



Sanitary Sewer Overflow

# Recommended Wet Weather Cost Apportionment Approach

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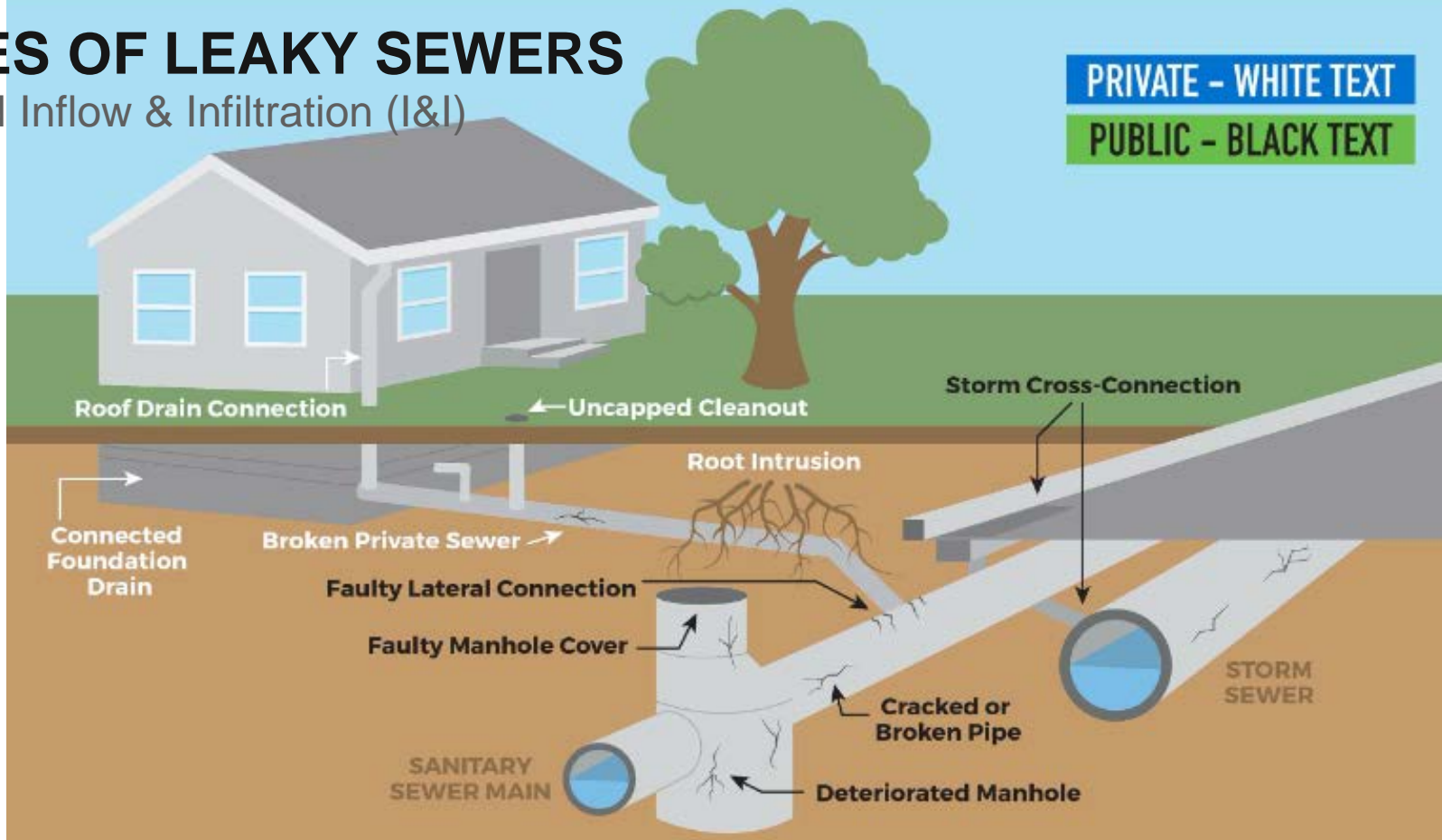
General Manager, Liquid Waste Services

