

Welcome

Grab some food and chat with a neighbor! We will begin at 5:45pm

Project 2030 Overview

Customer Advisory Committee

February 5, 2025

Agenda

Time	Topic	Lead
5:45	Call to Order, Welcome and Pledge	Andrew Johnson, CAC Chair
	Public Comment	Andrew Johnson, CAC Chair
	Agenda Review and Intros	Jennifer Liebermann, Facilitator
6:10	Project 2030 Overview	Missy Pieri, Director of Engineering
	Water System Master Plan	Ali Shafaq, Associate Civil Engineer
	Condition Assessment	Todd Jordan, Principal Civil Engineer
	Q&A with CHWD Staff	CHWD Staff
	Input on Project 2030 Campaign	Jennifer Liebermann, Facilitator
	Public Comment	Andrew Johnson, CAC Chair
	Takeaways	Jennifer Liebermann, Facilitator
7:45	Adjourn	

Meeting Purpose

- CAC members have a **high-level** understanding of Project 2030 and its workflows, focusing on the approach to **condition assessment** and why it matters.
- CAC **provides feedback** on Project 2030 messaging.

Introductions

- Your Name
- For original CAC Members:
What's one thing you hope to learn tonight about Project 2030?



Project 2030

The Big Picture

Missy Pieri, Director of Engineering

Project 2030 – Key Programs/Workflows



Water System Master Plan (update)



Staffing Projections Updates



Funding Plan



Water Main Replacement



Pipeline Condition Assessment – Transmission & Distribution Mains



Corporation Yard Planning, Design, & Construction



Key Water Main Replacement Predesign Alternatives Analysis



Pavement Restoration Requirements



Public Affairs

Customer Advisory Committee

Water System Master Plan

Ali Shafaq, Associate Civil Engineer, Project Manager

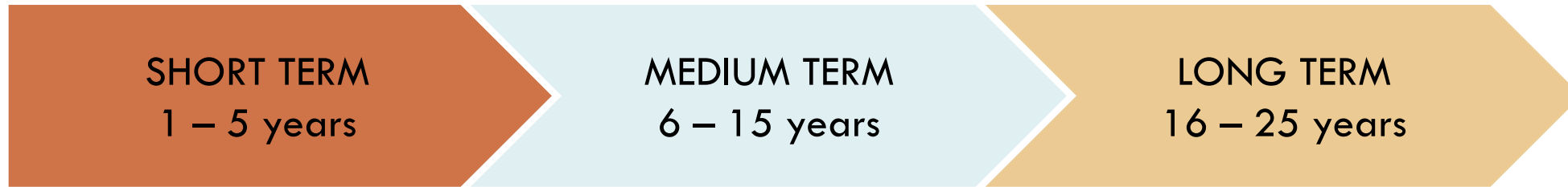


AGENDA

- What is a Water System Master Plan?
- Why Update CHWD's Water System Master Plan?
- Water System Master Plan
- Next Steps

WATER SYSTEM MASTER PLAN

- A road map consisting of a series of programs to undertake in:

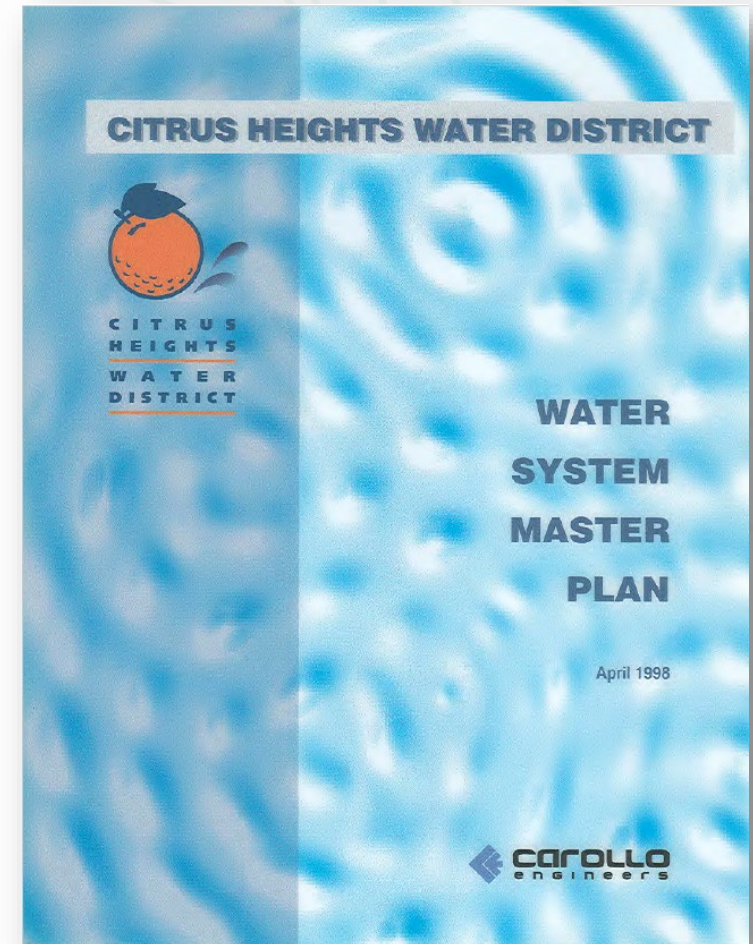


- A successful water system master plan road map will include:

