



In-Line Toilet Leak Sensor Pilot Project

Water Supply Forum Quarterly Meeting

May 22, 2025

Regional water conservation program



SAVING WATER PARTNERSHIP

Make a difference. Use water wisely.

- Administered by Seattle Public Utilities
- Seattle & 18 wholesale customers
- Does not include Cascade Water Alliance

Pilot project overview

- **What:** a rebate to install in-line toilet leak detection devices
- **Where:** two remodeled multifamily buildings built in 1958 (103 units total)
- **When:** installed February 2024
- **Why:** Assess water-saving potential of the technology and the feasibility of scaling up as a full program offering



Why leaks?



**HOW WATER
IS USED IN
MOST HOMES**



Toilets 24%



Showers 20%



Faucets 19%



Washing Machine
17%

Baths
3%

Dishwasher
1%

Other
4%



Leaks 12%

**GADZOOKS!
YIKES!**

SavingWater.org

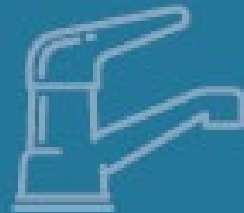
Why toilets?



Toilets
24%



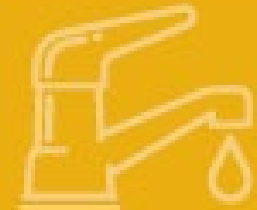
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20%



