



Quarterly Presentation to Council

October 23, 2023

Gilbert Trejo, P.E., CFM
Vice President



Today's topics

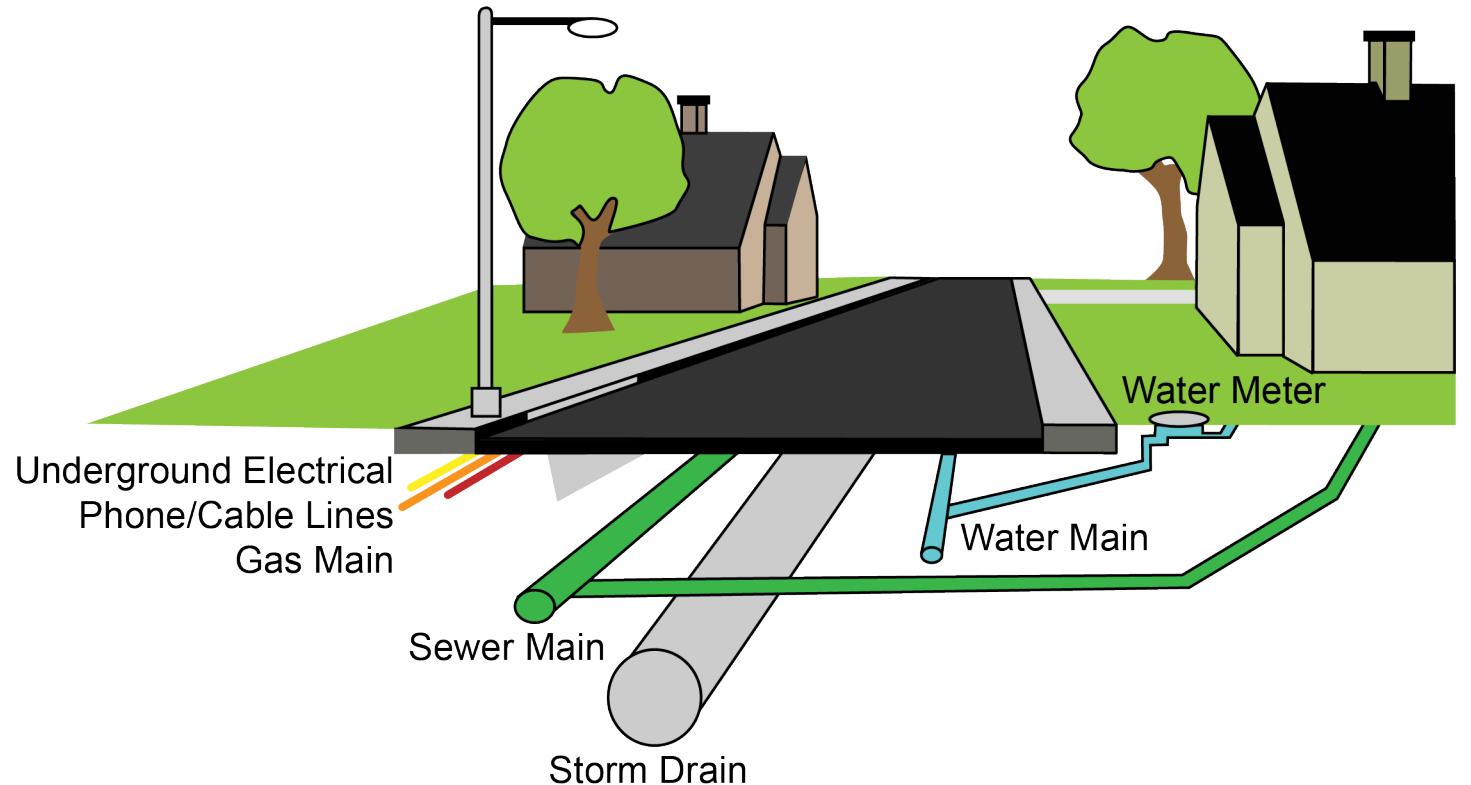
1. Progress on paving repairs
2. District construction update
3. Wastewater focus
4. Monsoon season update
5. Brief water resources outlook
6. Prop 6 awareness campaign (Texas Water Fund)
7. Fighting fraudulent "water notices"
8. Support for Montana Vista bonds and DEAG resolution