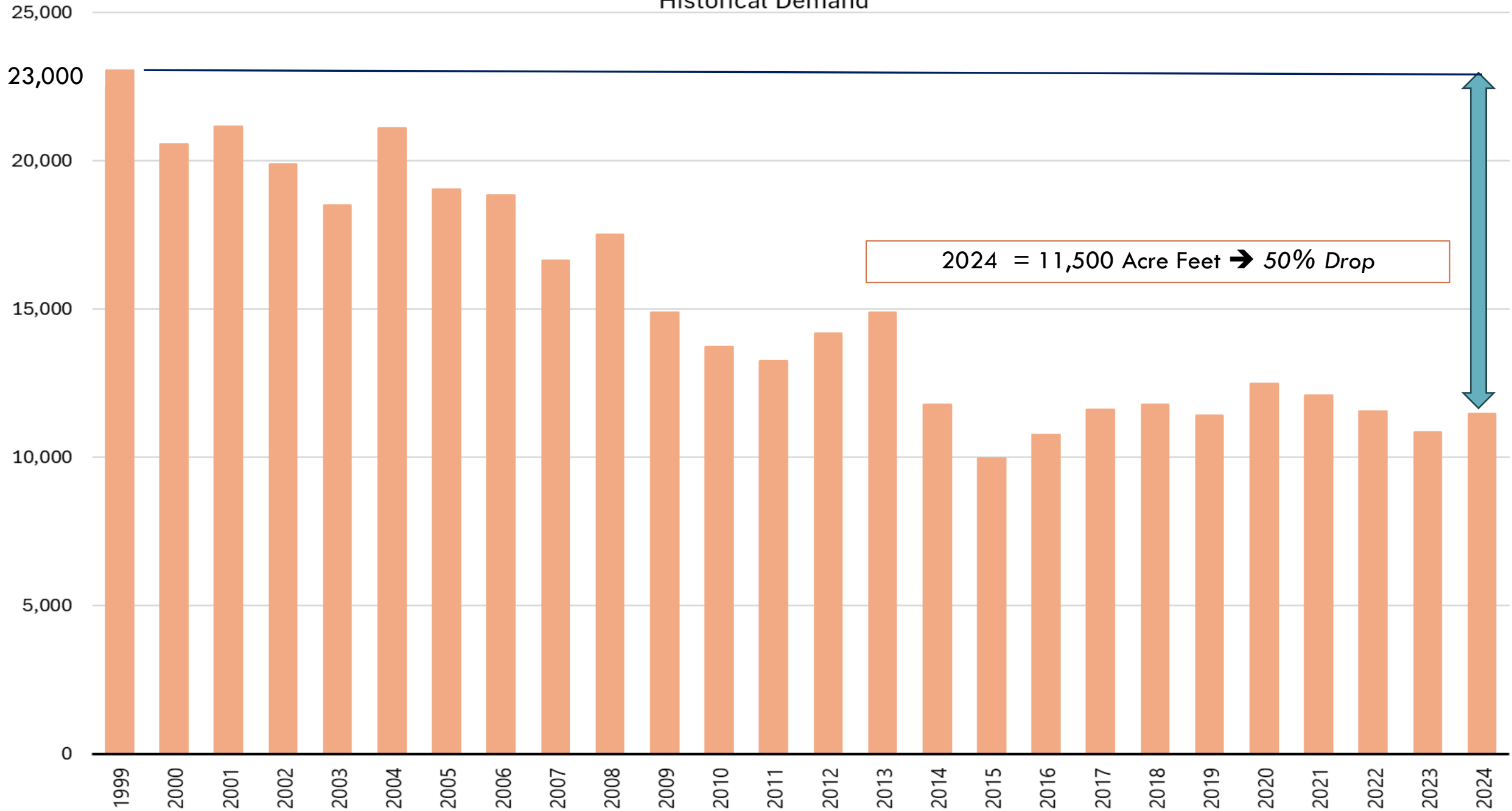
- Identification of technical elements – *“What to do”*
- Implementation plan schedules – *“When to do it”*
- Financial Planning – *“How to pay for it”*

It is *Time* to Update the Water System Master Plan

- 1998 “Carollo” study
 - At the End of the Planning Period
- Most of the Capital Improvement Projects are Completed
- Water Demand Projections Have Changed
- Implement Project 2030 Study Recommendations



Historical Demand



Water System Master Plan



- Demand Analysis
- Transmission Main Capacity Analysis and replacement Alternatives Evaluation
- Distribution Main Capacity Analysis
- Asset Management Model Refinement



- Review and Evaluate the Impact of Current Anticipated Legislations and Regulations
- Water Supply Resource Capacity and Reliability Evaluation
- System Pressure Management Plan
- **Water Storage Analysis**



- **Water Meter Reading Technology Evaluation**

Next Steps

August 13, 2025

- Water Meter Reading Technologies
- District Water Storage

Early 2026

- Water System Master Plan Results & Recommendations

Meter Reading Technologies

Citrus Heights Water District
 6230 Sylvan Rd Citrus Heights CA 95610
 PO Box 286 Citrus Heights CA 95611-0286

For Billing Inquiries Please Call
 Tel: 916.726.8873
 Fax: 916.726.0345

Monday - Thursday
 8:00 am to 5:30 pm
 Closed Fridays

Visit our web site as www.chwd.org to pay bill on-line.

Account Number:	00000-0000000
Account Name:	Customer Name
Service Address:	6230 Sylvan Rd
Due Date:	01/23/2025
Amount Due	Amount Enclosed

Please include your Account Number on your check
 Make check payable to: Citrus Heights Water District

DETACH AND RETURN THE ABOVE REMITTANCE PORTION OF THE BILL WITH YOUR PAYMENT IN THE RETURN ENVELOPE PROVIDED

Citrus Heights Water District
 6230 Sylvan Rd Citrus Heights CA 95610
 PO Box 286 Citrus Heights CA 95611-0286

For Billing Inquiries Please Call
 Tel: 916.726.8873
 Fax: 916.726.0345

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Visit our web site as www.chwd.org to pay bill on-line.

WATER STATEMENT

Account Number: 00000 - 00000000
 Account Name: Customer Name
 Service Address: 6230 SYLVAN RD
 Statement #: 2222222
 Bill Date: 12/06/2024

Page 1 of 1

Service Type	size	Meter No.	Service Dates	Readings	Usage	Water Charge
				Previous	Current	
Domestic	1"					
Water Charge Detail						
			Rate Effective			

History	Read Date	Total Units	Days	Avg Units/Day	Avg Gal/Day
This Period					
Last Year					

SPECIAL MESSAGE
 One billing unit = 100 cubic feet (ccf) of water (748 gallons)
 Visit CHWD.org for Rebates, AutoPay, Pay by Text, Paperless and more.
 Drought restrictions lifted
 PayPal now available!