# CAUSES OF LEAKY SEWERS

Unwanted Inflow & Infiltration (I&I)

PRIVATE - WHITE TEXT

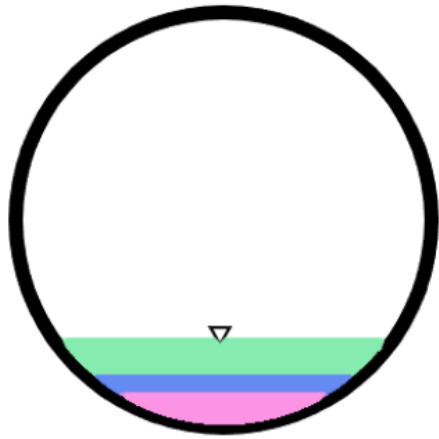
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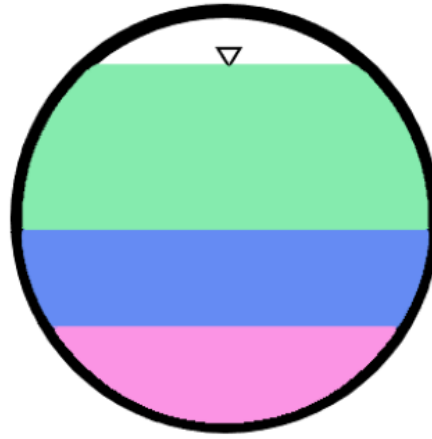
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# IMPACT OF INFLOW & INFILTRATION

Wasteful Consumption of System Capacity

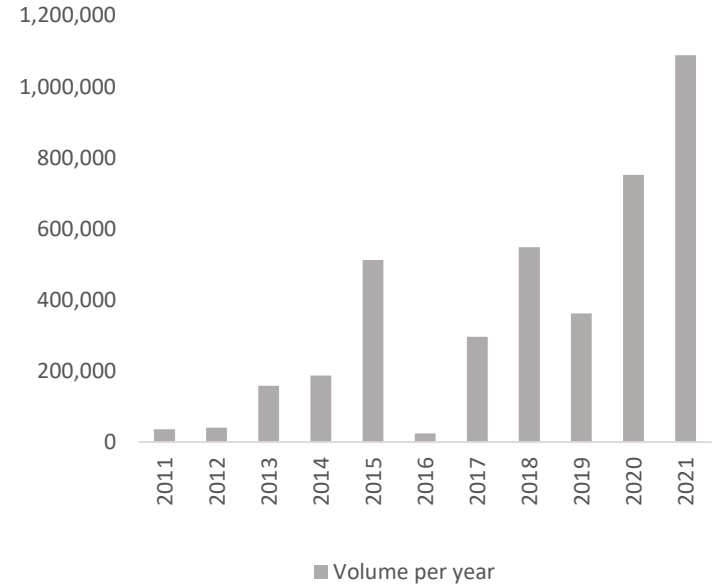


Dry Weather



Wet Weather

SSO volume per year (m<sup>3</sup>)



# PRINCIPLES AND BOARD APPROVAL

Principles summarized as:

- “Pay for what you use”
  - reward for low I&I; premium for high I&I
- No change in revenue to Metro Vancouver
- Temporary relief for members with combined sewer systems

