 2023 Cast-In Place Sewer Pipe Rehabilitation Project. The agreement outlines how the project will be jointly executed.

**PRESENTER:**

David Mach, City Engineer

**ESTIMATED TIME:**

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**BACKGROUND:**

There are over 100 miles of gravity sewer pipe located within the city limits. Much of this pipe was installed as properties were developed over the past 60 years. Staff regularly inspects the condition of the pipe using a video camera system. Typical damage includes root invasion which causes cracking in the pipe.

Cracks and abandoned service connections typically are the greatest cause of leaks, which allows groundwater to enter the system. These leaks can be minor but when spread out over the many miles of pipe can add up to a significant flow rate. So much so that flows through the city's many sewer lift stations and the treatment plant can more than double during storm events. This becomes a major problem since the lift stations and the treatment plant need to be "oversized" to accommodate these flows. It is in the city's best interest to separate the storm water flow from the sanitary sewer flows. Doing so cuts down on facility costs and electricity demands.

Removing old sewer pipe and replacing it with new can be extremely costly and disruptive. A newer technology called Cast-In Place Pipe (CIPP) has been developed to repair existing damaged pipe in place without the need for it being excavated. The CIPP process involves an epoxy resin coated liner that is inserted into an existing pipe using compressed air and then held in place with compressed air until the epoxy hardens. The end result is a new pipe within the existing pipe. The liner does an effective job at sealing all the cracks and keeping roots from infiltrating the pipe in the future.

Staff recommends partnering with Alderwood Water and Wastewater District (AWWD) to line approximately 2,000-3,000 linear feet of the city's sewer pipe in 2023. The city has partnered with AWWD in the past to install CIPP. Staff was very satisfied with the work product and pricing. It is advantageous to the rate payers of both agencies to prepare a joint contract with larger quantities which typically results in lower contractor bid prices. AWWD will act as the lead agency and will likely include other cities, in addition to Lynnwood.

Staff and legal have reviewed the proposed Interlocal Agreement. Staff supports the agreement.

**SUGGESTED ACTION:**

Authorize the Mayor to enter into and execute on behalf of the City, an Interlocal Agreement with the Alderwood Water and Wastewater District to jointly execute the 2023 Cast-In Place Sewer Pipe Rehabilitation Project.

**FUNDING:**

Estimated cost: \$254,000

Revenue: Utility Fund 412

**DEPARTMENT ATTACHMENTS**

Description:

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[S2201 ILA - Lynnwood.pdf](#)