

Peer to Peer 1

Connect. Collaborate. Grow. 

BEYOND LEAK ALERTS: LEVERAGING AMI AT YOUR WATER AGENCY



Peer to Peer 1

Connect. Collaborate. Grow.



Moderator:
Danielle McPherson
Bay Area Water Supply &
Conservation Agency



Joan Hughes
Alliance for Water Efficiency



Lauren Benefield
South Tahoe Public Utility
District



Geneva Gondak
East Bay Municipal Utility
District



Amy McNulty
Irvine Ranch Water District

NAME THAT

LEAK

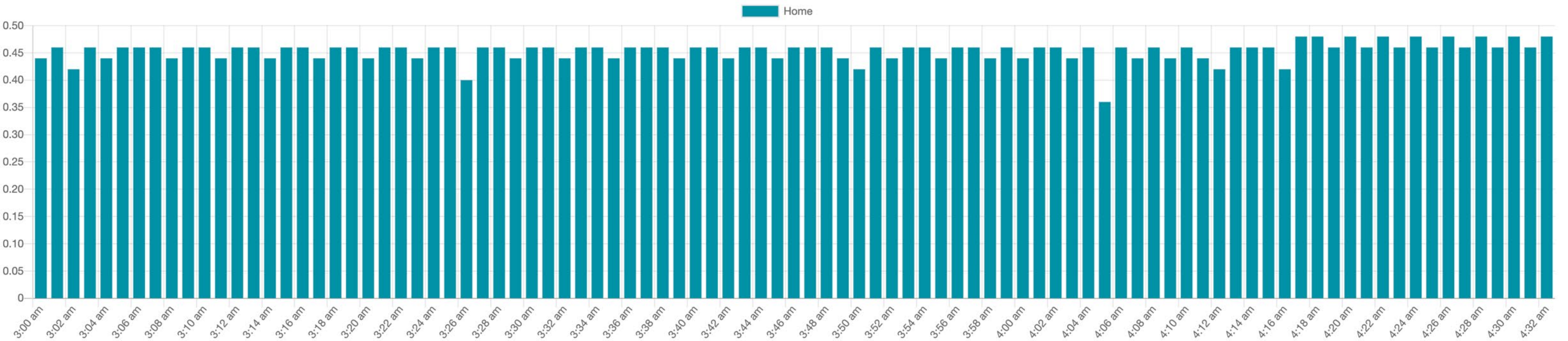


FOX

0.45 GPM

⬅ Back

3:00 am May 4, 2026



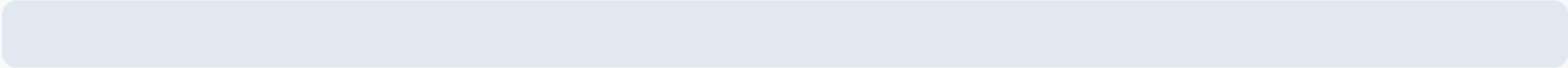
⬅ Previous

Total: **42.18** gallons

Next ➡

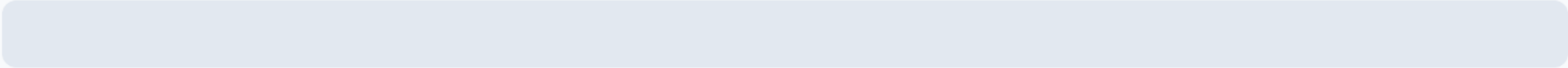
0.45 gpm

(A) Toilet



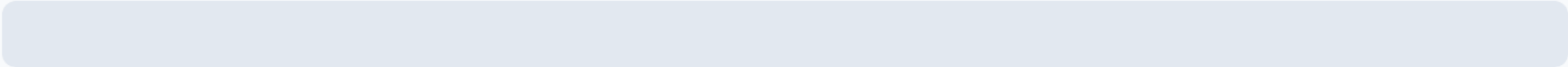
0%

(B) Irrigation Leak



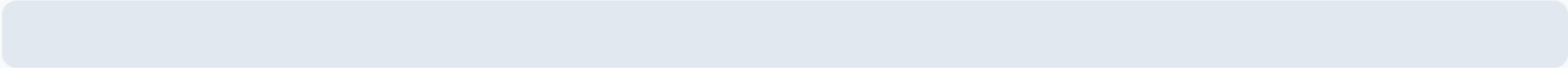
0%

(C) Water Heater



0%

(D) Pool fill



0%

Gallons

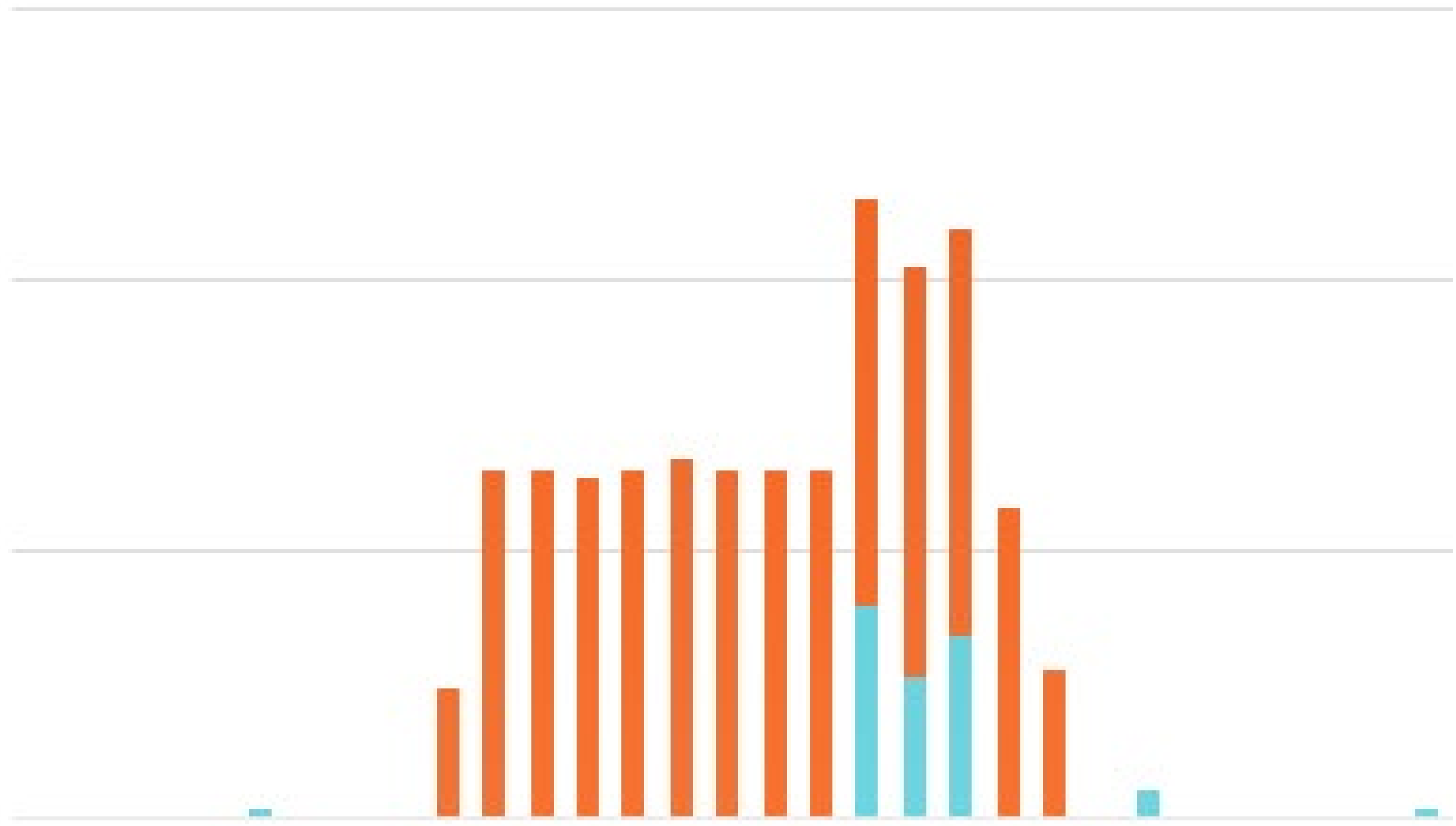
400
200
0

4:00 PM

Fri, May 8
12:00 AM

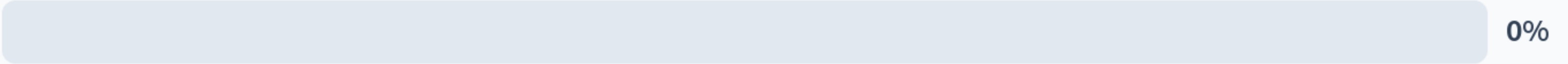
8:00 AM

4:00 PM

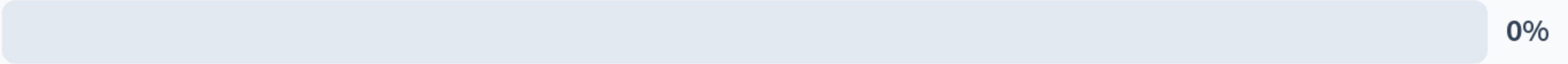


Orange Chart with blue lines

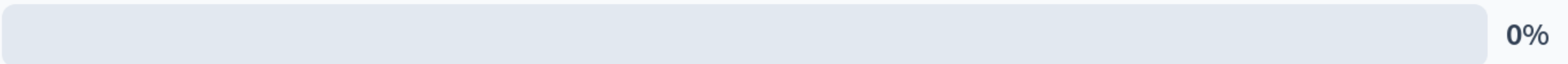
Running toilet



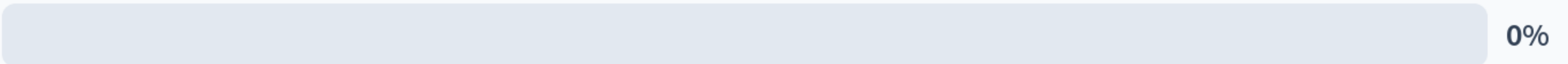
Irrigation leak

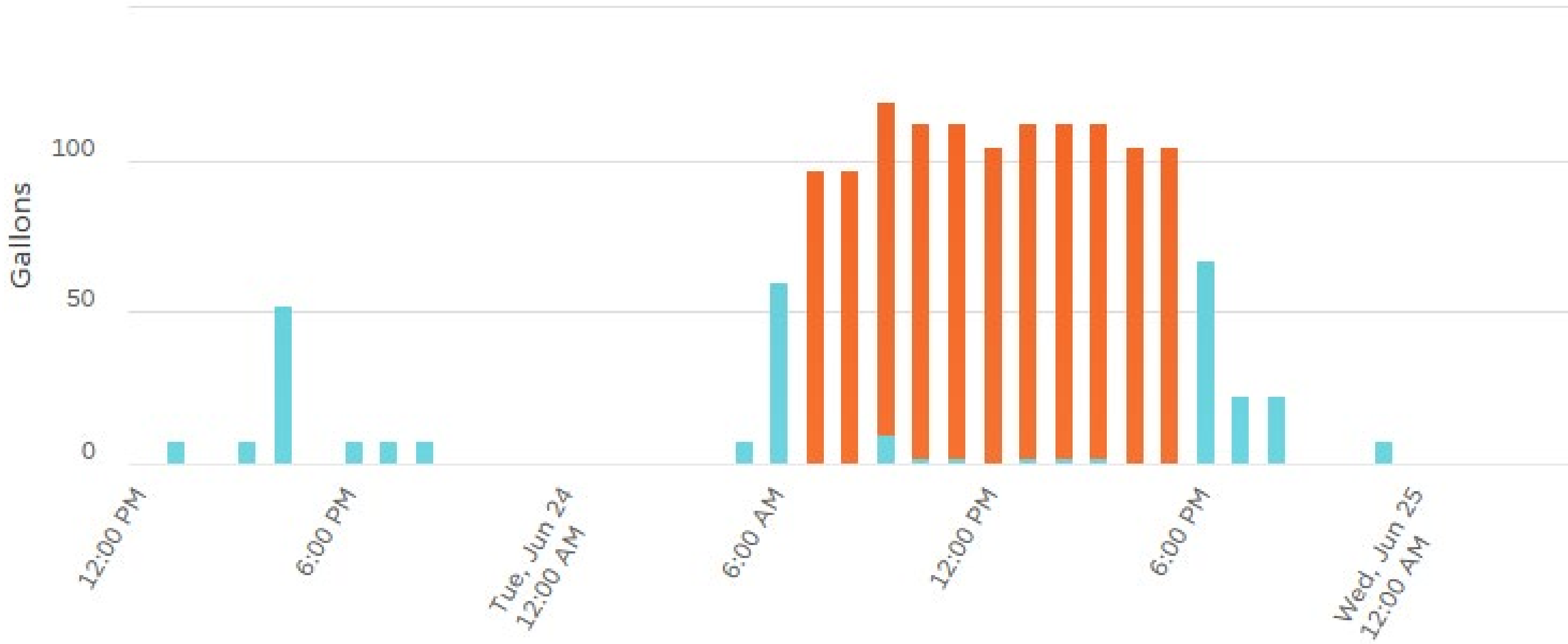


Water Heater



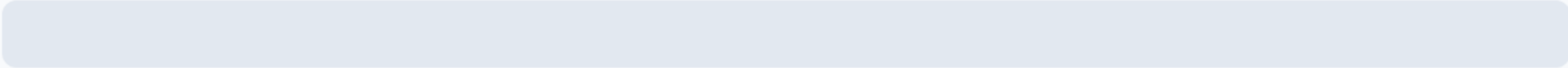
Water Softener





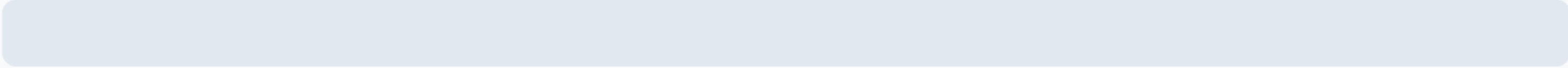
#3 Orange and Blue

Pool fill



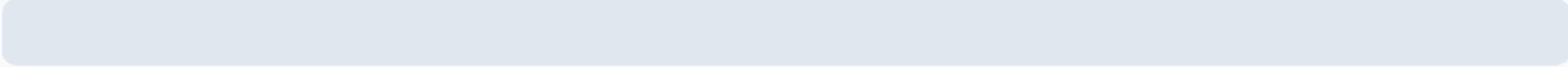
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Water heater



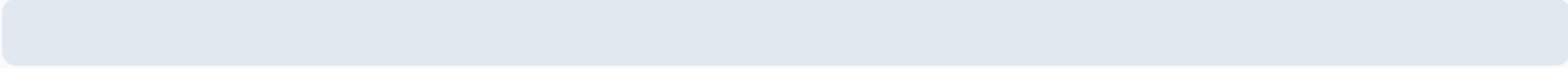
0%

Irrigation leak



0%

Water Softener



0%

0.1 GPM

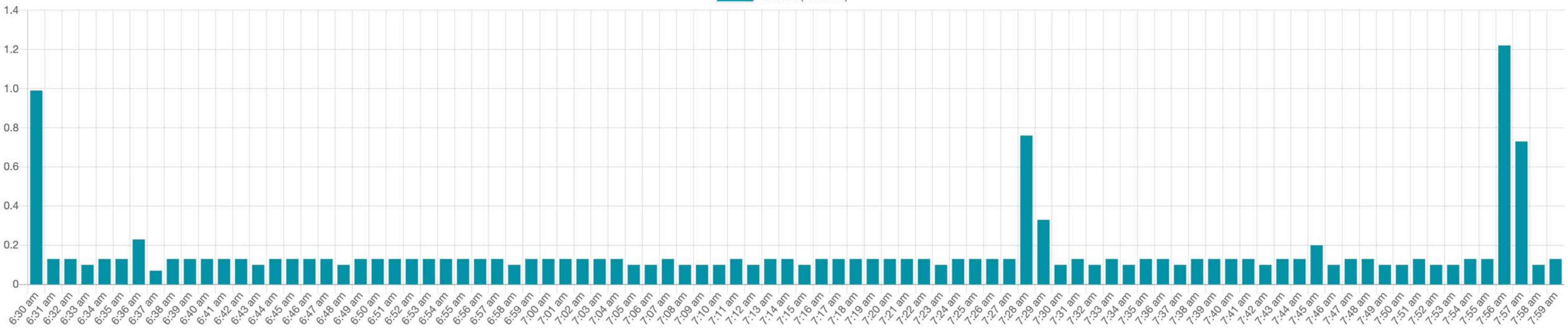
Historical Usage - (America/Los_Angeles)

[↶ Back](#)

7:00 am May 5, 2026



At Front (sidewalk)

