



## MEMORANDUM

**TO:** Mayor Diane Wolfe Marlin and Members of the City Council  
**FROM:** William R. Gray, Public Works Director  
Bradley M. Bennett, Assistant City Engineer  
Justin M. Swinford, Civil Engineer II

**DATE:** February 22, 2018  
**RE:** 2017 Sewer Activity Report Summary

### Action Requested

This summary of the 2017 Sewer Activity Report prepared by the Public Works Department is presented for your reference. The full report is available at [http://urbanaillinois.us/Sanitary\\_Sewer\\_System](http://urbanaillinois.us/Sanitary_Sewer_System) on the City website. The report summary is for informational purposes only and no Council action is required.

### Background and Facts

The City of Urbana owns, operates and maintains over 102 miles of sanitary sewer and 143 miles of storm sewer. Each year the City performs activities including cleaning, inspections, repairs, and replacements to keep the sewer systems functioning at their optimal capacities.

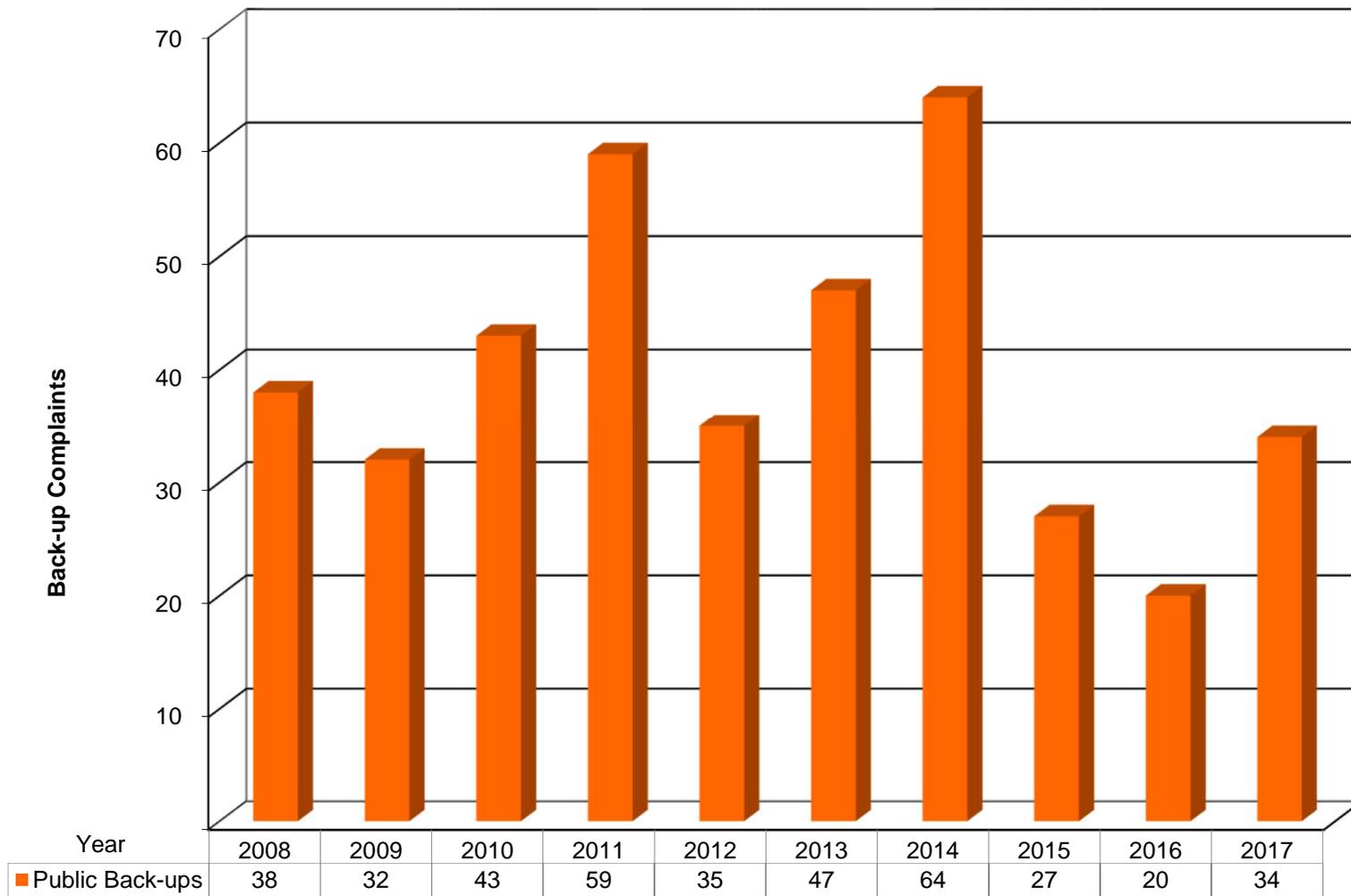
The Engineering Division coordinates repairs, improvements, and evaluations of the storm and sanitary sewer systems. The 2017 Green Street Sanitary Sewer Extension, 2017 Sewer Lining Project, and 2016 Storm Sewer Cleaning and Televising Project were all completed in the 2017 calendar year. Sewer repairs were carried out via the 2016-2018 Miscellaneous Sewer Repair Contract throughout the year as well. The contract for the Smith Road Sanitary Sewer Extension was designed and awarded in 2017, for construction to be completed in spring 2018.