Paving project progress

Paving repairs on extended timeline

- Backlog of over 300 paving requests
 - All work citywide fell onto only one contractor
- Other utilities in ROW often slows the process
- Issues tracking paving permit applications within City systems
- Supply chains problems and access to qualified labor continues to be a problem for contractors



Improved processes will speed repairs



EPWater has taken several steps to improve results

- Increased pool of paving contractors to reduce paving wait times
 - EPWater has gone from one contractor to three
- Shifted paving projects to dedicated utility team
- Collaborated with City staff to improve paving permit process

A full report on improvements and collaboration with City staff will be coming to council soon



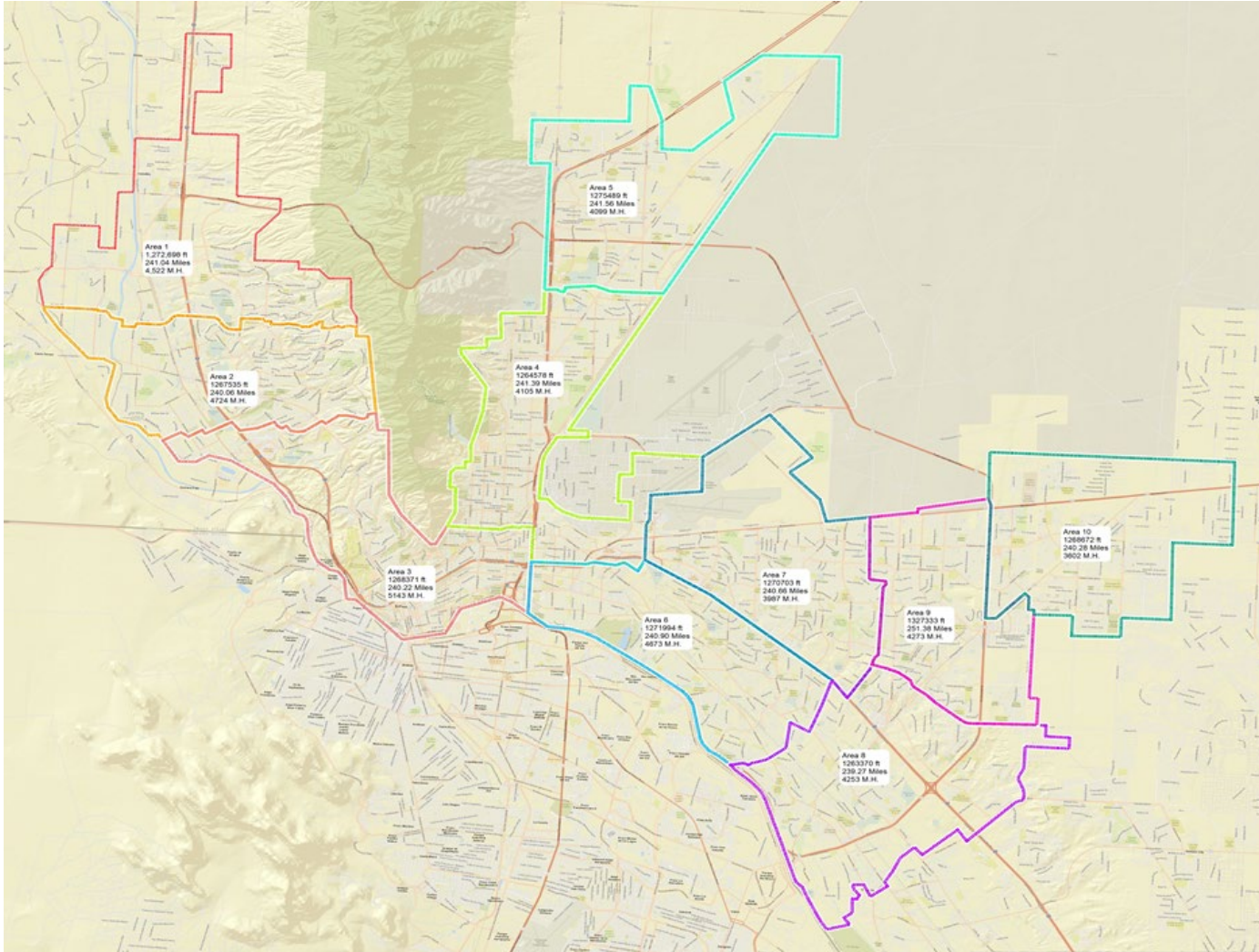
Wastewater system focus

Wastewater system improvements

Improvements to the wastewater system will be a key budget driver in coming years as the utility focuses on rehabilitating and replacing the aging parts of the system.