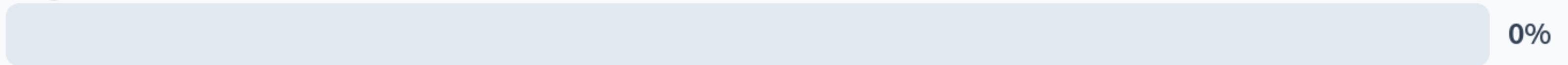


0.1 GPM

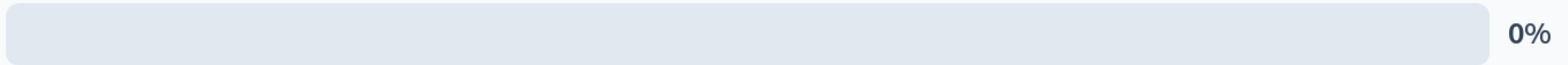
Toilet



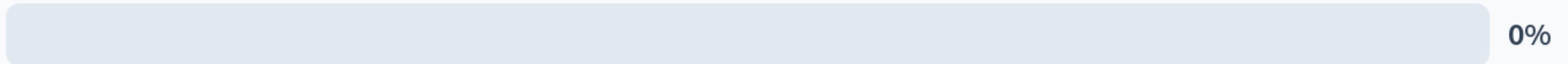
Irrigation leak



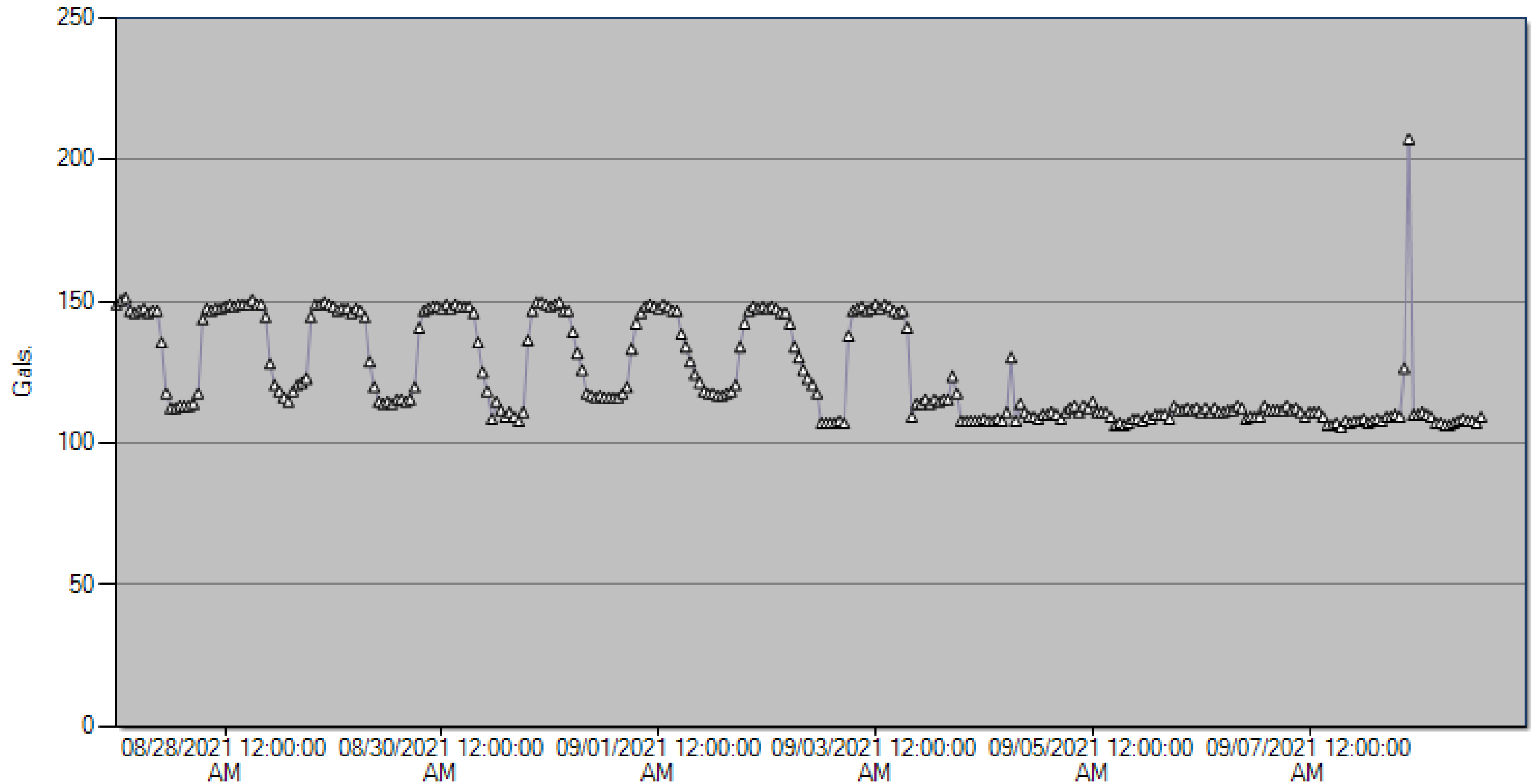
Water heater



Water softener



Interval Consumption, 08/27/2021 to 09/08/2021

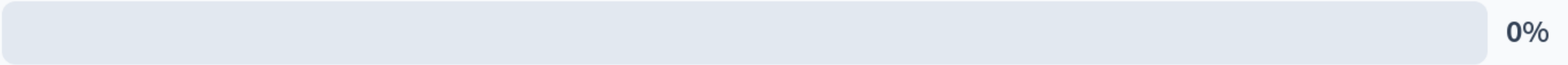


Interval Consumption

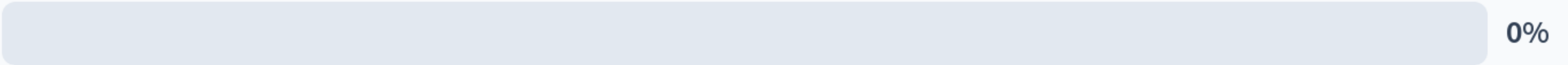
Pool autofill and toilet



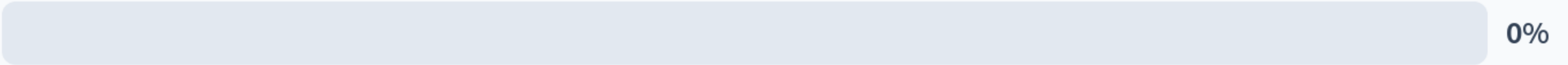
Irrigation leak and pool fill



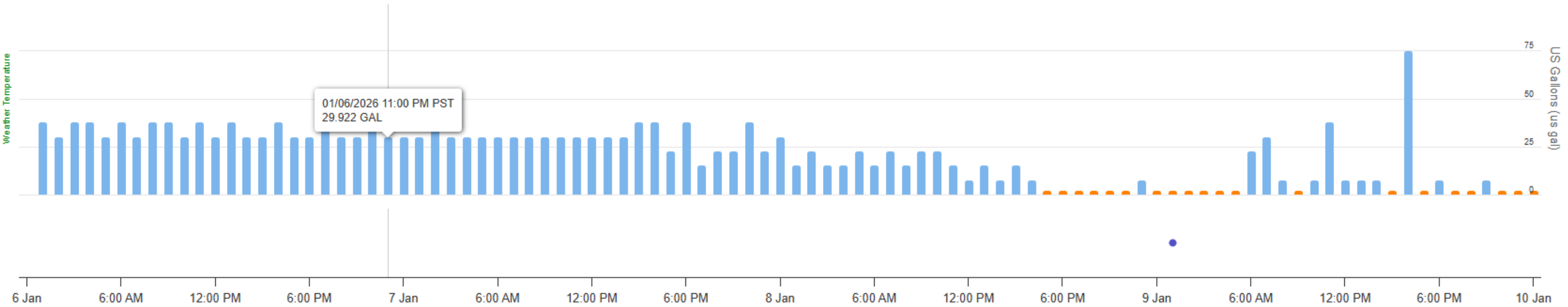
Water Softener



Pressure Regulator

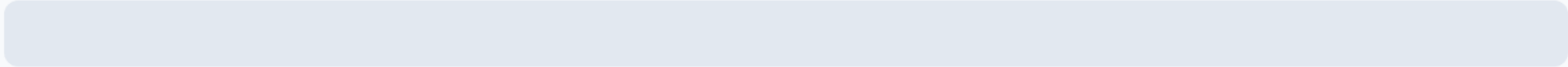


30 GPH



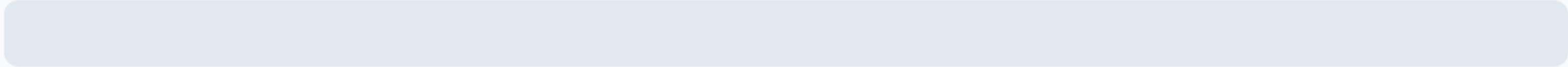
30 GPH

Pipe leak



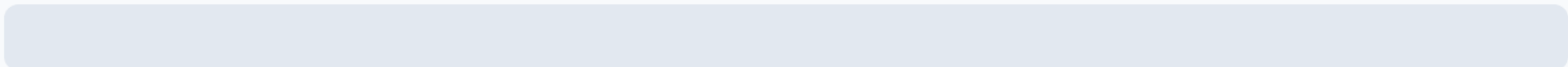
0%

Weeping irrigation valve



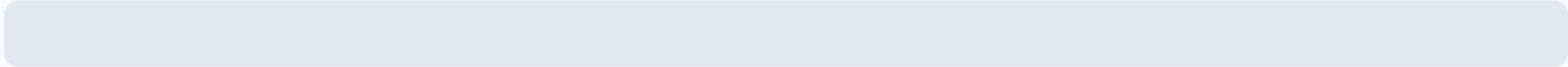
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Water Softener



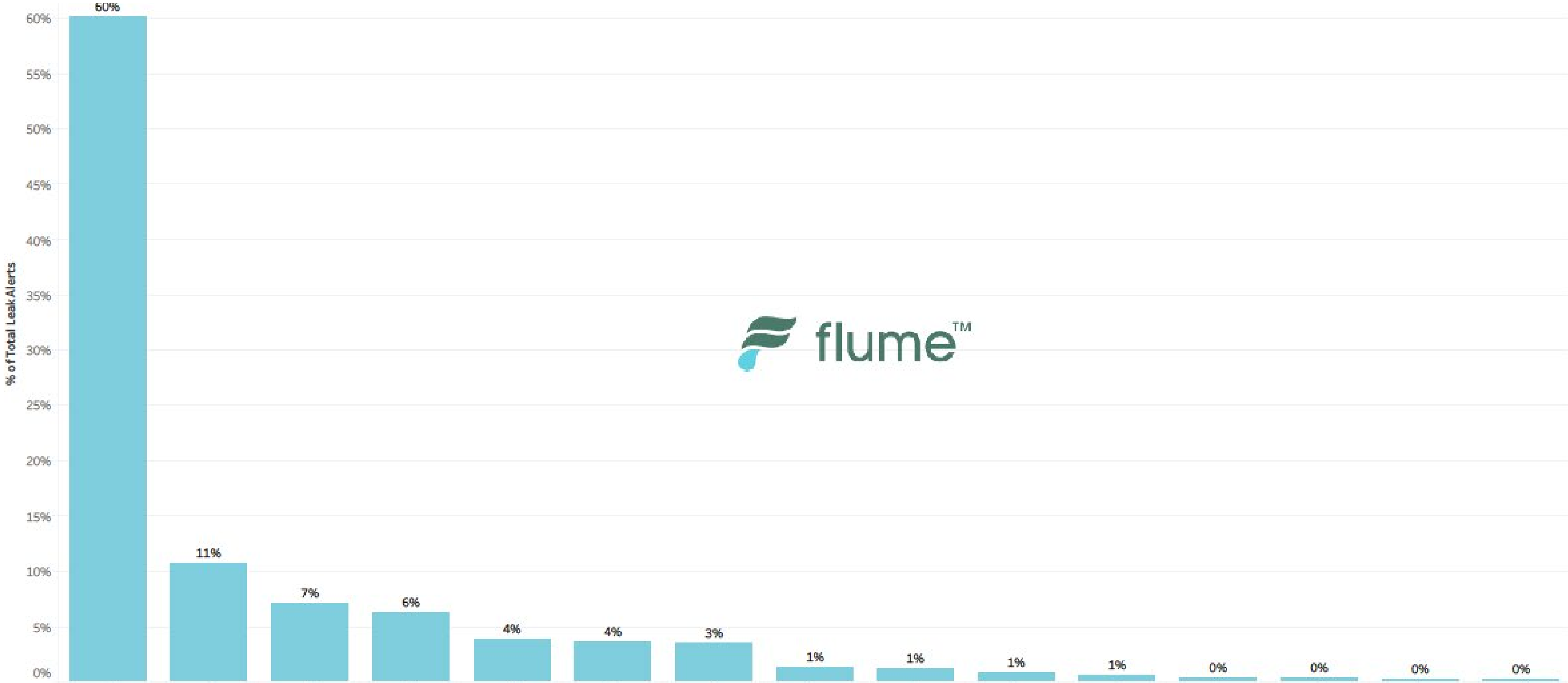
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Pressure Regulator



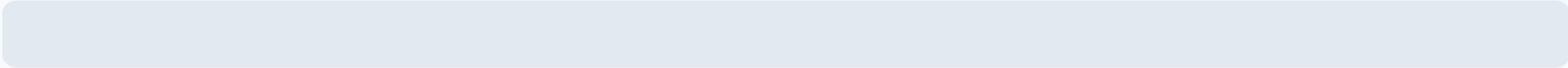
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What is the most common INDOOR leak source?



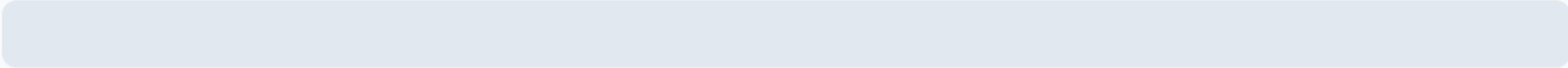
What is the most common indoor leak source?

Water left on



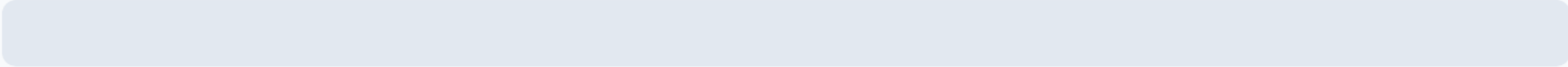
0%

Toilet



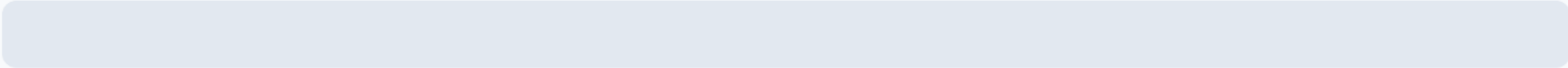
0%

Faucet



0%

Other



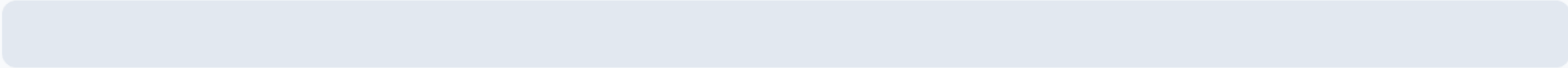
0%

What is the 2nd most common INDOOR leak source?



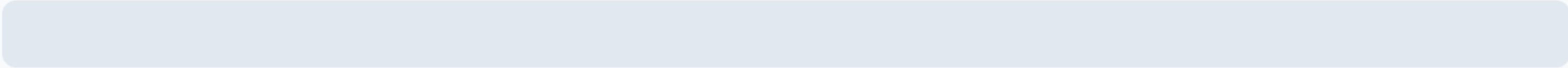
What is the 2nd most common indoor leak source?

Water left on



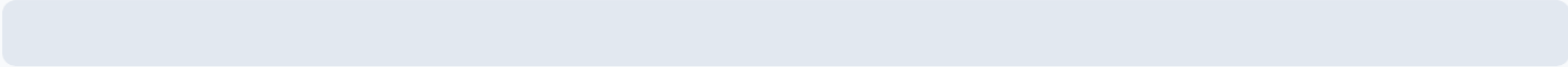
0%

Toilet



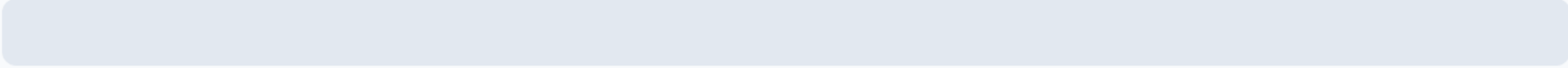
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Faucet



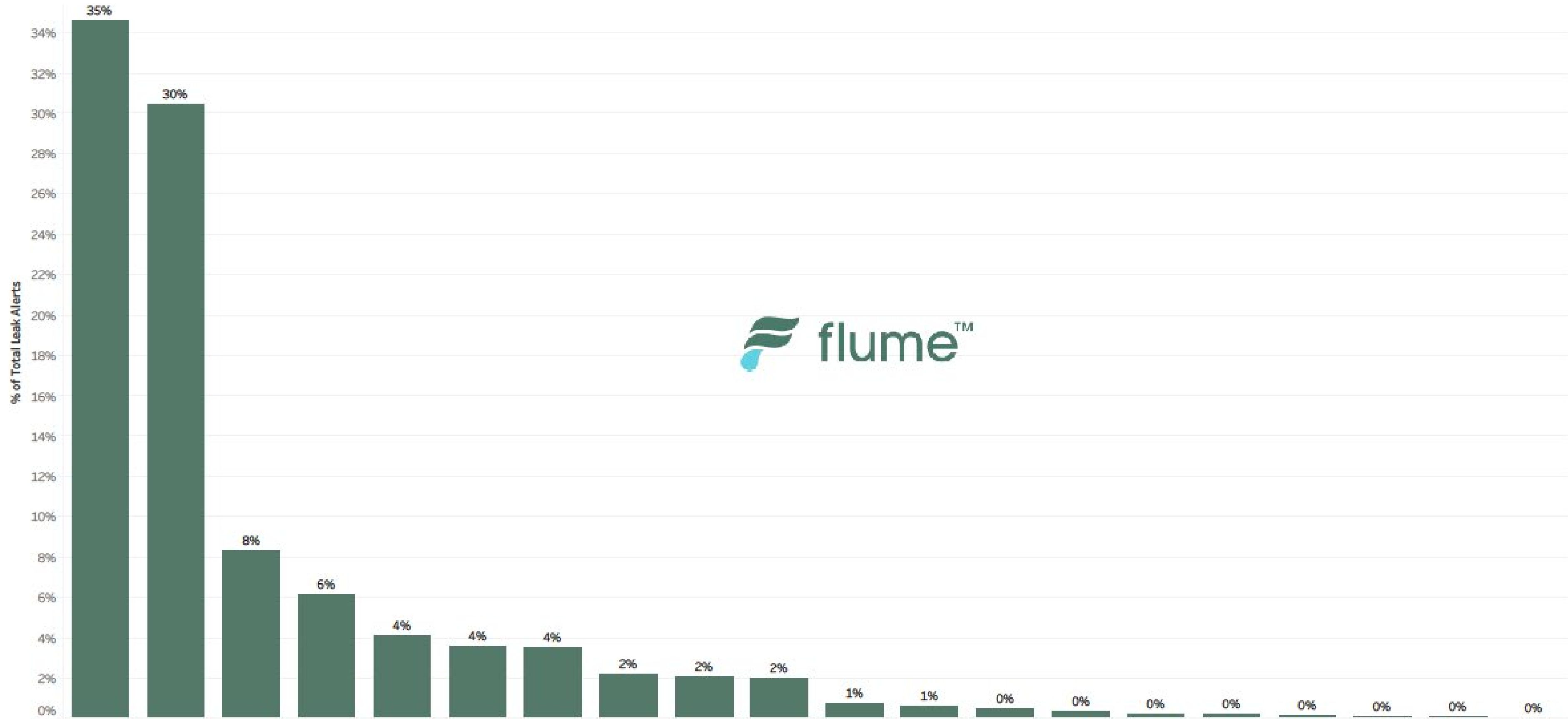
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Other



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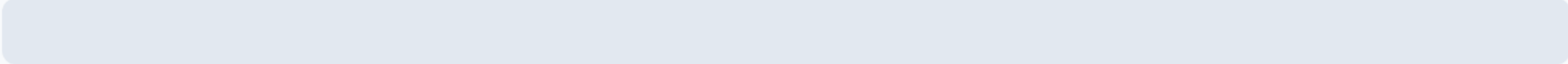
What is the most common OVERALL leak source?



What is the most common overall leak source?

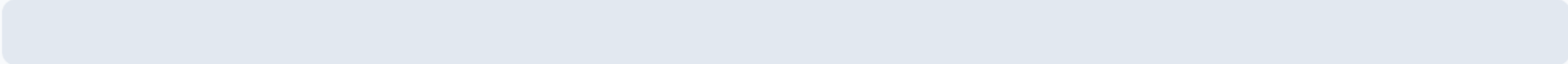


Outdoor pipe



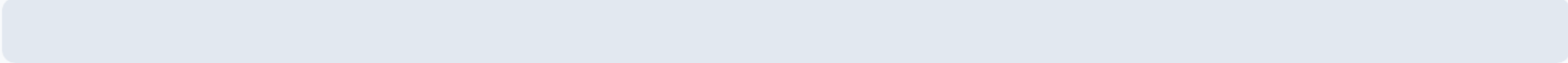
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Toilet



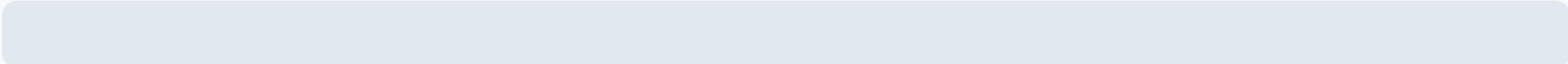
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Irrigation



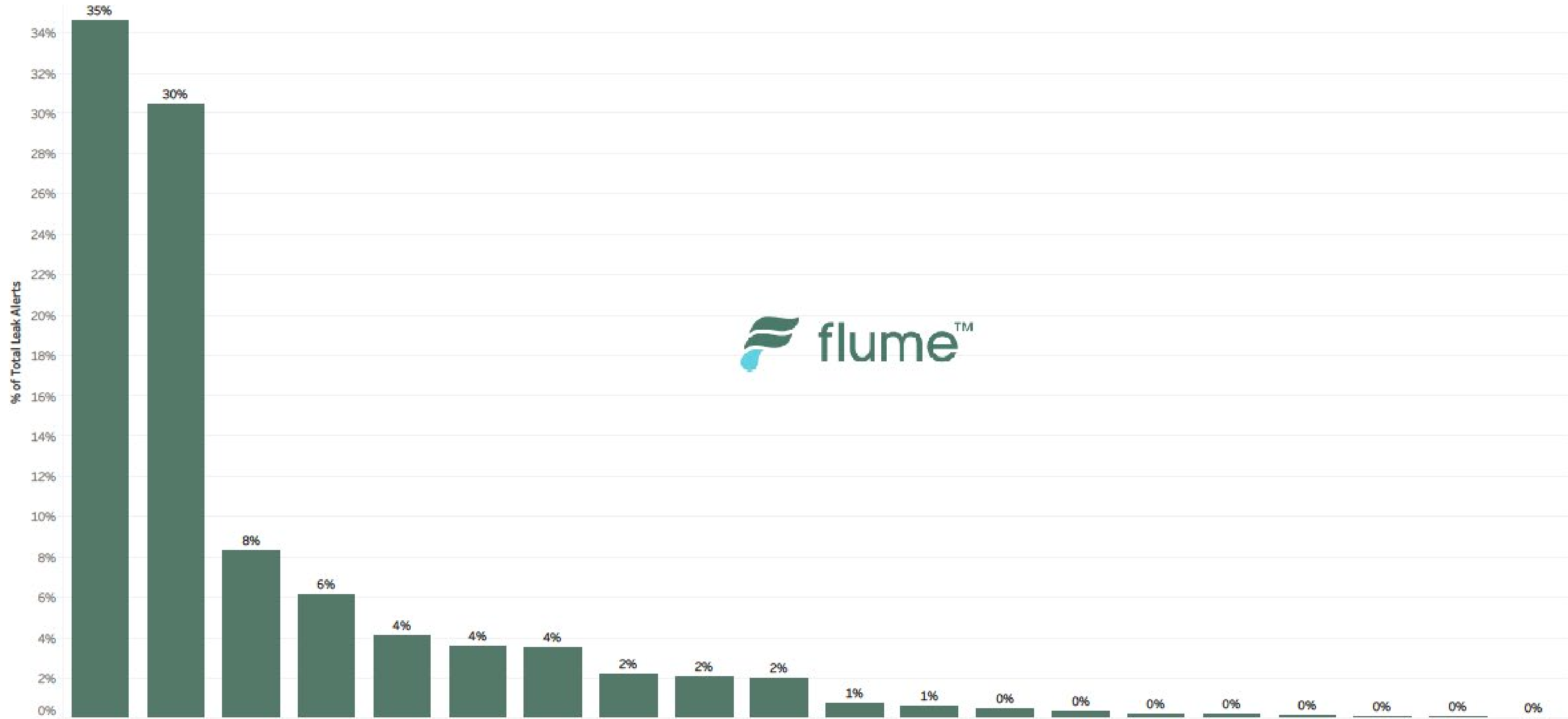
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Other



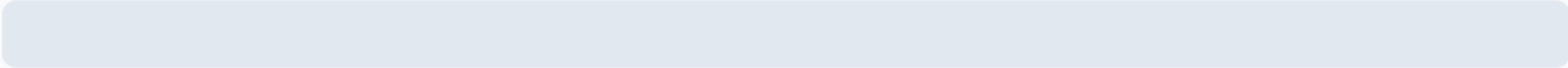
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What is the 2nd most common OVERALL leak source?



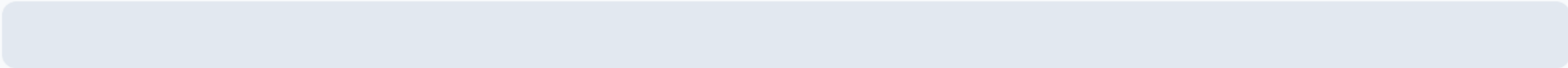
What is the 2nd most common overall leak source?

Outdoor pipe



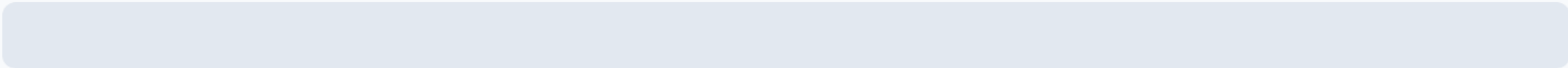
0%

Toilet



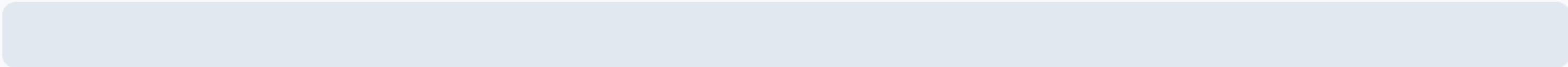
0%

Irrigation



0%

Other



0%



BENCHMARKING AMI ENGAGEMENT: A NEW LENS ON DATA

Smart Meters, Smarter Decisions: Strategies to Unlock Insights, Engage Customers and Transform Networks

2026 CalWEP Peer to Peer - May 27, 2026

Alliance for Water Efficiency

ABOUT AWE

Our Mission: To promote the efficient and sustainable use of water across North America.

We support water efficiency practitioners from **over 500 organizations**, including water utility agencies, local and state governments, product manufacturers, businesses, universities, and nonprofits.

At AWE, we

- Develop **cutting -edge research and tools**,
- Offer **peer-to-peer learning** opportunities, and
- **Advocate** at the state and federal level for water efficient policies, products, and funding.

Visit www.a4we.org to learn more about our work.



