

# Capital Improvement Program

<b>TOPIC</b>	<b>PAGE</b>
Capital Improvement Policy .....	242-244
Overview .....	242
Criteria for Evaluating Projects .....	243
Procedure for Annual Capital Improvement Plan .....	243-244
All Funds Five-Year Plan .....	245
2017 - 2021 Project Narratives and Five Year Plans .....	246-276
Arterial Street Fund .....	246-248
Public Safety Fund .....	248-249
Office Equipment Rental Fund .....	249-252
Capital Projects Fund .....	253-256
L.I.D. Construction Fund .....	257
Water Fund .....	258-261
Sewer Fund .....	261-264
Water Filter Plant Fund .....	265-266
Storm Water Utility Fund .....	266-269
Public Transit Fund .....	269-271
Mint Valley Golf Fund .....	271-272
Equipment Rental Reserve Fund .....	272-274
Park & Recreation Memorial Trust Fund .....	274-276

## Capital Improvement Program

# Capital Improvement Policy

### Overview

Longview's City government is responsible for a significant investment in buildings, streets, water and sewer facilities, parks, major equipment, and other public infrastructure. The construction, preservation, and future improvement of these facilities are primary responsibilities of the City. Planning and implementing sound capital improvement policies and programs today will help the City avoid emergencies and greater costs in the future.

The projects listed in this budget for funding are consistent with this capital improvement program. As the biennium progresses, some projects become ready for construction, while others do not, depending on a variety of circumstances. If more funds become available, a mid-year budget amendment may be considered.

### Capital improvement projects include:

1. New and expanded physical facilities/assets.
2. Large-scale renovation and replacement of existing facilities.
3. The acquisition of property.
4. The purchase of major pieces of equipment which are not identified in either the Equipment Rental Fund or the Office Equipment Reserve Fund, and require multi-year financing.
5. The purchase of equipment associated with newly acquired facilities.

Capital improvement expenditures must meet the following criteria:

1. Be for an item classified as a fixed asset.
2. An expenditure of \$5,000 or more (except property) for design, construction, and equipment.
3. Have a useful life of one year or more.



## Criteria for Evaluating Projects

1. Preservation of public health and safety.
2. Improvements necessary because of court action (or to prevent adverse court action) or federal or state requirements.
3. Relationship to City Council goals.
4. Reduction of current operating and maintenance costs and avoidance of costly future rehabilitation.
5. Preservation of existing facilities.
6. Economic development (gaining or retaining industry and jobs).
7. Positive impacts (social, political, etc.) on city residents.
8. Grant/loan secured or leveraging of private funds.
9. Grant/loan available.
10. Readiness to proceed.

## Procedures for Capital Improvement Plan

### 1. Initiation

#### **Requesting Department:**

1. Creates a list of capital improvement projects to be considered.
2. Verifies that the projects meet the above definition of capital improvement expenditures..
3. Prepares a Capital Improvement Request for each project.
4. Prioritizes each proposal using the CIP evaluation criteria above.
5. Submits requests to the City Manager.

### 2. Review

#### **City Manager:**

6. Reviews Capital Improvement Requests.
7. Prepares Capital Improvement Plan recommendations.
8. Prepares an updated Capital Improvement Plan.
9. Presents the Operating Budget and Capital Improvement Plan to the City Council.

#### **City Council:**

10. Holds a public hearing to review the recommended CIP.

# Capital Improvement Program

## 3. Implementation

### City Council:

11. Adopts the Capital Improvement Plan.

### Department:

12. Responsible department prepares and submits a Capital Improvement Project Action Form for City Manager approval. Until such approval is given, no expenditures shall be incurred.
13. Upon approval, monitors capital improvement project.
14. If estimated project costs exceed appropriation, submits Project Action Form with updated project cost information and justification for increase.

### City Manager:

15. Reviews and approves Project Action Forms and forwards to the Finance Director.
16. Monitors the Capital Improvement Plan and budgets and provides periodic status reports to the City Council.

### Finance Director:

17. Assigns a Capital Improvement Program number and an account number to each approved project.
18. Categorizes each capital improvement project by fund and responsible department.
19. Generates a monthly Capital Improvement Project Summary Report of expenditures and fund balances for distribution to the City Manager and all Departments.