SUMMARY OF CHARGES



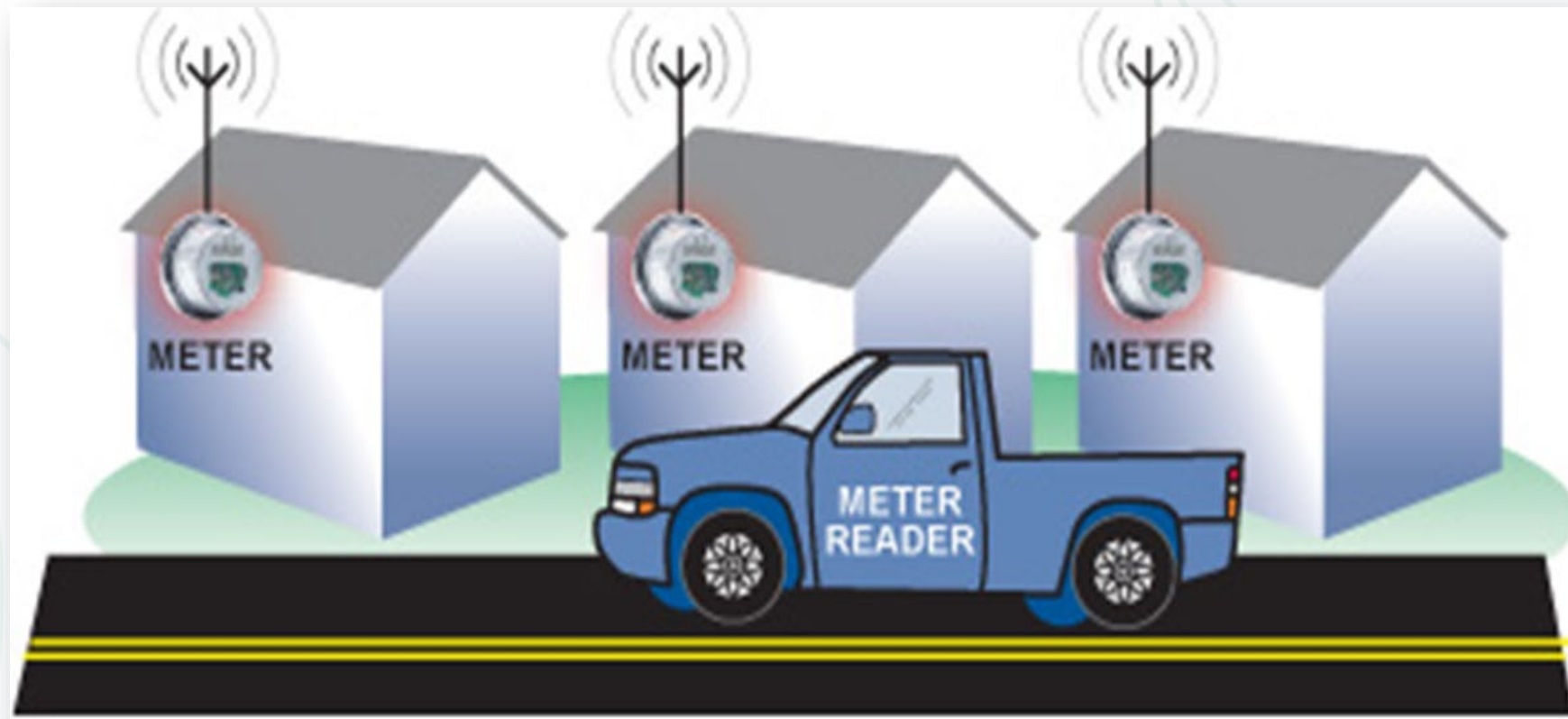
Touch Read

- Majority of District's Water Meters
- Requires Touching the Meter



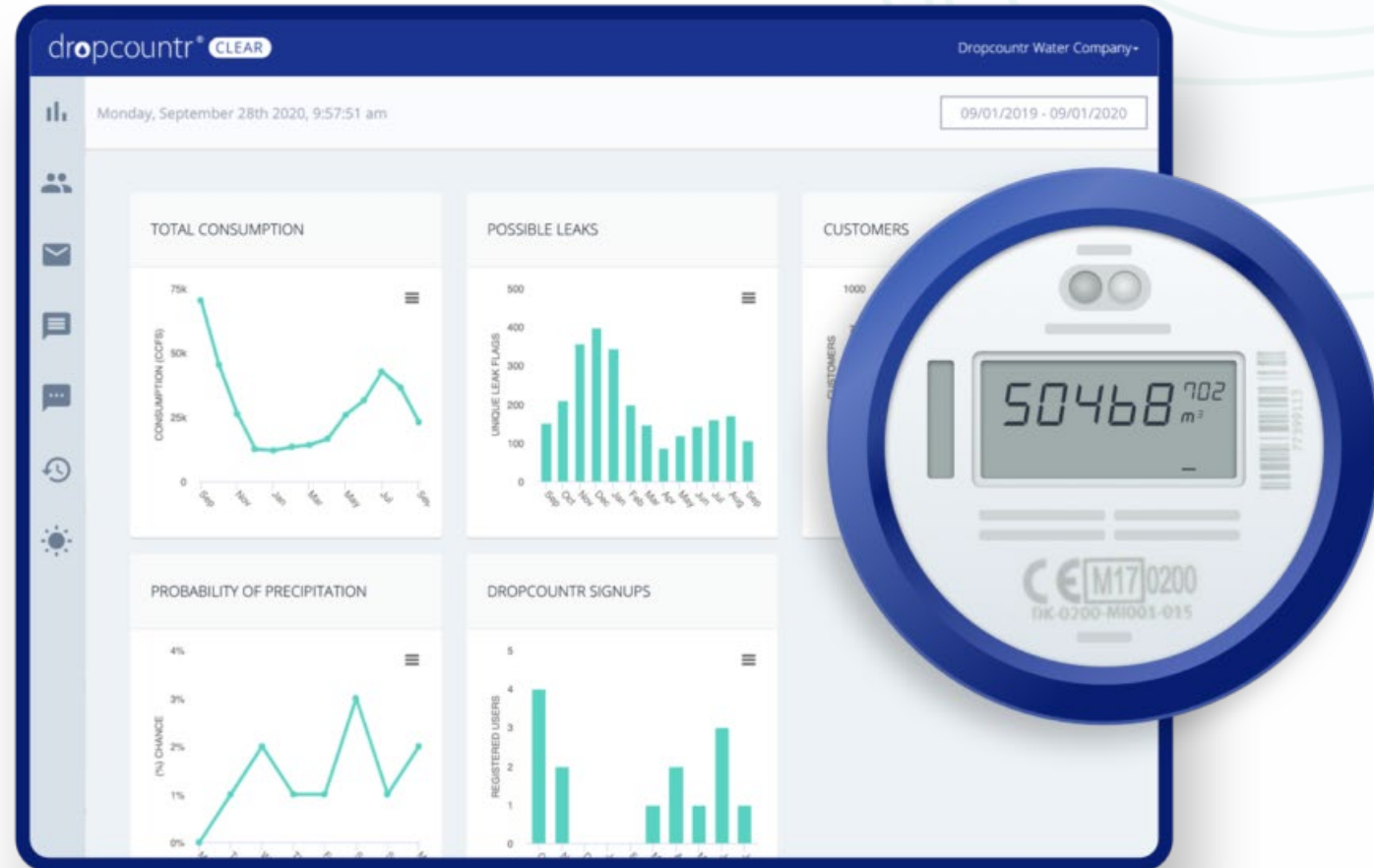
Automatic Meter Reading (AMR)