2025 AMI ENGAGEMENT BENCHMARKING SURVEY

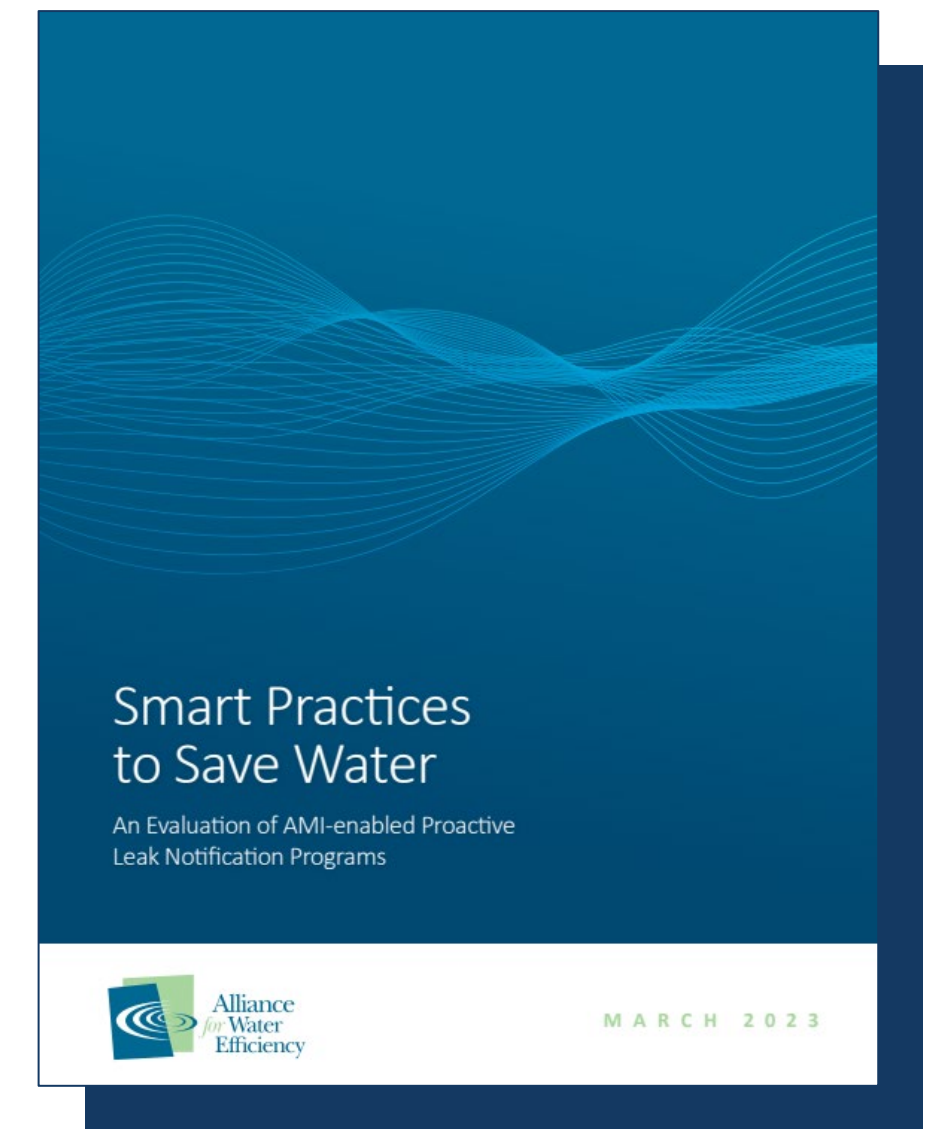
Survey to measure how utilities are engaging customers through AMI

Expanded the 2022 AMI Engagement Survey published in [Smart Practices to Save Water](#)

Survey conducted with support from
San Antonio Water System



Thank you to all survey participants!



SURVEY DETAILS

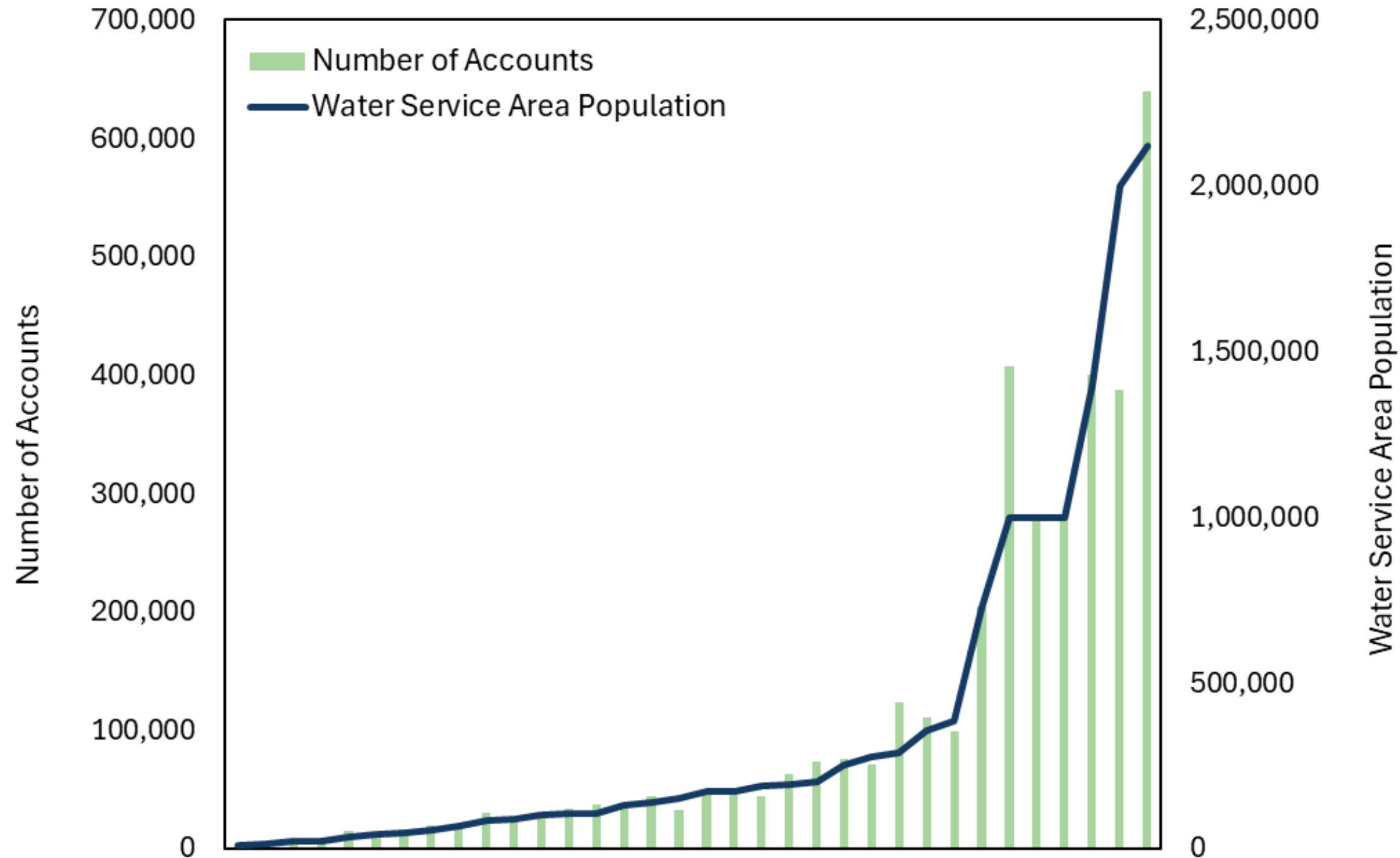
Open October 6–November 19, 2025

34 utilities completed the survey

100 logic-linked questions

Survey results characterized by less common and more common practices

Water Agency Number of Accounts & Population

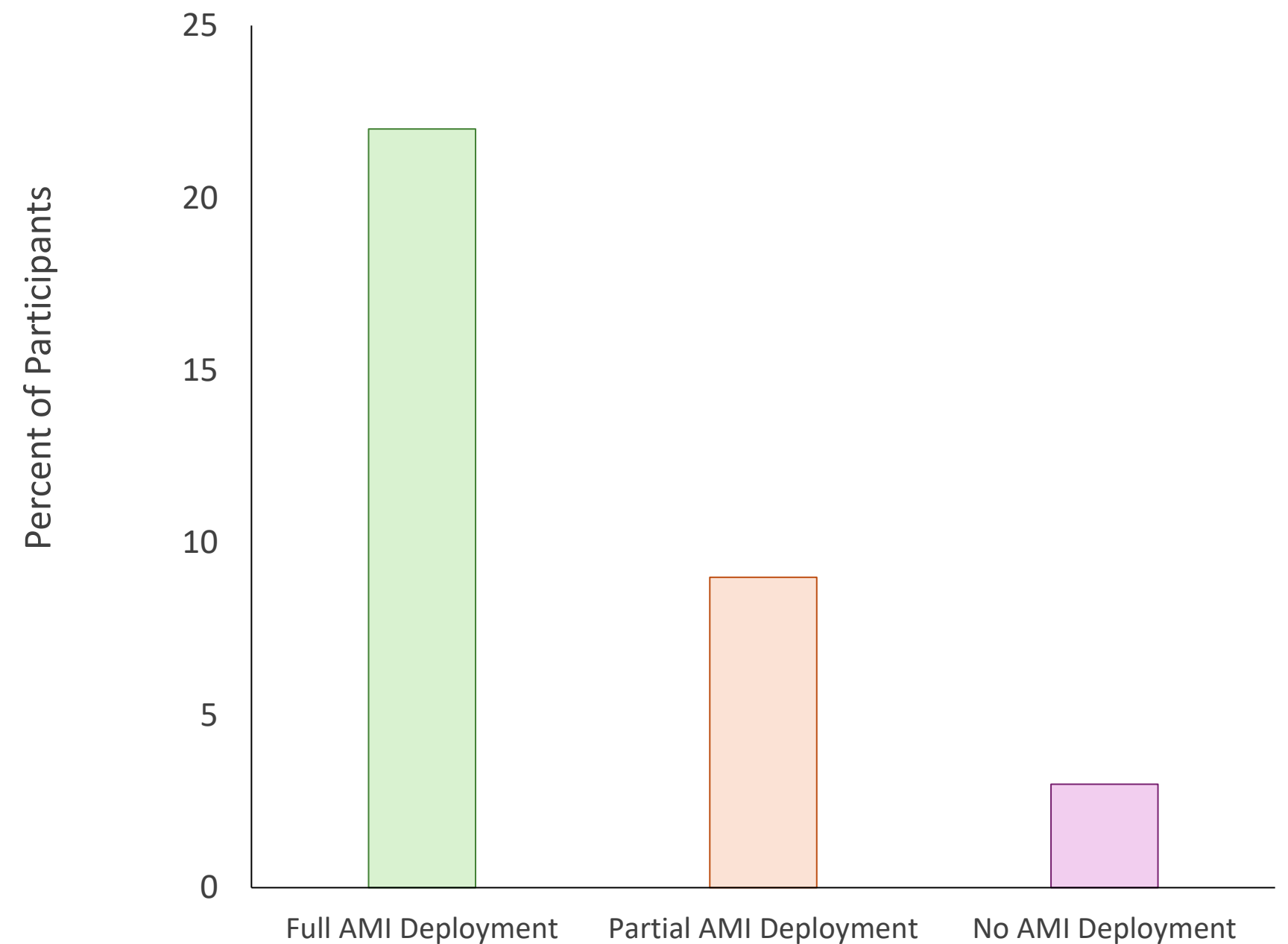


2025 SURVEY PARTICIPANTS

Number of Survey Responses By U.S. State

| | |
|------------|---|
| Arizona | 2 |
| California | 7 |
| Colorado | 7 |
| Florida | 4 |
| Georgia | 4 |
| Nevada | 1 |
| Texas | 7 |
| Utah | 1 |
| Washington | 1 |

Survey Participants AMI Deployment



SURVEY DETAILS

Sections

- Customer Contact Information & Notifications
- AMI Software & Hardware
- Management & Operations
- Minimum Continuous Flow Notifications
- High Flow Notifications
- Water Savings
- Customer Resources
- Leak Program and Bill Adjustments
- Common Practices

| <i>Classification</i> | <i>Percent of Responses</i> |
|-----------------------|-----------------------------|
| <i>Very Uncommon</i> | <i>0-20%</i> |
| <i>Uncommon</i> | <i>21-40%</i> |
| <i>Average</i> | <i>41-60%</i> |
| <i>Common</i> | <i>61-80%</i> |
| <i>Very Common</i> | <i>81-100%</i> |

AN INTERACTIVE PRESENTATION

This presentation
will involve polling...

the old school way



WATER USAGE NOTIFICATIONS

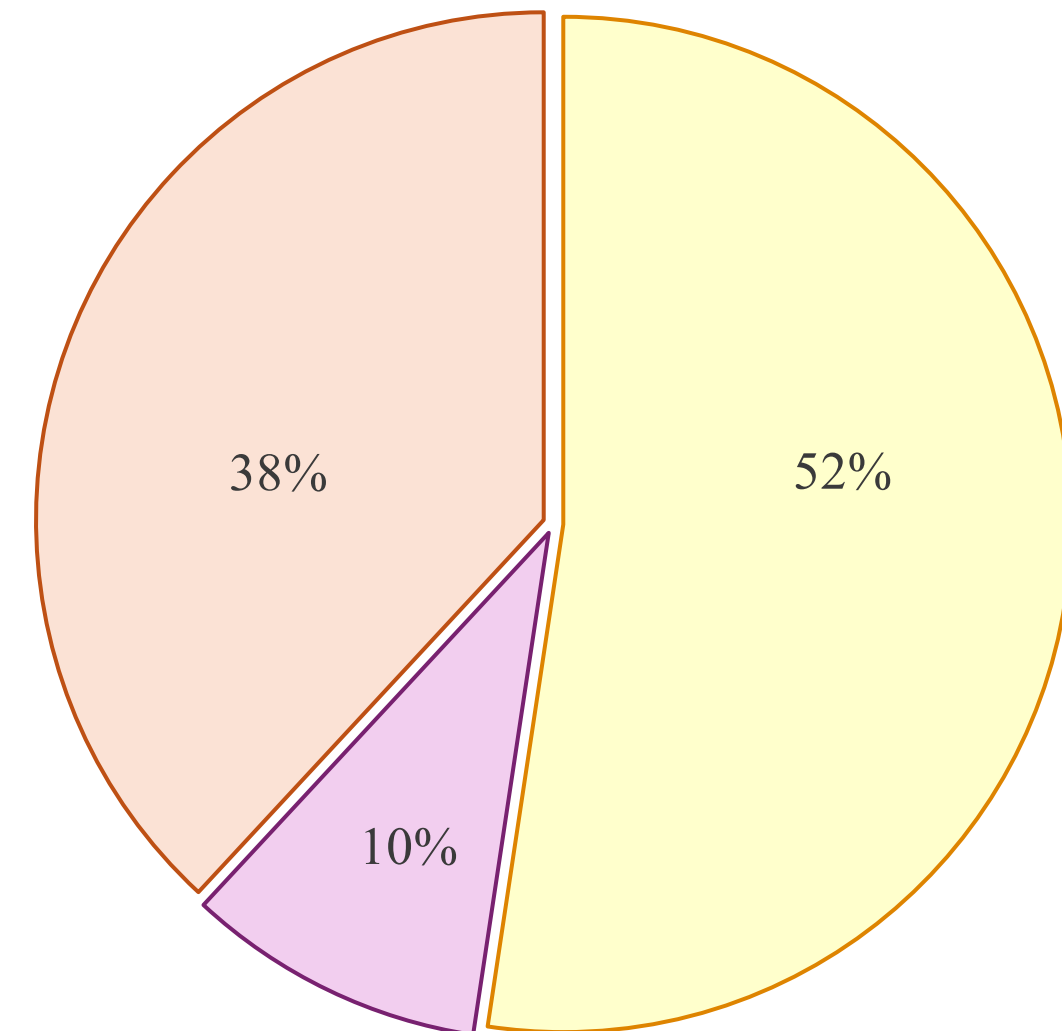
Raise your hand

if your organization provides
customers with opt-in
vacation water usage alerts

WATER USAGE NOTIFICATIONS

Is it an *average* practice for a utility to have an opt-in water usage vacation alert

| <i>Classification</i> |
|-----------------------|
| <i>Very Uncommon</i> |
| <i>Uncommon</i> |
| <i>Average</i> |
| <i>Common</i> |
| <i>Very Common</i> |



- Opt-In Vacation Alert
- Opt-Out Vacation Alert
- No Vacation Alert

WATER SAVINGS

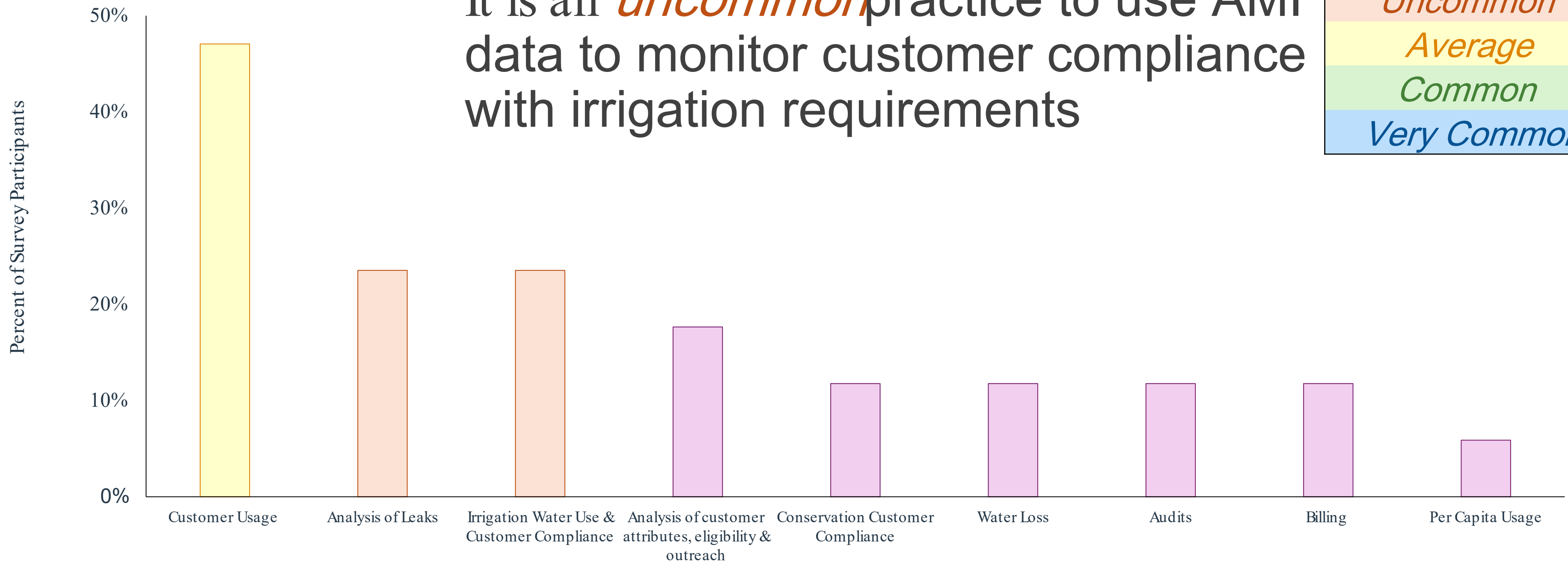
Raise your hand

if your organization uses AMI
data to monitor customer
compliance with irrigation
requirements

WATER SAVINGS

It is an *uncommon* practice to use AMI data to monitor customer compliance with irrigation requirements

| Classification |
|----------------|
| Very Uncommon |
| Uncommon |
| Average |
| Common |
| Very Common |



WATER SAVINGS

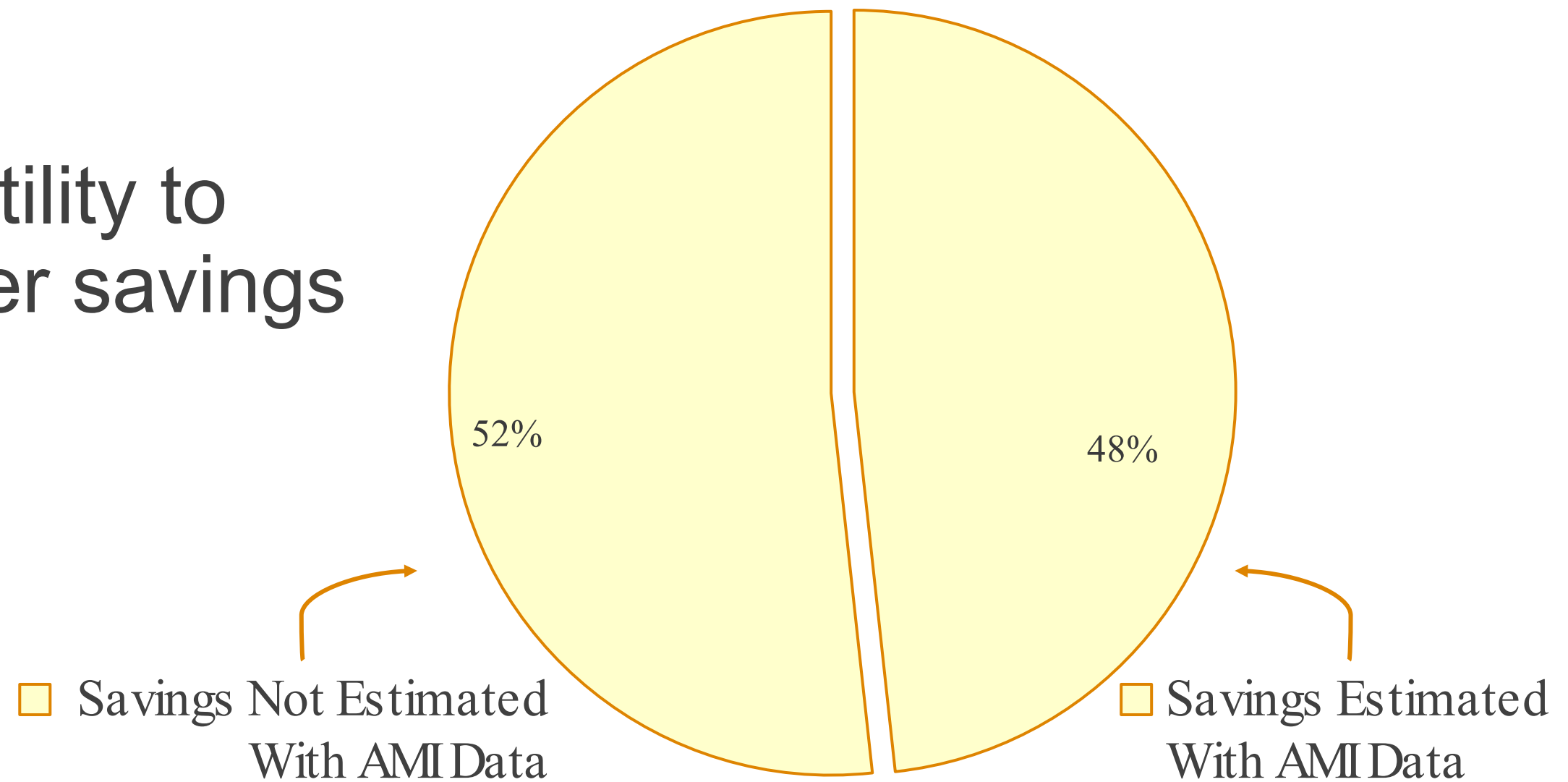
Raise your hand

if your organization uses AMI
data to estimate water savings
from notification programs

