

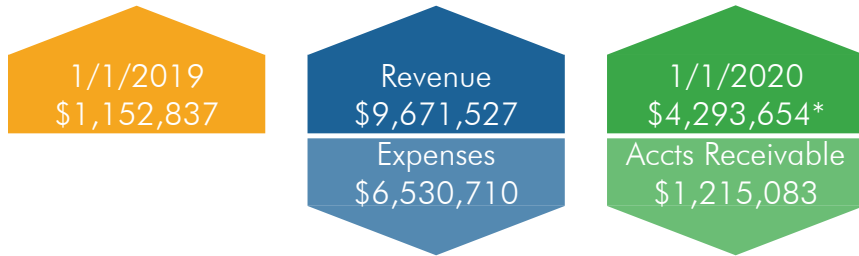


# 2019 STORMWATER UTILITY SNAPSHOT

The 2019 calendar year was the first complete year of Peoria's Stormwater Utility. The utility has allowed the City Public Works Department to:

- Clean, inspect, and repair the storm drainage system
- Reconstruct failed storm sewers, culverts, and drainage channels
- Sweep public streets and maintain public grounds
- Sample and test water quality of streams
- Evaluate system condition and plan system improvements
- Purchase equipment and computer systems
- Issue fee credits and grants to customers for best management practices

## ACCOUNT FUND BALANCE



\*Fund balance provides financial stability for future systems needs

## STORM WATER UTILITY CUSTOMERS

Invoices are sent to about 46,300 customers three times per year. Each month, approximately 15,500 customers receive a quarterly bill.

**88% of the invoiced amount was received in 2019.**

## NPDES PERMIT COMPLIANCE

### Public Engagement:



- PeoriaStormwater.com
- Distributed Printed Materials
- Two Stormwater Management Presentations
- Info Booth at Three Public Events

### Pollutant Control Measures:



- Grants for Private Property Green Infrastructure
- Storm Sewer Outfall Inspections
- Erosion Control Ordinance
- Volume Control Ordinance
- Pollution Prevention Practices Training for City Staff

### Water Quality Monitoring:

4 sample locations tested 4 times per year for 7 pollutants



Implement Further Testing of runoff in response to USEPA Total Maximum Daily Load (TMDL) Study

### Annual Reporting:



- Asset Management System to track issues, repairs, & attributes
- Annual Facility Inspection Report prepared & submitted to IEPA

## PEORIACORPS PROGRAM

**Green Infrastructure Job Training:** Leadership & job training program where participants receive training about green infrastructure maintenance needs & how these systems manage stormwater.

## SWU ADMINISTRATION

### Costs to Administer the Stormwater Utility:

- Billing & Accounting
- Customer Service
- Credit & Grant Programs

## ASSET INVENTORY WORK



Mapping the storm sewer system continued in 2019

33.4 mi<sup>2</sup> of the City are mapped  
130 mi of pipe surveyed to date



Annual investigation of storm sewer outfalls are monitored for illicit discharges

## ASSET MAINTENANCE

### Storm Sewer Pipes:



25,360 feet of pipe inspected and rated by TV Inspection

### Pipes, Inlets, & Headwalls:



4,100 hours of staff time cleaning and repairing pipes

### Grounds Maintenance:



\$153,454 spent mowing vacant lots, weed control, mulch installation, & green infrastructure maintenance



### Peoria Street Sweeping:



Streets were swept 7 times, 8,600 hours of staff time, and 970 tons of debris removed & hauled to landfill



## COMMUNITY INVESTMENT PLAN

### Retaining Wall at Humbolt Ave & Prospect Rd:

Engineering Design Completed  
Construction Postponed due to COVID-19



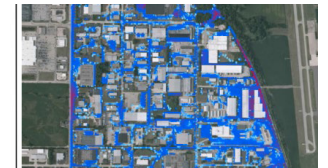
### Three Drainage Culvert Replacements at Teton Dr:

Construction Completed



### Watershed Study:

Pioneer Industrial Park - \$36,400 fee



### Fleet & Equipment:



1 Street Sweeper + minor equipment needs



### Computers/Software:

\$546,000 invested in Tyler Technologies software

### Annual Drainage Repair Program:



16 Repair sites  
Totaling \$497,609



1,655 ft Storm sewer lined  
Totaling \$149,172

## CREDIT PROGRAM

### Volume Reduction Credits:

\$2,242/year in credits for 8 properties

2" of rainfall on 8.1 acres of impervious surface is captured and infiltrated

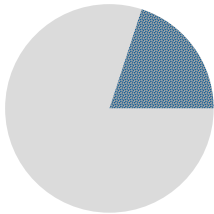


### Water Quality Credits:

\$968 CREDITS



\$968/year in credits for 1 property



80% of sediment removed from runoff produced by 17 acres of impervious surface

### Flowrate Reduction Credits:

\$9,181/year in credits for 5 properties  
4 sites managing the 100 year storm  
1 site managing the 25 year storm

\$9,181 CREDITS



## GRANT PROGRAM

### Rain Barrels:

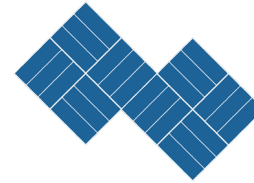
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barrels added



\$3,500 in grants to 46 property owners

### Green Infrastructure:



2 Properties installed pervious pavement  
\$16,685 grant total

### Private Property Drainage Assistance:



31 properties accepted  
\$160,911 grant total

Excerpt from a SWU Ratepayer letter received in October 2019:

"I just want to let you know that the new 'rain tax' means more to me now than it did when first proposed... Since I've had wash-out problems on my side of the road, I drove to your office and asked that, while the sunken drain was being repaired, the one on the other side of the street be looked at also... I was impressed with the speed this happened... not only do I have a better understanding of why we are paying for storm water infrastructure, but that I totally appreciate how all of this was handled."