- A Small Portion of the District's Water Meters
- Improves Efficiency Over Touch Read
- Time Savings



Advanced Metering Infrastructures (AMI)

- Advanced System for Reading Meters Remotely and Automatically
- Real-Time Data and Monitoring



Water Storage

- San Juan Water District Hinkle Reservoir
- Citrus Heights Water District Potential Storage Tanks

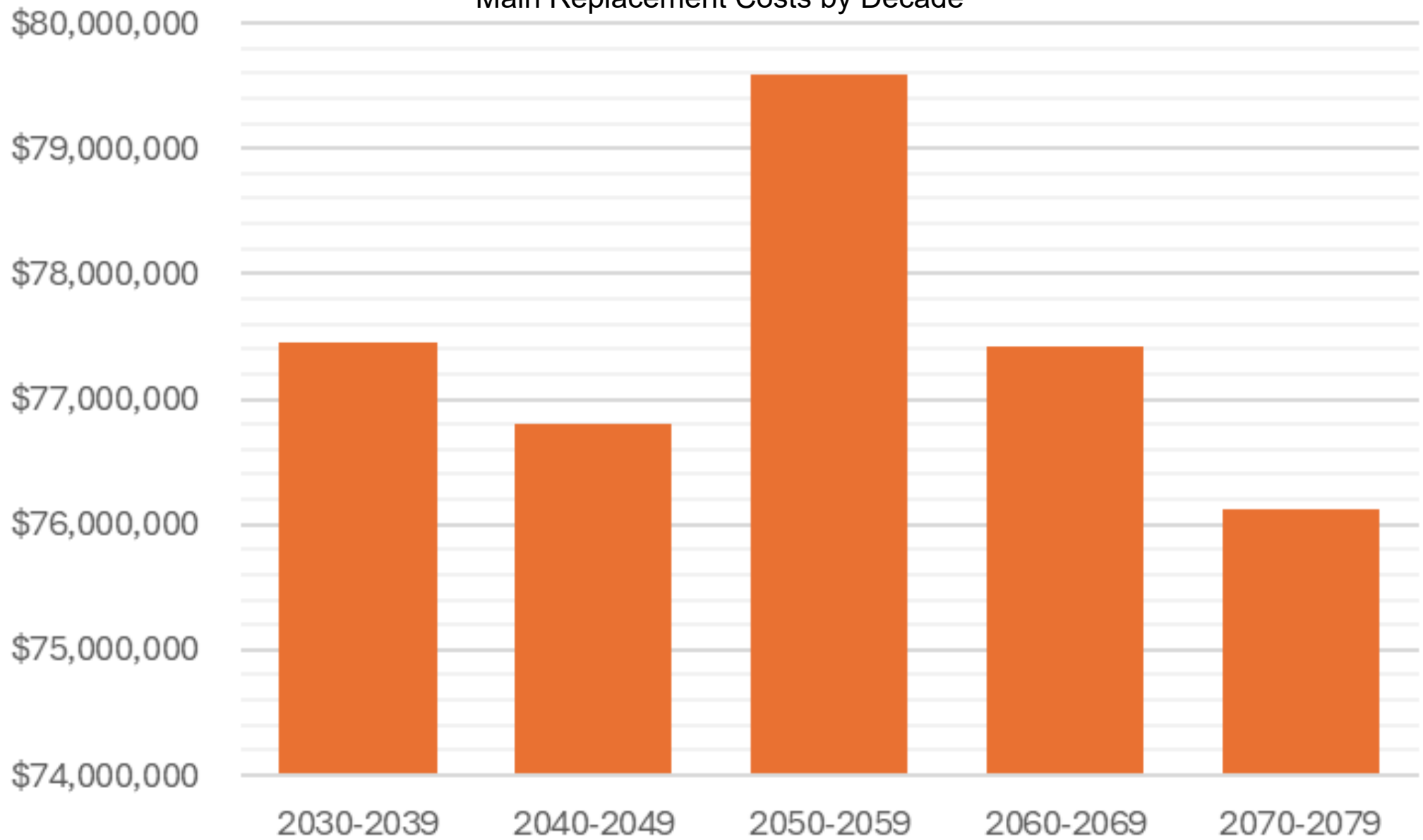


Pipeline Condition Assessment Program

The Quest to Keep the Water Flowing

Todd Jordan, Principal Civil Engineer

Main Replacement Costs by Decade



Total 2030-2079 = \$387,392,500





WATER
OUTAGE

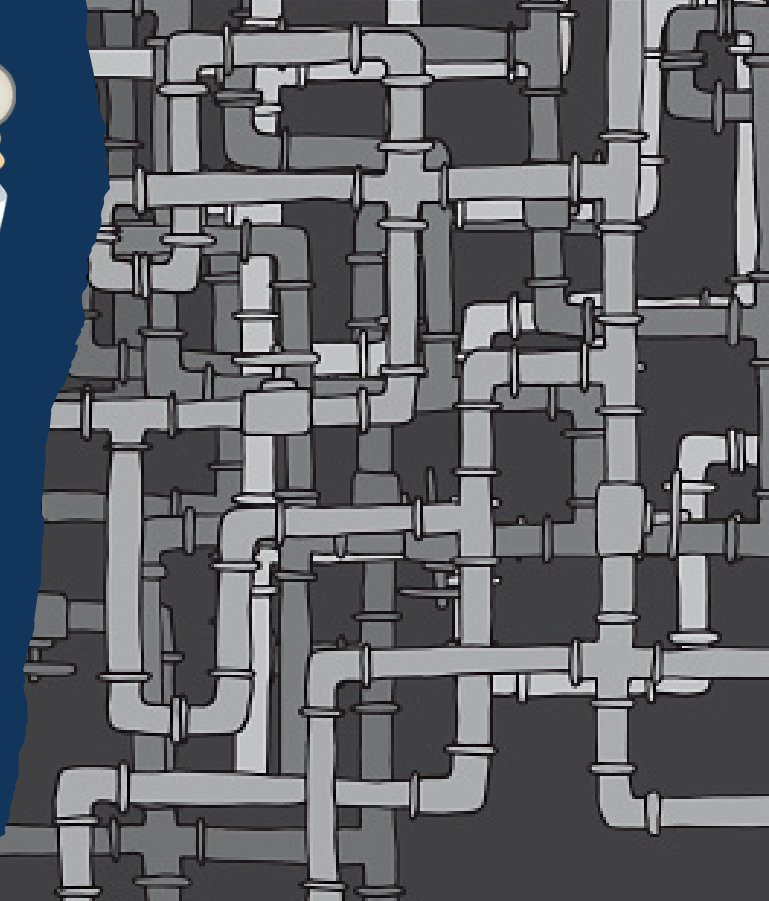


Repairs are Underway



What is Pipeline Condition Assessment

- Pipelines are the invisible veins of our cities, delivering water right to your tap
- Condition assessment is like a doctor's check-up – we figure out how healthy the pipes are



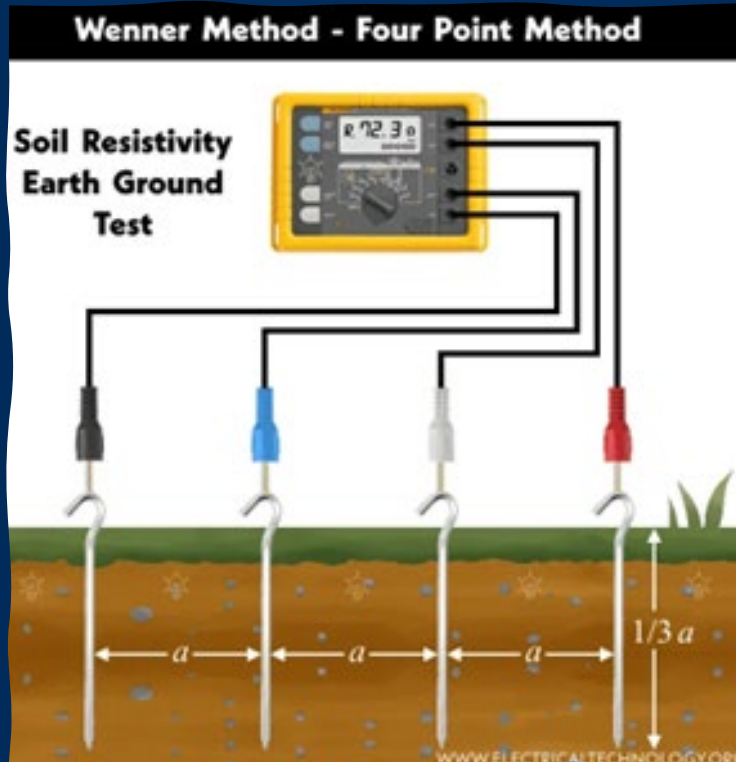
Why Should We Care?

- Aging pipelines can lead to leaks/breaks, or catastrophic failures
- Repairs can be costly
- Preventative maintenance saves money