The City's Sewer Crew is responsible for carrying out routine maintenance of the sanitary sewers and responding to calls of sewer back-ups. In 2017, the Sewer Crew cleaned over 70,000 feet of sanitary sewers and responded to 68 back-up complaints.

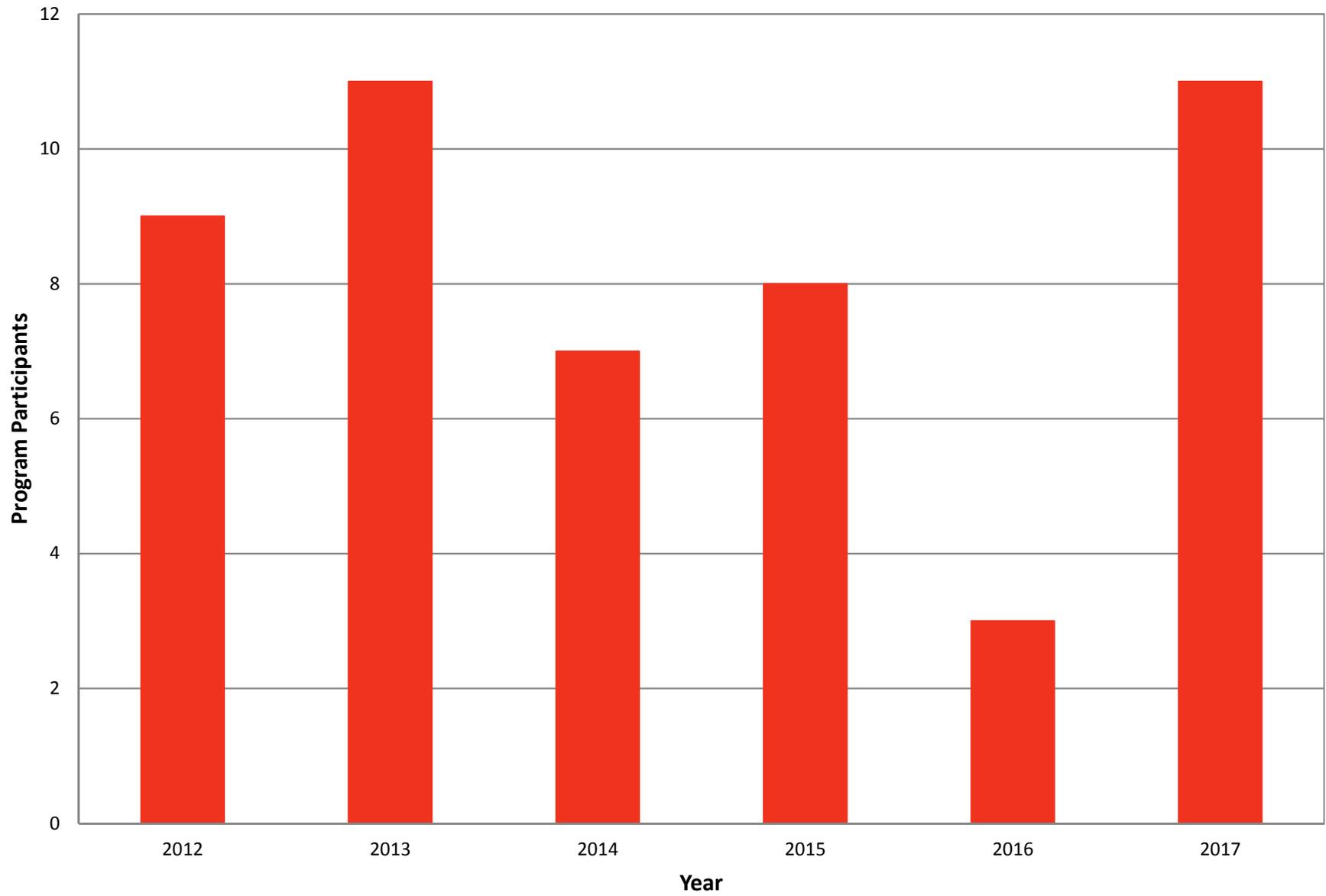
A summary of the sewer related activities completed by the Public Works Department in 2017 is presented in the table below. Figure 1 shows a ten-year history of sewer back-ups that occur in the City sewer mains. Figure 2 presents a history of participation in the Sanitary Sewer Lateral Pavement Reimbursement Program.

