

Toilet
Replacements



Automated
Metering



Utility Trainee
Program



Affordability
Priorities



Project Updates

Board of Water
Commissioners

October 2024

Racquel Vaske
Assistant General Manager

Toilet
Replacements
\$100k

+

Advanced
Metering
Infrastructure
\$150k



**Two Part Water Efficiency Grant
from the Metropolitan Council**

Toilet Replacement Project

- \$100,000 Grant from the Metropolitan Council
- 242 Toilets Replaced (\$413/toilet = parts + labor)
- Estimated savings of 3.4 Million Gallons/Year
- 40 gallons/day/toilet replaced
- Estimated Savings: \$7/Unit/month = \$84/year

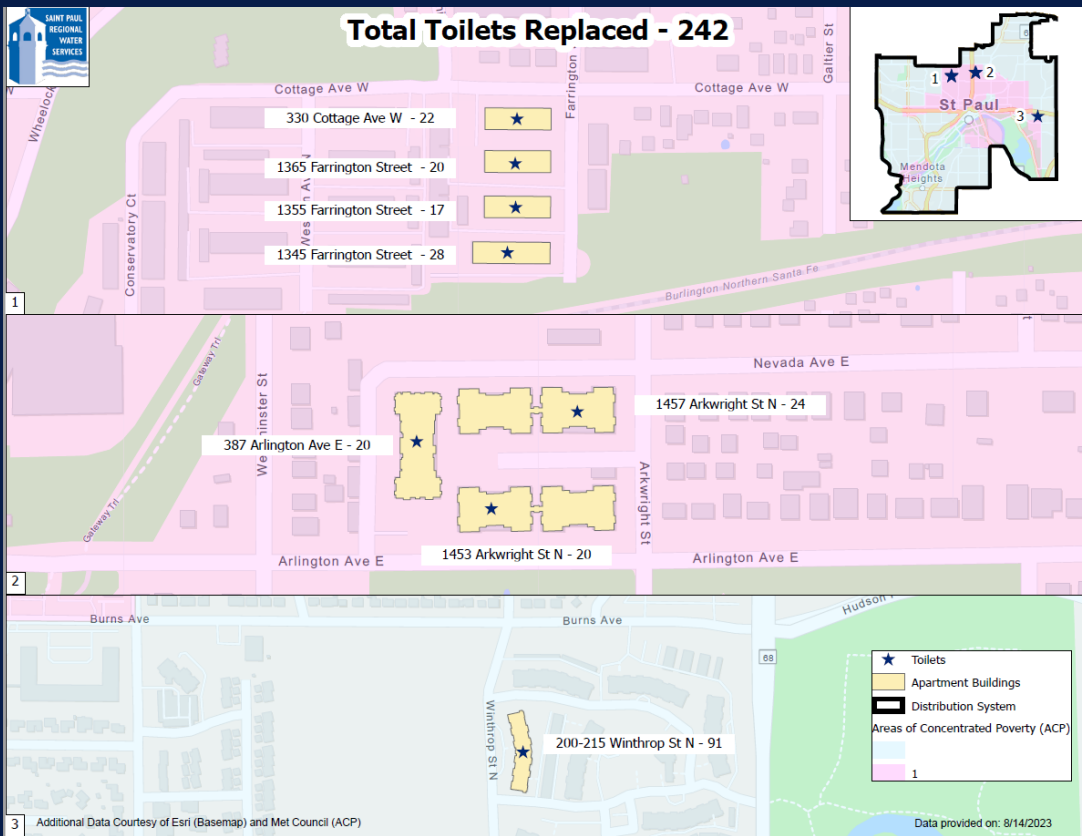
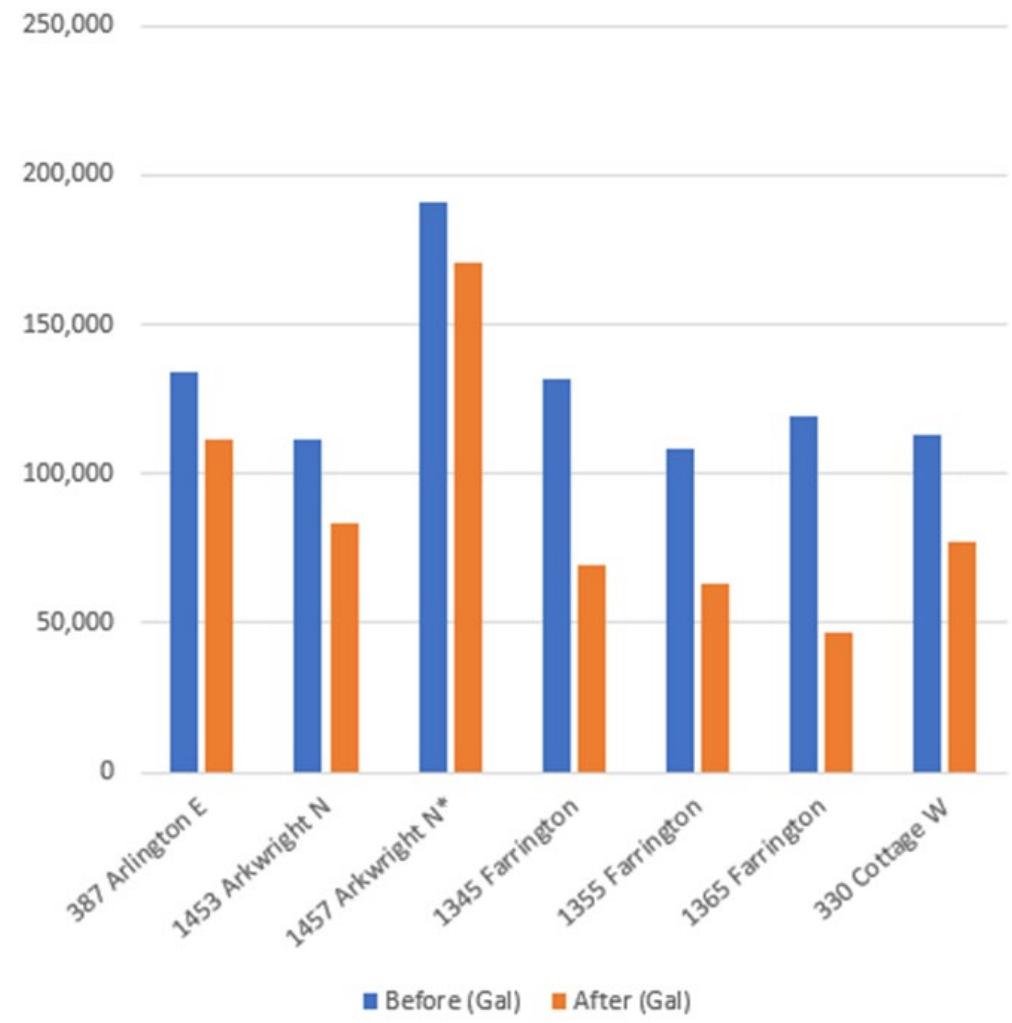


