



FY23 WATER LINE LEAKS

VENUS PRICE

**DIRECTOR, DRINKING WATER OPERATIONS -
HOUSTON WATER**

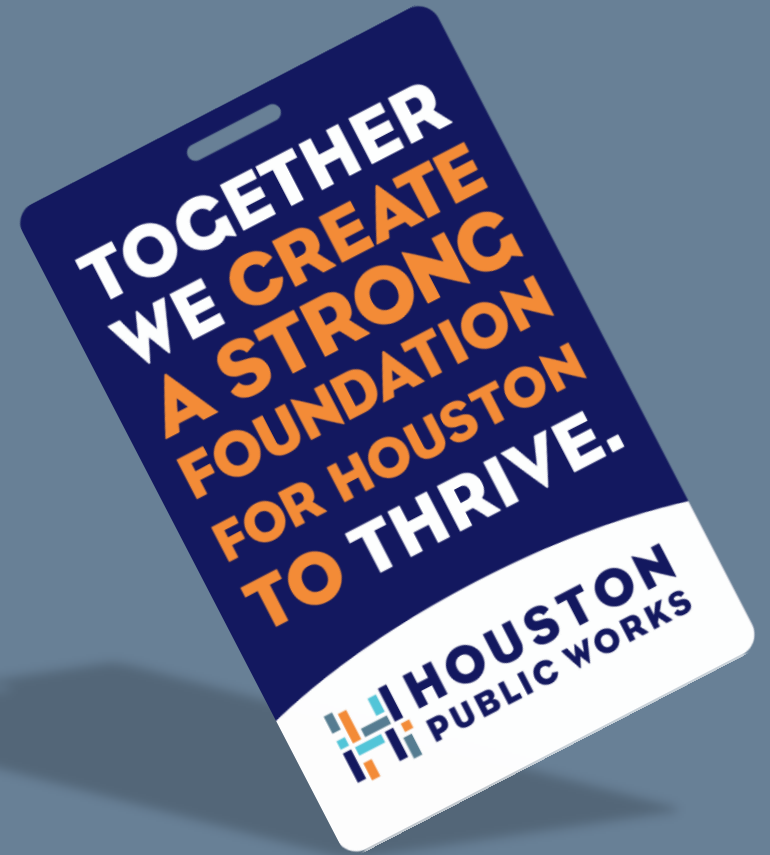


PURPOSE

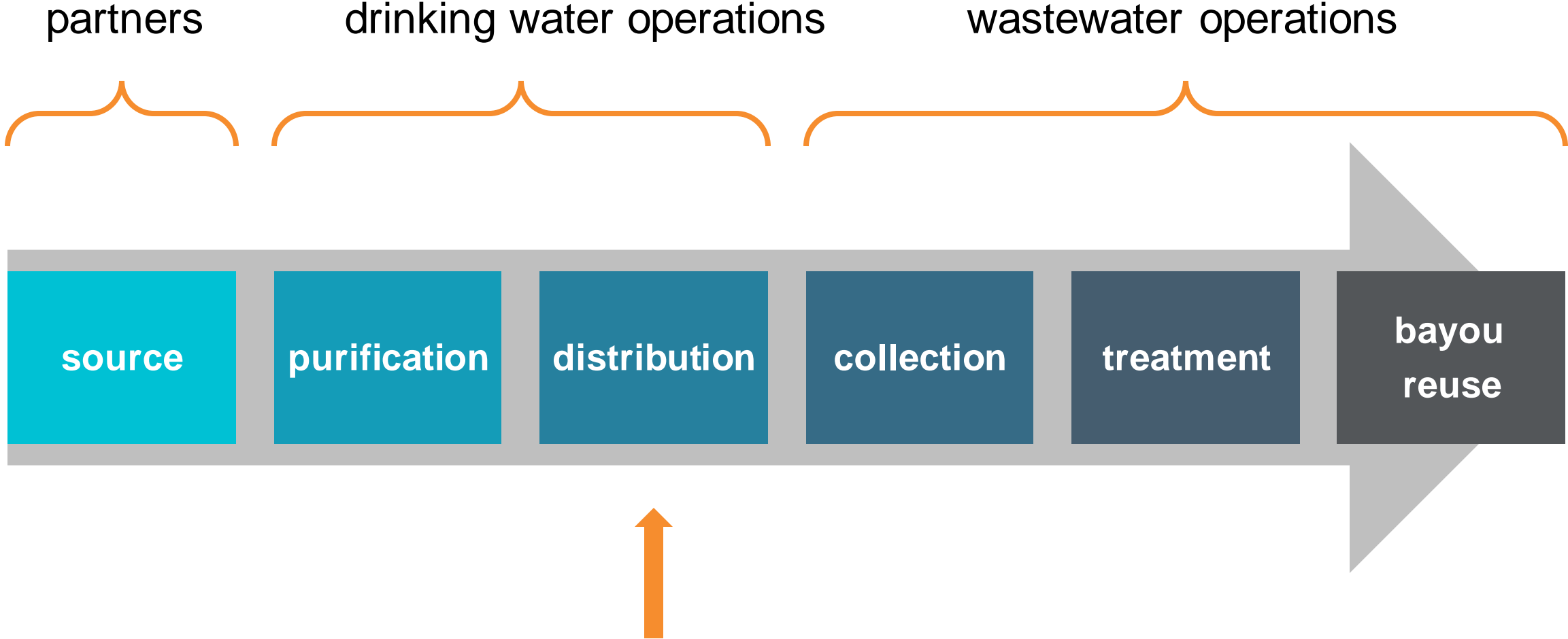
together we create a strong foundation
for Houston to thrive