- Many lines in **older parts of the city** have reached the end of their useful life
- Treatment plants are **nearing capacity limits**
- **Rapid population growth drives the need** for plant rehabilitation and expansion
 - Especially in fast growing areas such as East El Paso and Northeast El Paso.

The wastewater system by the numbers



Sewer mains: **2432 miles**

Main segments: **45,570**

Manholes: **43,502**

Pressurized sewer mains: **62.72 miles**

Wastewater System Priorities

Major projects for current and upcoming fiscal years include:

- Expansion of Bustamante WWTP
- Rehab & replacement programs
 - wastewater lines
 - lift stations
 - manholes
- Wastewater line condition assessment



Capacity Management Program – citywide assessment

- Increased Line & Manhole Maintenance & Assessment Goals
 - Increase Line cleaning – 10% more per year
 - Increase Televising – 10% more per year
 - Increase Line condition assessment – 10% more per year
 - Increase Manhole inspections
 - Increase Manhole Lining Rehabilitation
 - Implement Standard Operating Procedures
- Asset Management/Capital Improvement Program
- Develop CMOM section

Our collection system is old, needs improvements

Much of the system was installed during post-war city growth

- **41%** of existing mains are 40 years old or older
 - **38%** installed between 1940 and 1980

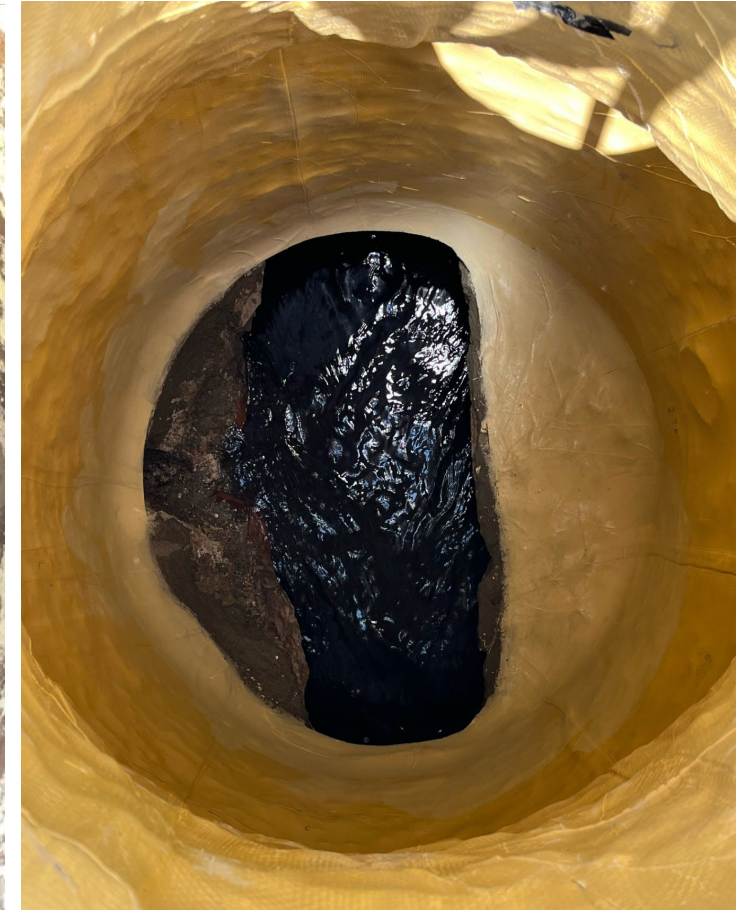
SEWER MAINS BY AGE					
AGE	MAINS SEGMENTS	TOTAL FT.	TOTAL MI.	%	CUMULATIVE %
< 1910	437	112012	21.21	0.87%	0.87%
1910 / 1920	375	109888	20.81	0.86%	1.73%
1920 / 1930	399	115356	21.85	0.90%	2.63%
1930 / 1940	403	120070	22.74	0.94%	3.56%
1940 / 1950	471	150118	28.43	1.17%	4.73%
1950 / 1960	3578	1210600	229.28	9.43%	14.16%
1960 / 1970	4751	1390335	263.32	10.83%	24.99%
1970 / 1980	7335	2120770	401.66	16.52%	41.51%
1980 / 1990	4693	1262618	239.13	9.83%	51.34%
1990 /2000	3964	1066880	202.06	8.31%	59.65%
2000 / 2010	5287	1481287	280.55	11.54%	71.19%
2010 / 2020	5146	1384477	262.21	10.78%	81.98%
2020 / 06-2023	892	243774	46.17	1.90%	83.88%
UNKNOWN	7839	2070162	392.08	16.12%	100.00%
TOTAL	45,570	12,838,347	2,431.51	100.00%	

