

# WATER MAIN BREAK/ JOINT LEAK REPORT - JANUARY 2021

## YEARLY WATER MAIN BREAK COMPARISON

<u>MONTH 20</u>	<u>MONTH 21</u>	<u>YTD 20</u>	<u>YTD 21</u>
11	17	11	17

LOCATION	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
3431 S. Kernan Ave.	280159	DIP	12"	1978	2 1/2" Hole	4 Hours	253,244	\$1,539.72
NOTES: Call came in from the Police Dept. to our 3rd shift Street Sweepers. Duration is based on time of call.								
1829 N. Linwood Ave.	280166	CIP	8"	1961	1/4" Crack	5 Hours	321,610	\$1,955.39
NOTES: Resident called in water bubbling in road. Duration is based on time of call.								
425 Covenant Ct.	280168	DIP	8"	1980	4" Hole	4 Hours	579,862	\$3,525.56
NOTES: Police Dept. reported break. Duration is based on time of call to being fixed.								
94 Crestview Dr.	280169	CIP	8"	1961	1/16" Crack	4 Hours	60,779	\$369.54
NOTES: Police Dept. reported break. Duration is based on time of call to being fixed.								
Fourth St (West of Mason)		CIP	8"	1967	1/32" Crack	5 Days	815,431	\$4,957.82
NOTES: Break was found as noise was heard on hydrant. Duration is based on soil saturation. Leak was not repaired as its on a dead end line that's up for replacement this 2021 construction season. Valve was shut off.								

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

LOCATION	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
1513 N. Outagamie St.	280365	CIP	8"	1953	1/16" Crack	6 Hours	77,359	\$470.34
NOTES: Street Sweeper found while out salting. Duration is based on soil duration and from finding to being fixed.								
1935 N. Bennett St.	280485	CIP	6"	1953	1/8" Hole	7 Days	23,181	\$140.94
NOTES: Heard noise on the hydrant. Duration is determined by soil saturation and the date of the last hydrant test.								
Easthaven Ct. & Schaefer St.	280579	DIP	8"	1980	4" Hole	4 Hours	608,164	\$3,697.64
NOTES: Police Dept. reported break. Duration is based on time of call to being fixed.								
1001 E. Florida Ave.	280580	CIP	8"	1969	1/64" Crack	10 Days	981,909	\$5,970.01
NOTES: Resident call in as sump pump was running. After starting repair, determined it was running for a little while.								
Pine St. & Douglas St.	280709	CIP	6"	1953	Two 3" Holes	20 Minutes	53,818	\$327.21
NOTES: Broke after water was turned back on. Was shut off right away.								
1617 W. Pine St.	280757	CIP	6"	1953	Three 3" Holes	2 Hours & 10 Minutes	176,132	\$1,070.88
NOTES: Water in road was called in. Repaired three holes, each hole was 3". Duration is based on time of call and soil saturation.								

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LOCATION	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
2425 N. Division St.	280792	CIP	6"	1957	1/16" Crack	8 Hours	70,618	\$429.36
NOTES: Reported by the Appleton Police Dept. Duration is based on soil saturation.								
Fidelis St. & Forest St.	280823	CIP	8"	1964	1/64" Crack	18 Days	1,467,776	\$8,924.08
NOTES: Noise was heard on the Hydrant and with correlator. Break never surfaced. Duration was based on the start of the year till it was found.								
1031 S. Mathias St.	280856	CIP	8"	1962	1/64" Crack	19 Days	517,234	\$3,144.78
NOTES: Found when testing the hydrant and with the correlator. Break never surfaced. Duration went back to the start of the year till it was found.								
Montclair Ct.	280903	CIP	8"	1964	1/64" Crack	20 Days	435,295	\$2,646.59
NOTES: Found when testing the hydrant and with the correlator. Break never surfaced. Duration went back to the start of the year till it was found.								
901 E. Capitol Dr.	281212	DIP	12"	1967	2" & 3" Hole	6 Hours	1,636,515	\$9,950.01
NOTES: Reported by the Appleton Police Dept. Duration is based on neighbor reports of hearing noises all night in her house.								
1733 N. Division St.	281409	CIP	6"	1950's	1/16" Crack	8 Hours	87,445	\$531.67
NOTES: Reported in by Police Dept. Duration is based on time of call and 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.

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