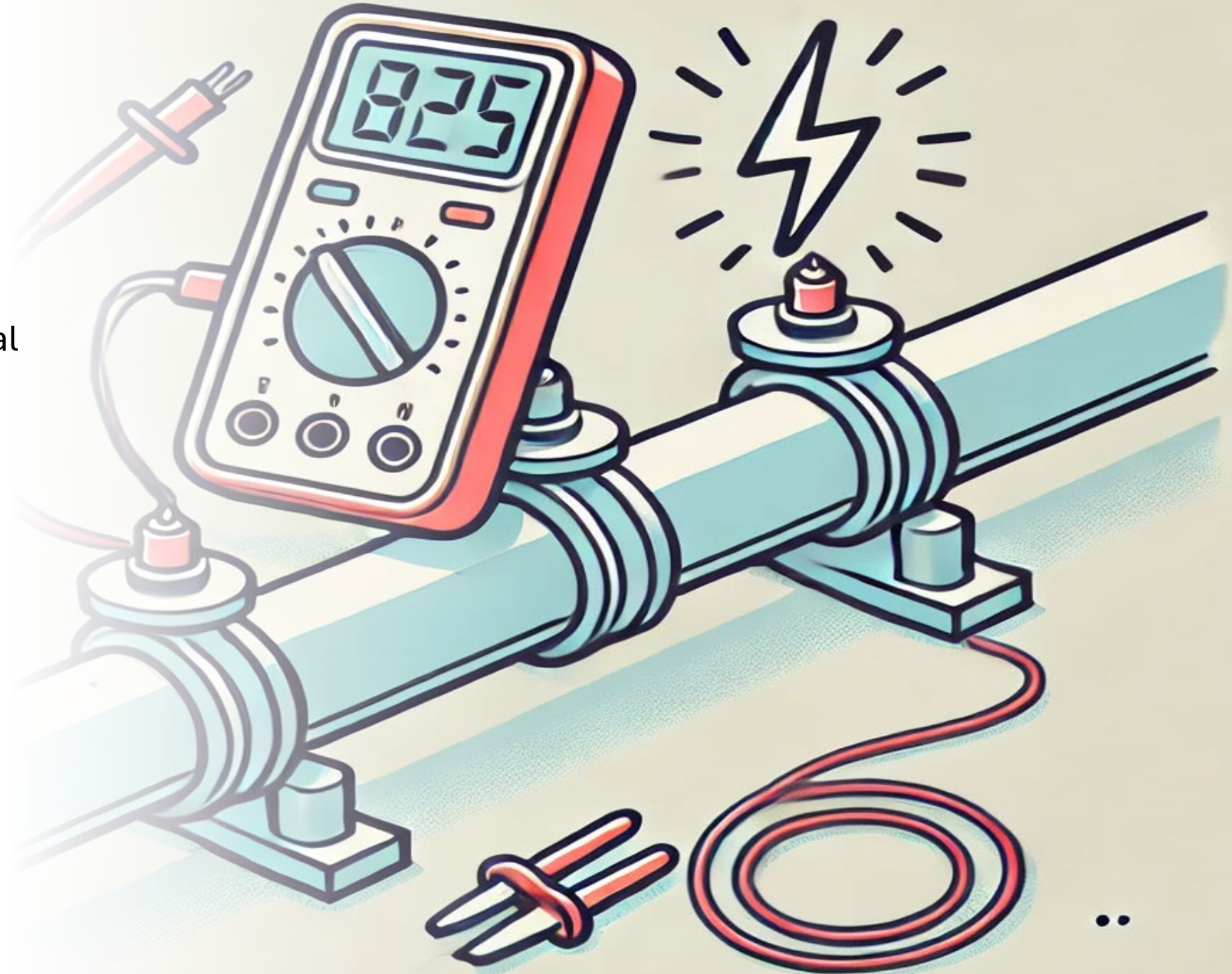
How We've Assessed Pipelines

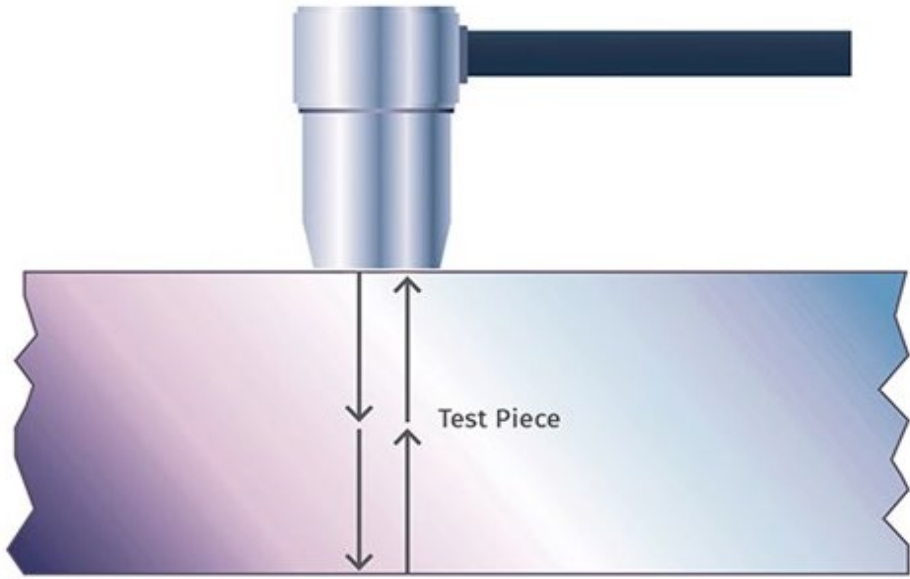
Step 1: Inspect soils



How We've Assessed Pipelines

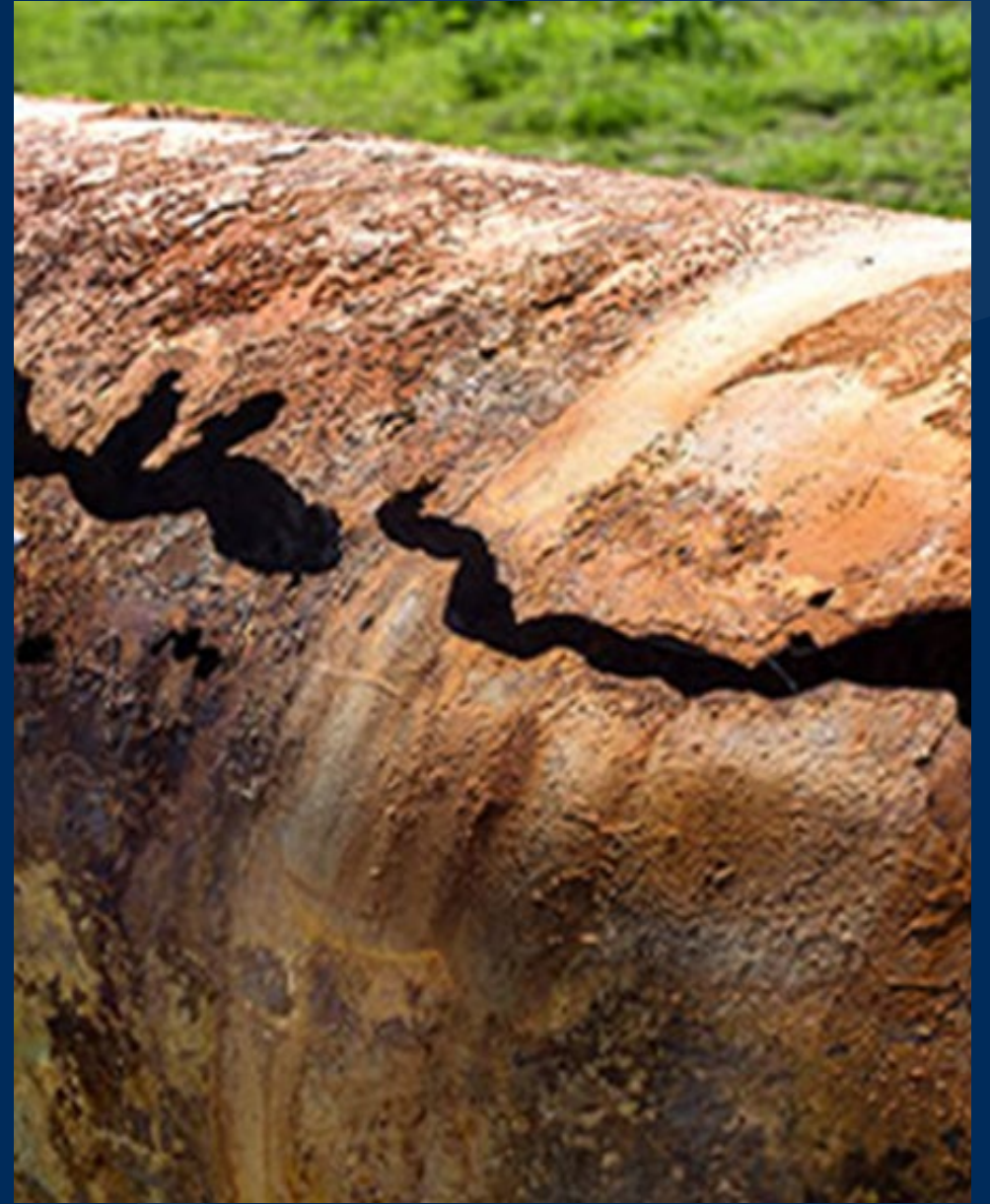
Step 2: Check for electrical continuity





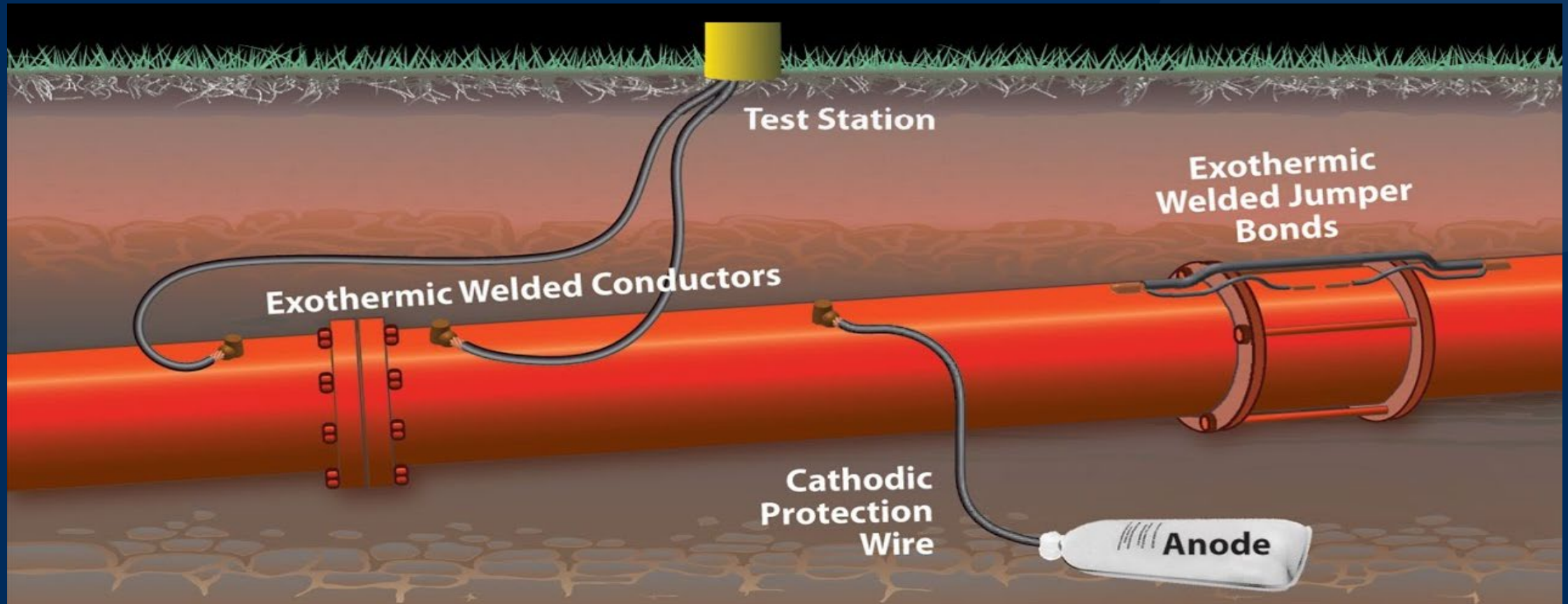
How We've Assessed Pipelines

Step 3: Ultrasonic testing



How We've Assessed Pipelines

Step 4: Look for corrosion



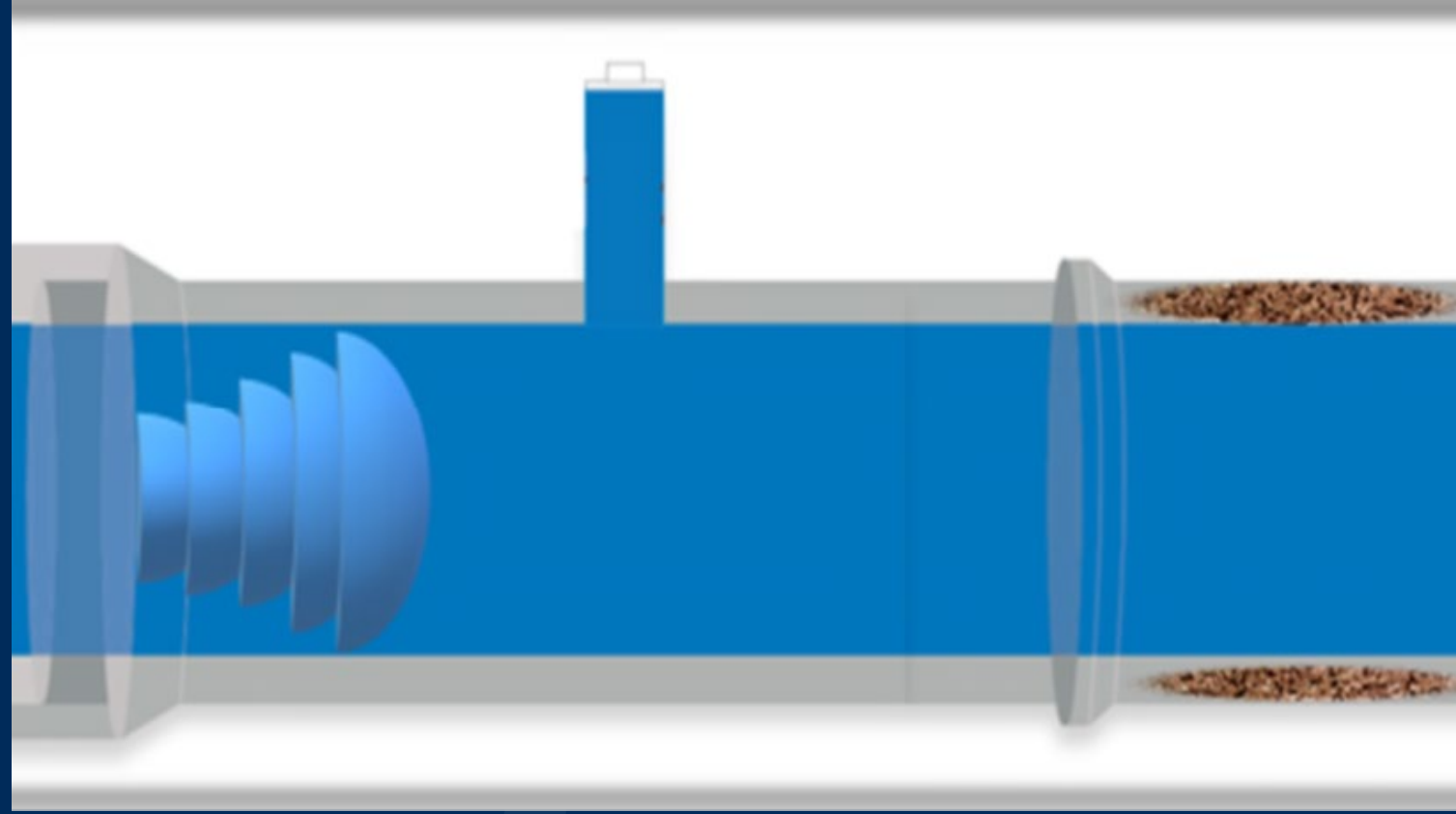
Tools of the Trade

Corrosion Test Stations

Tools of the Trade

Leak Detection Correlators





Tools of the Trade

Acoustic Velocity Testing



Tools of the Trade

Phenolphthalein Staining



Be a Pipeline Hero!



Report leaks, low water pressure, or discoloration



Spread awareness about pipeline health



Thank You!

- Stay curious, stay hydrated!
- Let's keep our pipelines happy and healthy

Small Group Q & A

Find **your** small group assignment led by a CHWD staff person

Group 1: Missy Pieri

- Mike Nishimura
- Suzanne Guthrie
- Nanette Wheeler-Carter
- Eric Lindberg
- City of Citrus Heights
- Sylvan Cemetery

Group 2: Todd Jordan

- Andrew Johnson
- Alan Utzig
- Julia Eunice
- Carla Comiter
- Sacramento Metro Fire
- Auburn Business Association

Group 3 : Ali Shafaq

- Jenna Moser
- Jodi Ash
- Janet Hogan
- Paul Dietrich
- SJUSD
- CH Chamber of Commerce

Group 4: Tamar Dawson

- Richard Moses
- Julie Beyers
- Krissi Miramontes
- Robin Rau
- Sunrise Rec and Park
- Sunrise Marketplace




If you run out of time, write down any unanswered questions and place them on the flip chart