5 TO THRIVE VALUES

integrity | teamwork | ownership | communication | respect



HOUSTON WATER PROCESS FLOW CHART



DRINKING WATER OPERATIONS – WATER LINES

7,600



MILES OF WATER LINES

170K



SYSTEM VALVES

146B

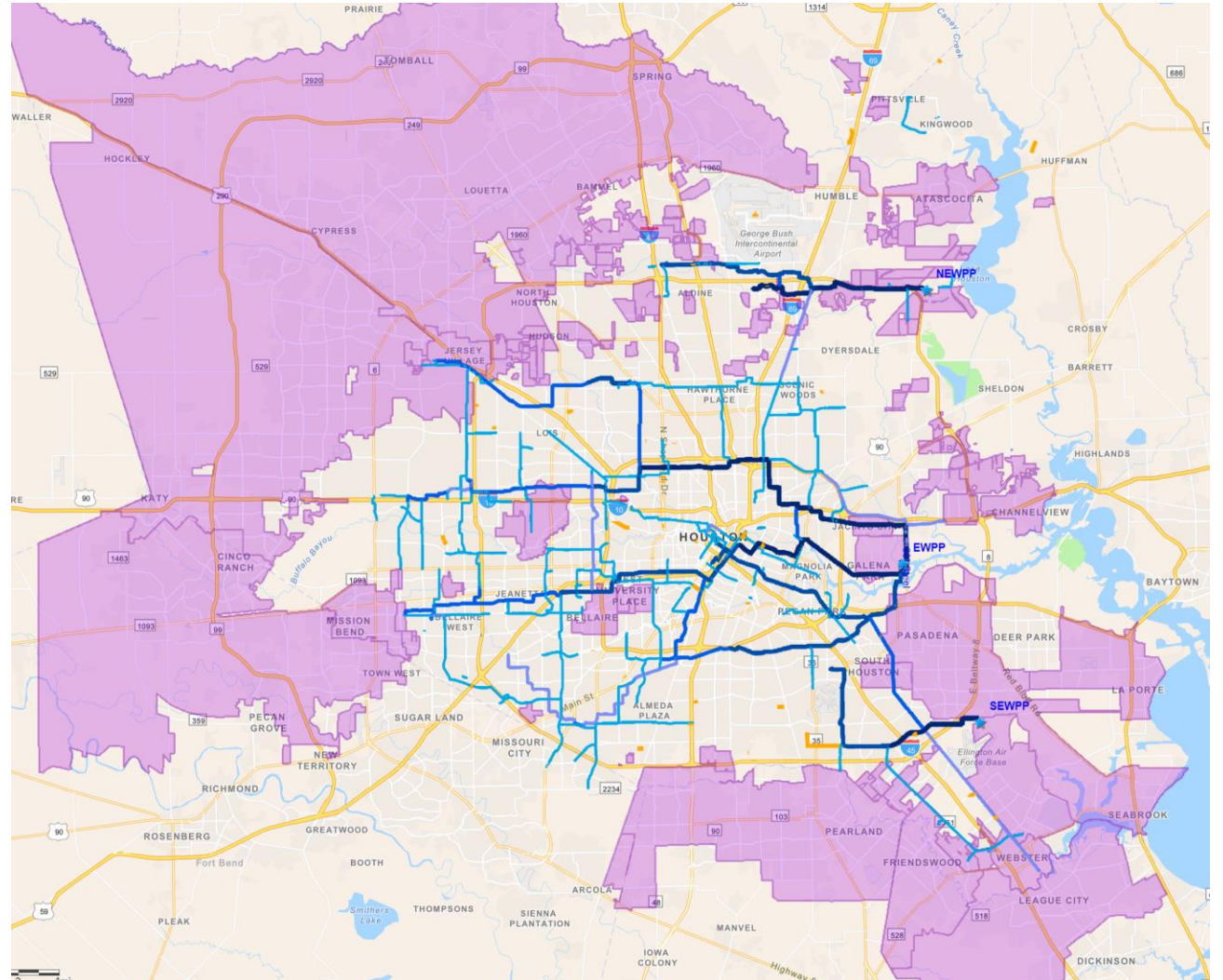


GALLONS OF WATER TREATED PER YEAR

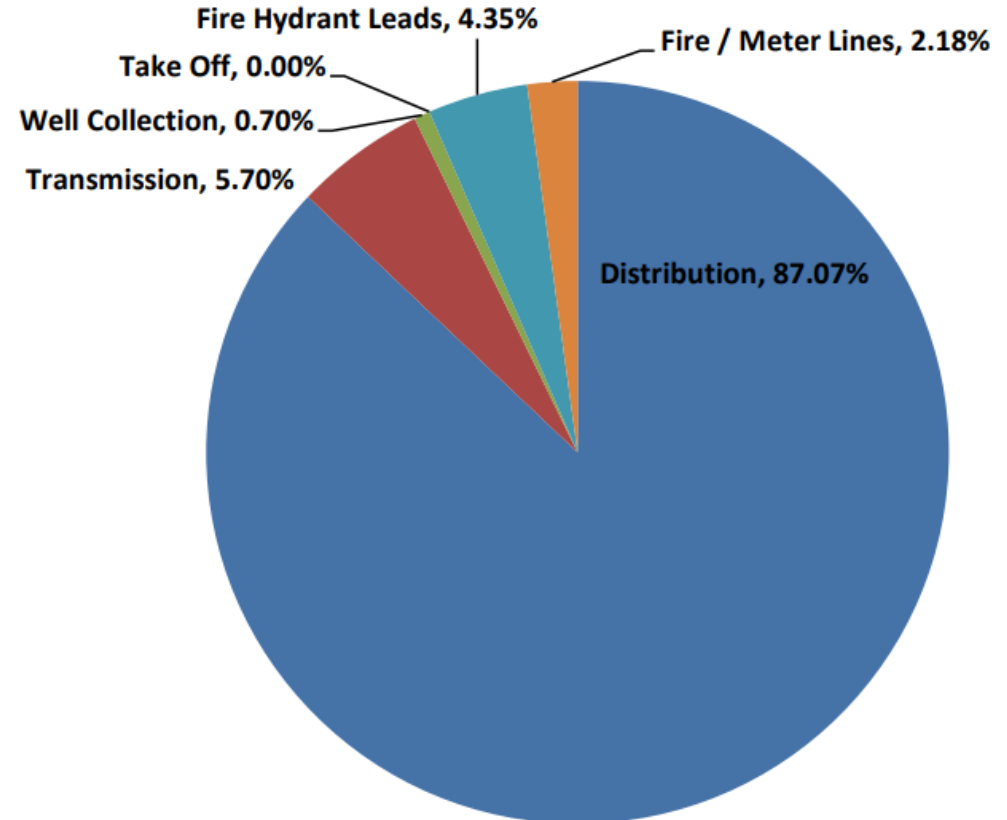
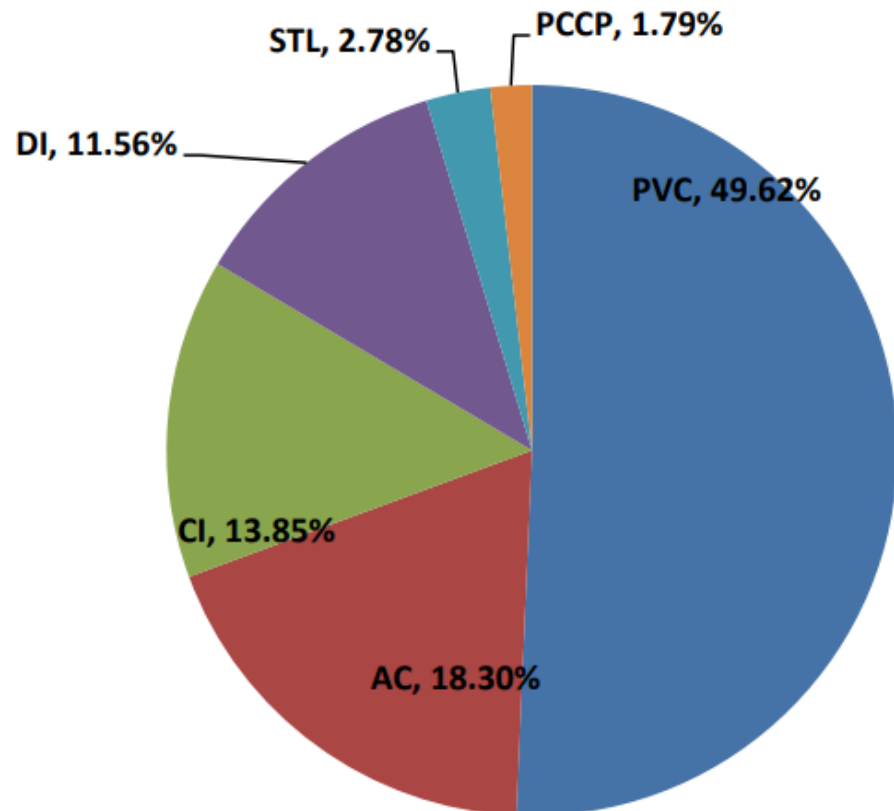
4.3M