## 4. Closeout

### Department:

20. Completes a Capital Improvement Action Form and submits to the Finance Director.

### Finance Director:

21. Reconciles final appropriations and expenditures for each capital improvement project.
22. Eliminates completed capital improvement projects at year-end from monthly Capital Improvement Project Summary Report.



<b>All Funds - Five-Year Plan</b>			
<b>Year</b>	<b>Project</b>	<b>Revenue</b>	<b>Expenditure</b>
2016	December 31 Ending Fund Balance		
2017	Arterial Street Fund	\$2,160,000	\$2,160,000
	Public Safety	\$1,377,000	\$1,377,000
	Office Equipment Rental Fund	\$540,930	\$540,930
	Capital Projects Fund	\$310,000	\$196,500
	L.I.D. Construction Fund	\$3,350,000	\$3,350,000
	Water Fund	\$3,530,000	\$3,530,000
	Sewer Fund	\$5,905,000	\$5,905,000
	Water Filter Plant Fund	\$570,000	\$570,000
	Storm Water Fund	\$4,108,130	\$4,108,130
	Public Transit Fund	\$3,869,000	\$3,869,000
	Mint Valley Golf Fund	\$0	\$0
	Equipment Rental Reserve Fund	\$1,969,670	\$1,969,670
	Parks & Recreation Memorial Trust Fund	\$95,500	\$95,500
	<b>Annual total</b>	<b>\$27,785,230</b>	<b>\$27,671,730</b>
2018	Arterial Street Fund	\$1,840,000	\$1,840,000
	Public Safety	\$75,000	\$75,000
	Office Equipment Rental Fund	\$164,810	\$164,810
	Capital Projects Fund	\$661,790	\$888,000
	L.I.D. Construction Fund	\$3,350,000	\$3,350,000
	Water Fund	\$4,980,000	\$4,980,000
	Sewer Fund	\$8,450,000	\$8,450,000
	Water Filter Plant Fund	\$850,000	\$850,000
	Storm Water Fund	\$469,500	\$469,500
	Public Transit Fund	\$1,660,000	\$1,660,000
	Mint Valley Golf Fund	\$0	\$0
	Equipment Rental Reserve Fund	\$1,108,870	\$1,108,870
	Parks & Recreation Memorial Trust Fund	\$86,900	\$86,900
	<b>Annual total</b>	<b>\$23,696,870</b>	<b>\$23,923,080</b>
2019	Arterial Street Fund	\$2,070,000	\$1,915,000
	Public Safety	\$0	\$0
	Office Equipment Rental Fund	\$448,770	\$448,770
	Capital Projects Fund	\$324,600	\$2,385,800
	L.I.D. Construction Fund	\$350,000	\$350,000
	Water Fund	\$6,150,000	\$6,150,000
	Sewer Fund	\$6,050,000	\$6,050,000
	Water Filter Plant Fund	\$850,000	\$850,000
	Storm Water Fund	\$290,000	\$290,000
	Public Transit Fund	\$185,000	\$185,000
	Mint Valley Golf Fund	\$1,385,500	\$1,385,500
	Equipment Rental Reserve Fund	\$0	\$0
	Parks & Recreation Memorial Trust Fund	\$0	\$40,000
	<b>Annual total</b>	<b>\$18,103,870</b>	<b>\$20,050,070</b>
2020	Arterial Street Fund	\$270,000	\$290,000
	Public Safety	\$0	\$0
	Office Equipment Rental Fund	\$649,000	\$649,000
	Capital Projects Fund	\$339,650	\$5,811,050
	L.I.D. Construction Fund	\$350,000	\$350,000
	Water Fund	\$2,430,000	\$2,430,000
	Sewer Fund	\$2,950,000	\$2,950,000
	Water Filter Plant Fund	\$50,000	\$50,000
	Storm Water Fund	\$150,000	\$150,000
	Public Transit Fund	\$520,000	\$520,000
	Mint Valley Golf Fund	\$1,386,270	\$1,386,270
	Equipment Rental Reserve Fund	\$0	\$0
	Parks & Recreation Memorial Trust Fund	\$0	\$40,000
	<b>Annual total</b>	<b>\$9,094,920</b>	<b>\$14,626,320</b>
2021	Arterial Street Fund	\$270,000	\$40,000
	Public Safety	\$0	\$0
	Office Equipment Rental Fund	\$264,200	\$264,200
	Capital Projects Fund	\$344,700	\$15,453,100
	L.I.D. Construction Fund	\$350,000	\$350,000
	Water Fund	\$2,430,000	\$2,430,000
	Sewer Fund	\$2,950,000	\$2,950,000
	Water Filter Plant Fund	\$50,000	\$50,000
	Storm Water Fund	\$100,000	\$100,000
	Public Transit Fund	\$25,000	\$25,000
	Mint Valley Golf Fund	\$277,000	\$277,000
	Equipment Rental Reserve Fund	\$0	\$0
	Parks & Recreation Memorial Trust Fund	\$0	\$40,000
	<b>Annual total</b>	<b>\$7,060,900</b>	<b>\$21,979,300</b>