Communicating Project 2030

CAC Feedback
February 2025

We Need Your Input!

Exercise Purpose: To improve communication about Project 2030, we would like your feedback on campaign elements.

 **WHAT DO YOU PREFER?**

Instructions: Circle the item you prefer. There are no right or wrong answers!

01 Campaign Name	02 Campaign Name
Pick one Condition Assessment or Pipe Checkup	Pick one Water System Masterplan or Water System Future or Water System Roadmap

3 Story Version A	3 Story Version B
Pick one The District's service area urbanized mostly between 1960-1985. During that time, water mains were mostly installed by private developers. These water mains became donated assets to the District, which then became CHWD's responsibility to operate, maintain, and replace them.	Pick one The majority of new homes, businesses, and shopping centers in the District were built between 1960 and 1985. Water pipes were usually installed by private builders. The District required builders to donate the water pipes to the District. Since then, they've been CHWD's responsibility to operate, maintain, and replace.

4 How should we inform the community?	
Pick two CHWD Social Media CHWD Newsletter Email Blasts (with permission)	Community events / neighborhood meetings Ambassadors (CAC members) Water Bills

Don't forget to take notes for voting at the end!

1: Campaign Name

A. Condition Assessment

or

B. Pipe Checkup

Vote for one

2: Campaign Name

A. Water System Master Plan

B. Water System Roadmap

C. Water System Future



Vote for one

Vote for one

3: Which do you prefer?

