



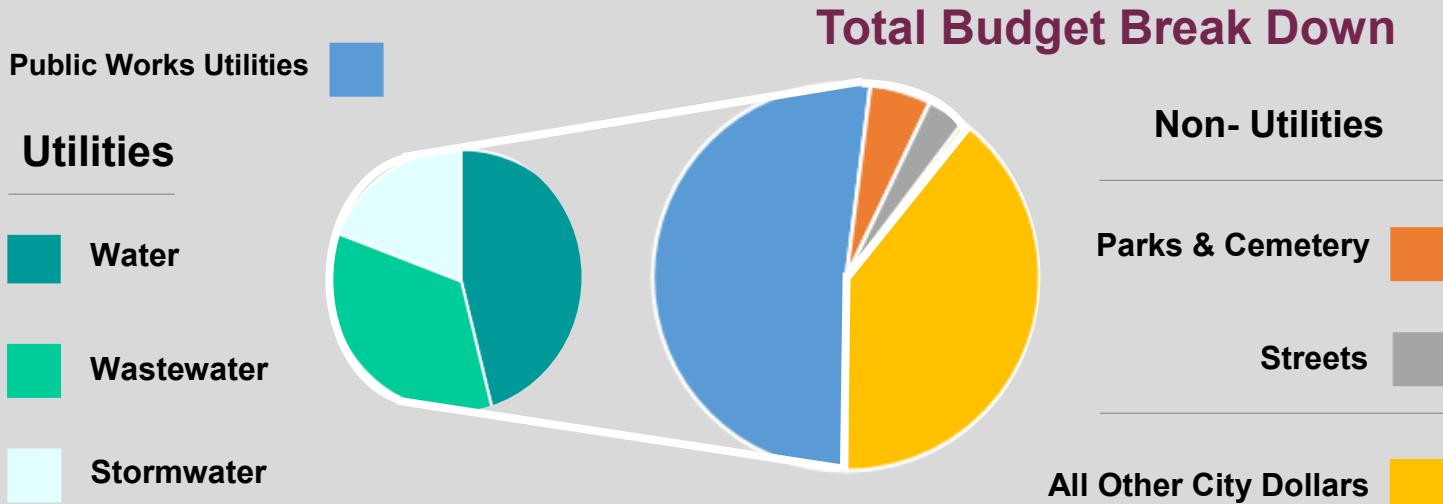
# Public Works Annual Report 2017



*Washougal will be a safe, healthy and economically vibrant community that balances growth and expanding opportunity while preserving the best qualities of small-town living*

# Public Works

The Public Works Department prides itself on delivering cost-effective core services to the Washougal community. The department includes Water, Wastewater, Stormwater, Parks, Cemetery, Streets, Fleet, and Facilities Maintenance. Each division in the department continues to keep cost increases to a minimum by consistently enhancing efficiencies in operations, seeking grant funding, and developing interlocal cooperation with other agencies. The department is also funded through fees, such as utility connections and bi-monthly utility bills.

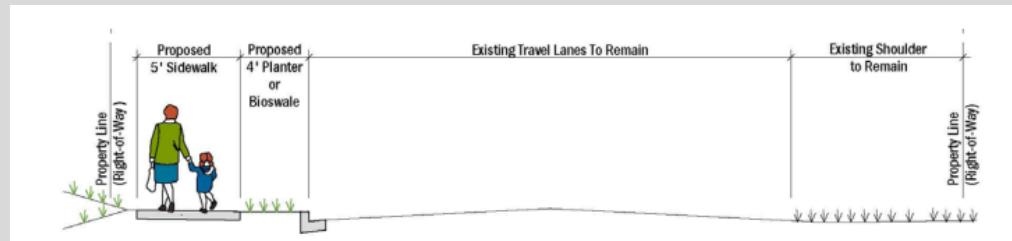


## Accomplishments for 2017

- Gause Safe Routes to School - 34th Street Sidewalks added
- Town Center Transportation Plan\*
- Maintained Current Pavement Condition Index (PCI) Levels
- Received Outstanding Performance Award in Wastewater Treatment for the 6th year in a row
- 39th & Evergreen Realignment Design Concepts.
- Sidewalks added on Evergreen Way from 34th to 36th
- Sunset View Culvert Improvements
- Wastewater Lab & Office Expansion
- Reservoirs 1A & 1B Refurbished & Repaired
- 34th Street Waterline Replacement
- Community Center Assessment and Feasibility Study
- Columbia River Trail Design
- George Schmid Memorial Fields Design