## Capital Improvement Program

### Arterial Street Fund - 2017/2018 Project Narratives

<b>SR 432/411 Intersection Improvements</b>	<b>2017</b>	<b>\$600,000</b>
Add a second left turn lane to the Westbound SR432 off-ramp.	<b>2018</b>	<b>\$1,800,000</b>
Improve geometrics of Eastbound SR432 on-ramp.		
<b>Downtown Streetscape Improvements - Phase 3</b>	<b>2017</b>	<b>\$1,095,000</b>
Streetscape, drainage, and pedestrian improvements on Commerce Ave.	<b>2018</b>	<b>\$0</b>
between Hudson St. and Hemlock St.		
<b>Annual Bridge Maintenance and Repairs</b>	<b>2017</b>	<b>\$20,000</b>
Maintenance and repair to bridges.	<b>2018</b>	<b>\$20,000</b>
<b>Annual Street Repairs</b>	<b>2017</b>	<b>\$20,000</b>
Small repair projects on streets throughout the city.	<b>2018</b>	<b>\$20,000</b>
<b>Columbia Heights Rd. Retaining Wall</b>	<b>2017</b>	<b>\$425,000</b>
Repair of slide on uphill side of Columbia Heights Rd. below	<b>2018</b>	<b>\$0</b>
Lower Maplewood Dr.		
	<b>Total 2017</b>	<b>\$2,160,000</b>
	<b>Total 2018</b>	<b>\$1,840,000</b>

<b>Arterial Street Fund - Five-Year Plan</b>			
<b>Year</b>	<b>Project</b>	<b>Revenue</b>	<b>Expenditure</b>
<b>2016</b>	December 31 Ending Fund Balance		
<b>2017</b>	Beginning Funds Used to Balance Expenses	\$27,370	
	1/2 Cent Motor Vehicle Fuel Tax	\$270,000	
	Grants	\$1,862,630	
	Proceeds-Sale of Fixed Assets	\$0	
	Loans	\$0	
	Other	\$0	
	Annual Street Repairs		\$20,000
	Bridge Maintenance and Repairs - Various Bridges		\$20,000
	SR 432/411 Roadway Improvements		\$600,000
	Downtown Streetscape Improvements - Phase 3		\$1,095,000
	Columbia Heights Rd. Retaining Wall		\$425,000
	<b>Annual total</b>	<b>\$2,160,000</b>	<b>\$2,160,000</b>
<b>2018</b>	Beginning Funds Used to Balance Expenses	\$20,000	
	1/2 Cent Motor Vehicle Fuel Tax	\$270,000	
	Grants	\$1,550,000	
	Other	\$0	
	Annual Street Repairs		\$20,000
	Bridge Maintenance and Repairs - Various Bridges		\$20,000
	SR 432/411 Roadway Improvements		\$1,800,000
	<b>Annual total</b>	<b>\$1,840,000</b>	<b>\$1,840,000</b>
<b>2019</b>	1/2 Cent Motor Vehicle Fuel Tax	\$270,000	
	Grants	\$1,800,000	
	Interest	\$0	
	Annual Street Repairs		\$20,000
	Bridge Maintenance and Repairs - Various Bridges		\$20,000
	SR 432/411 Roadway Improvements		\$1,800,000
	7th Avenue/California Way Intersection Improvements		\$75,000
	<b>Annual total</b>	<b>\$2,070,000</b>	<b>\$1,915,000</b>
<b>2020</b>	1/2 Cent Motor Vehicle Fuel Tax	\$270,000	
	Misc. Revenue	\$0	
	Interest	\$0	
	Annual Street Repairs		\$20,000
	Bridge Maintenance and Repairs - Various Bridges		\$20,000
	7th Avenue/California Way Intersection Improvements		\$250,000
	<b>Annual total</b>	<b>\$270,000</b>	<b>\$290,000</b>