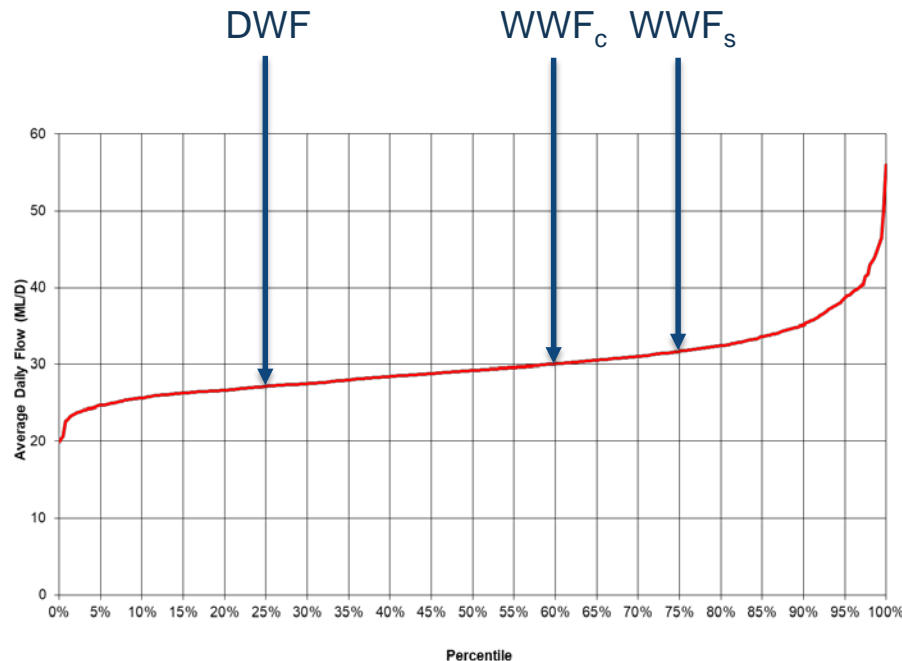
GVS&DD Board endorsed:

- “amendments to the Cost Apportionment Bylaw to enable the division of the GVS&DD levy into separate dry and wet weather components and issue a separate requisition for each component.”

# RECOMMENDED WET WEATHER RATE STRUCTURE

## Strengthening User-pay Principle

- Separated systems
  - ▶ 75 percentile flow ( $WWF_s$ )
- Combined systems
  - ▶ 60 percentile flow ( $WWF_c$ )
- Phase-in period
  - ▶ 10 years
- Starting year for phase-in
  - ▶ Commencing with spring 2024 bills
- Periodic review of parameters
  - ▶ Full bylaw review proposed every 3 years



# ALLOCATIONS

## Indicative Estimates

GVS&DD Member	2022 Levy (\$)	Future Levy* (\$)	% Change over 10 yrs
City of Burnaby	29,838,017	27,660,411	(7.3%)
City of Coquitlam	13,923,535	14,131,970	1.5%
City of Delta	9,008,835	10,203,896	13.3%
City of Langley	2,040,395	2,152,036	5.5%
Langley Township	10,344,072	9,391,084	(9.2%)
City of Maple Ridge	8,190,012	7,982,284	(2.5%)
City of New Westminster	11,225,358	11,636,236	3.7%
City of North Vancouver	7,971,747	7,165,423	(10.1%)
District of North Vancouver	13,327,918	14,094,844	5.8%
City of Pitt Meadows	1,652,675	1,423,502	(13.9%)
City of Port Coquitlam	6,076,032	6,162,431	1.4%
City of Port Moody	2,553,053	3,200,771	25.4%
City of Richmond	28,681,273	28,239,663	(1.5%)
City of Surrey	56,564,465	56,061,804	(0.9%)
University Endowment Lands	623,851	258,135	(58.6%)
UBC (non-member)	2,027,499	1,682,975	(17.0%)
City of Vancouver	86,819,138	89,451,698	3.0%
District of West Vancouver	8,743,505	8,782,903	0.5%
City of White Rock	1,813,307	1,742,621	(3.9%)

\* In Year 10

# RECOMMENDATIONS

## Alternative 1

- Direct staff to prepare amendments to *Cost Apportionment Bylaw 283, 2014* and;
- Initiate wet weather cost apportionment starting with the **2024** billing cycle to be implemented incrementally over ten years.

## Alternative 2

- Direct staff to prepare amendments to *Cost Apportionment Bylaw 283, 2014* and;
- Initiate wet weather cost apportionment starting with the **2023** billing cycle to be implemented incrementally over ten years.

*Staff recommendation is Alternative 1*