Manhole Rehabilitation

- 130 Manholes lined to date with Infrastructure Rehabilitation contractor
- Cured in Place (heat)
- Fiberglass Liners
- 2 Manholes/day
- Doniphan
- Mesa Drain
- Upper Valley Outfall



Before



After

Program is providing valuable information



- Assessment has found hotspots where large sections of pipe have broken away
- Allows EPWater to proactively replace segments before failure



District Construction Updates

The EPWater outreach toolbox

EPWater has a robust construction outreach program that includes:

- **Community meetings** prior to start of construction
- **News releases** for projects that will affect a large area
- **Door-hanger notices** to inform residents of construction and potential impacts
- **Social media posts** to update followers on construction progress

EPWater will now provide more updates on projects within council member districts through

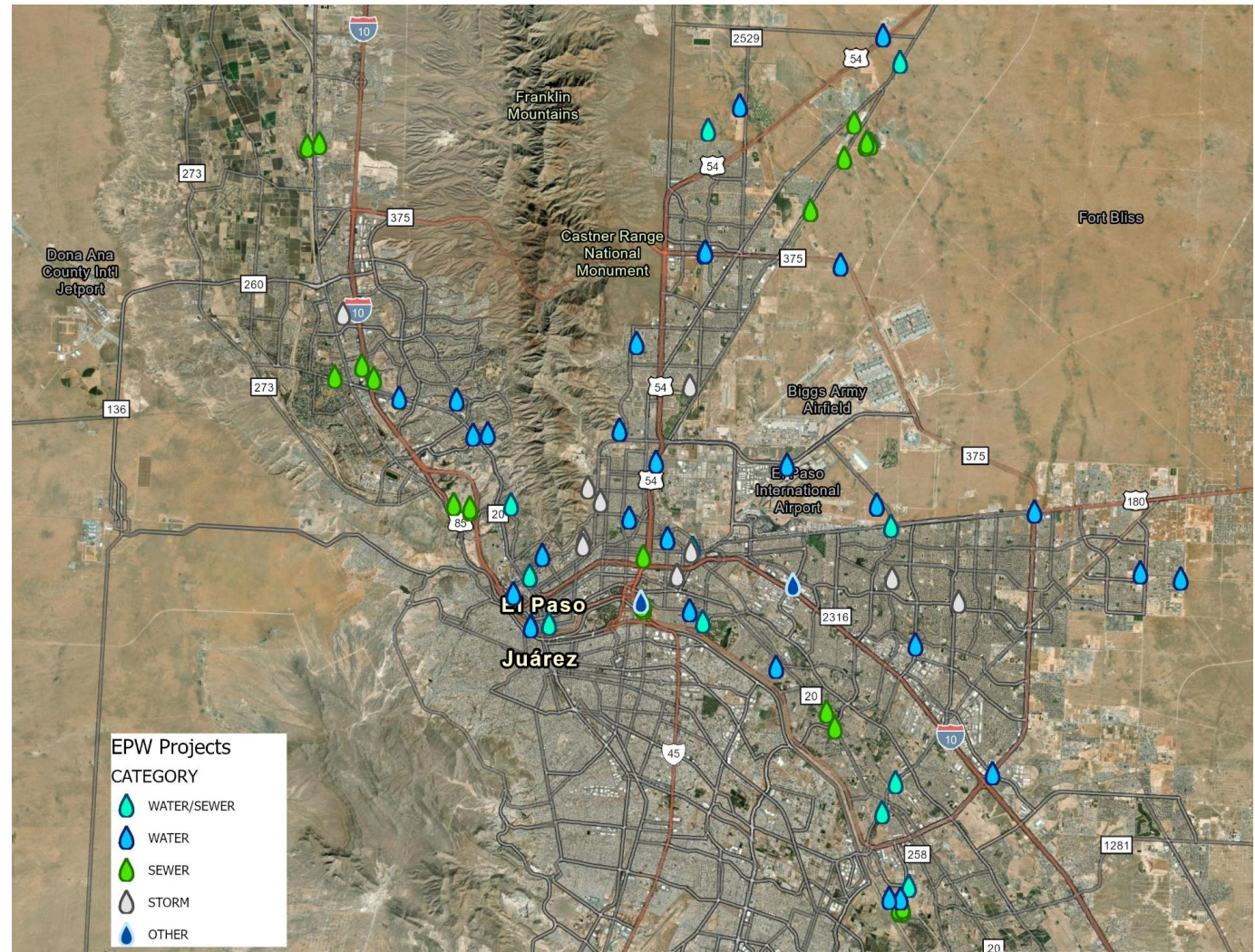
- Construction project highlights in quarterly presentations to council
- Quarterly briefings with individual council members



