

Public Information Meeting
Private Water Systems Inspection
and Maintenance Program
Wednesday, March 29, 2023
5:00 PM



Meeting Overview

- Introductions
 - Scott Thoresen, Director of Public Works
 - Eric Zygarlicke, Water Department Supervisor
- Purpose
- Terminology
- Program Overview
- Implementation
- Questions



What Is The Purpose?

- DNR 2020 Sanitary Survey recommendation: *“The department encourages the City to move forward in finalizing the development of a private water main maintenance program. Such a program would allow the City to ensure all private water mains are able to provide firefighting capacity when needed and may help reduce water loss due to locating previously unidentified leaks.”*



Project Terminology

- Public Water System
- Private Water System
- Water Main
- Hydrants
- Valves
- Leak Detection



Project Terminology

- **Public Water System**

- The [Safe Drinking Water Act](#) defines a public water system as a system that provides drinking water to at least 15 service connections, or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- Municipal community systems, like cities, towns, and villages, serve people where they live.



Project Terminology

- **Private Water System**
 - Privately owned water main with a hydrant, and not directly controlled by a public authority or a municipality.
- **Water Main**
 - Underground pipes that deliver a steady supply of fresh, clean drinking water to residents and businesses.



Project Terminology

- **Hydrant**

- Above-ground pillar-type device serving as a connection point by which firefighters can tap into a water supply.
- A component of active fire protection
- “Private hydrant” as defined in (PSC) 185.12(15) is any hydrant whose lead is connected to a private water main, private lateral, or public main where the hydrant lead is owned by the customer.



Project Terminology

- **Valves**

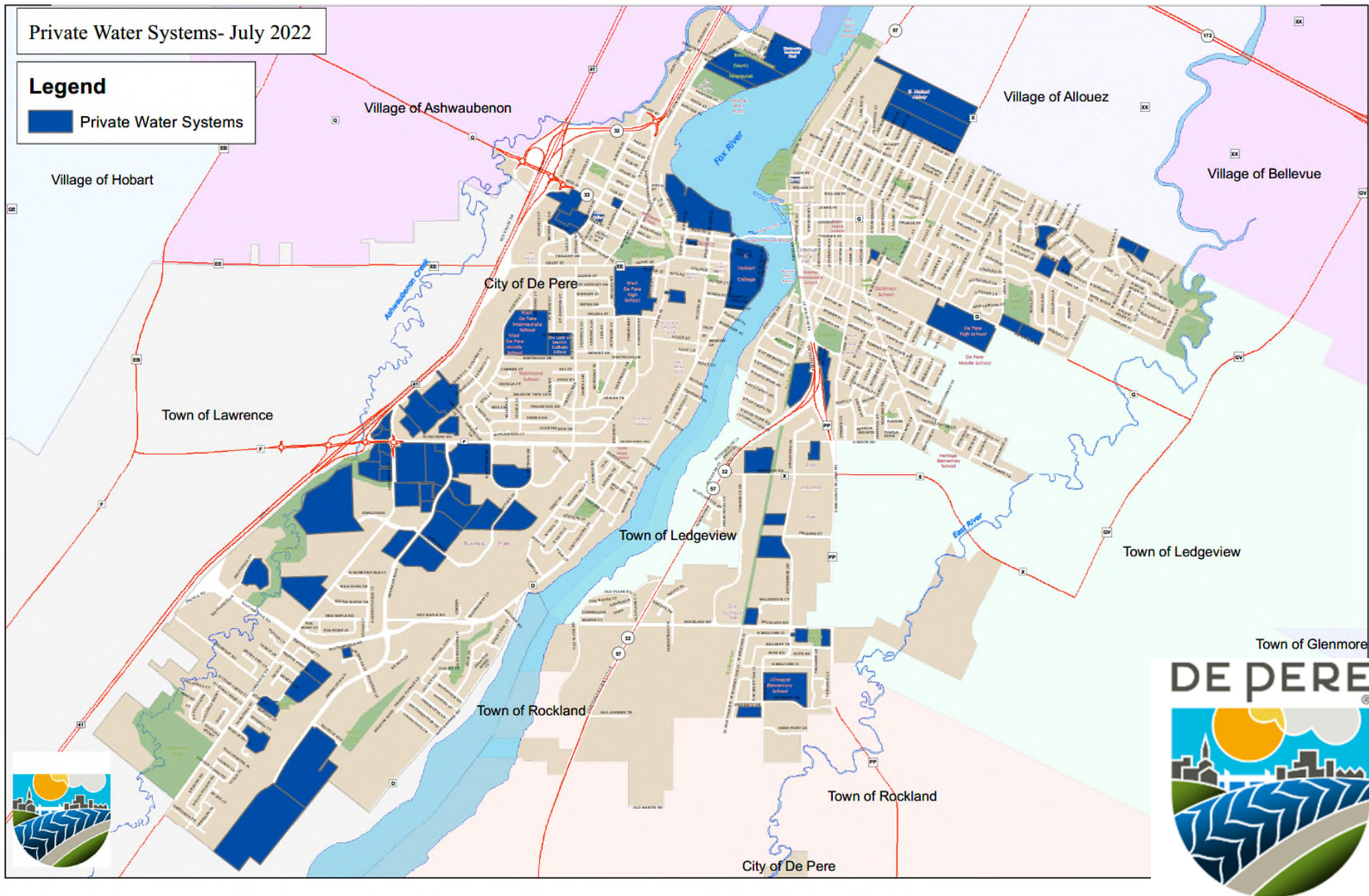
- ¼ turn, gate or butterfly valves operated by mechanical means to control water flow or pressure.

- **Leak Detection**

- The process by which listening devices are used to find leaks or water loss underground.



Private Water Systems Locations



Private System Example

- St. Norbert College



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Project Overview

- BOPW April 2021
- Identify Private Water Systems
- Develop a Map of Private Systems using GIS
- Notify the owners of the Private Systems
- PIM March 2023
- Receive Public Feedback
- BOPW Update April 2023



Project Overview Continued...

- BOPW Draft Ordinance June 2023
- Approved Ordinance December 2023
- Implementation of Ordinance July 2024



What would the new ordinance requirement look like?

- Enter into an agreement with the City or contractor to perform general distribution maintenance.
- Provide the City with GIS or survey data and as-builts of your system.
- Provide fire flow data
- Provide leak detection report
- Provide a Maintenance report on the operational status of all hydrants and valves



QUESTIONS?



Closing

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