Chart Area Average Monthly Consumption (Gallons)
Before and After Project

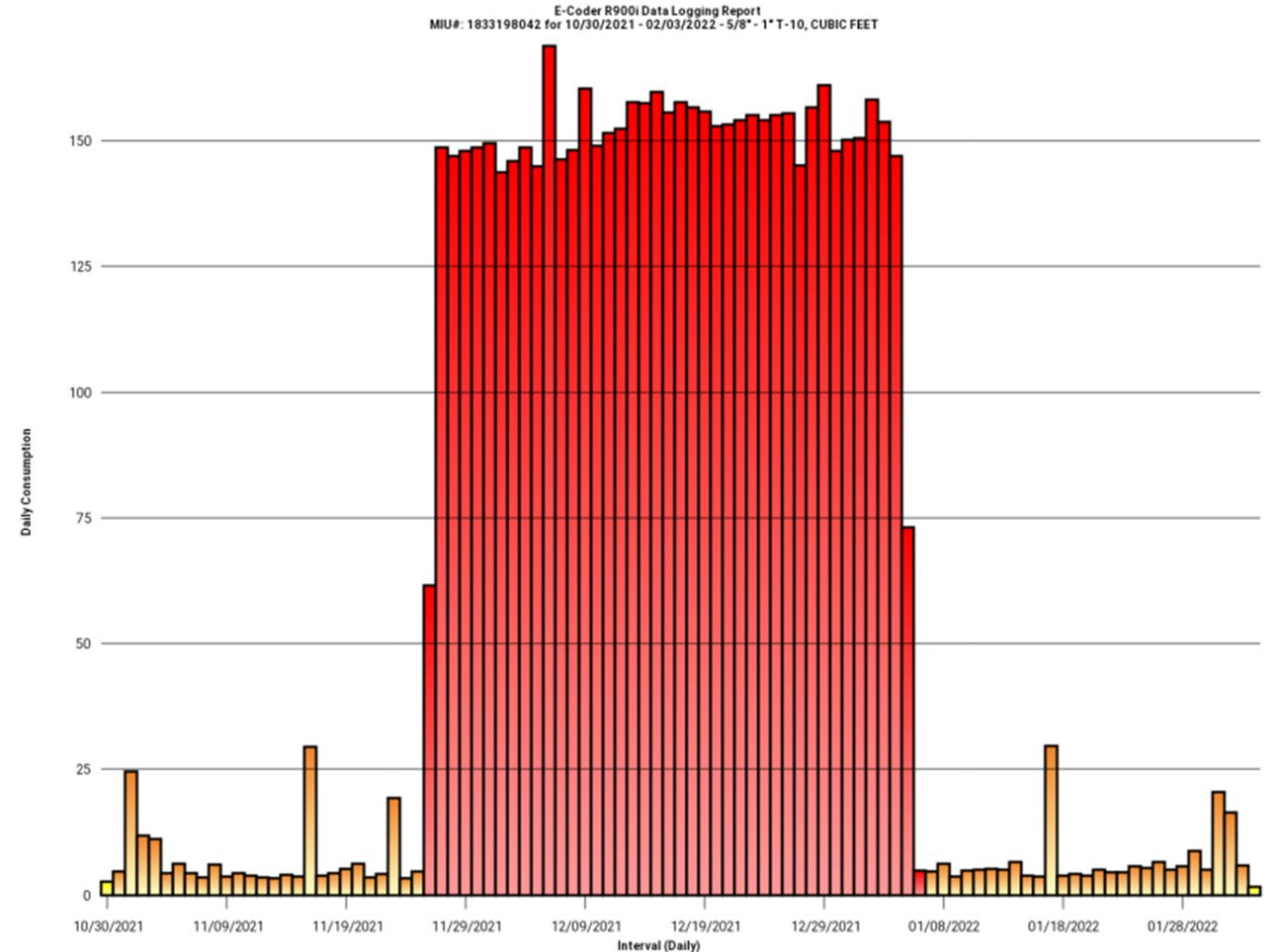


Automated Metering Infrastructure

Remembering the “WHY”

