

WATER MAIN BREAK/ JOINT LEAK REPORT - NOVEMBER 2021

YEARLY WATER MAIN BREAK COMPARISON

<u>NOV 20</u>	<u>NOV 21</u>	<u>YTD 20</u>	<u>YTD 21</u>
7	24	78	122

LOCATION	BREAK DATE	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
1817 N. Edgewood Ave.	11/1/2021	295604	CIP	6"	1961	4"x 1/4" Crack	210 Days	48,366,110	\$294,065.95
NOTES: Break was found when noise was heard during hydrant inspection. Water never surfaced, was running into a catch basin. Duration went back to the last date of hydrant inspection 4/5/21.									
948 E. Randall Ave.	11/2/2021	295649	CIP	6"	1949	4" Hole	4 Hours	502,175	\$3,053.22
NOTES: Break was found as water was bubbling up. The duration is based on the soil saturation.									
N. Superior St. & N. Kalata Pl.	11/2/2021	295653	CIP	12"	1950's	6" Hole	6 Hours	2,143,824	\$13,034.45
NOTES: Break was found as water was bubbling up. The duration is based on the soil saturation.									
1135 E. Northwood Dr.	11/5/2021	295760	DIP	8"	1977	2" Split	5 Days	85,504	\$519.86
NOTES: Break was found with the correlator. Duration is based on soil saturation and noise on hydrant after main break nearby on 11/1/21.									
407 S. Maplecrest Dr.	11/8/2021	295785	CIP	6"	1957	1/32" Crack	4 Hours	117,500	\$714.40
NOTES: Resident called in water bubbling out of the road. Duration is based on time of call and soil saturation.									

**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**
1806 E. Randall Ave.	11/8/2021	295808	CIP	8"	1962	1/32" Crack	8 Hours	309,317	\$1,880.65
NOTES: Break was found as water was bubbling up. The duration is based on the soil saturation.									
716 N. Lawe St.	11/11/2021	295950	CIP	8"	1913	2" Hole	4 Hours	212,076	\$1,289.42
NOTES: Break was called in by APD. Duration is based on time of call till fixed.									
1527 S. Midpark Dr.	11/12/2021	295985	CIP	8"	1970	1/8" Crack	6 Hours	199,739	\$1,214.41
NOTES: Break was called in by resident. Duration is based on soil saturation and the amount of water bubbling.									
1232 E. Park Hills Dr.	11/15/2021	295994	DIP	8"	1966	1/8" Crack	4 Hours	121,557	\$739.07
NOTES: Break was called in as water was bubbling up. Duration is based on time of call till it was fixed.									
1301 W. Homestead Dr.	11/15/2021	295996	DIP	8"	1978	1 1/2" Hole	54 Days	29,538,824	\$179,596.05
NOTES: Break was found as noise was heard on the hydrant. Break was found when testing hydrants. This leak never surfaced, must have been entering the storm sewer. Duration is estimated from the last time the hydrant was test/ flushed in spring.									
1927 N. Elinor St.	11/15/2021	296031	CIP	6"	1960	2" Hole	3 Hours	121,557	\$739.07
NOTES: Break was called in as water was on the road. Duration is based on time of call and soil saturation.									
S. Madison St. & E. Fremont St.	11/19/2021	296177	CIP	6"	1929	3" Hole	4 Hours	364,672	\$2,217.21
NOTES: Break was called in by APD. Duration is based on the amount of mud and water on the road. Along with the time of call.									

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LOCATION	BREAK DATE	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
E. Witzke Blvd.	11/20/2021	296178	CIP	8"	1971	1/16" Crack	8 Hours	137,526	\$836.16
NOTES: Break was called in by Facilities. Duration is based on soil saturation, water present, and the time of the call.									
E. Lourdes Dr. & S. Schaefer St.	11/21/2021	296179	DIP	12"	1975	3" Hole	4 Hours	364,672	\$2,217.21
NOTES: Break was called in by APD. Duration is based on the amount of mud and water on the road. Along with the time of call.									
2102 E. Emmers Dr.	11/22/2021	296187	CIP	8"	1965	4" Hole	4 Hours	648,305	\$3,941.69
NOTES: Break was found as water was bubbling up. The duration is based on the soil saturation and time of being notified.									
1200 S. Mathias St.	11/22/2021	296249	CIP	12"	1963	1/16"	4 Hours	103,145	\$627.12
NOTES: Break was called in by APD. Duration is based on the amount of water on the road. Along with the time of call.									
621 N. Superior St.	11/23/2021	296260	CIP	6"	1930	6" Hole	4.5 Hours	1,604,014	\$9,752.41
NOTES: Break was reported to our 3rd shift by APD for water bubbling in the road. Duration is based on time of call, soil saturation, and amount of water under ground near storm inlet.									
525 N. Summit St.	11/23/2021	296261	CIP	6"	1928	13" Split & 2" Hole	4 Hours	802,833	\$4,881.22
NOTES: Break was reported as water was bubbling in the road for 2 blocks. Duration is based on time of being notified and soil saturation.									
E. Witzke Blvd.	12/24/2021	296178	CIP	8"	1971	1/64" Crack	72 Hours	314,323	\$1,911.08
NOTES: Break was found as water was on the road from previous patch. Duration is established since it was just fixed days prior.									

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1713 E. Melrose Ave.	11/25/2021	296402	CIP	6"	1953	1/16" Crack	4 Hours	38,138	\$231.88
NOTES: Break was found as water was bubbling in the road. Duration is based on soil saturation.									
3009 E. Canary St.	11/25/2021	296401	DIP	8"	1980	3" Hole	3 Hours	270,755	\$1,646.19
NOTES: Break was called in by APD. Duration is based on soil saturation and time of call.									
72 Ramlen Ct.	11/28/2021	296396	CIP	6"	1957	1/16"	4 Hours	42,762	\$259.99
NOTES: Break was called in as water was bubbling up. Duration is based on time of call till it was fixed and soil saturation.									
417 E. Longview Dr.	11/29/2021	296416	CIP	8"	1961	1/16"	5 Hours	75,973	\$461.92
NOTES: Break was called in by APD. Duration is based on amount of water on road and soil saturation.									
W. Lindbergh St. & N. Superior St.	11/29/2021	296422	CIP	8"	1957	1/8"	6 Hours	154,717	\$940.68
NOTES: Break was called in by APD. Duration is based n the amount of water and mud on the road.									

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.

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