

WATER MAIN BREAK/ JOINT LEAK REPORT - JULY 2021

YEARLY WATER MAIN BREAK COMPARISON

<u>JULY 20</u>	<u>JULY 21</u>	<u>YTD 20</u>	<u>YTD 21</u>
6	11	50	76

LOCATION	BREAK DATE	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
3008 E. Bona Ave.	7/7/2021	287981	DIP	8"	1978	5" Hole	8 Hours	1,812,069	\$11,017.38
NOTES: The break was called in. Duration is based on saturated soil, wash out, and extreme scouring of the main.									
Capitol Dr. & Durkee St.	7/11/2021	288087	DIP	12"	1978	4" Hole	8 Hours	1,159,724	\$7,051.12
NOTES: Break was found as water was bubbling out of the road. Duration is based on soil saturation and wash out.									
College Ave. & Kensington Dr.	7/12/2021	288088	DIP	12"	1977	6" Hole	4 Hours	1,487,575	\$9,044.46
NOTES: Break was called in as water was on the road. Duration is based on time of call and soil saturation.									
331 E. North St.	7/13/2021	288163	CIP	6"	1930's	5" Hole	4 Hours	847,518	\$5,152.91
NOTES: Break was found as water was bubbling out of the road. Duration is based on from the time of call until it was fixed.									
53 Solar Cir.	7/15/2021	288308	DIP	8"	1980	5" Hole	4 Hours	906,034	\$5,508.69
NOTES: Break was found as water was bubbling out of the road. Duration is based on from the time of call until it was fixed.									

**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**
Northland Ave. & Ballard Rd.	7/15/2021	288903	DIP	12"	1976	4" Hole	4 Hours	673,305	\$4,093.69
NOTES: Break was found as water was on the road. Duration is based on time of call and the soil saturation.									
1607 S. Carver La.	7/19/2021 @ 9:30 AM	288404	CIP	6"	1952	1/2" Hole	49 Days	2,663,741	\$16,195.55
NOTES: Break was found as water was on the road. Duration is based on time of call and the soil saturation.									
1607 S. Carver La.	7/19/21 @ 2 PM	288404	CIP	6"	1952	3" Hole	2 Hours	163,086	\$991.56
NOTES: This break blew when the main was turned back on for the earlier break.									
S. Buchanan St.	7/22/2021	288575	CIP	12"	1961	3/4" Hole	22 Days	3,295,639	\$20,037.49
NOTES: Break was called in by a resident. Duration is based on the amount of water in trench/ soil saturation, and the deterioration of the old clamp.									
1907 E. Bradley La.	7/28/2021	288768	DIP	8"	1979	4" Hole	5 Hours	1,010,608	\$6,144.50
NOTES: Break was called in by a resident. Duration is based on the time of call, size of hole, and the saturated soil.									
1416 W. Marquette St.	7/29/2021	288831	CIP	8"	1962	4" Hole	5 Hours	434,897	\$2,644.17
NOTES: Break was found as water was bubbling out of road. Duration is bases on the 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.