WATER SAVINGS

Is it an *average* practice for a utility to use AMI data to estimate water savings from notification programs

| <i>Classification</i> |
|-----------------------|
| <i>Very Uncommon</i> |
| <i>Uncommon</i> |
| <i>Average</i> |
| <i>Common</i> |
| <i>Very Common</i> |



AMI DEPLOYMENT

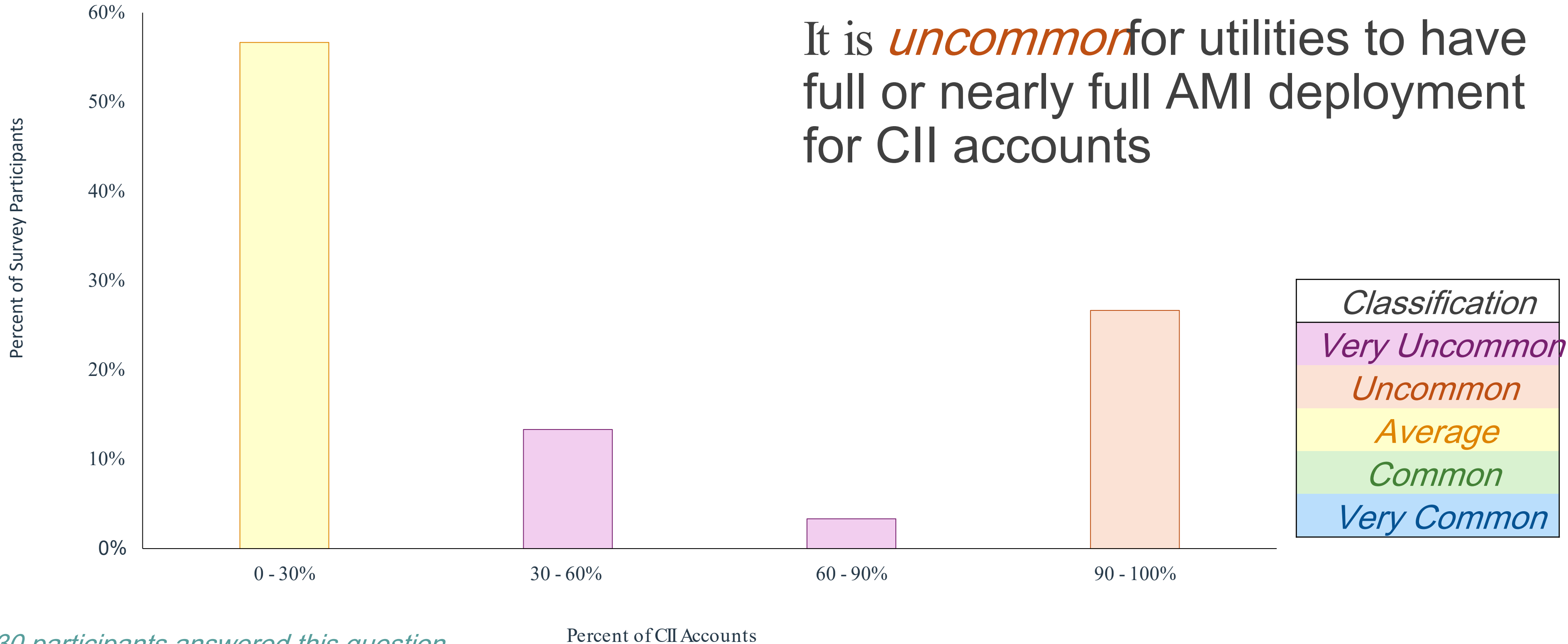
Raise your hand

if your organization has full or
nearly full AMI deployment for
CII accounts

(90–100% of accounts)

AMI DEPLOYMENT

It is *uncommon* for utilities to have full or nearly full AMI deployment for CII accounts



30 participants answered this question

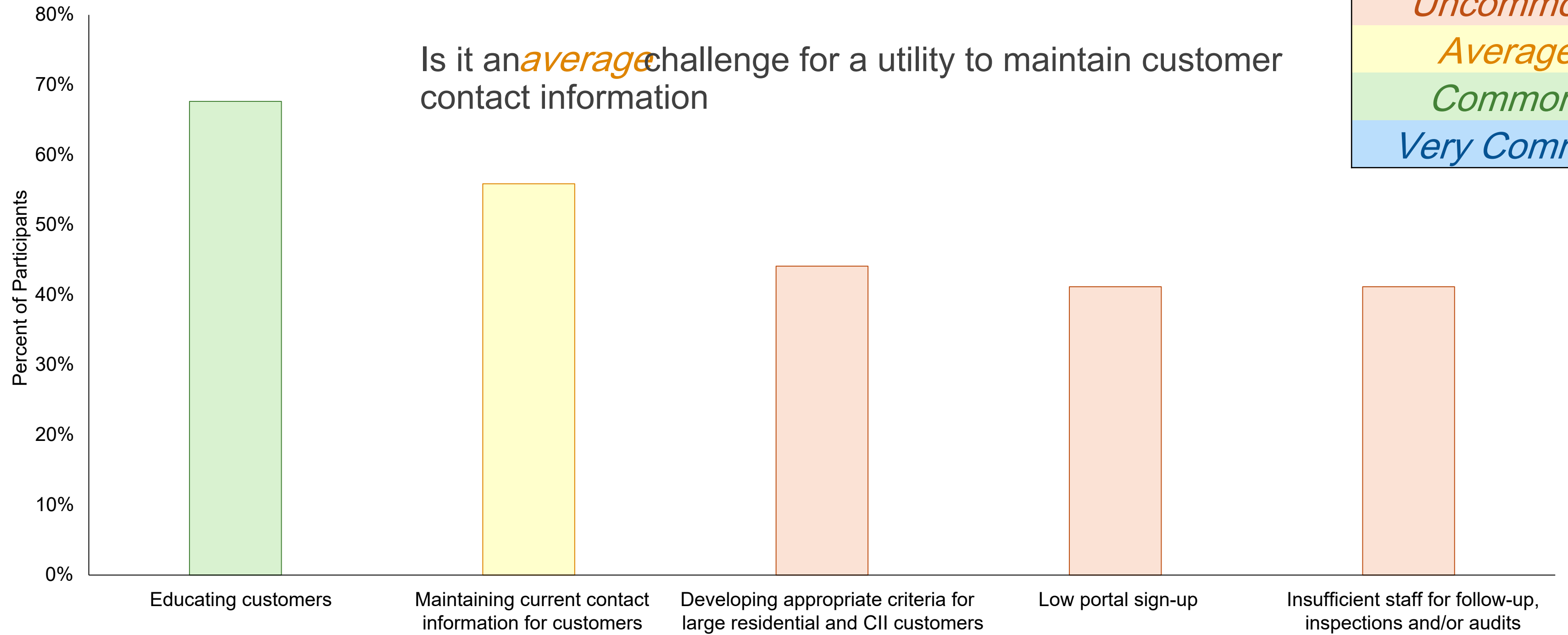
Percent of CII Accounts

COMMON CHALLENGES

Raise your hand

if your organization finds it
challenging to maintain
accurate customer contact
information

COMMON CHALLENGES



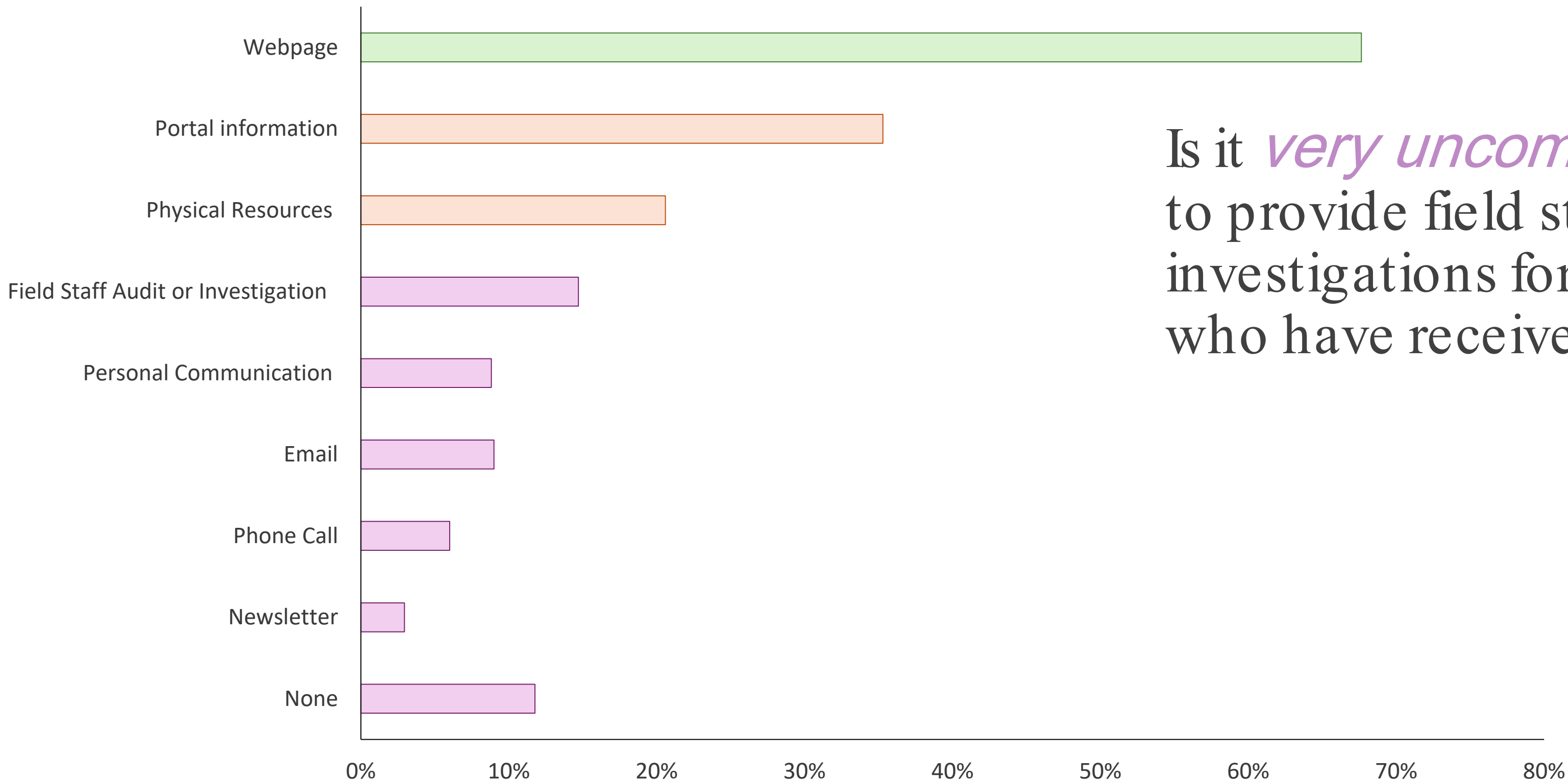
34 participants answered this question

CUSTOMER RESOURCES

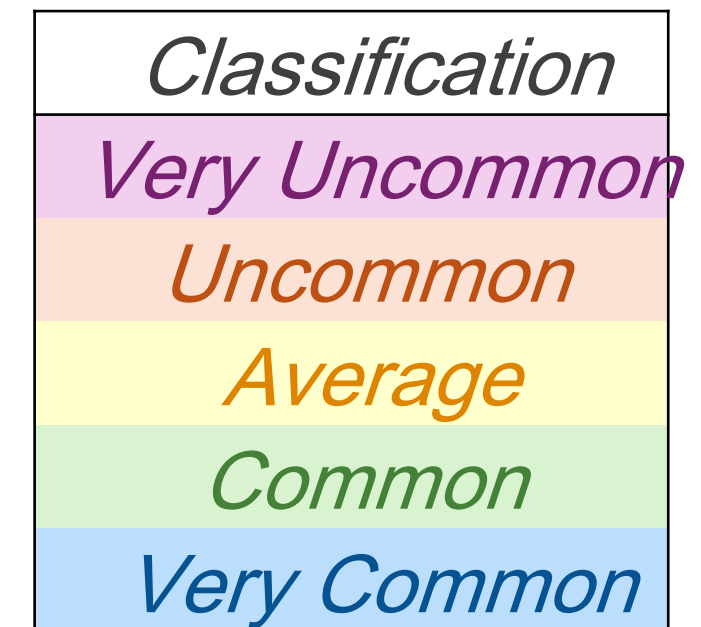
Raise your hand

if your organization provides
field staff audits or
investigations for customers
who have received a leak alert

CUSTOMER RESOURCES



Is it *very uncommon* for utilities to provide field staff audits or investigations for customers who have received a leak alert



34 participants answered this question

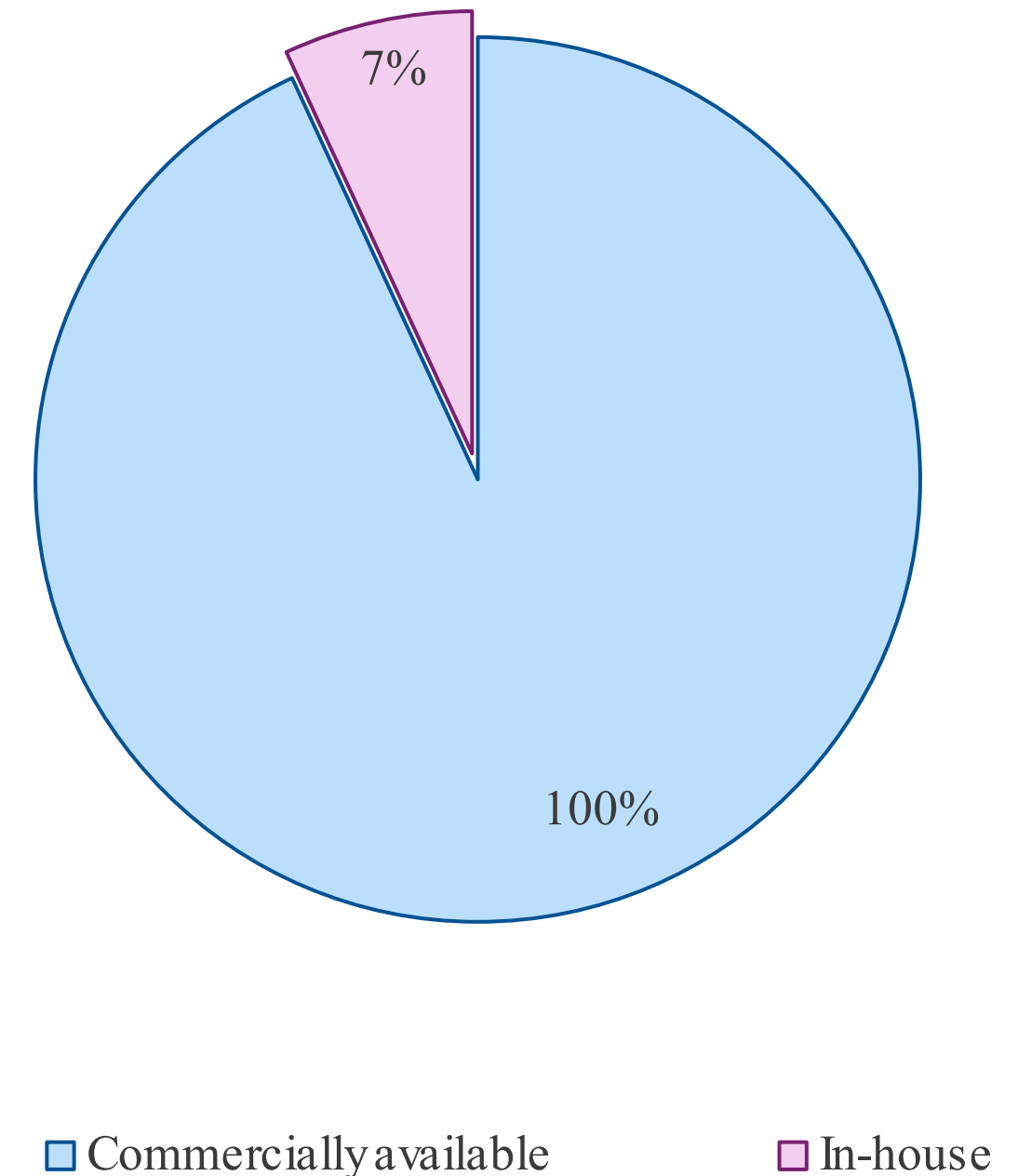
AMI SOFTWARE & HARDWARE

Raise your hand
if your organization
developed your AMI platform
in-house

AMI SOFTWARE & HARDWARE

Is it *very uncommon* for a utility to use an in-house AMI solution and *very common* to use AMI software that is commercially available

| <i>Classification</i> |
|-----------------------|
| <i>Very Uncommon</i> |
| <i>Uncommon</i> |
| <i>Average</i> |
| <i>Common</i> |
| <i>Very Common</i> |



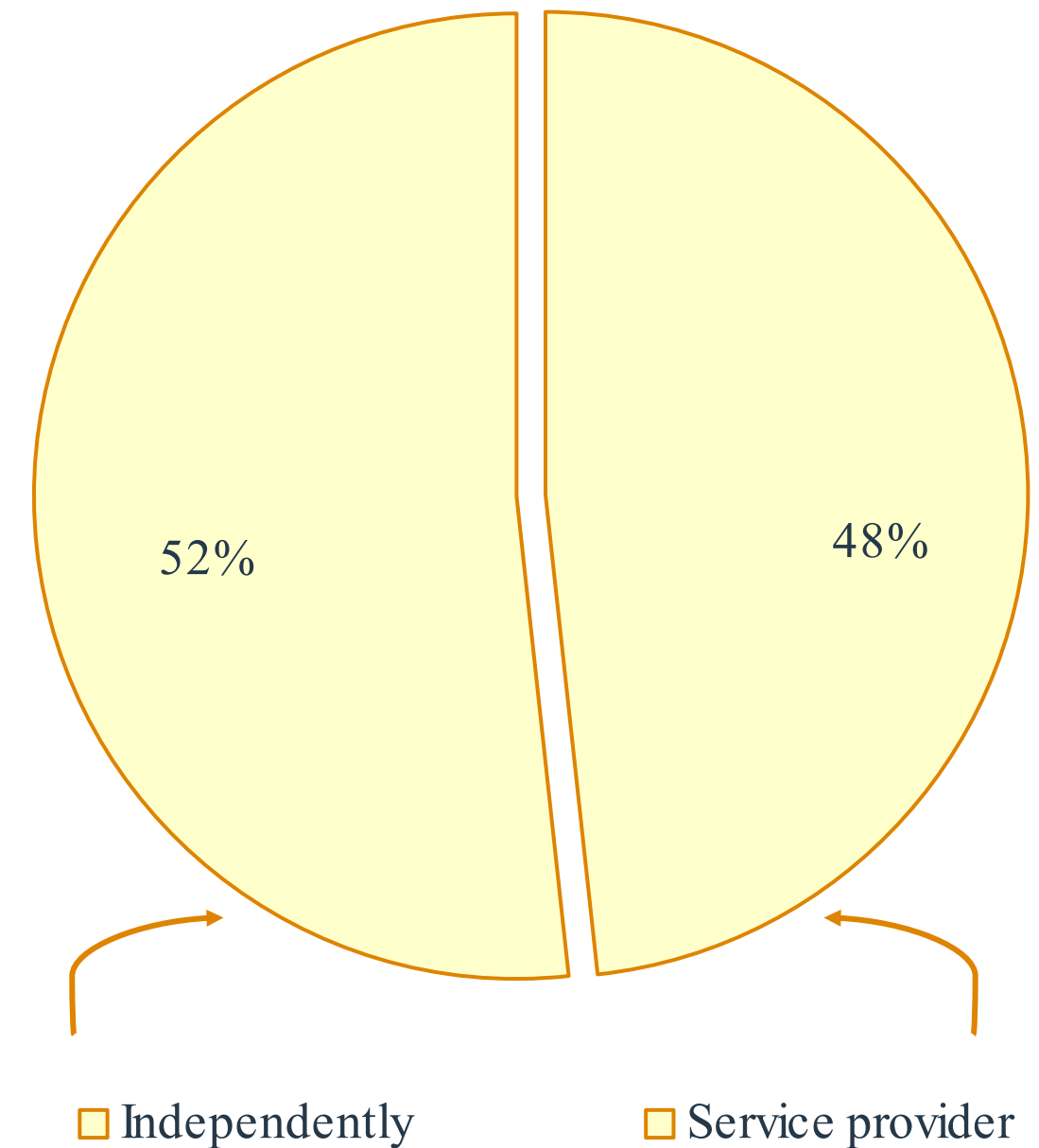
AMI SOFTWARE & HARDWARE

Raise your hand
if a third-party service
provider manages your AMI
platform

AMI SOFTWARE & HARDWARE

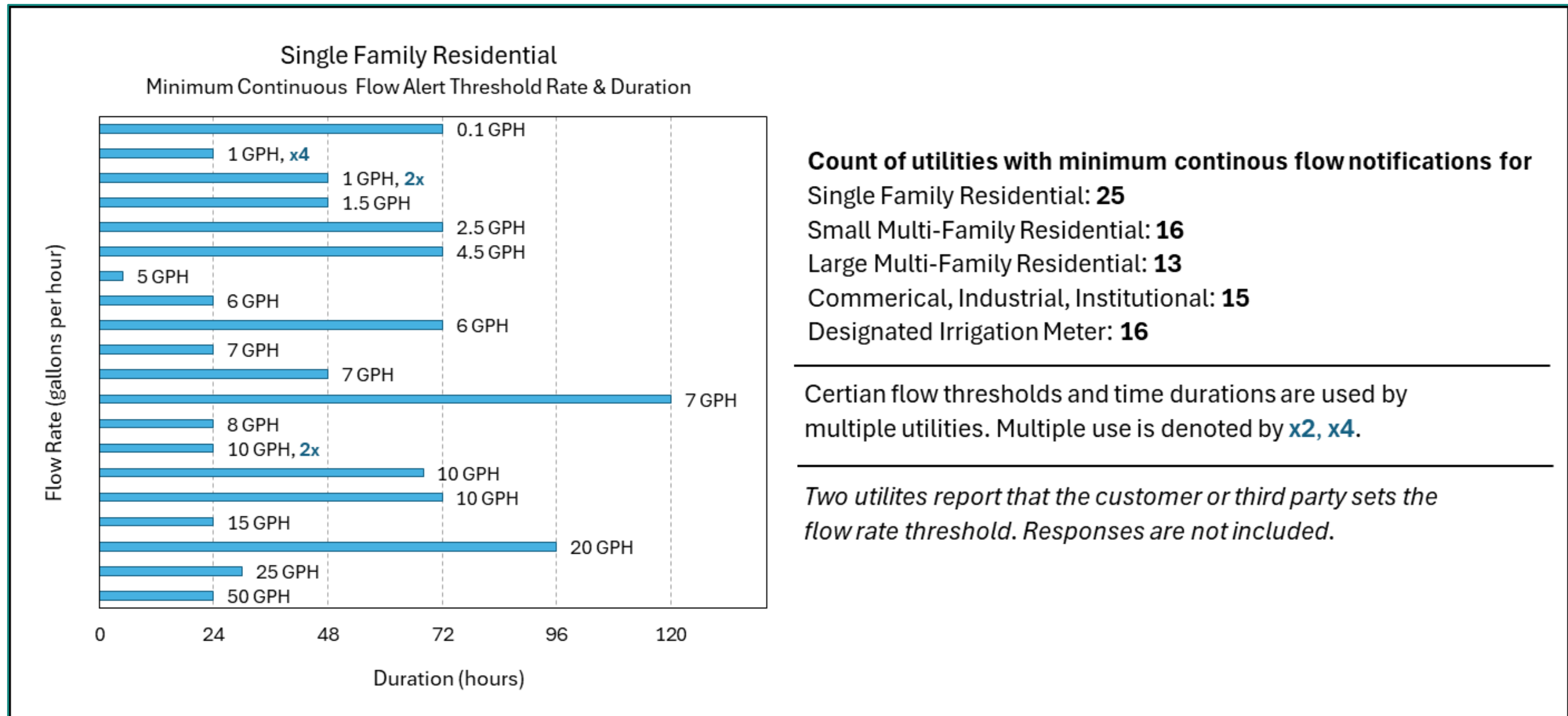
Is it an *average* practice for a utility to manage their AMI system independently or through a service provider

| <i>Classification</i> |
|-----------------------|
| <i>Very Uncommon</i> |
| <i>Uncommon</i> |
| <i>Average</i> |
| <i>Common</i> |
| <i>Very Common</i> |



BUT WAIT, THERE'S MORE DATA!

