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 2017, more than $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 2017, the Pierce County river levee maintenance and operations budget was anticipated to be more than $4.1 million.

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

2017 Maintenance & Operations Investment

Pierce County

By The Numbers:

2017 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. Twelve maintenance projects were completed during 2017 at a projected cost of more than $2.6 million. More than 3,100 lineal feet of levee and revetment were repaired.

River & Location	Problem	Repair
Carbon 1.2, LB - SR 162/ Pierce County Trail	Levee Face/Toe Rehabilitation	180 lineal feet
Carbon 2.7, LB - SR 162/ Pierce County Trail	Levee Face/Toe Rehabilitation	180 lineal feet
Carbon 6.2, LB - SR 162/ Pierce County Trail	Levee Rehabilitation	478 lineal feet
Puyallup 22.8, LB - south of Albert Bell Road East	Levee Face/Toe Rehabilitation	900 lineal feet
Puyallup 9.35, RB - east of SR 512	Revetment/Outfall Rehabilitation	200 lineal feet
Puyallup 11.2, RB -east of SR 410	Levee Face/Toe Rehabilitation	110 lineal feet
Puyallup 18.77, RB - High Cedars Golf Course	Levee Face/Toe Rehabilitation	50 lineal feet
Puyallup 20.2, LB - Leach Road East	Levee Face/Toe Rehabilitation	75 lineal feet
Puyallup 20.7, LB - Leach Road East	Levee Face/Toe Rehabilitation	100 lineal feet
Puyallup 26.65, RB - near Neadham Road	Levee Face/Toe Rehabilitation	125 lineal feet
Nisqually 64.77, RB - 300 feet in National Park & 90 feet downstream of park	Levee Repair/Revetment Rehabilitation	390 lineal feet
		Total = 3,108

RM = River Mile; the distance in miles along a river from its mouth
LB = Left Bank; if you are facing downstream
RB = Right Bank; if you are facing downstream

Flood Control Zone District

Maintenance & Operations Investment

Pierce County