# Capital Improvement Program

Arterial Street Fund - Five-Year Plan - continued

<b>2021</b>	1/2 Cent Motor Vehicle Fuel Tax	\$270,000	
	Misc. Revenue	\$0	
	Interest	\$0	
	Annual Street Repairs		\$20,000
	Bridge Maintenance and Repairs - Various Bridges		\$20,000
	<b>Annual total</b>	<b>\$270,000</b>	<b>\$40,000</b>

## Public Safety Fund - 2017/2018 Project Narratives

<b>Police Station Remodel Phase II</b>	<b>2017</b>	<b>\$1,142,000</b>
Complete Phase II of the Police Station Remodel, including new office space, a conference room, and interview rooms on the 2nd floor for Criminal Investigations Unit and Street Crimes Unit use	<b>2018</b>	<b>\$0</b>
<b>28th Avenue Sidewalk</b>	<b>2017</b>	<b>\$50,000</b>
Installation of sidewalks along 28th Avenue from Hemlock Street to Washington Way	<b>2018</b>	<b>\$75,000</b>
<b>School Zone Improvements</b>	<b>2017</b>	<b>\$185,000</b>
New signage, flashing beacons, crosswalk striping, etc., in various school zones	<b>2018</b>	<b>\$0</b>
	<b>Total 2017</b>	<b>\$1,377,000</b>
	<b>Total 2018</b>	<b>\$75,000</b>

## Public Safety Fund - Five-Year Plan

Year	Project	Revenue	Expenditure
<b>2016</b>	December 31 Ending Fund Balance		
<b>2017</b>	Beginning Fund Balance	\$1,242,000	
	Grants	\$135,000	
	Police Station Remodel Phase II		\$1,142,000
	28th Avenue Sidewalk Improvements		\$50,000
	School Zone Improvements		\$185,000
	<b>Annual total</b>	<b>\$1,377,000</b>	<b>\$1,377,000</b>
<b>2018</b>	Beginning Fund Balance	\$7,500	
	Grants	\$67,500	
	28th Avenue Sidewalk Improvements		\$75,000
	<b>Annual total</b>	<b>\$75,000</b>	<b>\$75,000</b>

Public Safety Fund - Five-Year Plan - continued

<b>2019</b>	No projects planned		
	Annual total	\$0	\$0
<b>2020</b>	No projects planned		
	Annual total	\$0	\$0
<b>2021</b>	No projects planned		
	Annual total	\$0	\$0