Faucets
19%



Washing
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Leaks
12%

Other
4%

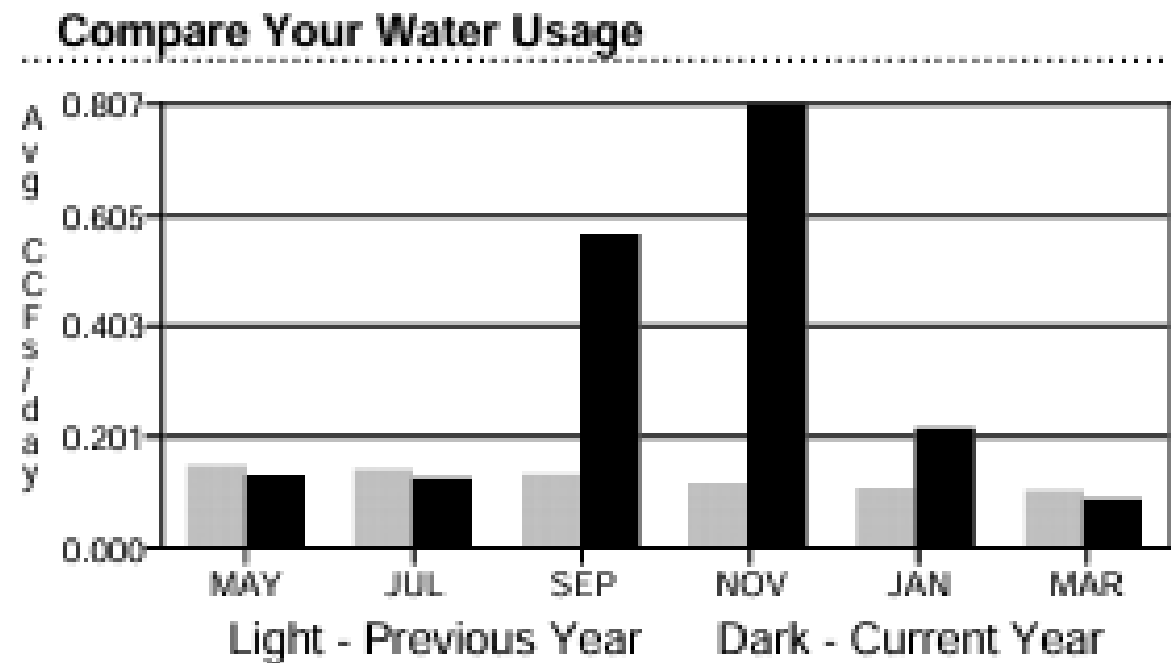
Baths
3%

Dishwasher
1%

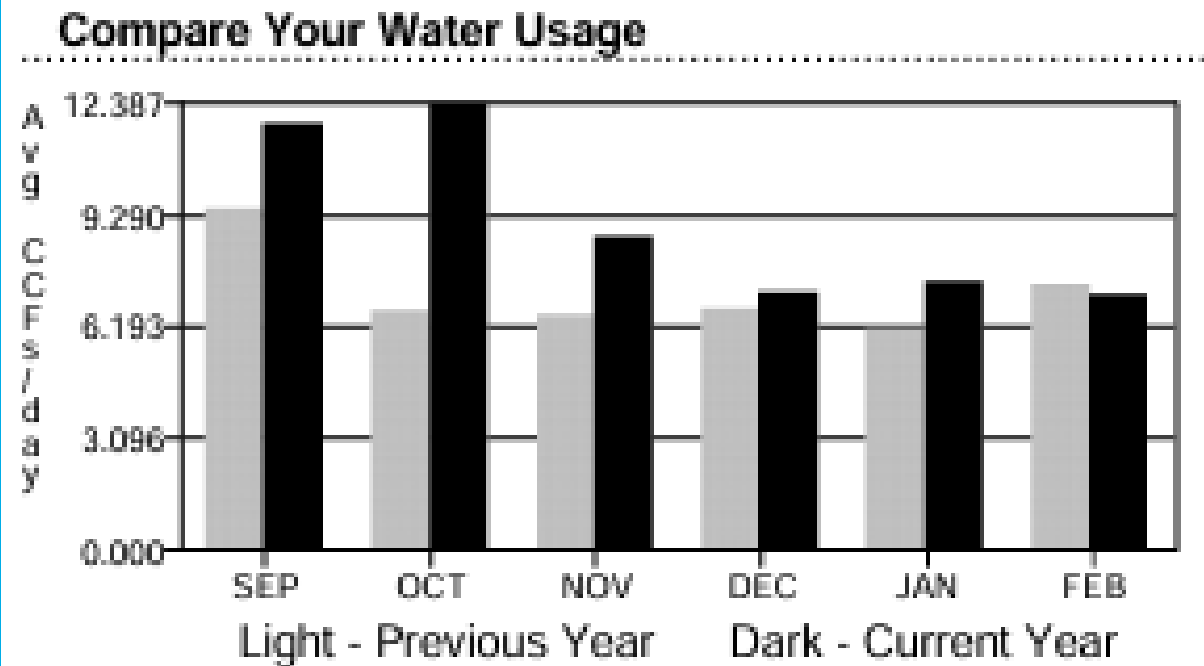


Why multifamily?

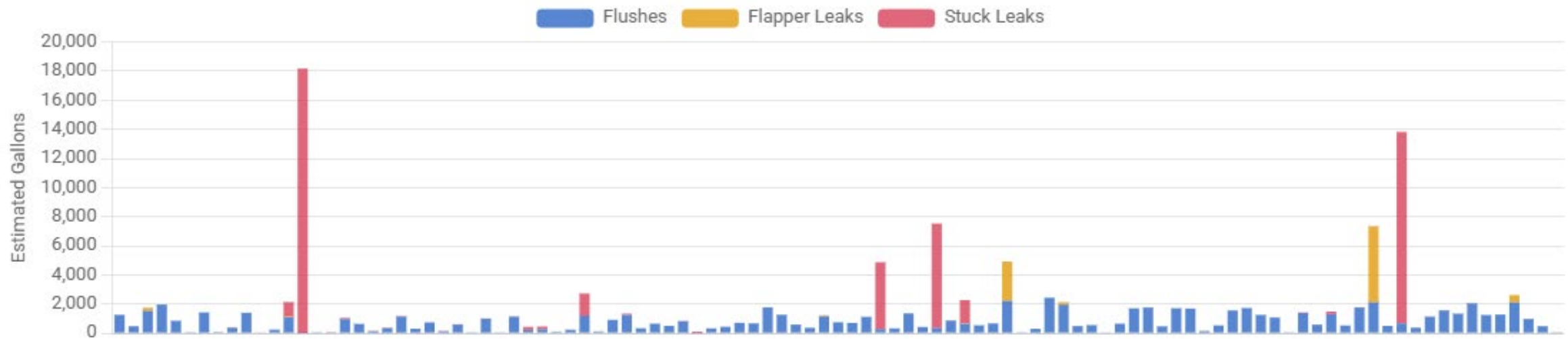
Single family home
60-day billing cycle



Multifamily building (70 units)
30-day billing cycle



Data! All units/toilets – cumulative volumes



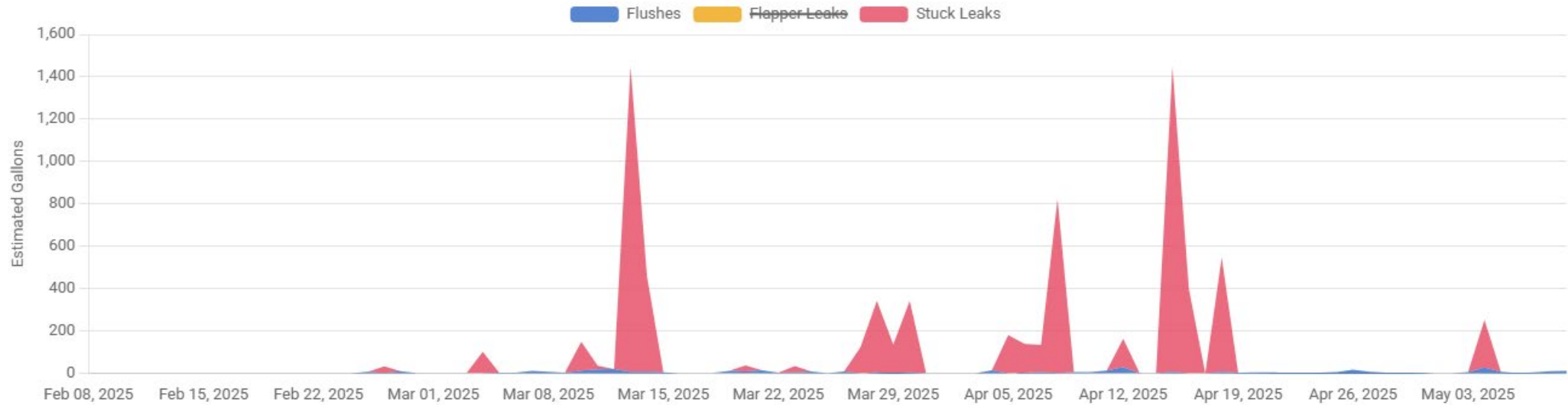
More data! Toilet-level volumes over time

Volume History

Feb 08, 2025 - May 09, 2025

Select Chart
Volume History

Date Range
90 Days



Initial results

- Still very early, but excited about the potential
- Learning curve for navigating and interpreting the dashboard
- Building management has been *very* engaged
- Work order format of dashboard, with customizable thresholds, has worked well with building maintenance

Questions?

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