# Gause Safe Routes to School

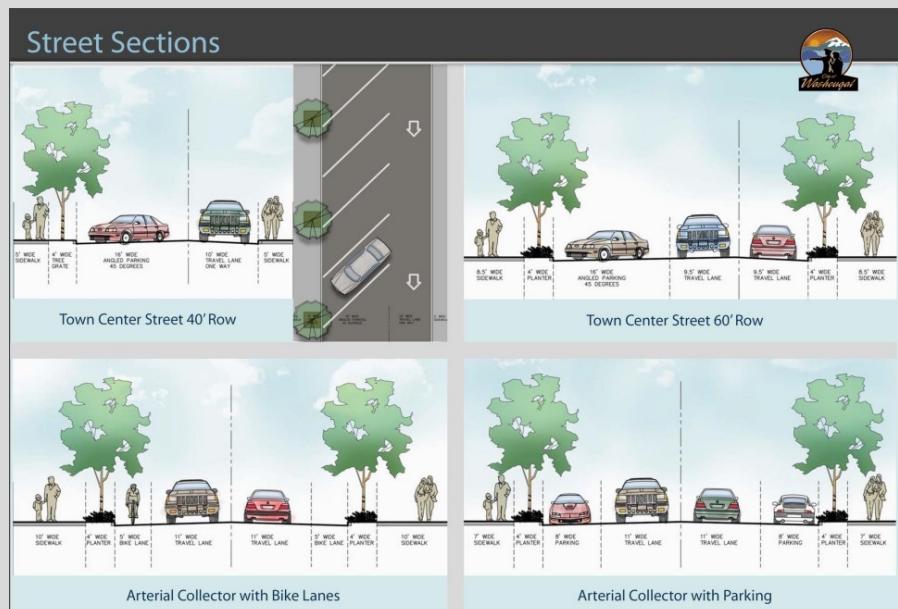
The surface improvements made in the Gause Safe Routes to Schools Project created a crucial pedestrian connection from Gause Elementary School and Washougal High School to Evergreen Way, connecting pedestrians to the Evergreen Marketplace and E Street Corridor. Additionally, staff was able to address substandard water mains and bring them up to current standards, providing enhanced fire flow and operational resiliency for this portion of the water distribution system. This specific project was funded in part by the Safe Routes To School Program administered by the Washington State Department of Transportation.



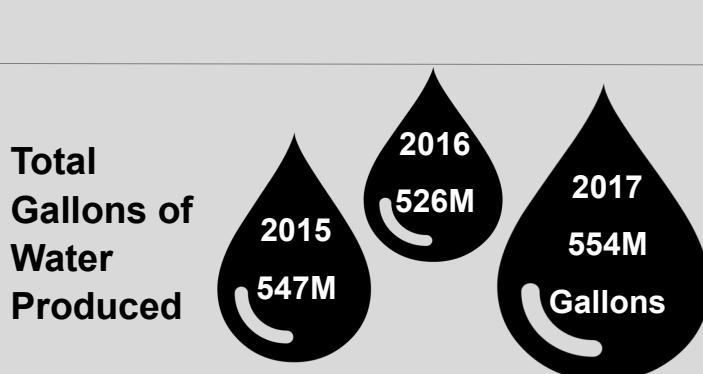
Artists' rendition of sidewalk plans. Taken from 2017 - 34th Street Safe Routes to Schools Sidewalk Project - Information for Property Owners. Documents are available on the City's website. Click [HERE](#).

# Town Center Transportation Plan

This plan was funded by a grant from the Community Economic Revitalization Board and the City of Washougal to aid in developing a street grid in the downtown area between Washougal River Road and 32nd Street and SR-14 up to E Street. This area is also where the City expects significant job growth and residential growth. The street grid was laid out to allow thoughtful development of both job creation and mixed use commercial/residential buildings. The City is actively pursuing funding to build some of the road networks to become the backbone of the new development which will occur over the next 20 years.



Artists' rendition of street sections. Taken from 2017 Town Center Transportation & Infrastructure Study. Documents are available on the City's website. Click [Here](#).



**100% of Bacteriological Water**

Quality Tests Have Come Back **CLEAN**



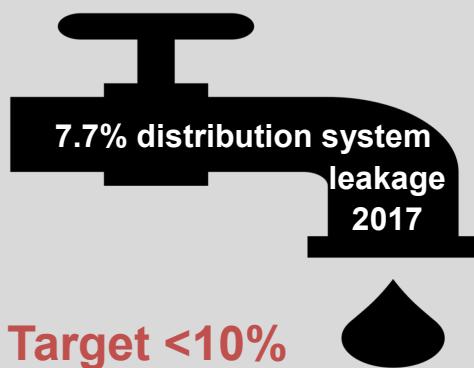
Staff repairing a water main leak.

# Water

2017 water production is in line with current city growth trends. 2016 was an unusually low water use year. As the City's population increases so will water demand. The department has met its target of staying below 10% distribution system leakage and maintains a nine-year rolling average of 5.9%. In 2017 the City experienced more main breaks than are normally encountered. In response to this need, the City has invested in replacing the water main from E Street to G Street, 20th to 23rd.