Large capital program underway citywide

Over **60** construction projects are currently active across the city, including improvements for:

- Water
- Wastewater
- Water & Wastewater
- Stormwater



District 1 – Rep. Brian Kennedy



Luckett Wastewater Line Replacement Project

- Upgrading existing 8-inch wastewater line with a 12-inch line

Goal: Provide increased capacity to handle flow from nearby business community to prevent overflows

District 2 – Rep. Alessandra Annello

Pecos Water and Wastewater Rehabilitation Project

- Extension of water and wastewater mains for surrounding neighborhood

Goal: Improve reliability of the distribution and collection systems



District 3 – Rep. Cassandra Hernandez



Pipeline Protection Project – Yarbrough and Kinross

- Replace 500 linear-feet of water line with 24-inch HDPE

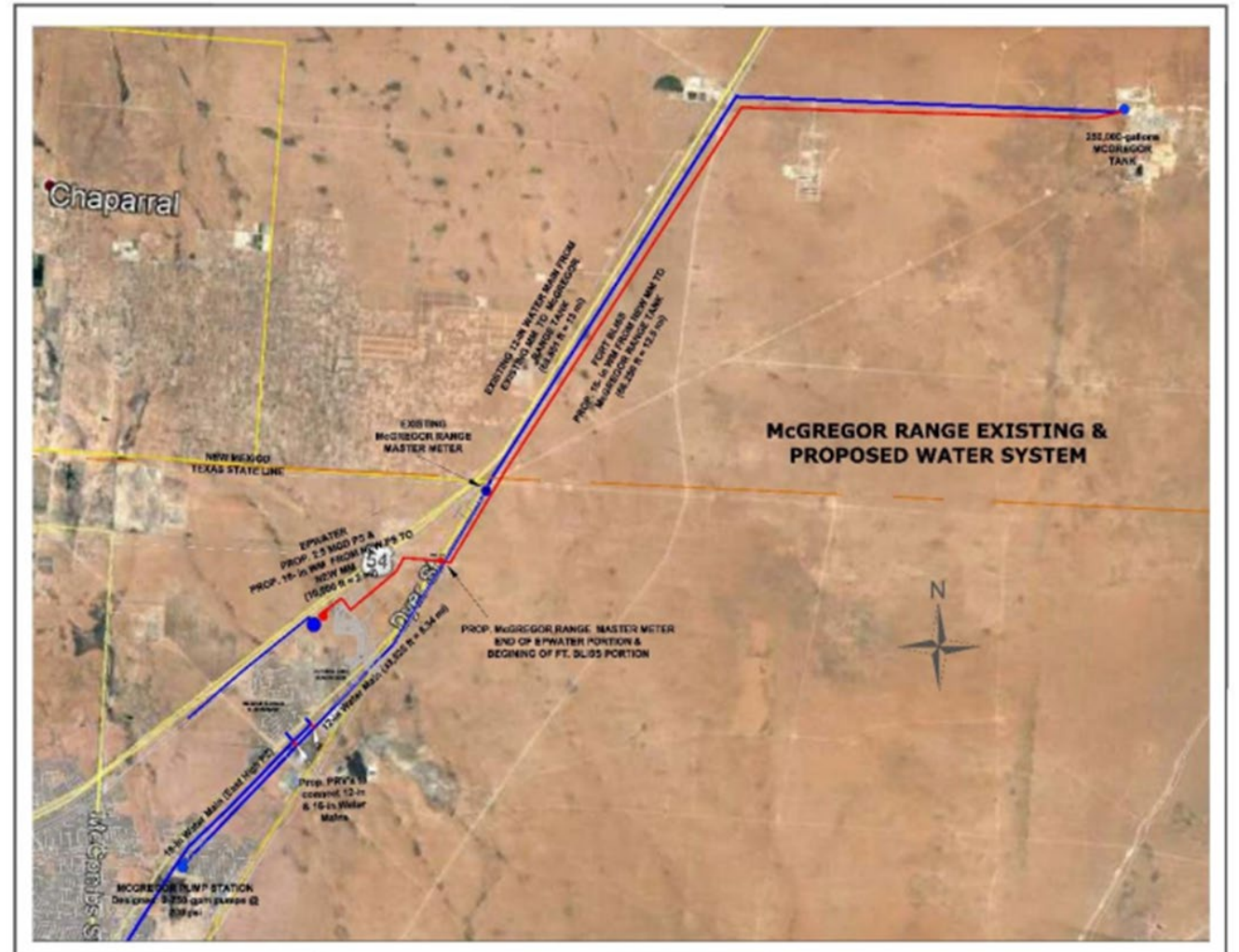
Goal: Replace corroded water lines with corrosion-resistant lines to prevent collapse