- Survey results include*
- ✓ *Type of notifications*
 - ✓ *Flow rates*
 - ✓ *And more!*



WHAT'S NEXT

Report coming soon

- ✓ Full survey results
- ✓ Comparison among peer utilities
- ✓ Scaled results

Benchmarking effort improved with more data

AMI Engagement
Benchmarking Tool

- ✓ All utilities are invited to use tool
- ✓ Continuous update of results
- ✓ Access to detailed results

Joan Hughes

Director of Programs & Research

Joan@a4we.org



318 W Adams St., Ste. 1514
Chicago, IL 60606

OFFICE 773-360-5100

<https://www.allianceforwaterefficiency.org>

Alliance for Water Efficiency

Thank You!

Maximizing Agency Resources and Positive Customer Engagement



May 27, 2026

Lauren Benefield

Water Conservation Specialist

Why This Matters to the District?

- Staff time is limited and must be used efficiently
- Customers expect timely service and clear information
- Conservation programs must show measurable results
- Better tools help the agency do more with existing resources



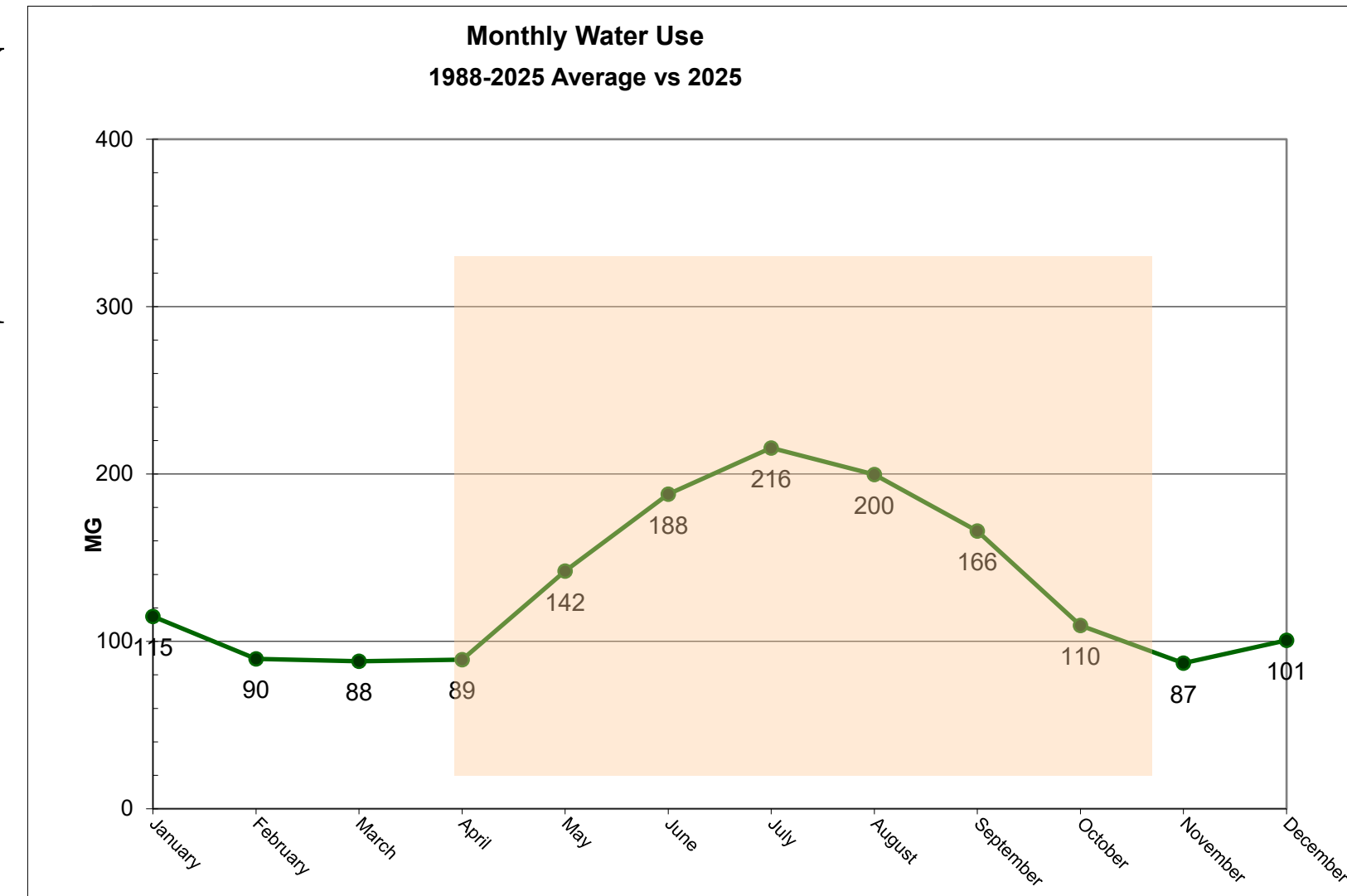
Conservation Enforcement: Saving Staff Time

- Designated watering day enforcement can be managed remotely
- Reduces the need for staff to go out at night
- Frees staff for other priorities



Seasonal Risk and Outreach Opportunities

- Summer AMI data can help identify customer seasonal patterns
- Outreach can be planned based on actual water use
- High-use patterns can help target conservation messaging
- Seasonal issues can be addressed more proactively



Improving Public Trust Through Visibility

- Customers can see their water use
- Customers can better understand their bills
- Bill estimator tools improve transparency
- Customers can communicate with staff about water use issues
- Especially helpful for second homeowners



Leak Detection and Repair Support

- Leak Repair Rebate supports customer action
- Record leak rate and leak volume to understand leaks better
- Program outcomes help support grant reporting

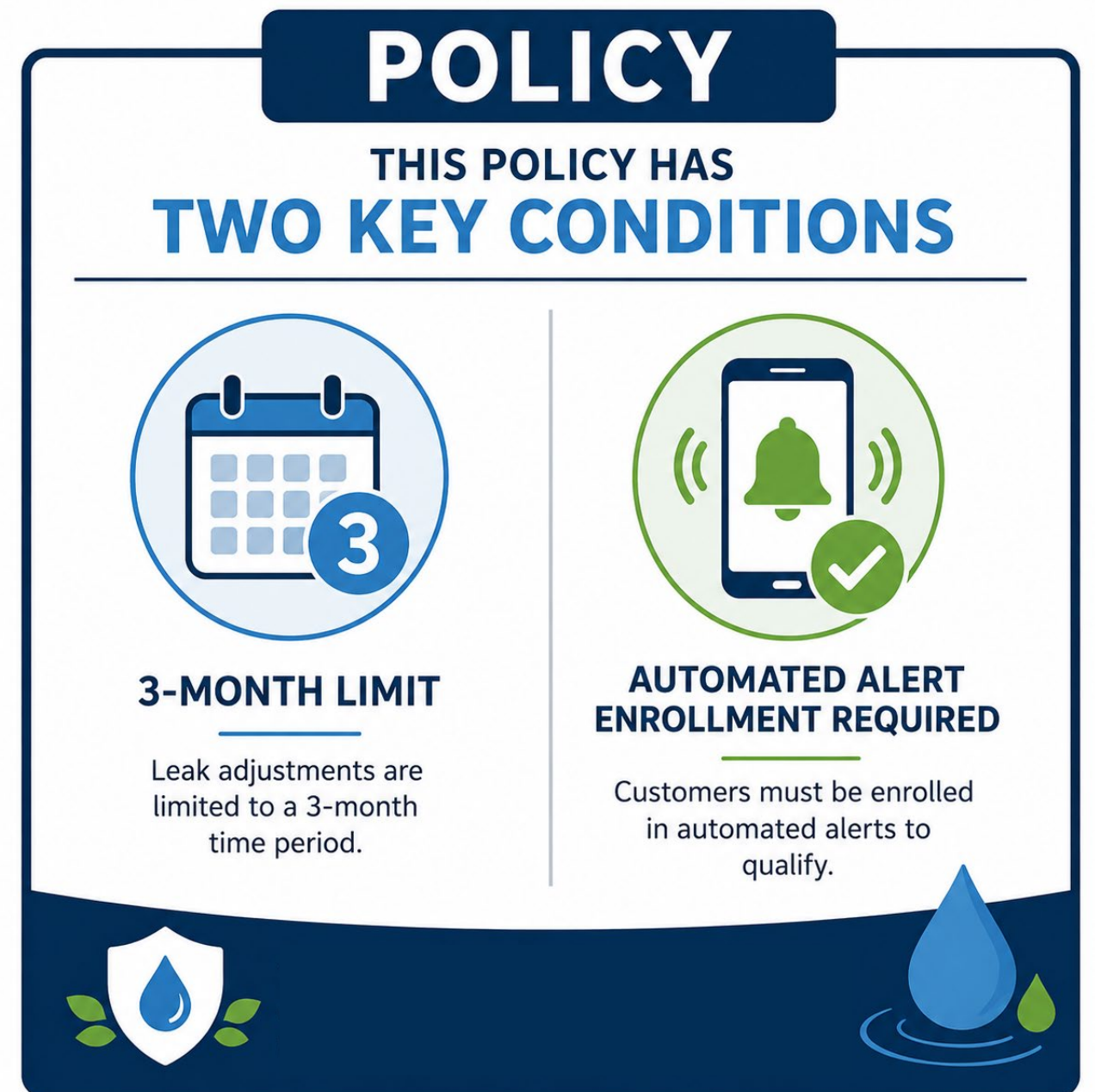


Burst pipe caught with AMI data



Leak Adjustment Policy Improvements

- Leak adjustment policy updated to a 3-month limit
- Customers must be enrolled in automated alerts
- Policy supports faster response to leaks
- Encourages customer participation in available tools



POLICY
THIS POLICY HAS
TWO KEY CONDITIONS

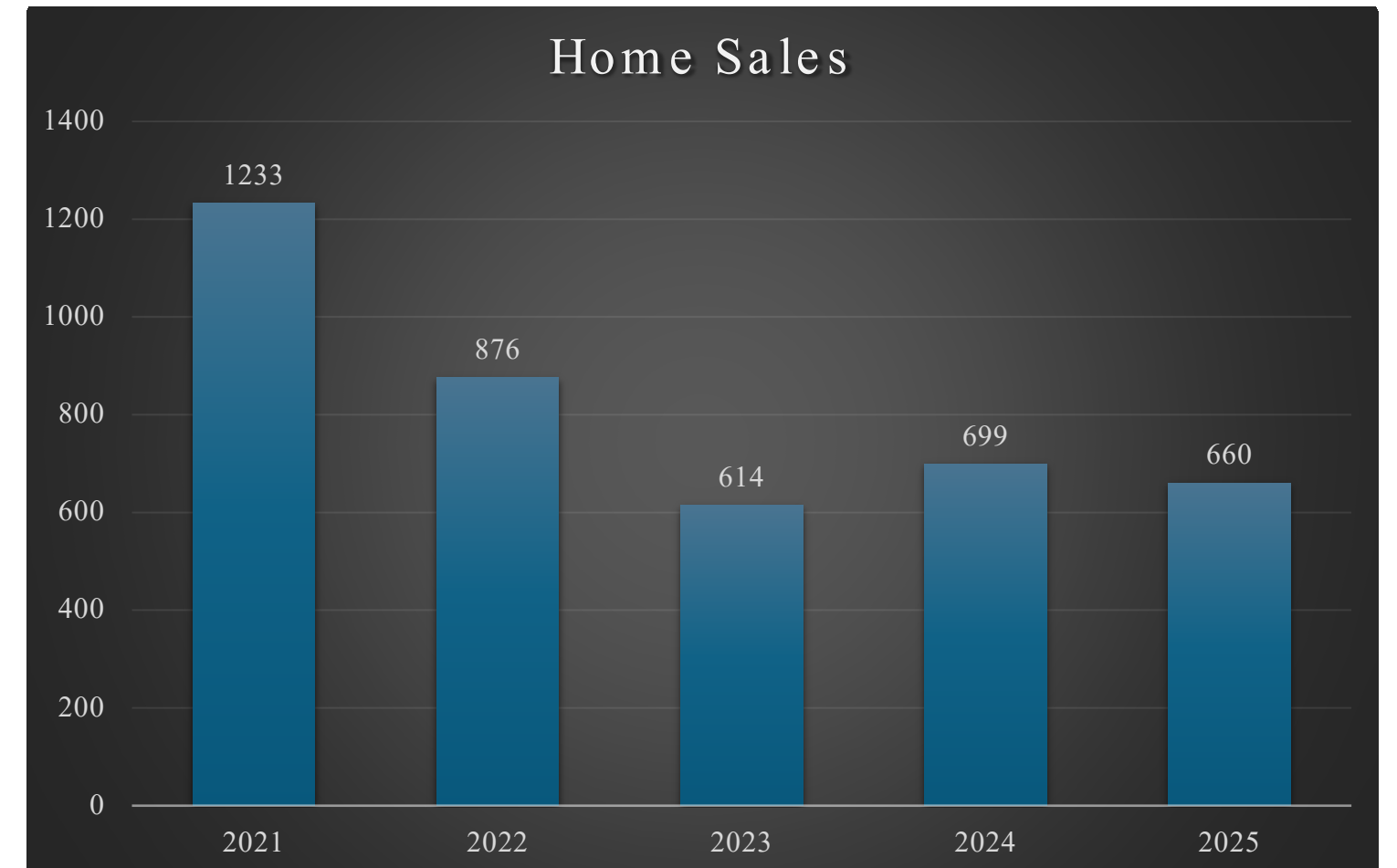
3-MONTH LIMIT
Leak adjustments are limited to a 3-month time period.

AUTOMATED ALERT ENROLLMENT REQUIRED
Customers must be enrolled in automated alerts to qualify.

The graphic features a dark blue header with the word 'POLICY' in white. Below it, the text 'THIS POLICY HAS TWO KEY CONDITIONS' is displayed in blue. Two columns of information are separated by a vertical line. The left column has a calendar icon with a '3' in a blue circle, followed by the heading '3-MONTH LIMIT' and the text 'Leak adjustments are limited to a 3-month time period.' The right column has a smartphone icon with a bell and a checkmark, followed by the heading 'AUTOMATED ALERT ENROLLMENT REQUIRED' and the text 'Customers must be enrolled in automated alerts to qualify.' The bottom of the graphic is dark blue with a white shield icon containing a water drop on the left and a blue water drop icon on the right.

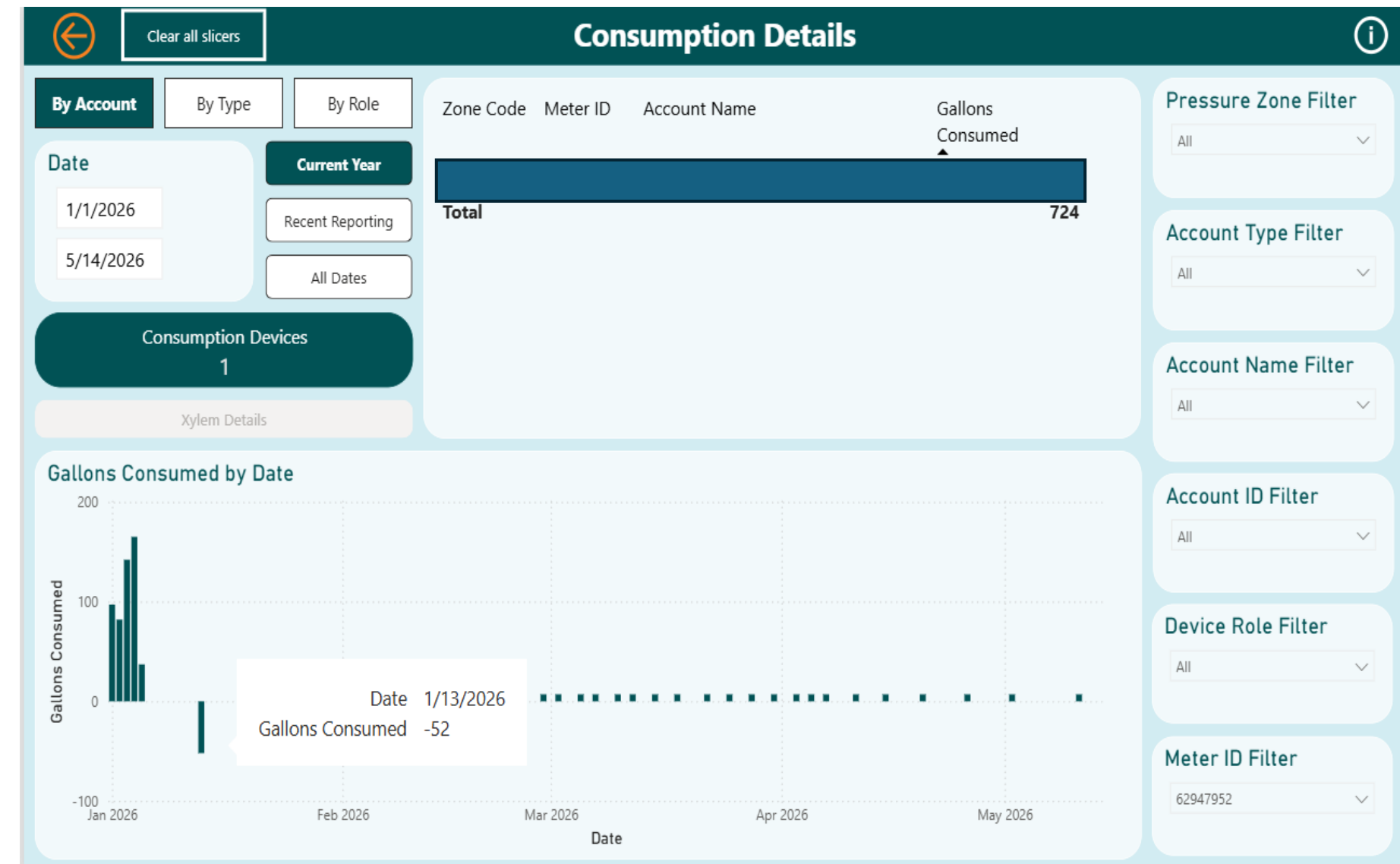
Automated Meter Reading Improves Operations

- One day per month completing meter read driving route
 - Including customer opt outs
- Staff can focus on other priorities instead of routine reads