### Office Equipment Reserve Fund - 2017/2018 Project Narratives

<b>Network Replacements</b> Provides infrastructure support through network equipment.	<b>2017</b>	<b>\$63,280</b>
	<b>2018</b>	<b>\$11,360</b>
<b>Information Processing Equipment (Servers, SAN, Copiers, UPSs)</b> Provide for replacement of servers and other large information processing equipment.	<b>2017</b>	<b>\$115,570</b>
	<b>2018</b>	<b>\$65,820</b>
<b>Integrated Library System Software Replacement</b> Replace the Horizon ILS software system.	<b>2017</b>	<b>\$75,000</b>
	<b>2018</b>	<b>\$15,000</b>
<b>Recreation Wireless Access Points</b> Install wireless access points in rental facilities to meet customer needs & increase rental	<b>2017</b>	<b>\$6,280</b>
	<b>2018</b>	<b>\$1,430</b>
<b>City Hall Cabling Rewire</b> Network cabling in City Hall is a security concern and needs to be retrofitted.	<b>2017</b>	<b>\$29,610</b>
	<b>2018</b>	<b>\$0</b>
<b>Computer Lab Personal Computers</b> Replace outdated computer equipment in the Boulevard computer lab.	<b>2017</b>	<b>\$5,600</b>
	<b>2018</b>	<b>\$1,120</b>
<b>Business Licensing &amp; Tax Software Replacement</b> B&O Tax System Software replacement	<b>2017</b>	<b>\$11,050</b>
	<b>2018</b>	<b>\$1,200</b>
<b>Tyler Cashiering Software Replacement</b> Replacement cashiering system for the City departments.	<b>2017</b>	<b>\$33,500</b>
	<b>2018</b>	<b>\$3,800</b>
<b>Digital Media Evidence Server</b> Implement storage and retrieval of digital media for evidence.	<b>2017</b>	<b>\$30,000</b>
	<b>2018</b>	<b>\$8,500</b>
<b>Secure Network Equipment</b> Network equipment is out in the open and unsecure; move to a locked cabinet.	<b>2017</b>	<b>\$28,500</b>
	<b>2018</b>	<b>\$0</b>
<b>Microsoft Network Active Directory Upgrade</b> Professional Services support to upgrade the Microsoft Network	<b>2017</b>	<b>\$16,000</b>
	<b>2018</b>	<b>\$0</b>
<b>Sharepoint Upgrade</b> Upgrade the SharePoint software to current supported version and move to new hardware.	<b>2017</b>	<b>\$15,000</b>
	<b>2018</b>	<b>\$0</b>

Continued

## Capital Improvement Program

*Office Equipment Reserve Fund - Five-Year Plan - continued*

<b>Veem Virtual Server Backup Software</b>	<b>2017</b>	<b>\$15,900</b>
Backup and recovery of failed servers and lost files.	<b>2018</b>	<b>\$3,200</b>
<b>Electronic Forms and Workflow Project</b>	<b>2017</b>	<b>\$24,040</b>
Convert the paper forms and manual signatures to electronic online forms and signatures.	<b>2018</b>	<b>\$11,910</b>
<b>Redundant Internet Services</b>	<b>2017</b>	<b>\$41,600</b>
Secondary Internet service will provide failover and high availability to the internet.	<b>2018</b>	<b>\$11,470</b>
<b>Research and Development</b>	<b>2017</b>	<b>\$30,000</b>
Provides for research and development of new hardware, software, and systems.	<b>2018</b>	<b>\$30,000</b>
	<b>Total 2017</b>	<b>\$540,930</b>
	<b>Total 2018</b>	<b>\$164,810</b>

<b>Office Equipment Reserve - Five-Year Plan</b>			
<b>Year</b>	<b>Project</b>	<b>Revenue</b>	<b>Expenditure</b>
<b>2016</b>	December 31 Ending Fund Balance		
<b>2017</b>	Interdepartmental Charges (for Capital)	\$540,930	
	Network Replacements		\$63,280
	Information Processing Equipment (Servers, SAN, Copiers, UPSs)		\$115,570
	Integrated Library System Replacement		\$75,000
	Recreation Wireless Access Points		\$6,280
	City Hall Cabling Rewire		\$29,610
	Computer Lab Personal Computers		\$5,600
	Business Licensing & Tax Software Replacement		\$11,050
	Tyler Cashiering Software Replacement		\$33,500
	Digital Media Evidence Server		\$30,000
	Secure Network Equipment		\$28,500
	Microsoft Network Active Directory Upgrade		\$16,000
	SharePoint Upgrade		\$15,000
	Veem Virtual Server Backup Software		\$15,900
	Electronic Forms and Workflow Project		\$24,040
	Redundant Internet Service		\$41,600
	Research and Development Projects		\$30,000
	<b>Annual total</b>	<b>\$540,930</b>	<b>\$540,930</b>