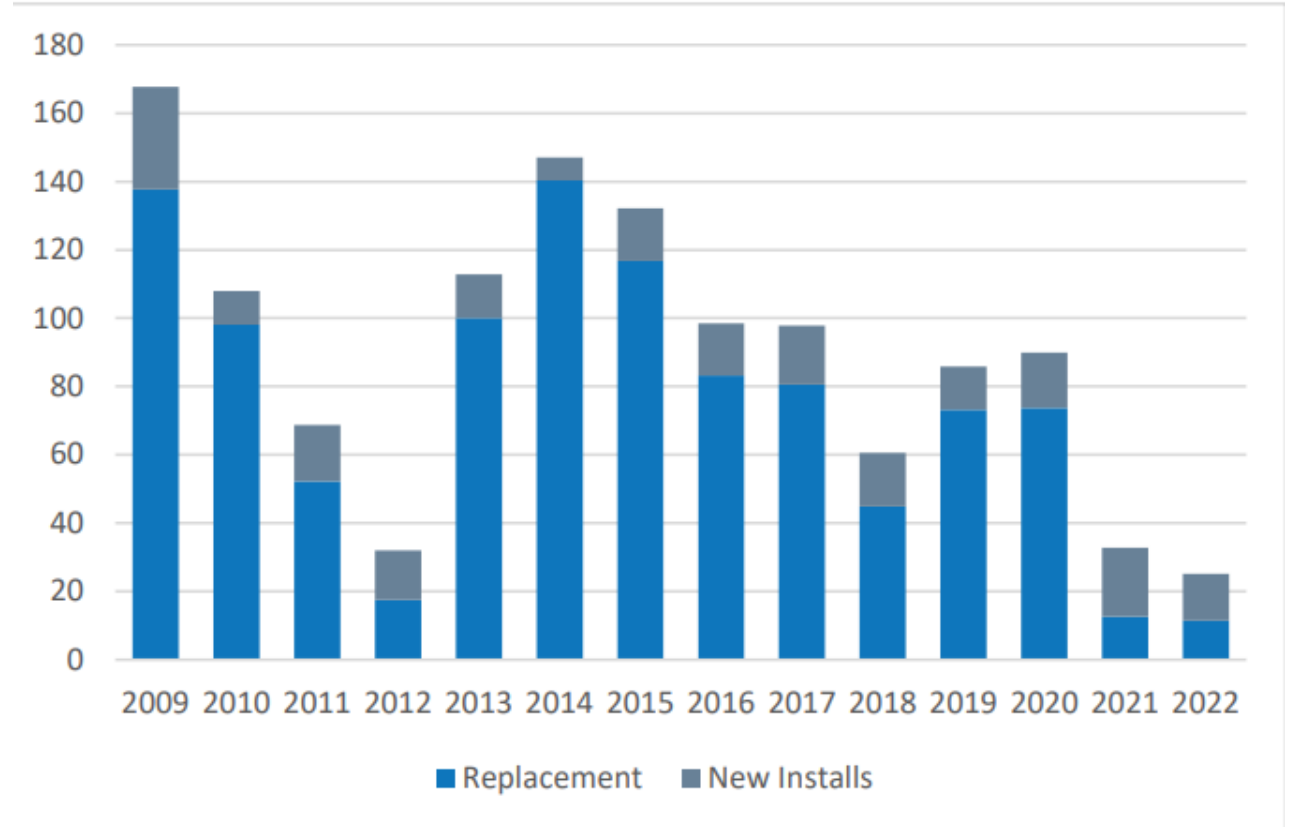