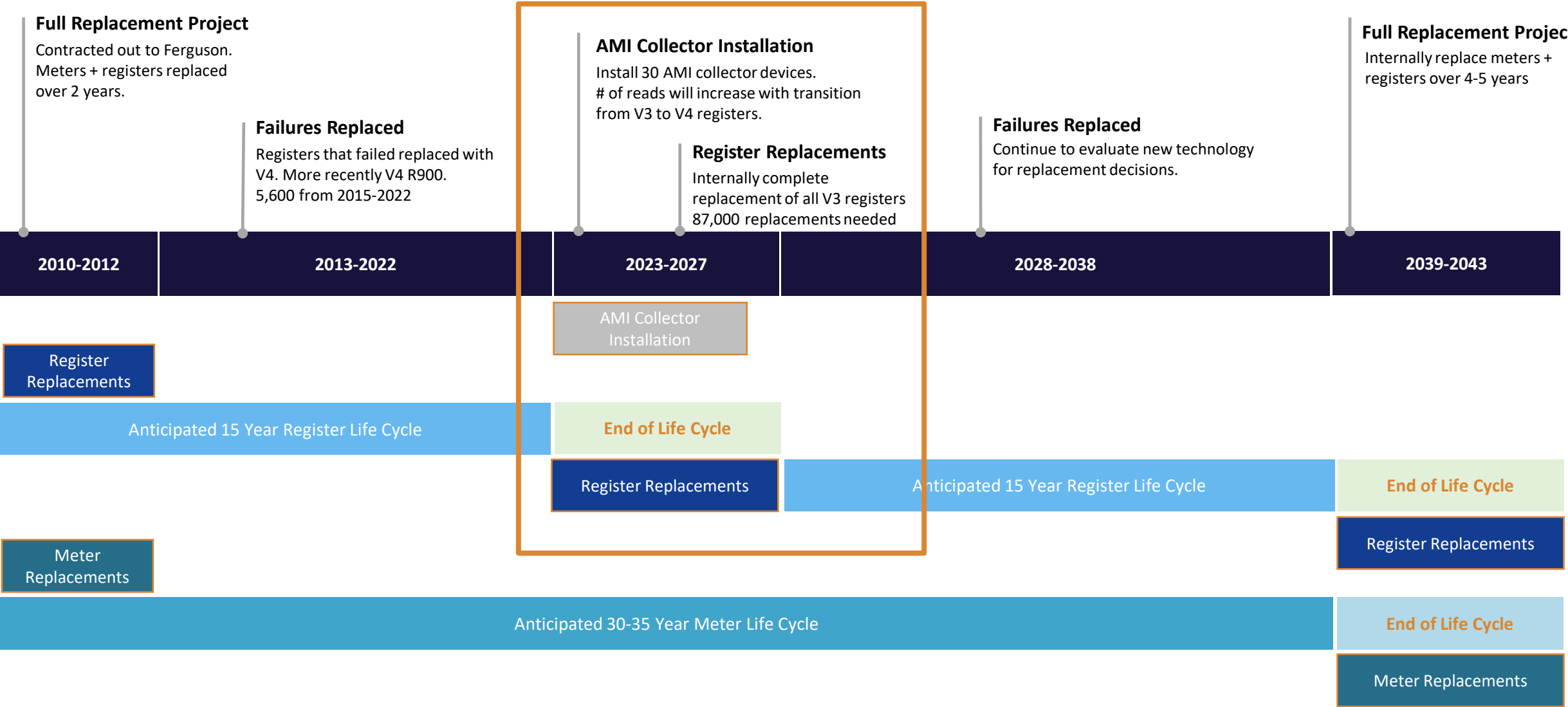
SPRWS currently collects meter reads and bills quarterly.

While it is helpful to use the data collected to alert customers of potential concerns, in many cases the leak may have existed for weeks if not months by the time we detect it.