Version A

The District's service area urbanized mostly between 1960-1985.

During that time, water mains were mostly installed by private developers.

These water mains became donated assets to the District, which then became CHWD's responsibility to operate, maintain, and replace them.

Version B

The majority of new homes, businesses, and shopping centers in the District were built between 1960 and 1985.

Water pipes were usually installed by private builders.

The District required builders to donate the water pipes to the District. Since then, they've been CHWD's responsibility to operate, maintain, and replace.

4: How should we inform the community?

- A. On CHWD Social Media (Facebook, Instagram)
- B. Through CHWD Newsletter (mailed to residential customers)
- C. Email blasts (for those that choose to subscribe)
- D. In water bills
- E. At community events/neighborhood meetings
- F. Through “ambassadors” – CAC members (talking to neighbors, posting or commenting on social media or other activity)


Vote for
TWO

Time to vote!

Instructions: Review your note sheet.

Place **1 dot** next to your choice for questions 1 – 3.

Place **2 dots** next to your top two choices for question 4.

 **WHAT DO YOU PREFER?**

Instructions: Circle the item you prefer. There are no right or wrong answers!

01 Campaign Name	02 Campaign Name
Pick one Condition Assessment or Pipe Checkup	Pick one Water System Masterplan or Water System Future or Water System Roadmap
3 Story Version A	3 Story Version B

Pick one