District 4 – Rep. Joe Molinar

McGregor Range Booster Station Replacement

- Replacement of a 65-year-old booster station.
- Part of an project to replace and upgrade pipelines that feed the current booster station

Goal: Replace aging booster station to ensure Fort Bliss mission readiness



District 5 –Rep. Isabel Salcido



Montana East 36-inch Water Line Extension – Phase 2

- Installation of 13,000 linear feet of 36-inch concrete steel cylinder pipe

Goal: Support population growth in El Paso by connecting two elevated storage tanks

District 6 – Rep. Art Fierro

Lake Omega Retention Pond Improvements

- Installation of new spillway and box culverts to carry larger volumes of stormwater into the pond

Goal: Increase drainage from residential streets and commercial areas into stormwater pond



District 7 – Rep. Henry Rivera



Zaragoza Water & Wastewater Improvements

- Installation of new water and wastewater lines throughout neighborhood
- Replace current system

Goal: Improve reliability of systems with history of overflows and collapse near railroad

District 8 – Rep. Chris Canales

Mesa Waterline Replacement Project

- Replacing aging water lines in three sections of Mesa
- Work coordinated to precede TXDOT planned resurfacing of Mesa
- Construction took place overnight to minimize impact on traffic and businesses

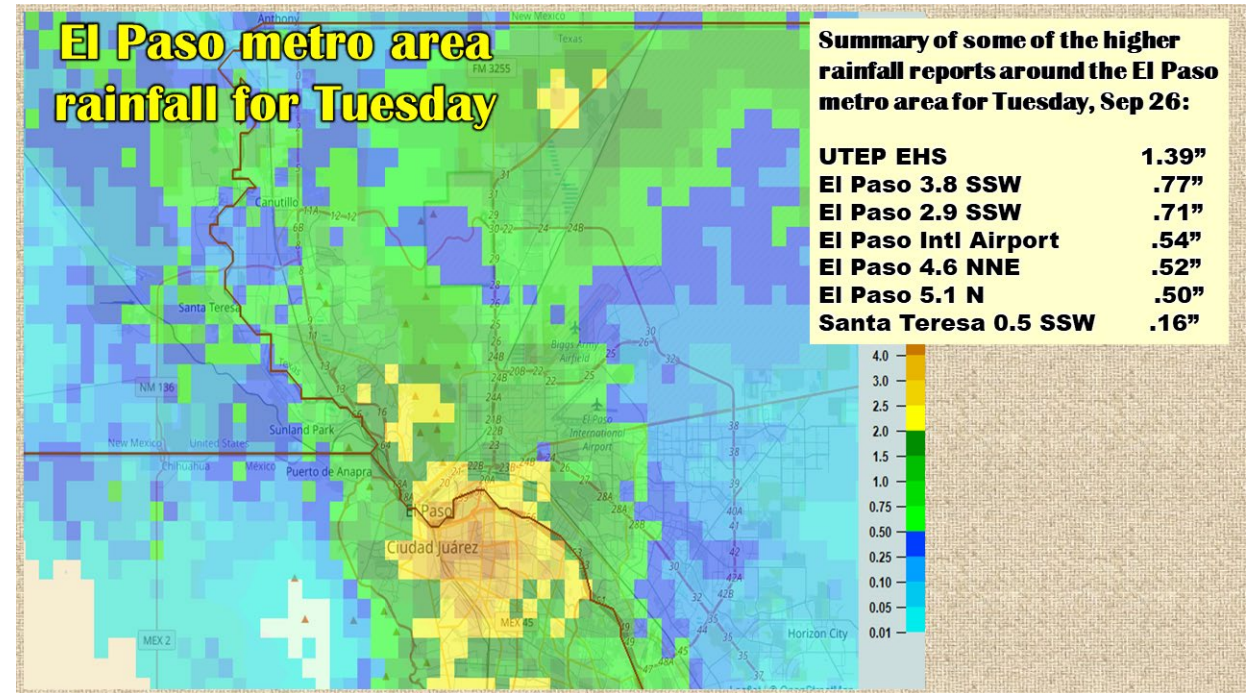
Goal: Improve reliability of water lines with history of breaks and leaks