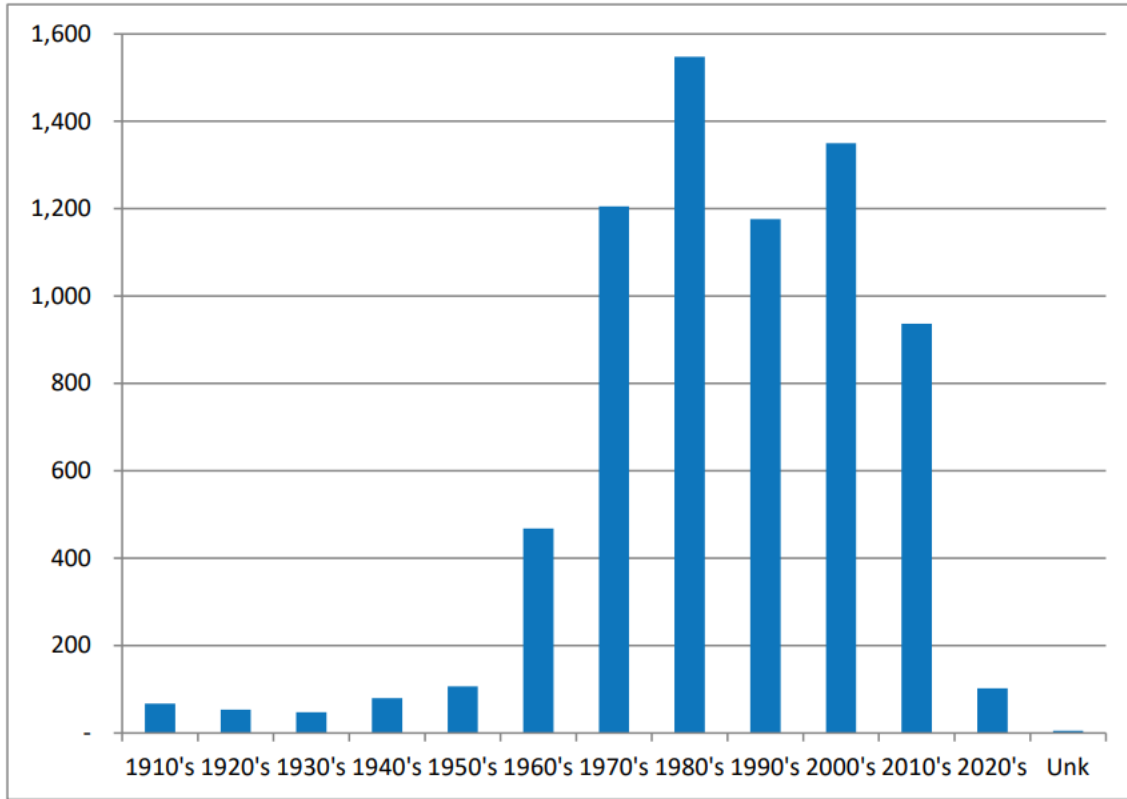
CUSTOMERS