The District's service area urbanized mostly between 1960-1985. During that time, water mains were mostly installed by private developers. These water mains became donated assets to the District, which then became CHWD's responsibility to operate, maintain, and replace them.	The majority of new homes, businesses, and shopping centers in the District were built between 1960 and 1985. Water pipes were usually installed by private builders. The District required builders to donate the water pipes to the District. Since then, they've been CHWD's responsibility to operate, maintain, and replace.
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4 How should we inform the community?

Pick two

CHWD Social Media	Community events / neighborhood meetings
CHWD Newsletter	Ambassadors (CAC members)
Email Blasts (with permission)	Water Bills

CAC 2025 Meetings

DATE	TOPIC	LOCATION
Wednesday February 5, 2025	Condition Assessment: Planning for Project 2030	Community Center
Wednesday April 9, 2025	Water Quality & Taste Testing	Well site
Wednesday May 7, 2025	Strategic Planning Session - NOT A CAC MEETING	Community Center
Wednesday June 4, 2025	Regional Water Issues and Opportunities	Community Center
Wednesday August 13, 2025	Project 2030 Workshop: Water System Master Plan	Community Center
Wednesday October 8, 2025	Budget Roadshow Kickoff	Community Center
Wednesday December 10, 2025	Exercising Your Civic Engagement	Community Center

Can't make it to a meeting? Please email cac1@chwd.org

Public Comment

Takeaways

Briefly share **one** takeaway from this meeting with us – an insight, a learning, etc.