Office Equipment Reserve Fund - Five-Year Plan - continued

<b>2018</b>	Interdepartmental Charges (for Capital)	\$164,810	
	Network Replacements		\$11,360
	Information Processing Equipment (Servers, SAN, Copiers, UPSs)		\$65,820
	Integrated Library System Replacement		\$15,000
	Recreation Wireless Access Points		\$1,430
	Computer Lab Personal Computers		\$1,120
	Business Licensing & Tax Software Replacement		\$1,200
	Tyler Cashiering Software Replacement		\$3,800
	Digital Media Evidence Server		\$8,500
	Veem Virtual Server Backup Software		\$3,200
	Electronic Forms and Workflow Project		\$11,910
	Redundant Internet Service		\$11,470
	Research and Development Projects		\$30,000
<b>Annual total</b>	<b>\$164,810</b>	<b>\$164,810</b>	
<b>2019</b>	Interdepartmental Charges (for Capital)	\$448,770	
	Network Replacements		\$0
	Information Processing Equipment (Servers, SAN, Copiers, UPSs)		\$32,500
	Integrated Library System Replacement		\$15,000
	Recreation Wireless Access Points		\$1,430
	Computer Lab Personal Computers		\$1,120
	Business Licensing & Tax Software Replacement		\$1,200
	Tyler Cashiering Software Replacement		\$3,800
	Digital Media Evidence Server		\$8,500
	Veem Virtual Server Backup Software		\$3,200
	Redundant Internet Service		\$11,470
	Encryption Software for Information Technology		\$29,750
	Eden Replacement		\$120,000
	NeoGov Performance Appraisal Model (hosted)		\$20,800
	City Webside Redesign (ADA compliance, etc)		\$90,000
	GovOutreach / CRM Replacement		\$10,000
	Email Archive Replacement		\$25,000
City Shop / Fleet Network Cable Rewire		\$30,000	
Mobile Device Management		\$15,000	
Research and Development Projects		\$30,000	
<b>Annual total</b>	<b>\$448,770</b>	<b>\$448,770</b>	

# Capital Improvement Program

Office Equipment Reserve Fund - Five-Year Plan - continued

<b>2020</b>	Interdepartmental Charges (for Capital)	\$649,000	
	Network Replacements		\$95,570
	Information Processing Equipment (Servers, SAN, Copiers, UPSs)		\$149,260
	Integrated Library System Replacement		\$15,000
	Recreation Wireless Access Points		\$1,430
	Computer Lab Personal Computers		\$1,120
	Business Licensing & Tax Software Replacement		\$1,300
	Tyler Cashiering Software Replacement		\$4,000
	Digital Media Evidence Server		\$8,500
	Veem Virtual Server Backup Software		\$3,200
	Redundant Internet Service		\$11,470
	Crossmatch System (LPD fingerprints)		\$20,000
	City Hall Surveillance System		\$35,000
	Encryption Software for Information Technology		\$26,750
	Eden Replacement		\$90,000
	NeoGov Performance Appraisal Model (hosted)		\$16,400
	Intranet Redesign		\$35,000
	Fire Stations Network Cable Rewire		\$30,000
	Business Continuity / Disaster Recovery Redesign		\$75,000
Research and Development Projects		\$30,000	
<b>Annual total</b>	<b>\$649,000</b>	<b>\$649,000</b>	
<b>2021</b>	Interdepartmental Charges (for Capital)	\$264,200	
	Network Replacements		\$34,240
	Information Processing Equipment (Servers, SAN, Copiers, UPSs)		\$38,940
	Integrated Library System Replacement		\$15,000
	Recreation Wireless Access Points		\$1,430
	Computer Lab Personal Computers		\$1,120
	Business Licensing & Tax Software Replacement		\$1,300
	Redundant Internet Service		\$11,470
	Tyler Cashiering Software Replacement		\$4,000
	Digital Media Evidence Server		\$8,500
	Veem Virtual Server Backup Software		\$3,200
	GIS Ortho Photography		\$20,000
	Server Room HVAC Replacement		\$65,000
	Parks & Recreation Network Cable Rewire		\$30,000
	Research and Development Projects		\$30,000
<b>Annual total</b>	<b>\$264,200</b>	<b>\$264,200</b>	

## