Maintenance and Operations—River Systems

The Pierce County Flood Control Zone District invests 15 percent of its annual budget in the operation and maintenance of Pierce County's flood risk reduction facilities. In 2016, nearly $1.2 million was provided to Pierce County to repair and improve levees and revetments along rivers. The balance of maintenance and operation expenditures is funded by stormwater fees paid by property owners in unincorporated Pierce County.

The annual cost of maintaining these flood risk reduction facilities is based on preventative maintenance and in response to damage from weather events. The annual costs can be as low as $3.2 million or as high as $5.25 million, with an average expenditure being approximately $3 million. In 2016, the Pierce County river levee maintenance and operations budget was anticipated to be $4.6 million. In addition, Pierce County is working on a System Wide Improvement Framework Plan (SWIF). The plan will guide maintenance practices and action plans on specific Pierce County levees over the next 20 years. For more information on the SWIF, visit piercecountywa.org/swif.

Pierce County operates and maintains over 69 miles of levees and revetments along four major rivers: Puyallup, White, Carbon and Nisqually. Maintaining a consistent level of flood protection requires an annual program of repairs, rehabilitation, vegetation control and access maintenance. Providing consistent and reliable maintenance is vital to an effective system of flood risk reduction facilities and in remaining eligible for federal assistance.







Flood Control Zone District

2016 Maintenance & Operations Investment

Pierce County
Public Works

By The Numbers:

2016 Pierce County Maintenance & Operations—River Systems

Maintenance and operations includes costs associated with the Orting Quarry, the flood warning system, maintenance of river flow gauges, vegetation management along levees, and the associated administration, planning and permitting costs. Fourteen maintenance projects were completed during 2016 at a projected cost of $3.2 million. More than 3,000 lineal feet of levee and revetment were repaired.

River & Location	Problem	Repair
Carbon 4.2, LB - SR 162/ Pierce County Trail	Levee Face/Toe Rehabilitation	20 lineal feet
Carbon 4.2, LB - SR 162/ Pierce County Trail	Levee Face/Toe Rehabilitation	80 lineal feet
Carbon 4.3, LB - SR 162/ Pierce County Trail	Levee Face/Toe Rehabilitation	50 lineal feet
Carbon 5.2, LB - SR 162/ Pierce County Trail	Levee Face/Toe Rehabilitation	40 lineal feet
Carbon 6.45, LB - Middle Alward Road	Levee Face/Toe Rehabilitation	150 lineal feet
Carbon 6.55, LB - Middle Alward Road	Levee Face/Toe Rehabilitation	200 lineal feet
Carbon 8.2, LB - Upper Alward Road	Levee Face/Toe Rehabilitation	150 lineal feet
Carbon 0.8, RB - SR 162 City of Orting	Levee Face/Toe Rehabilitation	200 lineal feet
Carbon 6.25, RB - SR 162/Ski Park	Levee Face/Toe Rehabilitation	180 lineal feet
Carbon 6.8, RB - SR 162/Ski Park	Levee Face/Toe Rehabilitation	200 lineal feet
Puyallup 12.2, LB - SR 162 Bridge	Revetment Face Toe Rehabilitation	150 lineal feet
Puyallup 19.6, LB - Leach Road	Levee Face/Toe Rehabilitation	150 lineal feet
Puyallup 18.15, RB - Cedars Bend	Levee Face/Toe Rehabilitation	100 lineal feet
Puyallup 18.25, RB - Cedars Bend	Levee Face/Toe Rehabilitation	160 lineal feet
Puyallup 19.4, RB - High Cedars Golf Course	Levee Face/Toe Rehabilitation	250 lineal feet
Puyallup 21.0, LB - Leach Road	Emergency Repair	75 lineal feet
Puyallup 23.2, LB - Upstream of Soldiers Home	Emergency Repair	100 lineal feet
Puyallup 24.7, RB - Orville Road	Emergency Repair	400 lineal feet
Puyallup 28.2, LB - Orville Road/Champion Bridge	Emergency Repair	450 lineal feet
Carbon 6.4, LB - Middle Alward Road	Emergency Repair	100 lineal feet
RM = River Mile; the distance in miles along a river from its mouth		**Total = 3,205**

Flood Control Zone District

Maintenance & Operations Investment

Pierce County
Public Works