

## WATER SUMMARY FOR DECEMBER 2017

<b>Work done by Construction Maintenance</b>				
	<u>Dec 16</u>	<u>Dec 17</u>	<u>YTD 16</u>	<u>YTD 17</u>
Hydrants repaired	2	1	40	59
Hydrants replaced	0	0	4	5
Hydrant leaks	0	0	1	2
Valves replaced	0	0	1	4
Valves tested & inspected	99	123	1506	2144
Valves Rebuilt	3	12	26	53
Valve boxes repaired	1	5	54	56
Curb boxes repaired	5	14	154	226
Curb boxes replaced	2	0	23	6
Lead or galvanized replaced	0	0	19	33
New services 1"	2	0	2	0
New services >1"	0	0	1	0
Water main breaks	15	22	92	91
Joint leaks repaired	0	0	0	1
Water quality	1	0	7	10
Service leaks (City side)	1	0	2	3
<b>Work done by Meter Service Team</b>				
	<u>Dec 16</u>	<u>Dec 17</u>	<u>YTD 16</u>	<u>YTD 17</u>
New accounts set with 3/4" or 1"	18	8	164	68
New accounts set with larger meter	0	0	2	9
Meters tested	569	83	9266	5879
Meters failed	17	6	436	179
Meters stalled	0	0	0	3
Service calls	132	99	1408	1389
Final readings	209	282	3827	3858
Read meters - no reading	0	0	5	0
New meters installed	526	153	9573	6098
Exception meters inspected	0	0	0	0
Exception meters removed	0	0	0	0
Service leaks found	3	4	32	34
Cross connection inspections	555	132	8977	5865

**WATER MAIN BREAK/JOINT LEAK REPORT DECEMBER  
2017**

LOCATION	Work Order	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	ESTIMATED DOLLAR VALUE OF WATER REVENUE LOSS**
1025 W. Roberts Avenue	234088	CIP	8"	1966	1/8" crack	4 hours	101,702	\$618.64
Newberry Street/ Kensington Drive	234096	CIP	12"	1967	5/32" crack	6 hours	341,880	\$2,079.62
2535 S. Walden Avenue	234097	CIP	8"	1964	1/16" crack	4 hours	60,779	\$369.71
227 E. Greenfield Street	234254	CIP	6"	Unknown	1/16" crack	4 hours	45,584	\$277.28
Capitol Drive/ Rankin Street	234301	DIP	12"	1967	3" hole	4 hours	334,227	\$2,033.07
Schaefer Street/ Gloria Court	234302	DIP	12"	1979	3" hole	4 hours	364,672	\$2,218.26
919 E. Marquette Street	234490	CIP	6"	1953	1/8" crack	6 hours	136,752	\$831.85
Meade Street/ Evergreen Drive	234491	DIP	12"	1975	4" hole	6 hours	1,065,275	\$6,479.95

\*\*Water loss is calculated at the residential rate of \$4.55 per 100 cubic feet.

**WATER MAIN BREAK/Joint LEAK REPORT DECEMBER  
2017**

LOCATION	Work Order	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	ESTIMATED DOLLAR VALUE OF WATER REVENUE LOSS**
2108 E. Emmers Drive	234600	CIP	8"	1965	1/8" crack	4 hours	123,965	\$754.07
1812 N. Birchwood Avenue	234637	CIP	8"	1961	3" hole	4 hours	364,672	\$2,218.26
1812 N. Birchwood Avenue	234637	CIP	8"	1961	1/16" crack	8 hours	121,557	\$739.42
2801 W. Second Street	234832	CIP	8"	1968	1/4" crack	8 hours	486,229	\$2,957.68
517 N. Canterbury Drive	235014	CIP	8"	1967	1/4" crack	4 hours	243,115	\$1,478.84
334 E. Randall Street	235045	CIP	6"	1920	1/8" crack	4 hours	91,168	\$554.56
620 W. Fifth Street	235054	CIP	12"	1963	1/16" crack	4 hours	87,445	\$531.92
1700 Blk. W. Eighth Street	235056	CIP	6"	1945	1/32" crack	5 hours	56,980	\$346.60
619 E. Greenfield Street	235057	CIP	8"	1961	1/8" crack	4 hours	108,724	\$661.36
801 W. Parkway Boulevard	235079	CIP	8"	1954	1/16" crack	3 hours	45,584	\$277.28

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LOCATION	Work Order	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	ESTIMATED DOLLAR VALUE OF WATER REVENUE LOSS**
1619 E. Calumet Street	235130	CIP	12"	1965	3/16" crack	13 hours	888,888	\$5,407.01
717 N. Bay Ridge Road	235141	CIP	8"	1969	1/8" crack	4 hours	121,557	\$739.42
1609 S. Orchard Drive	235165	CIP	6"	1958	1/32" crack	21 hours	107,025	\$651.02
Carpenter Street/ Dennison Street	235264	CIP	6"	1946	1/32" crack	12 hours	61,157	\$372.01
								\$0.00
								\$0.00
								\$0.00
								\$0.00
								\$0.00
								\$0.00

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**WATER MAIN BREAK/JOINT LEAK DATA LOG DECEMBER  
2017**

Leak Location	Arterial, Collector, Freeway, Local	Type of Street Concrete/Asphalt	Major Break Minor Break	Catch Basin Draining Yes/No	Date/Time	Comments
1025 W. Roberts Avenue	Local	Asphalt	Minor	Yes 200' away	12/1/2017 10:00 a.m. Friday	Repaired during normal work hours.
Newberry Street/ Kensington Drive	Collector	Asphalt	Major	Yes 200' away	12/2/2017 10:00 p.m. Saturday	Repaired right away to prevent water loss and property damage.
2535 S. Walden Avenue	Local	Concrete	Major	Yes 100' away	12/3/2017 7:00 a.m. Sunday	Repaired right away to prevent water loss and property damage.
227 E. Greenfield Street	Local	Concrete	Major	Yes 100' away	12/4/2017 9:00 p.m. Monday	Repaired right away to prevent water loss and property damage.
Capitol Drive/ Rankin Street	Collector	Concrete	Major	Yes 300' away	12/6/2017 9:00 a.m. Wednesday	Repaired during normal work hours.
Schaefer Street/ Gloria Court	Collector	Concrete	Major	Yes 200' away	12/6/2017 11:00 a.m. Wednesday	Repaired during normal work hours.

**WATER MAIN BREAK/JOINT LEAK DATA LOG DECEMBER  
2017**

Leak Location	Arterial, Collector, Freeway, Local	Type of Street Concrete/Asphalt	Major Break Minor Break	Catch Basin Draining Yes/No	Date/Time	Comments
919 E. Marquette Street	Local	Asphalt	Major	Yes 50' away	12/9/2017 8:00 a.m. Saturday	Repaired right away because it was creating icy road conditions and to prevent further water loss.
Meade Street/ Evergreen Drive	Arterial	Concrete	Major	Yes 50' away	12/9/2017 9:00 a.m. Saturday	Repaired right away. There was a lot of water creating a muddy mess.
2108 E. Emmers Drive	Local	Concrete	Major	Yes 150' away	12/12/2017 5:00 a.m. Tuesday	Repaired during normal work hours.
1812 N. Birchwood Avenue	Local	Concrete	Major	Yes 75' away	12/12/2017 4:00 p.m. Tuesday	Repaired right away. This was the first of two breaks within the same hole at different times.
1812 N. Birchwood Avenue	Local	Concrete	Major	Yes 75' away	12/12/2017 10:00 p.m. Tuesday	Repaired right away. This was the second of two breaks in the same hole. A new crew had to be called in because the first group was at the limit for hours.
2801 W. Second Street	Local	Concrete	Major	Yes 25' away	12/16/2017 8:00 a.m. Saturday	Repaired right away to prevent water loss and property damage.

**WATER MAIN BREAK/JOINT LEAK DATA LOG DECEMBER  
2017**

Leak Location	Arterial, Collector, Freeway, Local	Type of Street Concrete/Asphalt	Major Break Minor Break	Catch Basin Draining Yes/No	Date/Time	Comments
517 N. Canterbury Drive	Local	Concrete	Minor	Yes 100' away	12/20/2017 9:00 a.m. Wednesday	Repaired during normal work hours.
334 E. Randall Street	Collector	Concrete	Minor	Yes 50' away	12/21/2017 9:00 a.m. Thursday	Repaired during normal work hours.
620 W. Fifth Street	Local	Terrace	Major	Yes 100' away	12/23/2017 12:00 a.m. Saturday	Repaired right away to prevent water loss and property damage.
1700 Blk W. Eighth Street	Local	Concrete	Major	Yes 125' away	12/24/2017 5:00 a.m. Sunday	Repaired right away to prevent water loss and property damage.
619 E. Greenfield Street	Local	Concrete	Major	Yes 25' away	12/25/2017 10:00 a.m. Monday	Repaired right away due to property damage.
801 W. Parkway Boulevard	Local	Asphalt	Major	Yes 50' away	12/26/2017 8:00 a.m. Tuesday	Repaired during normal work hours.

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Leak Location	Arterial, Collector, Freeway, Local	Type of Street Concrete/Asphalt	Major Break Minor Break	Catch Basin Draining Yes/No	Date/Time	Comments
1619 E. Calumet Street	Arterial	Concrete	Major	Yes 200' away	12/26/2017 7:00 p.m. Tuesday	Repaired right away. Water was not coming to the surface and was running into the underground sewer. Water was coming up into a resident's basement.
717 N. Bay Ridge Road	Local	Concrete	Major	Yes 50' away	12/27/2017 7:00 a.m. Wednesday	Repaired during normal work hours.
1609 S. Orchard Drive	Local	Concrete	Minor	Yes 10' away	12/27/2017 12:00 p.m. Wednesday	This break was identified after hours due to ice build up. Let run until the next morning and repaired during normal work hours.
Carpenter Street/ Dennison Street	Collector	Asphalt	Minor	Yes 20' away	12/29/2017 12:00 p.m. Friday	Repaired right away to prevent water loss and property damage.