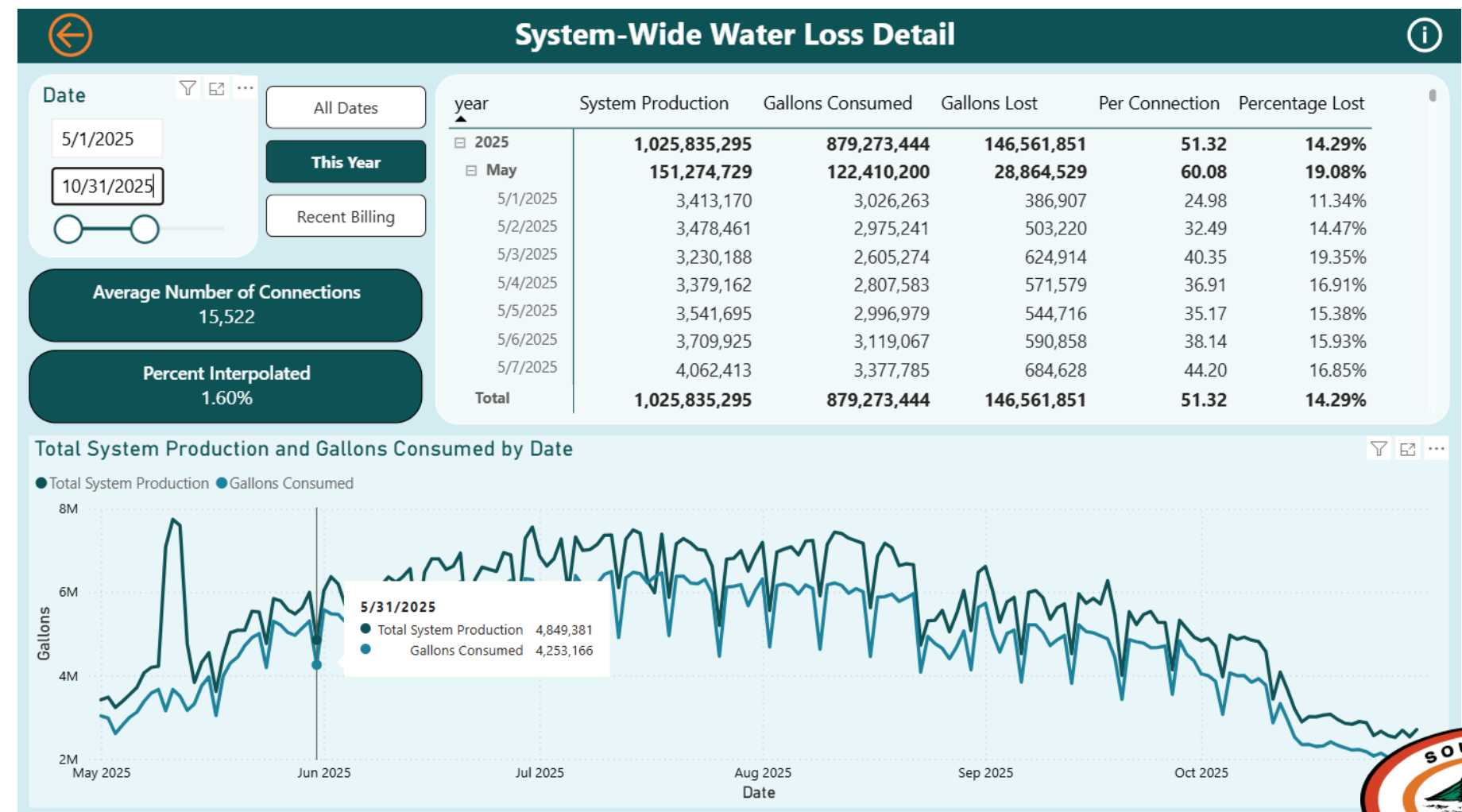
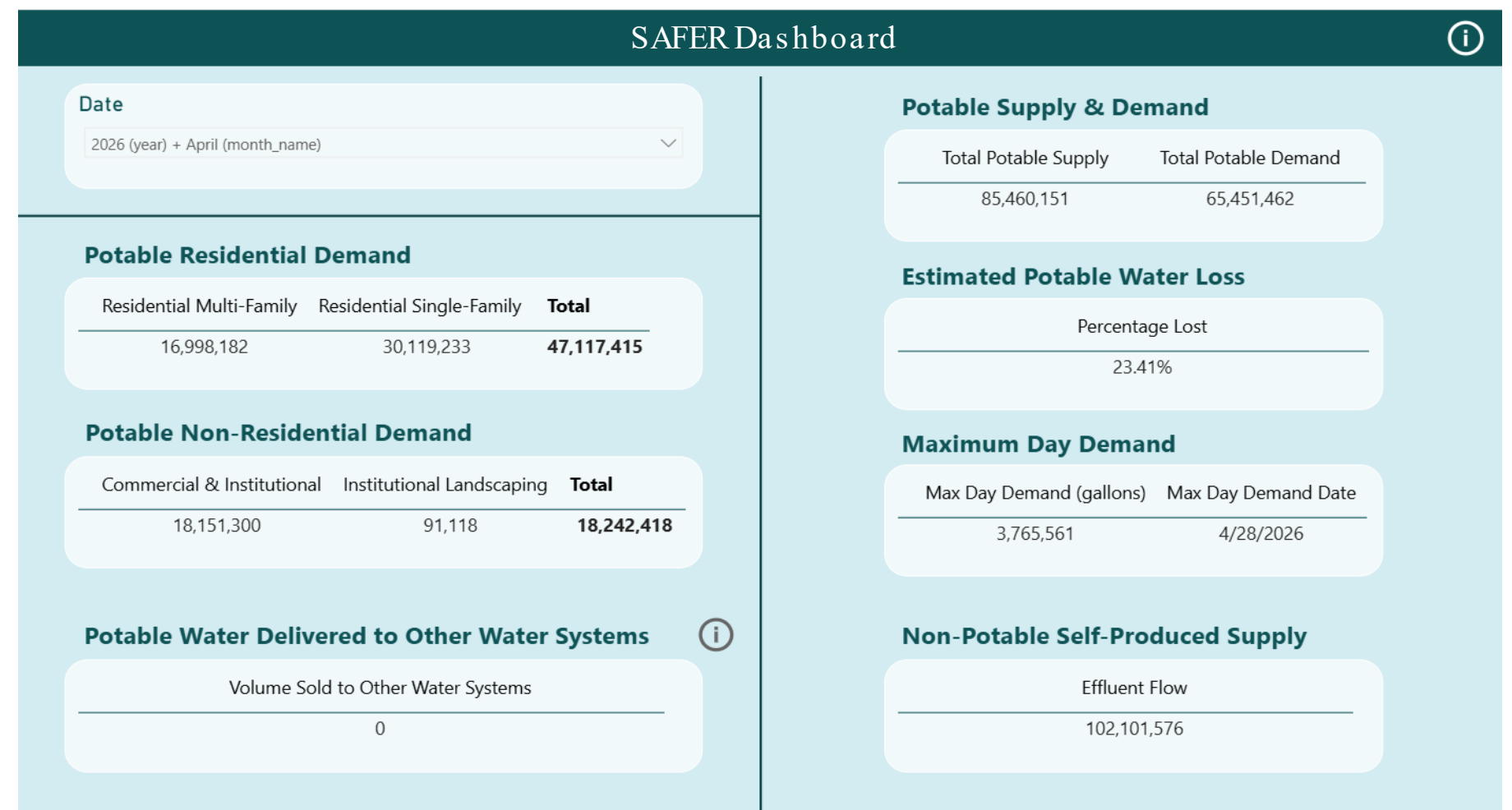
Using Meter Data to Identify Problems Earlier

- Failing meters can be identified more quickly
- Can identify meters with negative reads quicker
- Monthly review helps catch issues earlier
- Better data improves billing accuracy and service response



Reporting Value

- Supports SAFER reporting
- Supports DIMS and customer water use by category reporting
- UWUO variance application
- Helps maximize existing agency resources





Questions?

Lauren Benefield
lbenefield@stpud.us



CalWEP Peer to Peer 2026

Leveraging AMI at EBMUD

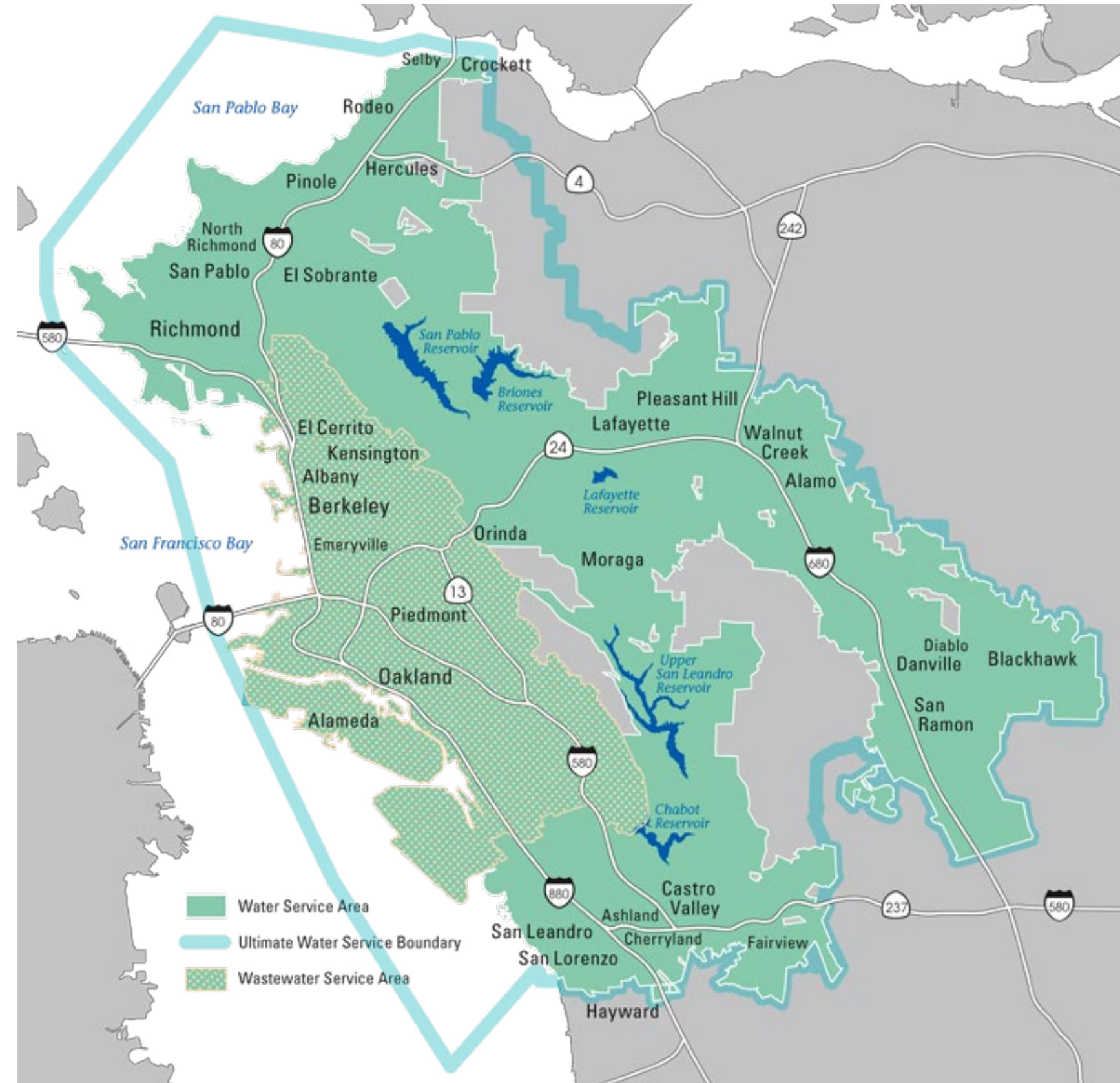


Geneva Gondak

Supervisor of Water Conservation

EBMUD Water & Wastewater Service Areas

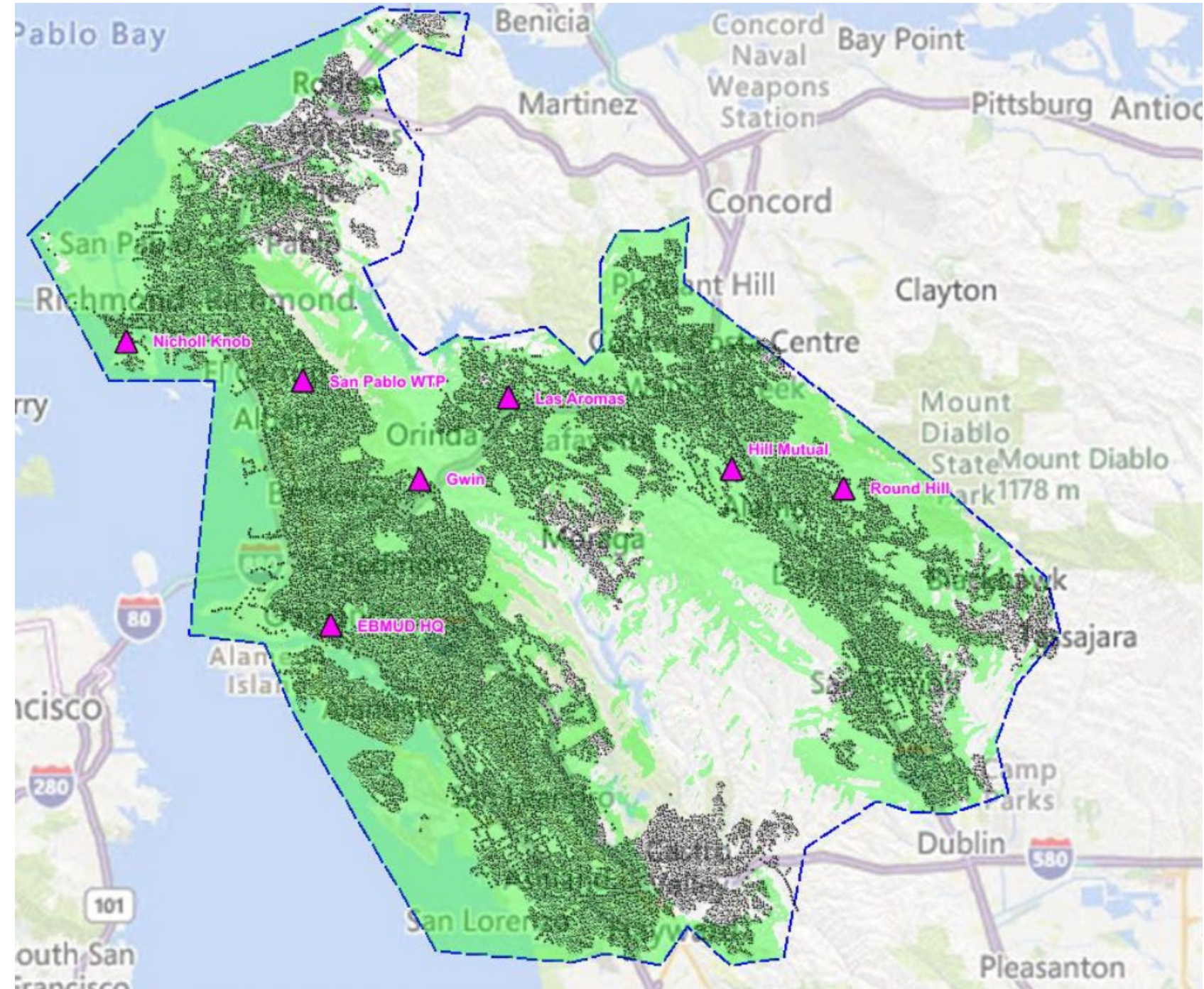
- Alameda & Contra Costa Counties
- 1.4 million water customers
- 685,000 wastewater customers
- ~400,000 total water service connections
 - ~333k SFR accounts
 - ~28k MFR accounts
 - ~30k non-residential accounts



AMI at EBMUD

A partially deployed system

- Primarily funded via specific grant projects
- 7 collector towers
- ~20,000 AMI endpoints
- ~5% of total accounts
- Many of our CII high consumption accounts



How Are We Leveraging AMI?

Primarily:

- Commercial customer leak / high usage direct support
- Automated leak / consumption alerts for all AMI customers

Also:

- Data analysis
- Water loss work
- Outreach planning



Commercial Customer Support

- Proactive effort to reach out to customers with largest leaks – internal "leak team"
- Use AMI data to "grease the wheels" to help customers act
- AMI data review as prep for site visits
 - Irrigation accounts especially
- Set CII customers up in the online portal



Commercial Customer Case Studies

- Nursing home
- Mixed Use Development
- Business campus HQ

Use History

Oct 18, 2012 — Apr 21, 2026

CCF GALLONS PER DAY

Water Report



Activity

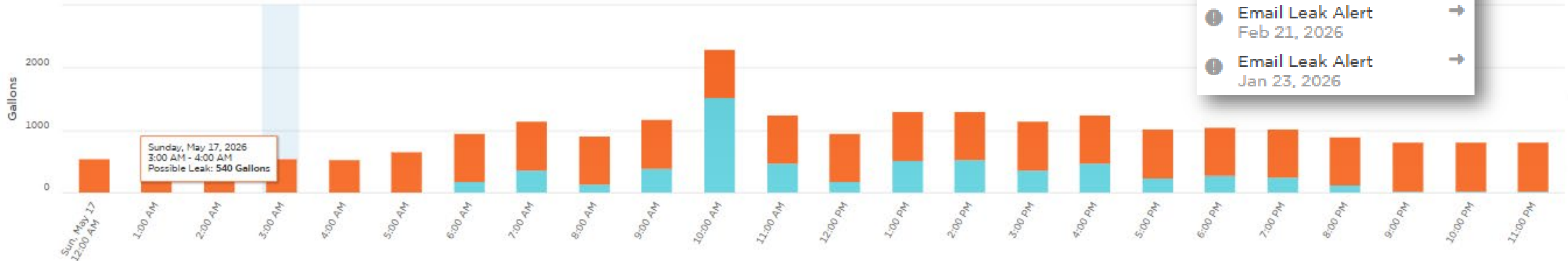
- Email Leak Alert Mar 10, 2026
- Email Leak Alert Feb 28, 2026
- Email Leak Alert Feb 27, 2026
- Email Leak Alert Feb 25, 2026
- Email Leak Alert Feb 21, 2026
- Email Leak Alert Jan 23, 2026

Use History

May 17, 2026 — May 17, 2026

DAY WEEK 2 WEEKS 2 MONTHS YEAR

Normal Use Possible Leak Timed Irrigation Data Unavailable



Commercial Customer Case Studies

- Nursing home
- Mixed Use Development
- Business campus HQ

Use History

BILLING

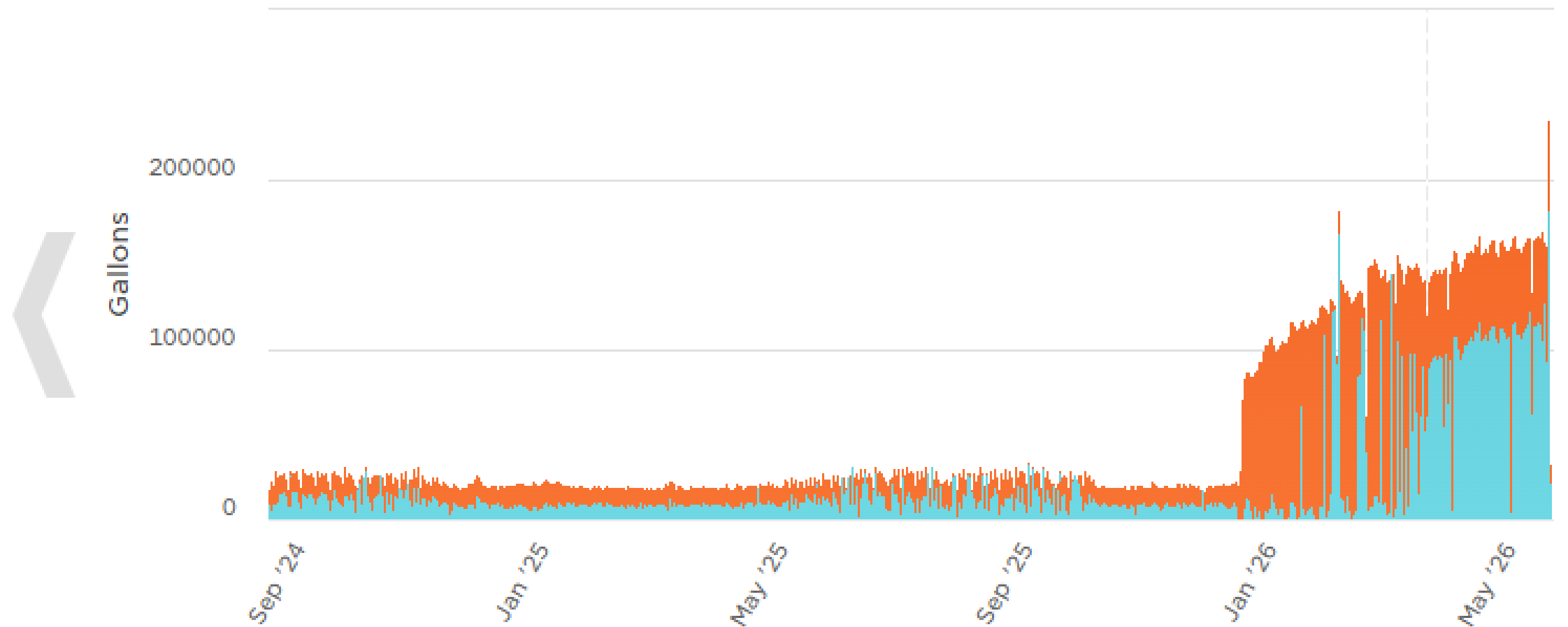
AMI

LEAKS

Aug 16, 2024 — May 21, 2026

DAY WEEK 2 WEEKS 2 MONTHS YEAR

● Normal Use ● Possible Leak ● Timed Irrigation ● Data Unavailable

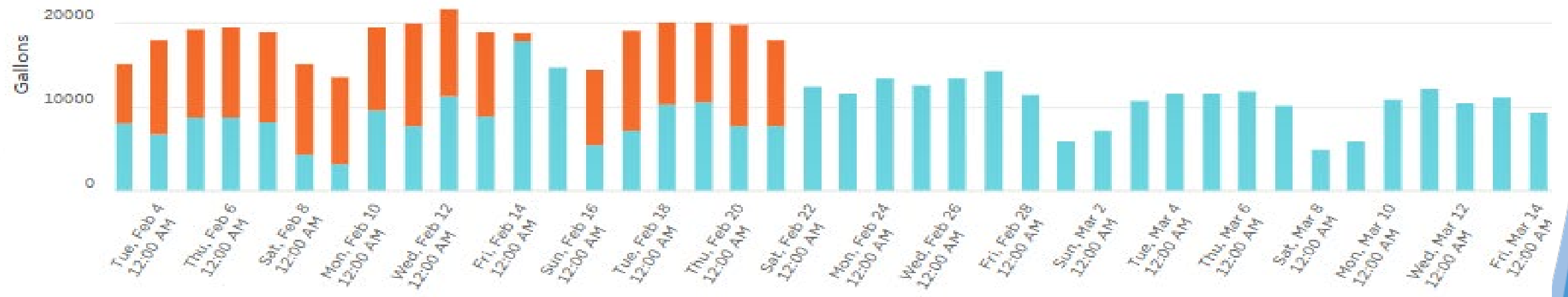


Commercial Customer Case Studies

- Nursing home
- Mixed use development
- Business campus HQ

Activity

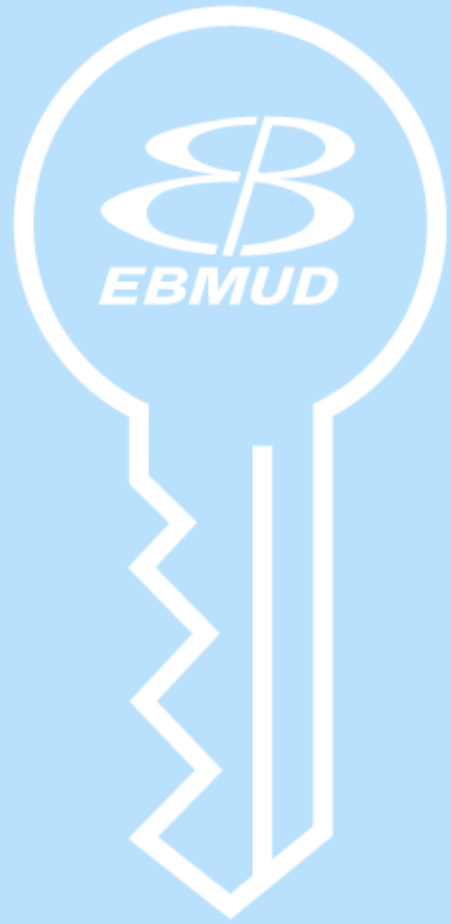
- Aug 19, 2025
- @ Re: Continuous Water Use: Y...
Feb 24, 2025
- Re: Continuous Water Use: Y...
Feb 21, 2025
- ! Email Leak Alert
Feb 20, 2025
- ! Email Leak Alert
Feb 8, 2025
- @ Water Report
Feb 18, 2024



Other Uses of AMI Data

Continuously finding more uses! Currently limited by scope of our AMI system.