Meter Operations Capital Investments

Registers, Meters, and AMI Collectors









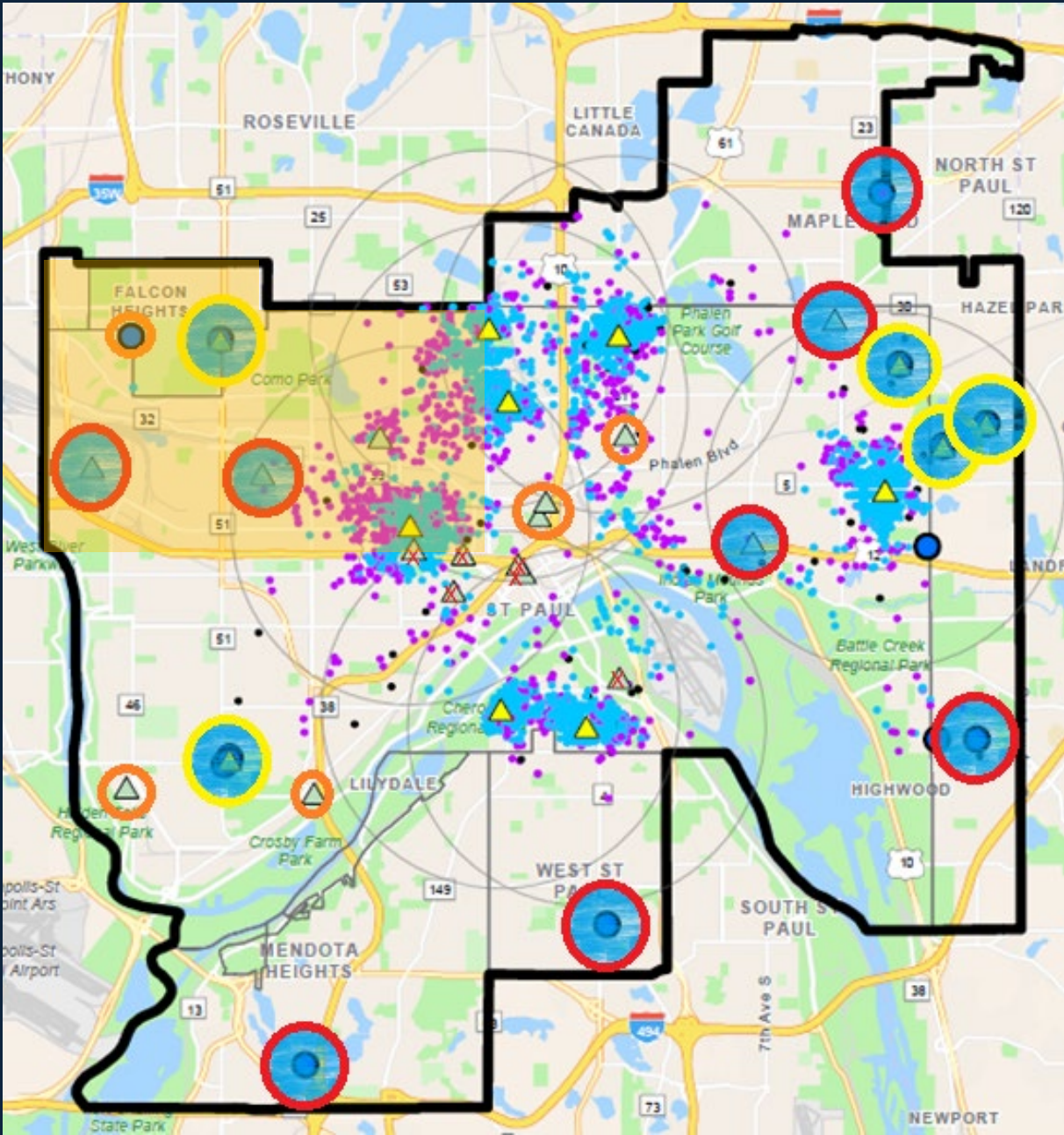
Automated Metering Infrastructure

12 Collectors Currently Installed: ~ 12,000 accounts
Additional 10 Collectors Ordered for January Install: + ~10,000 accounts

Pursue Met Council Grant Funding in Q2 of 2024
for 8 Additional Collectors: + ~ 8,000 accounts

Complete Collector Rollout by End of 2024
30 Collectors: 30,000-40,000 accounts

	Actual V3 Reads from Installed Collectors
	Actual V4 Reads from Installed Collectors
	Proposed Collector Locations January 2024 + Anticipated Area of V3 Reads
	Locations of September 2023 Installed Collectors + Anticipated Area of V3 Reads
	Potential Additional Collector Locations Tanks or PHA
	Proposed Area for Register Replacement Prioritization in 2023-2024 Starting in NW Corner (Lauderdale). Working East to 35E and South to 94. Skipping all Blue areas (V3 Already Caught by Current Collectors)



Register Replacement Overview

Full AMI System
after Year 4

Year 1 2023

1,500 failure replacements
(or gaps)

300 replacements
during Lead Free SPRWS

Winter:
1 Lead Meter Tech
+ 3 WUWI
30/day * 18 weeks
= 2,700 replacements

TOTAL: 4,500

Year 2 2024

2,000 failure replacements
(or gaps)

1,000 replacements
during Lead Free SPRWS

Winter:
5 Lead Meter Techs
+ 15 WUWI
30/day/crew * 18 weeks
= 13,500 replacements

TOTAL: 16,500

Year 3 2025

3,000 failure replacements
(or gaps)

3,500 replacements
during Lead Free SPRWS

Winter:
5 Lead Meter Techs
+ 15 WUWI
30/day/crew * 18 weeks
= 13,500 replacements

TOTAL: 20,000

Year 4 2026

5,000 failure replacements
(or gaps)

3,500 replacements
during Lead Free SPRWS

Winter:
5 Lead Meter Techs
+ 15 WUWI
30/day/crew * 18 weeks
= 13,500 replacements

TOTAL: 22,000

Year 5 2027

7,000 failure replacements
(or gaps)

3,500 replacements
during Lead Free SPRWS

Winter:
5 Lead Meter Techs
+ 15 WUWI
30/day/crew * 18 weeks
= 13,500 replacements

TOTAL: 24,000

SAINT PAUL REGIONAL WATER SERVICES

UTILITY TRAINEE

YOUR CAREER STARTS HERE!



\$21.50+ per Hour / Monday-Friday / 7am-3:30pm

Transportation assistance to & from work may be available within Saint Paul

APPLY NOW!

