

## WATER MAIN BREAK/ JOINT LEAK REPORT - DECEMBER 2021

### YEARLY WATER MAIN BREAK COMPARISON

<u>DEC 20</u>	<u>DEC 21</u>	<u>YTD 20</u>	<u>YTD 21</u>
27	15	105	137

LOCATION	BREAK DATE	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
2701 E. Henry St.	12/1/2021	296531	DIP	8"	1972	1/128" Crack	57 Days	2,700,219	\$16,417.33
NOTES: Break was found when the crew was testing hydrants and with the correlator. This never surfaced. Duration is based on the last time this hydrant was tested.									
1200 E. Northland Av.	12/2/2021	296737	DIP	12"	1979	Four Holes (2", 3", 3",4")	16 Hours	1,958,621	\$11,908.42
NOTES: Break was found as water was bubbling up. Duration is based on the time of call to repaired. Repairs were made & new breaks were occurring after turning the water back on.									
W. Northland Av. & N. Bennett St.	12/2/2021	296754	CIP	12"	1969	1/16" Crack	5 Hours	104,446	\$635.03
NOTES: Break was called in by APD. Duration is based on the time it was reported and the amount of water.									
821 S. Pierce Av.	12/2/2021	296797	CIP	6"	1927	1/16" Crack	6 Hours	71,058	\$432.03
NOTES: Break was called in by APD. Duration is based on the time it was reported and the amount of water.									

\*\*Water Loss is calculated at the residential rate of \$6.08 per 1000 gallons.

LOCATION	BREAK DATE	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
917 E. Capitol Dr.	12/2/2021	296736	DIP	12"	1967	4" Hole	3 Hours	523,000	\$3,179.84
NOTES: Break was found as water was bubbling out of the road. Duration is based on time of report until it was repaired.									
1707 N. Ballard Rd.	12/9/2021	297018	CIP	8"	1962	1/64" Crack	6 Days	628,464	\$3,821.06
NOTES: Break was found as there was water on the road. Duration is based on resident's note of water on road and the soil saturation.									
501 E. Taft Av.	12/10/2021	297057	CIP	6"	1957	3" Hole	3 Hours	3,113,600	\$18,930.69
NOTES: Break was called in as water is bubbling on road. Duration is based on time of call until it was turned off for repair.									
1030 W. Whittier Dr.	12/12/2021	297092	CIP	8"	1964	1/16" Crack	2 Days	668,455	\$4,064.21
NOTES: Break was called in by resident. Duration is established from when the resident first saw the water, along with the amount of water running down the road.									
1821 W. Reid Dr.	12/13/2021	297126	CIP	6"	1957	3" Hole	4 Hours	365,672	\$2,223.29
NOTES: Break was found as water was bubbling out of the road. Duration is based on time of report until it was repaired.									
1705 N. Rankin St.	12/14/2021	297210	CIP	6"	1957	1/16" Crack	3 Hours	29,009	\$176.37
NOTES: Break was called in by resident. Duration is based on time of call to when it was turned off for repair.									
157 Northbreeze Dr.	12/23/2021	297444	DIP	8"	1978	1/32" Hole	57 Days	13,533	\$82.28

\*\*Water Loss is calculated at the residential rate of \$6.08 per 1000 gallons.

LOCATION	BREAK DATE	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
NOTES: Break was found as there was water on the road. Duration is based on soil saturation and the date of the last hydrant test.									
2624 S. Berry St.	12/23/2021	297448	CIP	8"	1968	12" Split	22 Days	1,990,460	\$12,102.00
NOTES: Break was called in by a resident. Duration is bases on the soil saturation and the last time the hydrant was tested.									
1400 S. Memorial Dr.	12/24/2021	297446	CIP	8"	1928	One 2.5" Hole & Two 1.5" Holes	5 Hours	619,841	\$3,768.63
NOTES: Break was found as water was coming out of the ground. Duration is based on soil saturation and the time of call until was it was off for repair.									
331 E. McArthur St.	12/27/2021	297483	CIP	8"	1957	1/6" Crack	4 Hours	59,551	\$362.07
NOTES: Break was found as water was bubbling up. Duration is based on time of call and the soil saturation.									
College Av. Easement Road	122921	297483	DIP	12"	1960	5" Hole	4 Hours	971,614	\$5,907.41
NOTES: Break was found as water was bubbling up. Duration is from time of call along with soil saturation.									

In addition to the dollar value of water revenue lost, there is an average cost of \$9,000 to repair each water main break (including final restoration) and an average cost of \$630 to produce the lost water for each main break.

\*\*Water Loss is calculated at the residential rate of \$6.08 per 1000 gallons.