Monsoon Season Update

Monsoon season running later than usual



- *El Nino* weather pattern was expected to bring higher rainfall this monsoon season
- Strong storms didn't materialize during normal monsoon season
- Expect more late season storms like the rain event on Sep. 26
 - Strong sudden downpour resulted in water collecting on streets but quickly drained



Water Resources Outlook

Current river season has been good



The 2023 river season provided a better allotment than the past three years

- 2022: June – Sep. → 3 months
- 2023: May 17 – Oct. 20 → 5 months
- Full (example): March – Oct. → 6 months

Elephant Butte Reservoir levels will be at 90% empty at the end of the current river season

➤ Any savings left in reservoir would be lost due to evaporation

The 2024 river season will need significant snowpack near headwaters in Colorado and New Mexico



Proposition 6 Awareness

Creation of the Texas Water Fund

The Texas Legislature passed legislation calling for the creation of the **Texas Water Fund** and authorized a one- time **\$1 billion supplemental appropriation of general revenue** to the Texas Water Fund, contingent on voter approval.

➤ **Proposition 6** is on the ballot on **November 7, 2023**.

Priorities of the Texas Water Fund:

- Water infrastructure projects for rural political subdivisions/municipalities with a population of less than 150,000
- Projects for which all required state or federal permitting has been substantially completed
- Statewide water public awareness program
- ***Water conservation strategies***
- ***Water loss mitigation projects***



Council support is critical

Fighting fraudulent marketing

EPWater appreciates the City's partnership on the "Impersonation is a Crime" initiative


- Official impersonation harms public's trust in water quality
- Companies aim to sell unnecessary water filtration systems, costing customers thousands of dollars

PUBLIC NOTICE



VERY IMPORTANT INFORMATION
ABOUT YOUR WATER
INFORMACION MUY IMPORTANTE
ACERCA DE SU AGUA
(915) 302-8882
PLEASE CALL ASAP
FAVOR DE COMUNICARSE LO MAS PRONTO
POSIBLE

*not related to EPWU



**WATER UPDATE
VERY IMPORTANT**

PRSR STD
U.S. POSTAGE
PAID
EL PASO, TX
PERMIT NO. 892

CODE: 25650 Please call us ASAP between
9:00 am - 6:00pm Monday To Friday

**TEXAS
(915) 801-9465**

Favor de comunicarse lo mas pronto posible,
entre las 9:00 am - 6:00 pm de Lunes a Viernes
We are a private company, not related to the water department.

1st Attempt 2nd Attempt Final Attempt

NOTICE

SORRY WE MISSED YOU



WE WERE HERE ON

Please call us ASAP
between 9 am- 8pm
**VERY IMPORTANT
WATER INFO**
**DISCULPE NO LO ENCONTRAMOS
ESTUVIMOS AQUI EN**

FAVOR DE COMUNICARSE LO MAS PRONTO POSIBLE
ENTRE 9 AM-8PM
**(915) 233-0949
(915) 237-8861**

Council support helps secure outside funding

EPWater appreciates city council's support for:

- DEAAG funding application
 - **State grant of \$4.5 million** would help fund McGregor Range Booster Station, which is a critical component of the sole water supply system to the installation
- Montana Vista bond sale approval
 - Phase II of the Montana Vista Wastewater Project will bring **first-time wastewater service to 775 homes**
 - TWDB will provide grant (70%) and low-interest loan (30%) to finance project costs





el paso
WATER

THANK YOU