Only Requirement:
16+ Years Old

www.stpaul.gov/jobs



LEARN MORE

In partnership with Ramsey County, we have developed a few opportunities to learn more. Job seekers are eligible for a \$25 giftcard for attending!



Virtual Session
March 1st 2-2:30pm

Hiring Open House
1900 Rice Street
March 8th 3-5pm

BENEFITS

Health Insurance

Paid Time Off

Holidays, Vacation, & Sick Leave

Variety of Training

Basic Job Skills, Technical Training, &
Driver's Education

Career Development

Participants who obtain their driver's
license and pass the program will be
promoted to Water Utility Worker I
(~\$30/hour)

Represented by LIUNA Local 363



175
Candidates

49%
Saint Paul
Residents

36%
Without Driver's
License

15%
Female

75%
People of Color
or Indigenous

UTILITY TRAINEE UPDATE

8 Trainees
Hired in May
2023

7 of 8 Still
Employed by
SPRWS

2 Trainees
Already
Moved to
Distribution

All 7
Successfully
Passed
WUWI
Physical Job
Simulation

Training & Development

Giving and Receiving Feedback

Time Management

Financial Literacy

Benefits Overview

Emotional Intelligence

Conflict Management

Insights Discovery

Pipelining Certification



AFFORDABILITY PRIORITIES

Population Served

448,959

Average Annual
Household Water
Expense in 2023

\$600

Median Household
Income

\$70,357

Average Bill Increase
2017-2023

16.5%

Customers in Areas
of Concentrated
Poverty*

30%

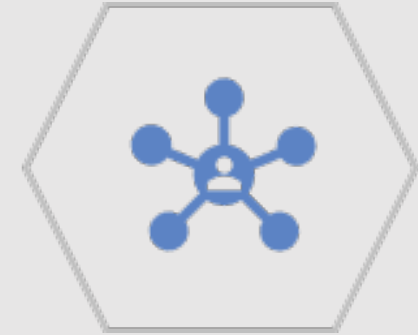
SPRWS Annual Water
Works Contribution

\$100,000



Affordability Dashboard

Data informed analysis to assist in
decision making



Expand Water Works Funding

Advocate for ongoing LIHWAP
and/or increase assistance funding



Increase Participation

Targeted outreach and education to
help customers understand options

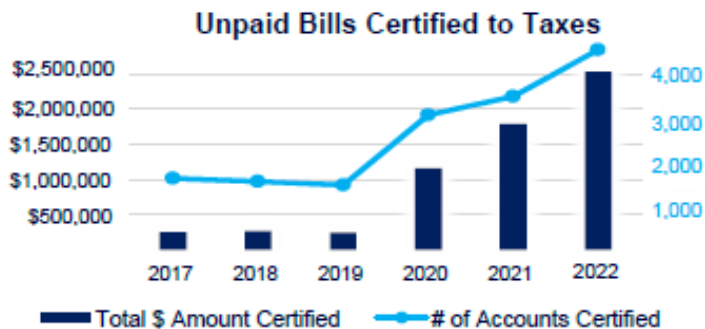
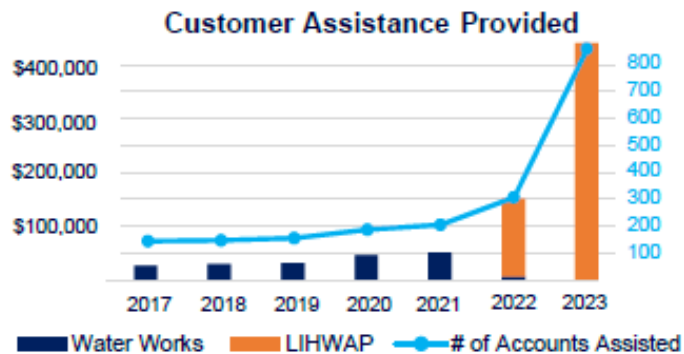


Enhance Leak Audit Program

Automated metering infrastructure
implementation

Request for Continued LIHWAP Funding

Low Income Household Water Assistance Program



LIHWAP was created to ensure that economic challenges would not put access to household water and wastewater service at risk. While this has been very helpful, affordability challenges exist beyond the pandemic and ongoing assistance is necessary.

A permanent, federally funded **LIHWAP** would promote public health among all members of a community similar to existing programs around energy.