- Data analysis
 - Program water savings analysis
 - Planning: predictive analysis of future demand
- Water loss
 - Pipeline leak detection
 - Use AMI to quickly determine if customer demand/leak is leading to noise on distribution mains caught by our loggers
 - DMAs
- Outreach planning
 - Review of limited AMI to assess likely trends across customers and target outreach



Key Takeaways

- AMI is not a "set it and forget it" system
- While AMI helps us automate leak messaging efficiently, still substantial on-the-ground staff time required to fully utilize system
- Prioritize going after highest consumption accounts with leaks to get most staff time bang for buck in terms of water savings
- Many other non-leak uses for AMI!

Reach out with any questions!

geneva.gondak@ebmud.com





Irvine Ranch
Water District



IRWD AMI IMPLEMENTATION STRATEGY

CALWEP PEER-TO-PEER

MAY 27, 2026

AGENDA

AMI Project Background

AMI Feasibility Study

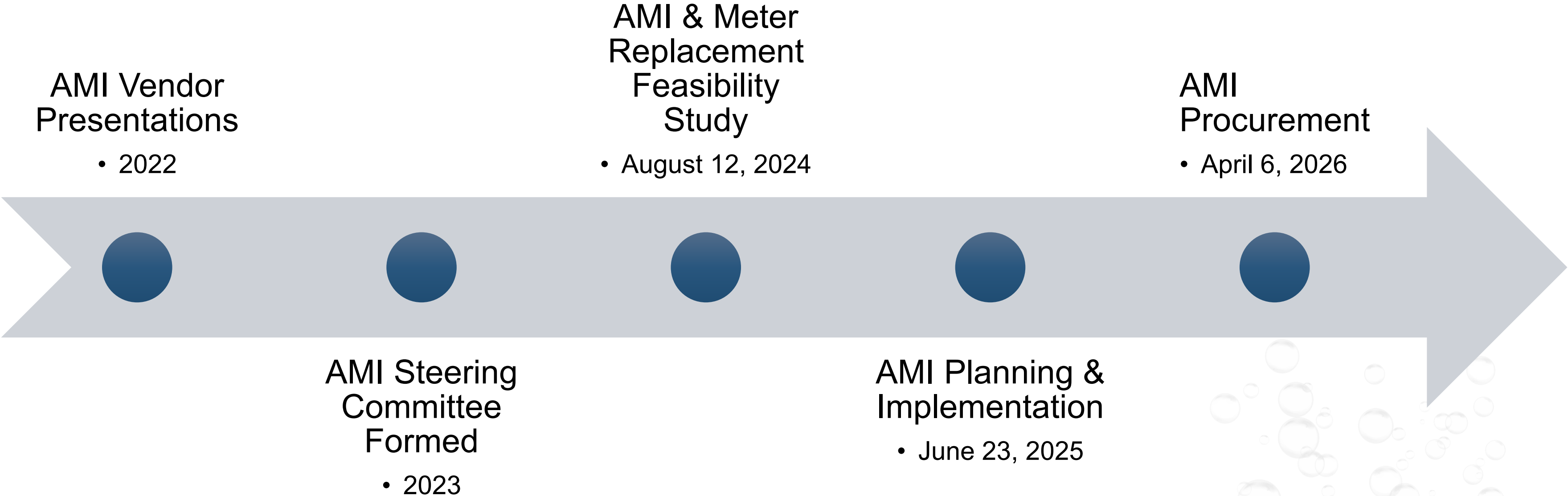
AMI Implementation Planning

Procurement Process

Questions



PROJECT BACKGROUND



IRWD AMI STEERING COMMITTEE



Amy McNulty
Water Efficiency Manager

Ryan Matuska
Customer Service Manager



Jason Manning
Director of Maintenance Operations

Joe Lam
Automation Manager



Mohit Saini
Applications Manager

Mike Mroczek
Water Efficiency Analyst



Andrea Scholz
Human Resources Analyst

Christopher Smithson
Director of Financial Planning and Data...



David Perez
Water Maintenance Supervisor

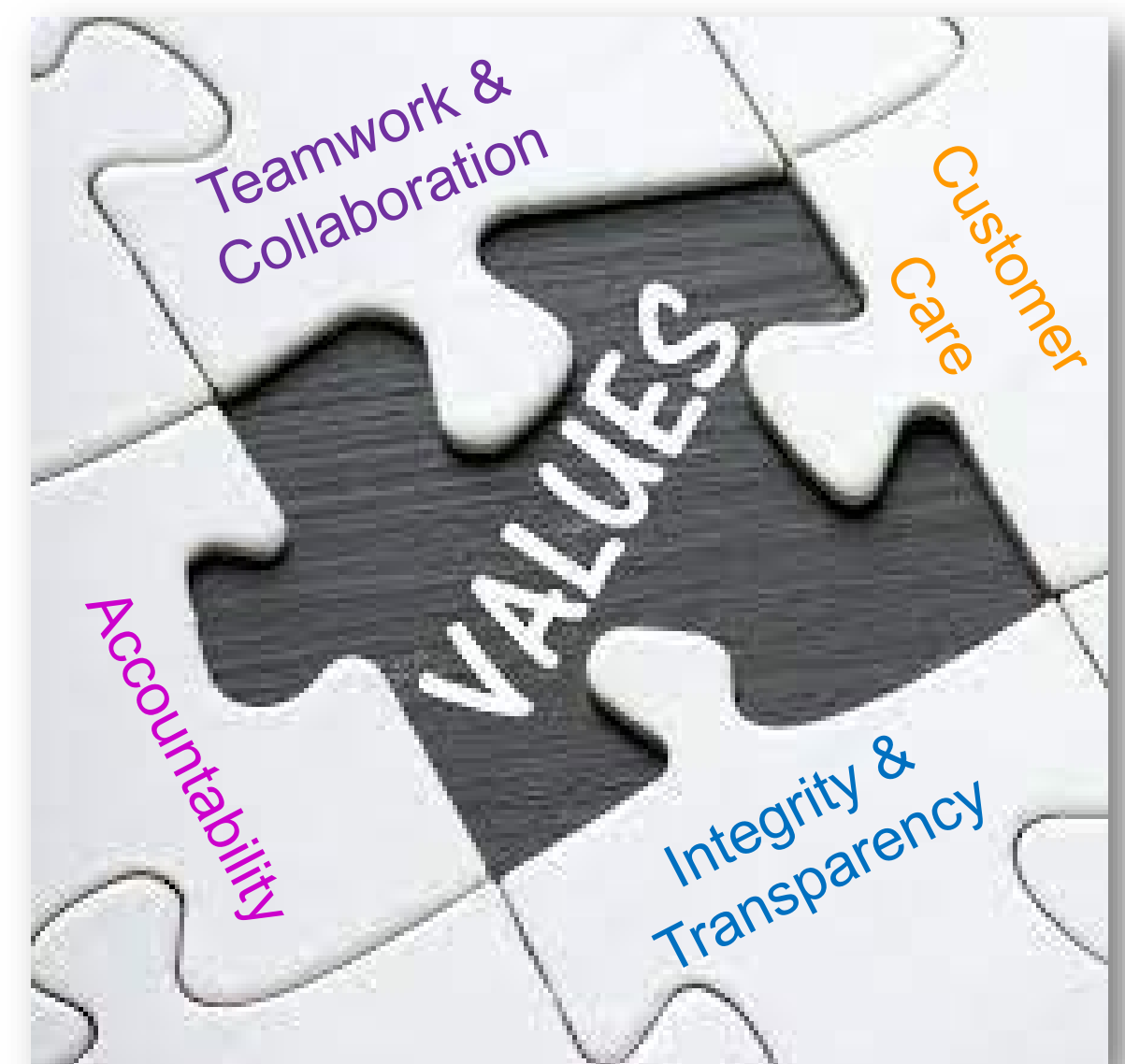
Deniene Rivenburg
Senior Communications Analyst/Deput...



Jessie Muncy
Senior Risk Analyst

Mitchell Robinson
Senior Engineer

Norman Bush
Purchasing Manager



A steering committee's purpose is to guide and oversee a project to ensure it's completed successfully. Steering committees are made up of stakeholders, project managers, and senior leadership.

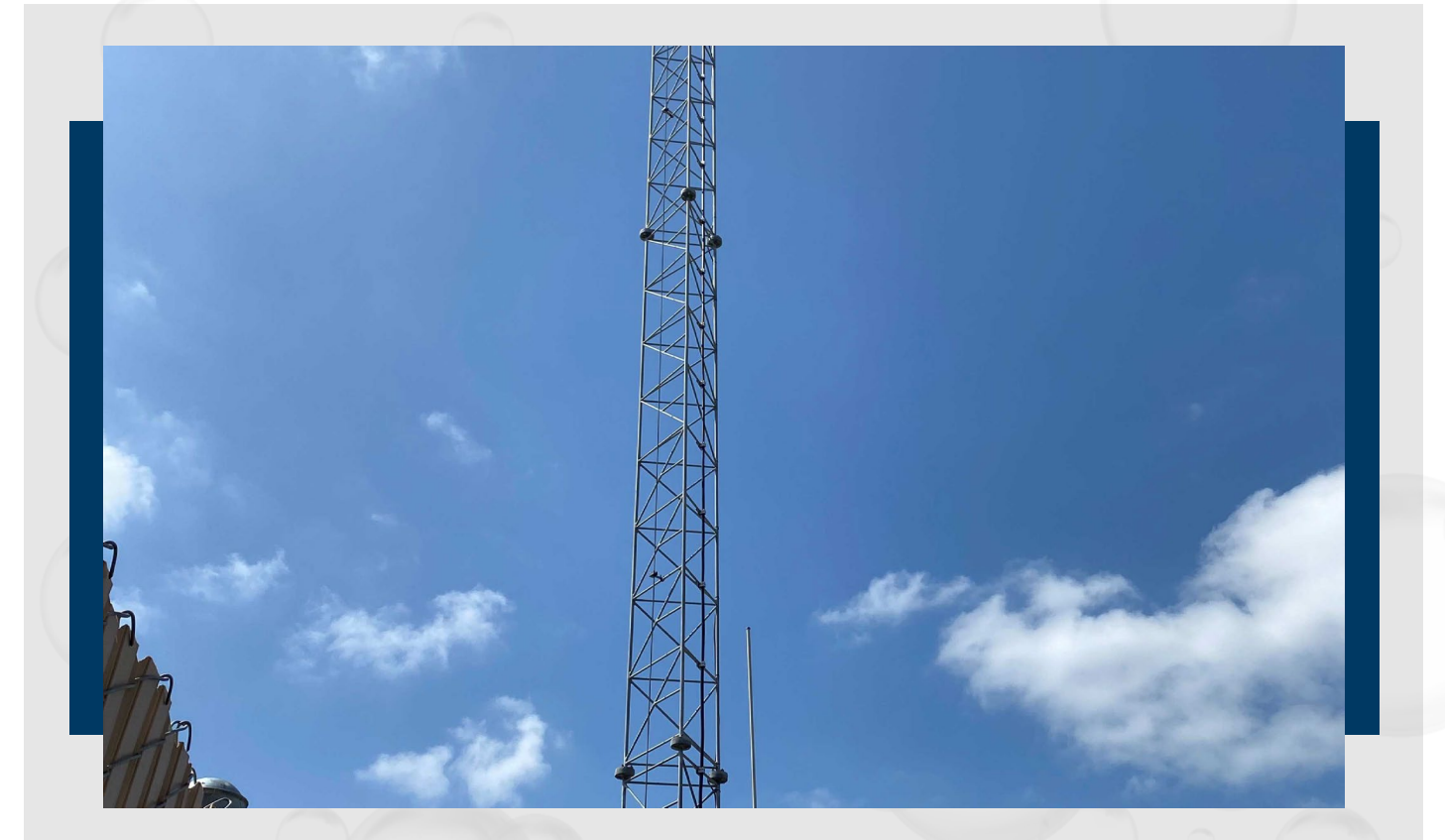
AMI and Static Meter Replacement Feasibility Study



AMI AND STATIC METER REPLACEMENT FEASIBILITY STUDY

Study Elements:

- AMI needs assessment;
- AMI impact assessment;
- Static meter evaluation;
- Meter reading alternatives;
- Cost-benefit analysis of alternatives; and
- High-level roadmap for implementation.



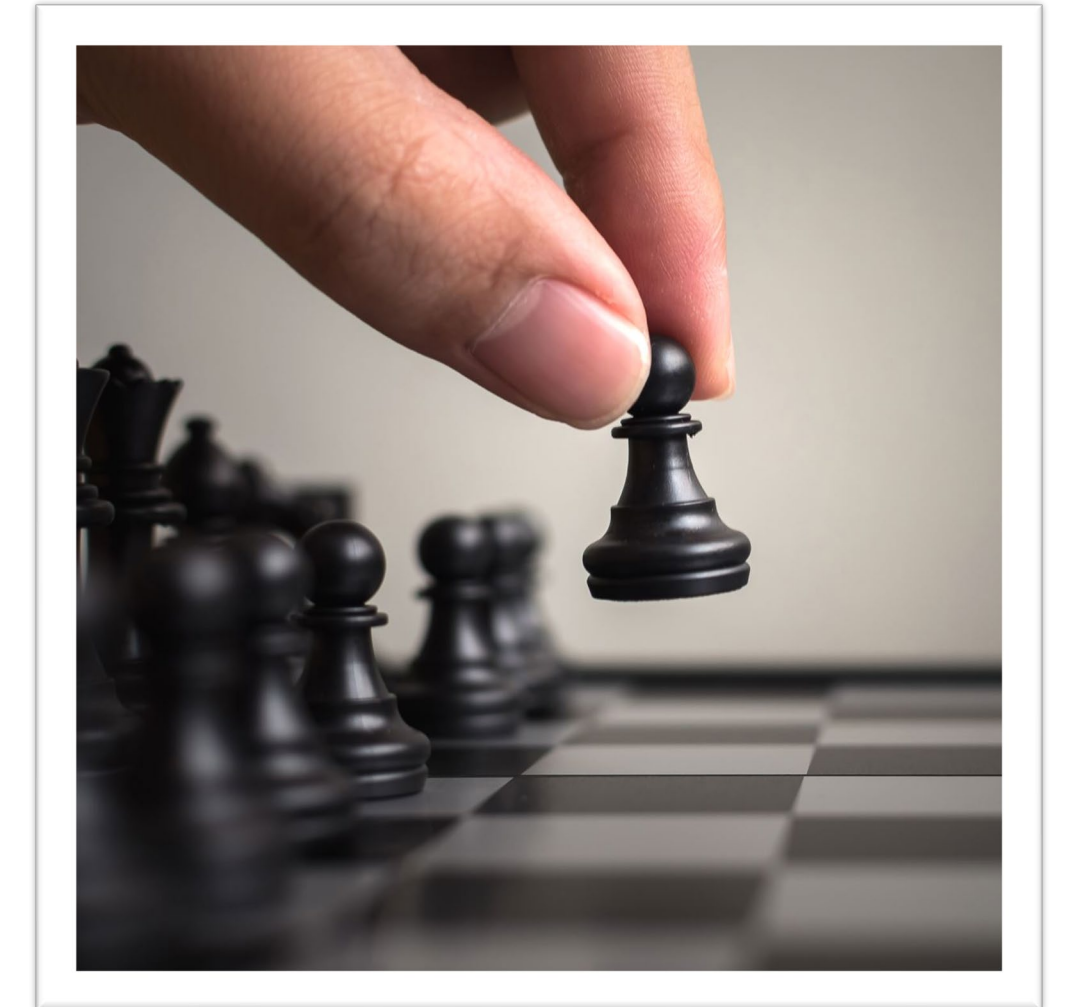
IRWD METER READING SYSTEM OBJECTIVES

1. Water use measurement accuracy.
2. Revenue generation based on actual water use and cost of service.
3. Maintaining meter performance.
4. Meter reading reliability.
5. Actionable information for customer water use.
6. Long-term sustainability.
7. Compatibility with IRWD's billing system.
8. Cost-effectiveness.



HOW MIGHT AMI ALIGN WITH IRWD'S TARGET ACTIVITIES?

- #8. Maximize water use efficiency in the community.
- #9. Maximize watershed protection.
- #10. Evaluate and invest in projects and programs that will enhance future long-term water supply reliability and resiliency to climate change.
- #14. Identify, assess, and implement new technologies, systems, and facilities to improve operating efficiency.
- #16. Collaborate with other agencies and entities through leadership and innovation.
- #17. Enhance customer communications and community outreach.



TYPICAL BENEFITS ASSOCIATED WITH AMI SYSTEMS

- Expedited identification of customer-side leaks.
- Can support identification of distribution system leaks.
- Improved water demand forecasting and hydraulic modeling.
- Carbon footprint reduction:
 - Reduced vehicle usage; and
 - Reduced water usage (embedded energy).
- Increase customer satisfaction from “real-time” data in the customer portal.
- Reduce large meter maintenance requirements.
- Improved allocation of resources:
 - Reduce manual processes; and
 - Increase automated, data-driven workflows.



STUDY CONCLUSIONS

1. AMI will reduce / eliminate need for manual meter reading services.
2. In-house meter reading is the most expensive alternative and offers no additional benefits.
3. IRWD could realize \$53.1 million in avoided costs and increased revenues by changing from mechanical to static meters (Alternative 5).
4. For \$6.5 million less in avoided costs and increased revenues, IRWD could realize all the benefits of AMI and static meters (Alternative 3).
5. IRWD could realize \$46.6 million over 15 years by changing to static meters and implementing AMI (Alternative 3).
6. Alternative 3 would allow IRWD to achieve all meter reading system objectives.
7. Provides multiple other benefits that align with IRWD's Goals and Target Activities.

AMI IMPLEMENTATION PLANNING



AMI IMPLEMENTATION PLAN OVERVIEW

- Task 1 - Detailed Implementation Plan
 - Funding
 - Procurement
 - Data management
 - Change management
 - Customer outreach
 - Deployment
- Task 2 – AMI Procurement
 - AMI RFP
 - RFP administration and evaluation support
 - Contract negotiations (pending Board approval)
- Task 3 – AMI Implementation Project Management and Support
 - TBD based on selected AMI solution



Irvine Ranch
Water District



CHANGE SENTIMENT SURVEY

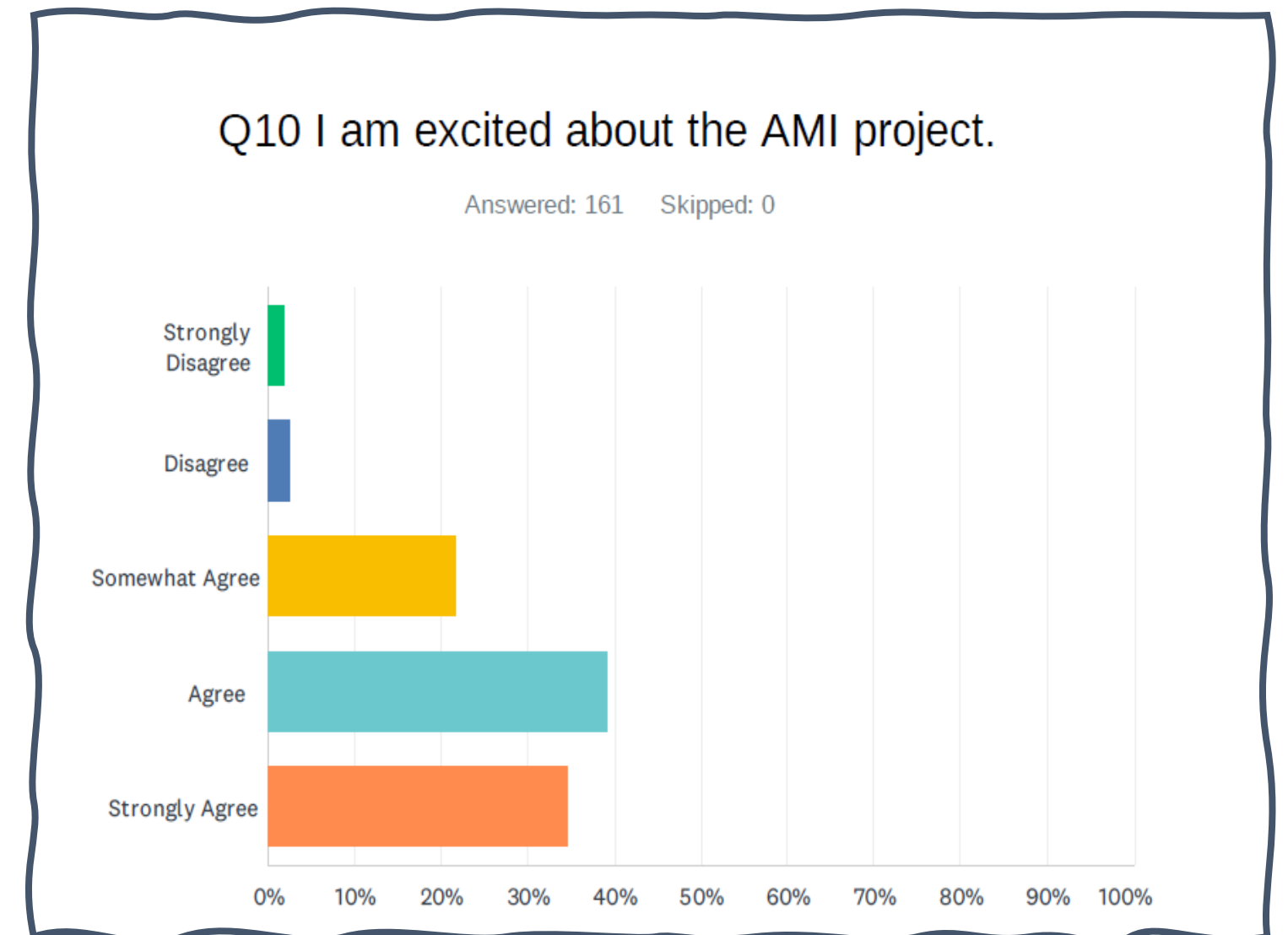
CHANGE SENTIMENT SURVEY

- Conducted to assess employee awareness, perceptions and readiness for AMI implementation
- 161 responses
 - 39% response rate

| ANSWER CHOICES | RESPONSES |
|--------------------------------|------------|
| Administration | 3.73% 6 |
| Communications | 1.86% 3 |
| Customer Service | 14.29% 23 |
| Engineering | 13.66% 22 |
| Finance | 3.11% 5 |
| Human Resources | 4.97% 8 |
| Information Technology | 8.70% 14 |
| Operations - Field | 21.12% 34 |
| Operations - Water & Recycling | 7.45% 12 |
| Purchasing | 1.86% 3 |
| Recycled Water | 0.62% 1 |
| Regulatory Compliance | 3.73% 6 |
| Water Efficiency | 4.35% 7 |
| Water Resources | 6.21% 10 |
| Water Quality | 4.35% 7 |
| TOTAL | 161 |