**5.9% -  
9 Year  
Rolling  
Average**



**Target <10%**

**Main Breaks Fixed**

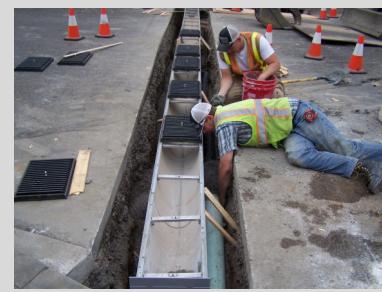
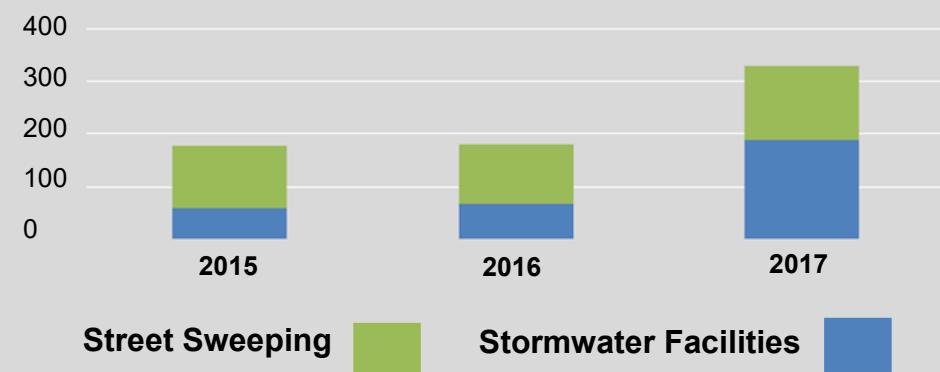
**5 - 2016**

**28 - 2017**

## Stormwater

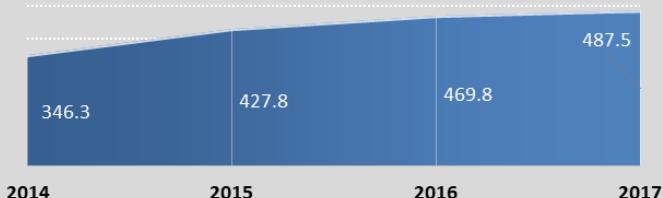
A number of factors contributed to the uptick in debris removal from both street sweeping and stormwater facilities, including effects from the increased need to clear debris due to inclement weather, scheduled maintenance that had previously been delayed, and the addition of a new decant facility that went online in late 2016.

### Annual Debris Removed (cubic feet)



(Left) The new decant facility.  
(Right) Drainage project

## Total Influent Flow Wastewater Treated Annually (million gallons)



## Wastewater

Overall water use throughout the City is increasing. This correlates to the increase in wastewater treatment for 2017. Even with the increase in treated water, the department was able to maintain its goal of **ZERO sewer overflows**.

In order to help prevent sewer blockages the department acquired a new wastewater truck equipped with a closed circuit T.V. system. **The addition of this new tool will help the department take a step towards achieving its ambitious manhole inspection goal.**



*Staff using inspection camera to look at a customers line.*



*A 13ft, 200lb root-ball from a nearby street-tree removed from a manhole at Washougal River Road & A Street. The root was discovered during a routine manhole inspection.*

In 2017, the wastewater treatment plant was also able to **recycle 5% of the treated water** produced at the plant, decreasing the amount of freshwater that would have been used for plant operations.



*Recycled water pump that was re-installed after maintenance*

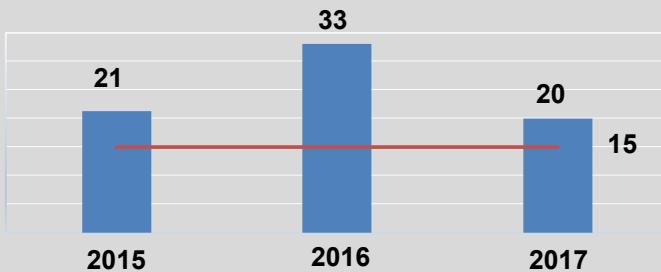
# Parks & Cemetery

Community	2015	2016	2017
Volunteers	78	186	46

In 2016, the department saw tremendous support in the construction of the update to Hamllik Park with the addition of BMX bike features. While 2017 did not hold the same need for volunteers, the City appreciates all of its wonderful volunteers and is working to offer more opportunities for the community to get involved!

**Click [HERE](#) to view our current volunteer opportunities.**

## Full Playground Inspections



*\*1 Full inspection includes all 8 city playgrounds.*



*Steamboat Landing.*



*Hamllik Bike Park—Bike trails.*



*Upper Hathaway Park playground.*

Early in 2017, the City experienced a severe cold front bringing snow and ice. The weather event resulted in the dock at Steamboat Landing Park, being broken into three pieces. Due to the major damages, the dock has remained closed throughout 2017. Repairs are scheduled for late 2018 through early 2019.