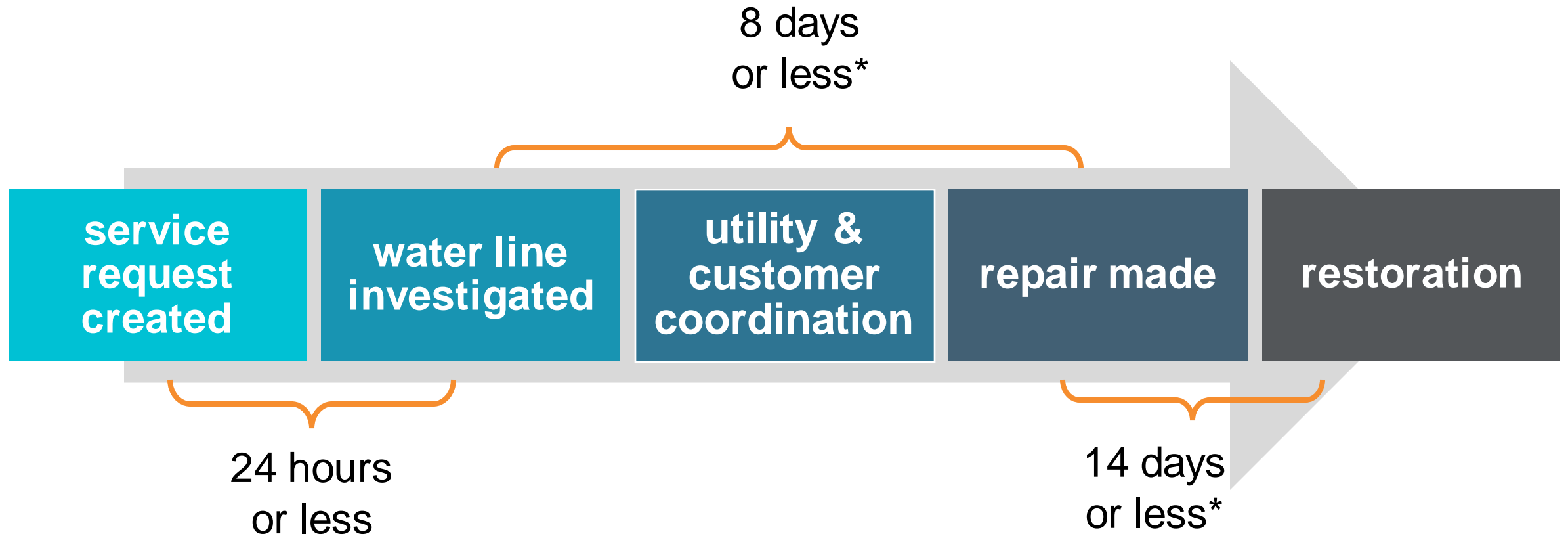
WATER LINE MATERIAL, SIZE AND USE



WATER LINE AGE AND REPLACEMENT



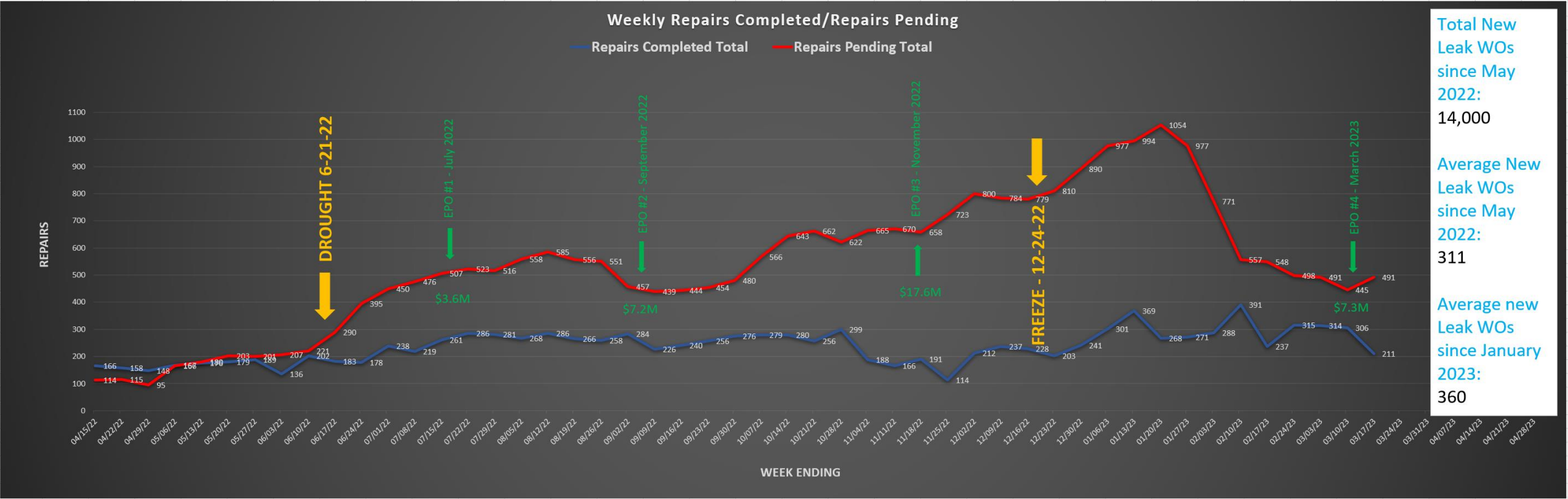
TIMELINE | WATER LINE REPAIR



goal = repair water line in 8 days or less

*life safety impact is highest priority

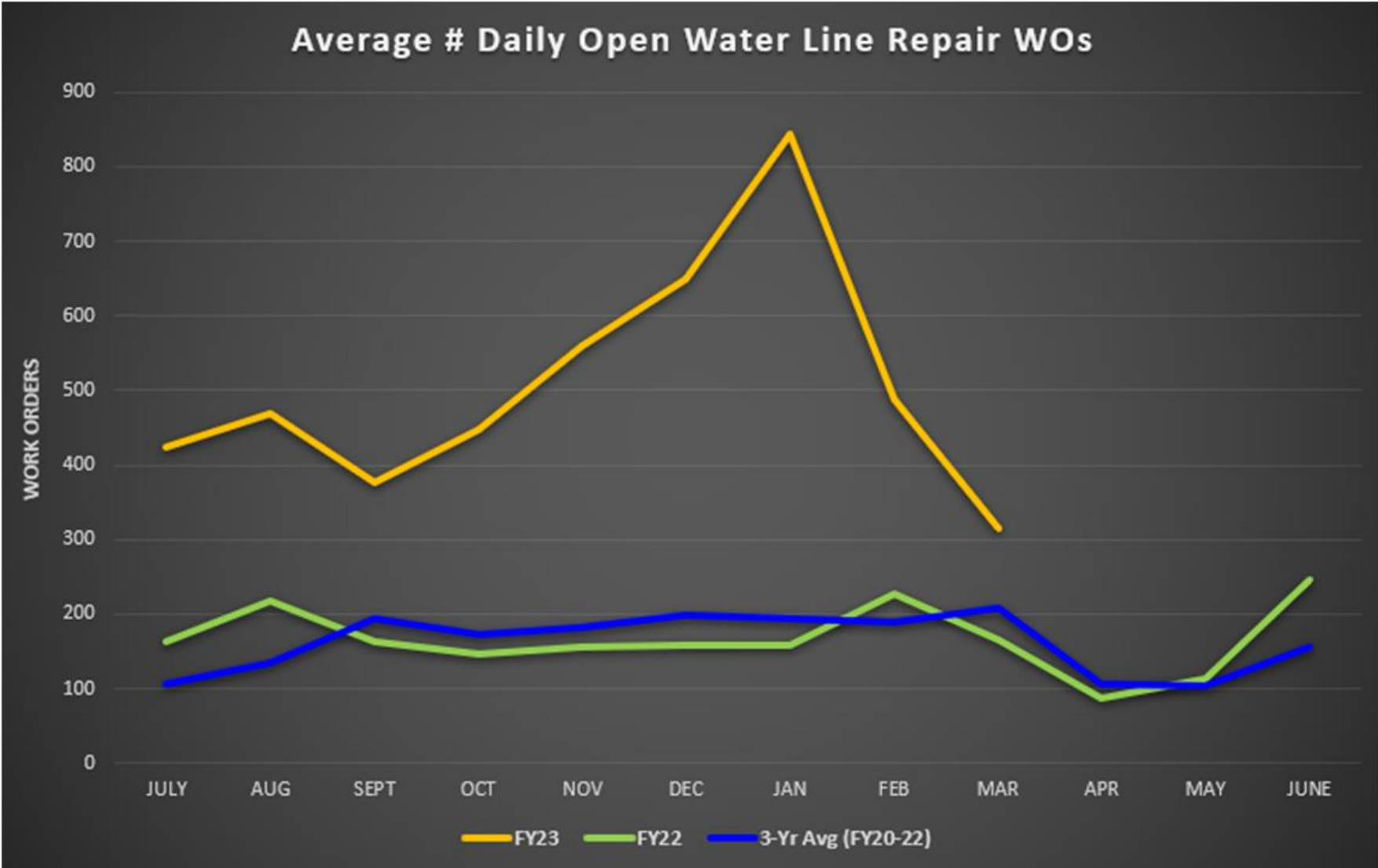
REPAIRS – BY THE NUMBERS



EMERGENCY PURCHASE ORDERS

2022 - 2023WL Breaks - EPO Vendors	Function	SPD #	Original EPO \$ (Target was for 8 weeks Mid July to Mid September)	2nd round of EPO \$ (Target was for 12 weeks Mid September to Mid December) ¹	3rd round of EPO \$ (Target was for 6 months; from End of November to End of April) ²	Current Sum Total of EPO \$	Current Daily Burn Rate ³	New EPO \$ Being Requested (Target is to extend 4 months; from mid - March to mid - July)	New Sum Total EPO \$
Hydromax	Valve Operation	SPD-JBG-07142022-001	\$570,000	\$2,344,000	\$3,015,253	\$5,929,253	\$28,822	\$4,011,000	\$9,940,253