CHANGE SENTIMENT QUESTIONS

- Understand
 - How AMI aligns with District strategic vision.
 - Benefits to customers.
 - How AMI will enhance my work.
- Anticipate
 - Being able to fulfill current duties and support this change.
 - Any challenges in adapting AMI to your role.
- Gauge overall enthusiasm

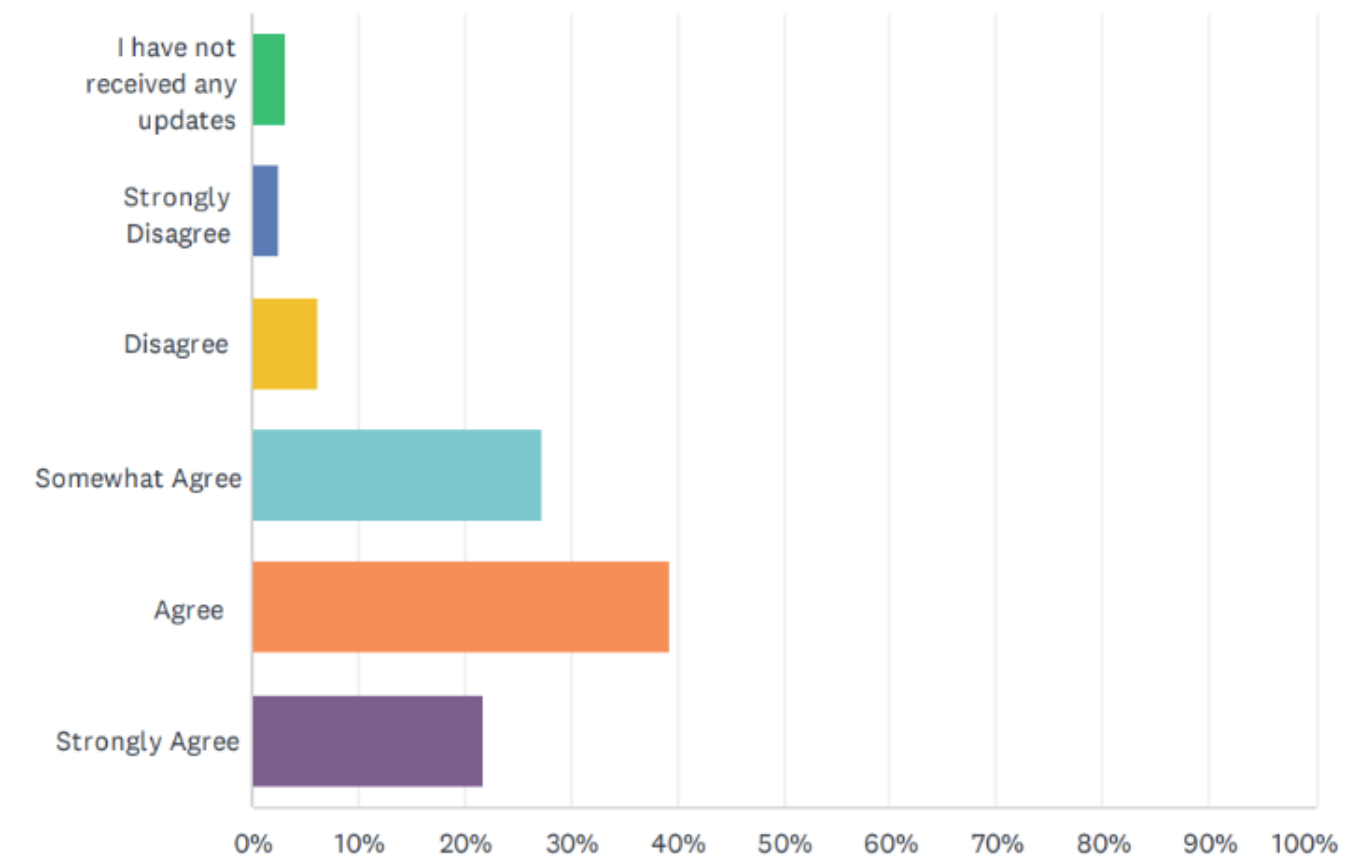


COMMUNICATION AND TRAINING QUESTIONS

- Preferred training methods
- Assessed the effectiveness of previous project communication efforts
- Identified preferred communication channels
 - Intranet
 - Employee newsletter
 - Team meetings
 - All hands meetings

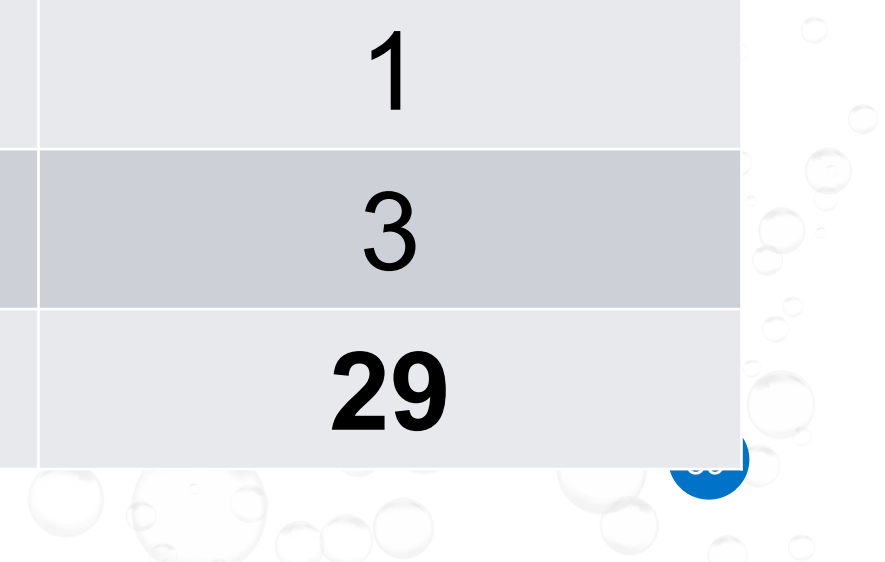
Q13 I feel like I am well informed from updates provided on the organization's progress of AMI.

Answered: 161 Skipped: 0



UNIQUE RESPONSES

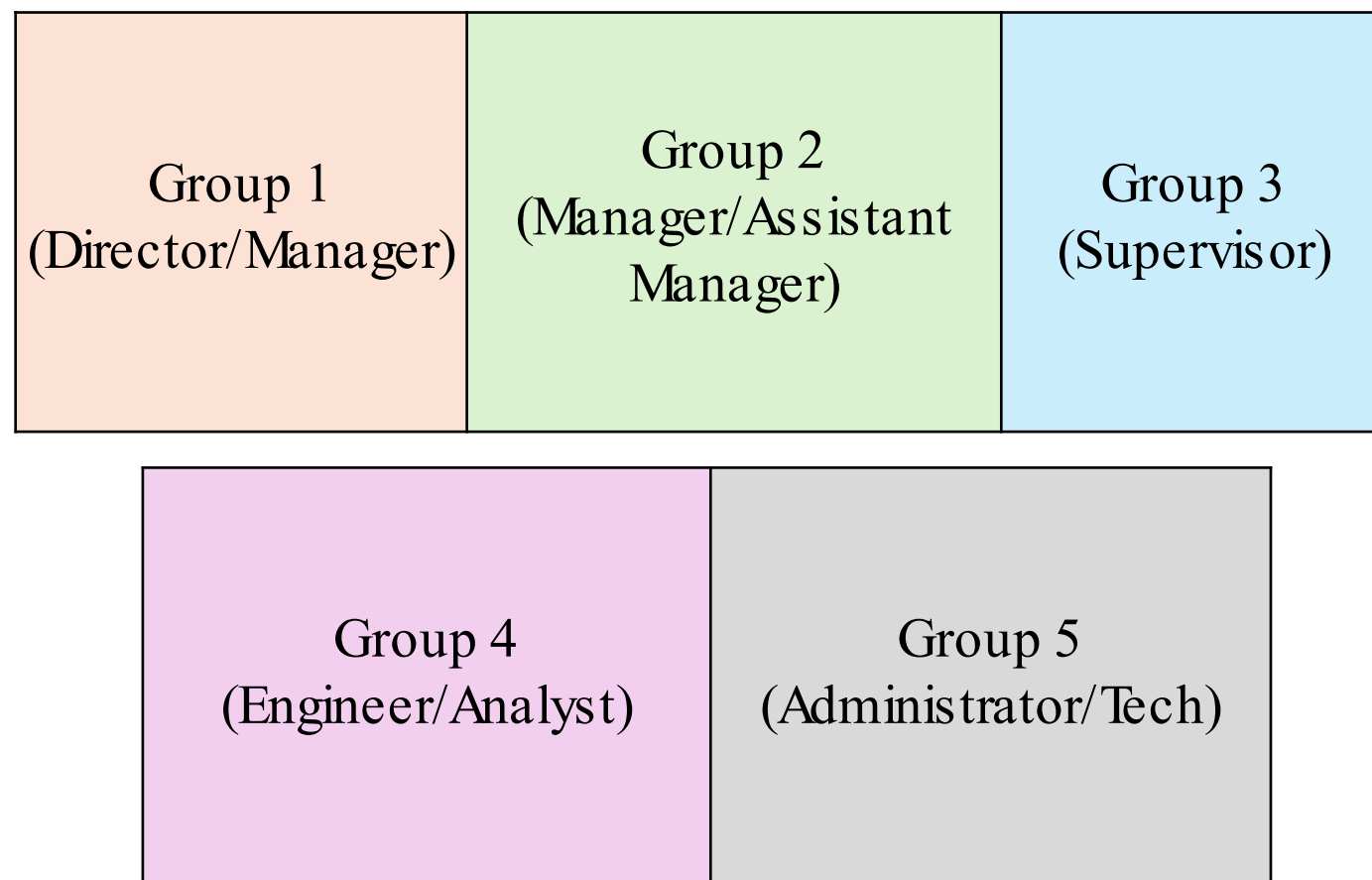
| Type of Comment | No. Comments | If "yes", please specify challenges: | Please provide any additional items that would help you feel more prepared for the AMI implementation not listed above. | Do you have any additional comments, suggestions, or questions about IRWD's AMI project? |
|-----------------|--------------|--------------------------------------|---|--|
| Other | 12 | 2 | 4 | 6 |
| Communication | 18 | 2 | 8 | 8 |
| Implementation | 15 | 7 | 5 | 3 |
| Training | 15 | 7 | 4 | 4 |
| Data | 13 | 3 | 6 | 4 |
| Role Changes | 5 | 2 | 2 | 1 |
| Equipment | 6 | 1 | 2 | 3 |
| Total | 84 | 24 | 31 | 29 |



CHANGE SENTIMENT INTERVIEWS

Provided detail on business processes of the departments that will be more involved.

- Five groups of 4-6 staff
- Multiple departments
- Completed in January



AMI PROCUREMENT



SPECIAL PREVAILING WAGE

- Department of Industrial Relations Special Prevailing Wage Determination for Metering Technician
- Submitted request Feb. 17
- Response received March 12



UNION REVIEW OF RFP

- Assembly Bill 339
- Requires union review
 - Contracted services that may be within the scope of work of represented job classifications
- 45 review period
 - Submitted letter Feb. 18
 - 45-day deadline: April 4
- RFP issued April 6



AMI SYSTEM PERFORMANCE REQUIREMENTS

- Billing read success per meter of 99% within a continuous 72 hour period.
- Interval read success of 95% of all hourly readings within a continuous 72 hour period.
- Meet a 2:1 redundancy, or two (2) collectors per endpoint for 98% of the endpoints.
 - If not applicable, must describe resiliency against potential disruptions or failures.
- Propagation study and network design for both Initial and Full Deployment
 - Summary of the propagation study results or cellular coverage analysis required with proposal.
 - Non-disclosure Agreement included in RFP
 - IRWD owned locations
 - Potential for infrastructure sharing with others – per CPUC rule R.13-12-011.

PROPOSER QUESTIONNAIRE

- Replaceable batteries across all static meter sizes.
- Smart city platforms or data-sharing initiatives currently supported by the proposed solution.
- Smart city capabilities on product roadmap.
- Equity considerations to support disadvantaged and/or vulnerable communities.
- Outreach approach to ensure engagement with underserved communities, including bilingual & billing support.
- Tools to help track ongoing water savings, meter performance, and customer leak trends after implementation.
- System functionality during extreme events (wildfire, heat events, power outages), and backup or alternative power options.
- Project approach's carbon footprint or energy use reduction over time.
- Interoperability with third party devices such as meters, leak detection equipment, and other instrumentation. (open architecture, facilitate common software interfaces, and allow the District to have a choice of meters and other devices without restriction of data content)

SYSTEM REQUIREMENTS

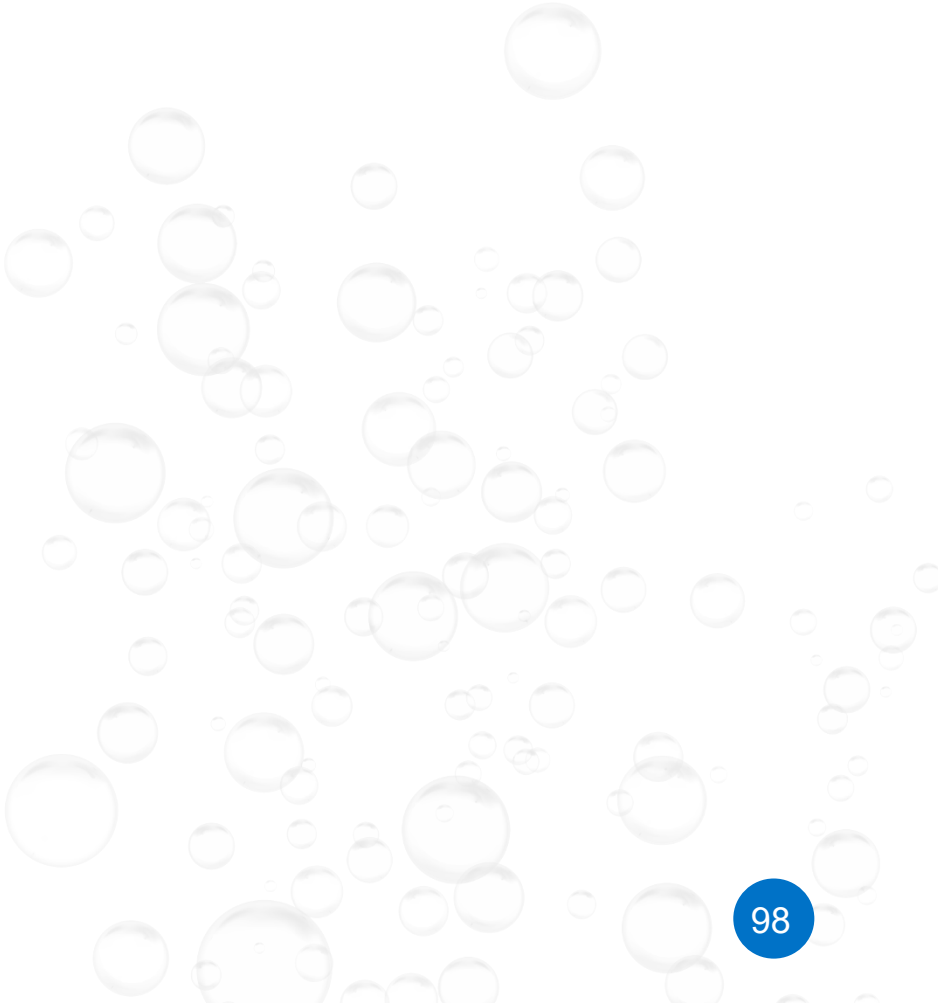
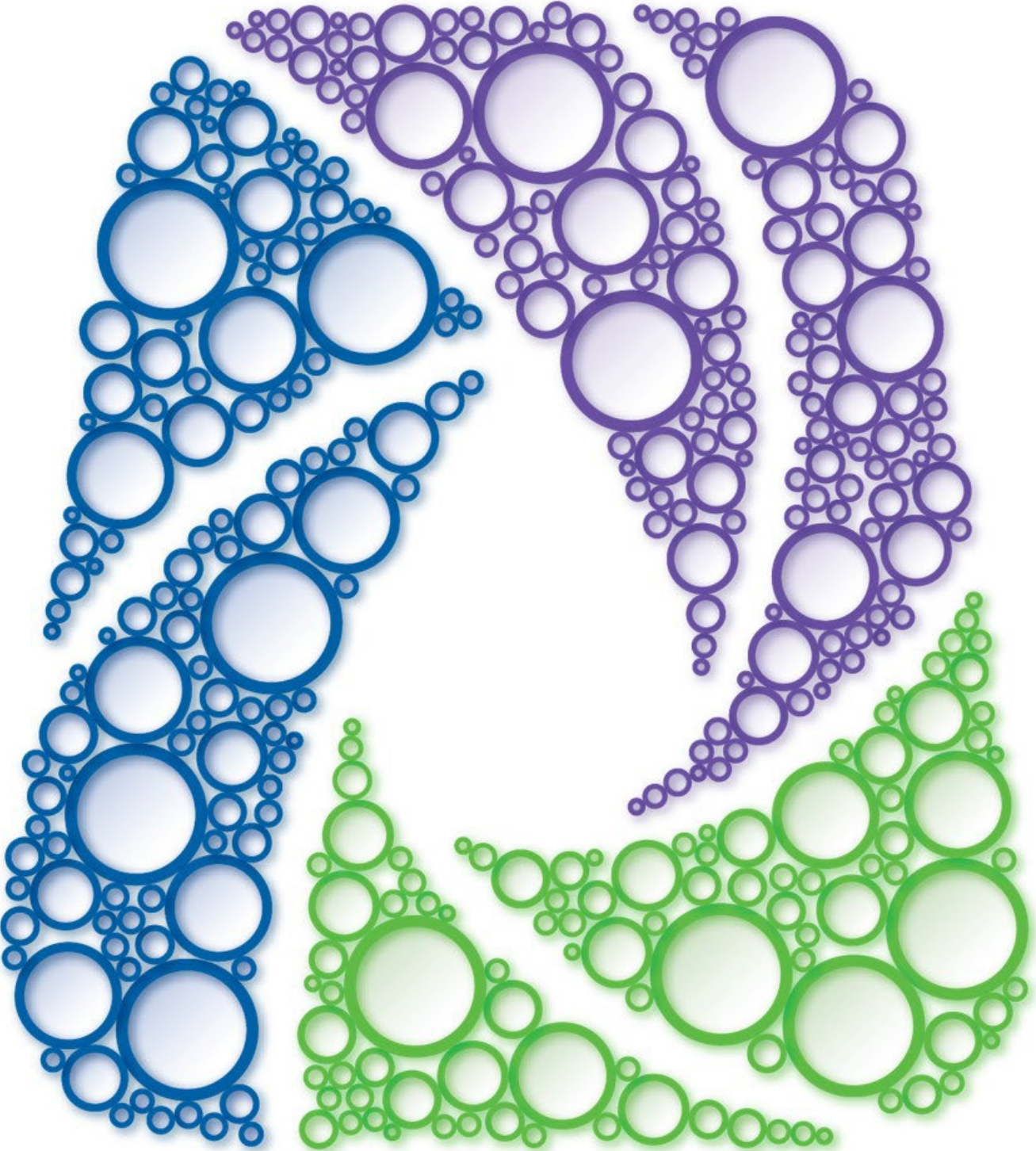
Requirements (Qty)

1. Water Meters (43)
2. Meter Box Lids (10)
3. AMI Endpoints (31)
4. Data Collection System (27)
5. Portable Devices (16)
6. AMI Software (87)
7. System Integration (13)
8. Implementation Services (26)
9. Field Installation Services (43)

PROPOSAL SCORING

| Criteria | Weight | |
|--|--------|--------------------|
| Vendor Qualifications and Experience | 15% | Subjective Scoring |
| Project Approach and Capacity | 20% | |
| Project Team Organization and Staffing | 15% | |
| System Capabilities and Ability to Meet Requirements | 30% | Objective Scoring |
| Pricing Proposal | 20% | |

QUESTIONS?



Peer to Peer 1

Connect. Collaborate. Grow. 



Moderator:
Danielle McPherson
Bay Area Water Supply &
Conservation Agency



Joan Hughes
Alliance for Water Efficiency



Lauren Benefield
South Tahoe Public Utility
District



Geneva Gondak
East Bay Municipal Utility
District



Amy McNulty
Irvine Ranch Water District

Peer to Peer 1

Connect. Collaborate. Grow.

COMING UP NEXT:

Flushing out the Facts | 3:30 PM - 4:45 PM
| Grand Ballroom

Turf Removal Direct Install Program | 3:30 PM - 4:45 PM
| Napa Valley Ballroom