## 2017 SEWER ACTIVITY SUMMARY TABLE

	Quantity	Comments
<b>Rehabilitation Activities:</b>		
Sanitary Sewer Pipe Point Repairs	62 lf.	
Sanitary Sewer Manhole Repairs	10 ea.	
New Sanitary Sewer Manhole Construction	2 ea.	
Storm Sewer Point Repairs	45 lf.	
Storm Sewer Manhole/Inlet Repairs	21 ea.	
New Storm Sewer Manhole/Inlet Construction	12 ea.	
Sanitary Sewer Full Length Lining	5,778 lf.	
Storm Sewer Full Length Lining	1,447 lf.	
<b>Maintenance Activities:</b>		
Sanitary Sewer Cleaning	70,450 lf.	
Storm Sewer Cleaning	32,426 lf.	
Sanitary Sewer Television Inspection	11,371 lf.	
Storm Sewer Television Inspection	30,232 lf.	
Inlet and Manhole Cleaning	216 hrs.	
Chemical Grease Treatment	29,328 lf.	Included in sewer cleaning totals
Mechanical Root Treatment	570 lf.	
<b>Sanitary Sewer Blockages:</b>		
In Private Service Lines	34 ea.	
In City Owned Mains	34 ea.	
<b>Sanitary Sewer Surcharges:</b>		
Reports of Sanitary Sewer Surcharges	16 ea.	
<b>Storm and Sanitary Sewer Programs:</b>		
Overhead Sewer Program	0 ea.	
Illicit Connections & Discharges	1 ea.	
Pavement Reimbursement Program	11 ea.	\$41,047.92 in reimbursements
Hazardous Sump Pump Discharge Elimination	2 ea.	2 corrected in 2017
Private to Public Sewer Conversion	1 ea.	



**Figure 1**  
**Public Sanitary Sewer Back-Up Complaint History 2008-2017**



**Figure 2**  
**Sewer Lateral Pavement Reimbursement Program**