

WATER MAIN BREAK/ JOINT LEAK REPORT - DECEMBER

YEARLY WATER MAIN BREAK COMPARISON

<u>MONTH 19</u>	<u>MONTH 20</u>	<u>YTD 19</u>	<u>YTD 20</u>
15	27	100	105

LOCATION	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
2011 N. Nicholas St.	279050	CIP	8"	1963	3/16" Crack	8 Hours	334,227	\$2,032.10
NOTES: Break was found as water was in the road and the duration is based on soil saturation.								
1819 E. Witzle Blvd.	279055	CIP	8"	1971	1/128" Crack 8" Split	36 Days	590,976	\$3,593.13
NOTES: Correlator found the break during routine work. Duration was based from the last time hydrant was tested.								
1117 N. Briarcliff Dr.	279099	CIP	8"	1964	1/16" Crack	12 Hours	182,236	\$1,107.99
NOTES: Resident called in water bubbling in road. Duration is based on soil saturation.								
1617 W. Pine St.	279118	CIP	6"	1953	3" Hole	5 Hours	407,716	\$2,478.91
NOTES: Water in the road was called in. Duration is based on soil saturation and time of call.								

**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**
931 E. Florida Ave.	279117	CIP	8"	1969	1/32" Crack	4 Hours	33,290	\$202.40
NOTES: Police Dept. called in water bubbling out of terrace. Duration based on time of call.								
1233 E. Pauline St.	279145	CIP	8"	1964	4" Hole	6 Hours	1,067,658	\$6,491.36
NOTES: Break reported by Appleton Police Dept. Duration is based on soil saturation.								
E. Harrison St. & S. East St.	279150	CIP	6"	1946	1/16" Crack	4 Hours	40,772	\$247.89
NOTES: Water bubbling into the road was called in by resident.								
812 E. Glendale Ave.	279153	CIP	8"	1952	3" Hole	5 Hours	407,716	\$2,478.91
NOTES: Break reported by Appleton Police Dept. Duration is based on soil saturation.								
812 E. Glendale Ave.	279153	CIP	8"	1952	2" Hole	5 Hours	181,207	\$1,101.74
NOTES: Break reported by Appleton Police Dept. Duration is based on soil saturation. Believe break happened same time as first one was repaired but didn't know until water was back on.								
S. Pierce Ave. - 700 Block	279156	CIP	6"	1927	1" Crack	5 Hours	773,586	\$4,703.40
NOTES: Break was reported by Appleton Police Dept. for water bubbling in the road. Duration is based on soil saturation.								

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S. Pierce Ave. - 700 Block	279156	CIP	6"	1927	1/16" Crack	2 Hours	19,340	\$117.59
NOTES: Broke after turning the water back on from the previous break.								
701 E. Taft Ave.	279201	CIP	8"	1963	1/16" Crack	5 Hours	69,631	\$423.36
NOTES: Break was found as water was in the road and the duration is based on soil saturation.								
910 E. Florida Ave.	279376	CIP	8"	1969	1/16"	4 Hours	60,779	\$369.54
NOTES: Water bubbling into the road was called in by resident.								
907 E. Pacific St.	279450	CIP	8"	Pre 1930	45" x 1/4" Split	8 Hours	921,590	\$5,603.27
NOTES: Break was reported by Appleton Police Dept. for water bubbling in the road. Duration is based on soil saturation.								
119 Northbreeze Dr.	279451	DIP	8"	1978	6" Hole	5 Hours	1,859,469	\$11,305.57
NOTES: Water bubbling into road was called in by resident. Duration based on soil saturation.								
1610 S. Lee St.	279449	CIP	8"	1970	1/16" Crack	10 Hours	151,947	\$923.84
NOTES: Break was reported by Appleton Police Dept. for water in the road. APD originally called and thought it might be snow melting, called again later to report it. Duration is based on soil saturation.								

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Atlantic St. & Rankin St.	279597	CIP	6"	1922	1/32" Crack	76 Days	9,749,636	\$59,277.79
NOTES: Found break with Correlator. Duration established from when the hydrant was last tested and based on the super saturated trench. Water was running into storm sewer, never surfaced.								
1019 E. Meadow Grove Blvd.	279534	DIP	12"	1979	4" Hole	4 Hours	579,862	\$3,525.56
NOTES: Break was reported by Appleton Police Dept. for water bubbling in the road.								
802 E. Parkway Blvd.	279632	CIP	8"	1967	3/16" Crack	3 Hours	122,315	\$743.68
NOTES: Water in the road was called in. Duration is based on soil saturation and time of call.								
Taft Ave. & Madison St.	279630	CIP	6"	1956	4" Hole	4 Hours	565,180	\$3,436.29
NOTES: Police Dept. called in break.								
2901 S. Carpenter St.	279677	DIP	8"	1971	3"x1" Split	4 Hours	136,394	\$829.28
NOTES: Water in the road was called in. Duration is based on soil saturation and time of call.								
E. Henry St. & S. Theodore St.	279723	DIP	8"	1972	2" Hole	4 Hours	168,435	\$1,024.08
NOTES: Called in by a Sanitation Operator. Duration is based on time of call.								

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Memorial Dr. & Seymour St.	279728	CIP	8"	1928	1/32" Crack	72 Hours	573,707	\$3,488.14
NOTES: Called in on Friday 12/18/20 but could not locate leak. On 12/20/20 water was bubbling up on the road. Traffic camera shows it was running on and off since 12/17/20.								
509 S. Mathias St.	279850	CIP	8"	1963	1/16" Crack	4 Hours	57,660	\$350.57
NOTES: Break called in by the Police Dept. Duration is based on time of call.								
1524 E. Roeland Ave.	279918	CIP	8"	1964	1/32" Crack	35 Days	6,267,980	\$38,109.32
NOTES: Found break with Correlator. Duration established from when the hydrant was last inspected and based on the soil saturation.								
2515 S. Madison St.	279952	DIP	6"	1972	4 1/2" Hole	6 Hours	1,230,767	\$7,483.06
NOTES: Resident called it in. Duration is based on time of call.								
1310 S. Madison St.	279953	CIP	6"	1929	1/32" Crack	4 Hours	20,386	\$123.95
NOTES: Resident called in water bubbling in road. Duration is based on soil saturation and time of call.								

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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