Nerie Construction	Contractor	SPD-JBG-07142022-003	\$897,000	\$1,051,200	\$2,866,077	\$4,814,277	\$7,393	\$0	\$4,814,277
V&S	Contractor	SPD-JBG-07142022-004	\$897,000	\$1,051,200	\$844,908	\$2,793,108	\$4,520	\$0	\$2,793,108
Reytec	Contractor	SPD-JSA-07142022-005	\$897,000	\$1,051,200	\$1,614,871	\$3,563,071	\$18,701	\$0	\$3,563,071
Middleton Brown	CMI	SPD-JBG-07142022-002	\$410,000	\$1,039,000	\$1,592,596	\$3,041,596	\$11,348	\$1,647,000	\$4,688,596
Omega	CMI	SPD-JBG-09142022-001	\$0	\$678,000	\$401,837	\$1,079,837	\$5,612	\$876,000	\$1,955,837
TJ Cole Enterprises, LLC	Contractor	SPD-JBG-11152022-003	\$0	\$0	\$2,415,401	\$2,415,401	\$3,873	\$0	\$2,415,401
TexKota Enterprises	Contractor	SPD-JBG-11152022-002	\$0	\$0	\$2,415,401	\$2,415,401	\$15,206	\$0	\$2,415,401
Nerie Brothers	Contractor	SPD-JBG-11152022-001	\$0	\$0	\$2,415,401	\$2,415,401	\$8,364	\$0	\$2,415,401
Xylem - Leak Detection (NEW VENDOR)	Leak Detection	0	\$0	\$0	\$0	\$0	\$0	\$817,000	\$817,000
Sum			\$3,671,000	\$7,214,600	\$17,581,745	\$28,467,345		\$7,351,000	\$35,818,345

REPAIRS – BY THE NUMBERS



NEXT STEPS – CIP PROJECTS

Miscellaneous Small Diameter Fire Hydrant, Valves and Water Lines. Bids were due 3-30-23.

- **S-000700-0076-4**
- **S-000700-0077-4**
- **S-000700-0078-4**
- **S-000700-0079-4**

- **Next round of RFQs**

FUTURE EFFORT AND PROJECTS

- **On-going CIP projects**
- **Proactive leak detection – finding leaks before they surface**
- **Review of design, construction and permitting standard**
- **Review of the asset database for accuracy**
- **Creation of a forensics program inside the work order system and sub**

thank you!



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