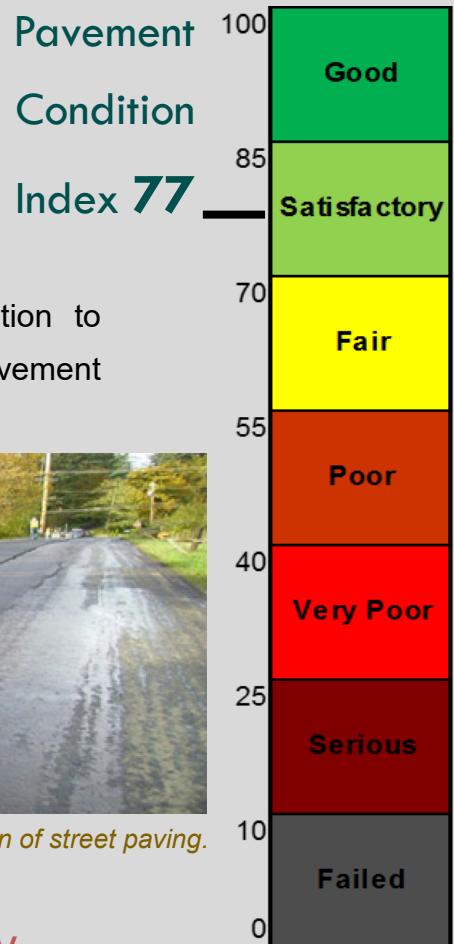
# Streets

The mission of the Street Department is to preserve and maintain the community's investment in over 150 lane miles of roads, sidewalks, drainage systems, bridges, signs, vegetation and rights-of-way.

The Pavement Condition Index is used to indicate the general condition of paved areas. The department uses index information to determine when and what type of treatment each section of pavement needs. Not all sections of pavement need the same type of treatment, which means levels of treatment types vary from year to year. **The overall goal of the City is to maintain a satisfactory rating.**

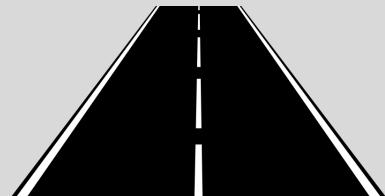


*Photo taken of street paving.*



	2016	2017
Square Yards of Chip/ Fog Seal	28,247	21,870
Square Yards of Type 2 Slurry Seal	81,500	101,374
Hot Mix Asphalt on Grind/Inlay (Tons)	72	1,159

**33% Of City  
Streets Received  
Crack Seal**



## Infrastructure Maintained

**32 Full Time Equivalent Employees**

**7 Reservoirs**



**6 Well Heads**



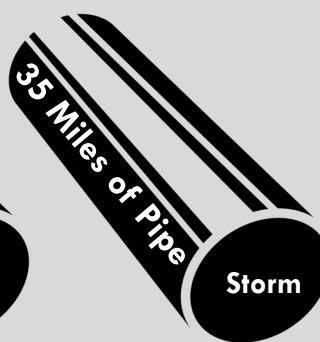
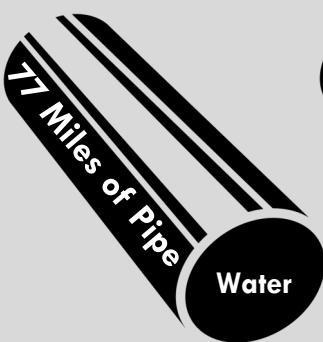
**125 Drywells**

**1635 Catch Basins**

**3 Booster Stations**

**67.6 Miles of City Streets**

**93.43 Acres  
of Parks**



# Community Strategic Pillars

## Communication

Provide open and accountable city government through effective communication to foster active citizen participation.

## Community engagement

Support and promote opportunities for community engagement to build a sense of community and preserve our small-town feel.

## Core services

Provide effective leadership to ensure that Washougal residents receive quality, cost-effective municipal services.

## Economic development

Build a solid economic foundation to ensure a strong, diverse and sustainable local economy.



## Goals for 2018

- Well #1 Replacement Completion
- Automated Metering Infrastructure
- 22nd Street Water Line Replacement
- K Street Water Line Replacement
- Complete Implementation of New Cemetery Software
- Columbia River Trail Construction
- Complete 32nd & Evergreen Intersection Improvements
- Index / 27th Street Reconstruct
- Jemtegaard Trail Safe Routes to School – Sunset View Road
- Complete Sidewalks on Evergreen 36th to 39th Streets
- K Street Sidewalks 32nd to 34th (CDBG Grant)



**Molly Coston,**  
Mayor

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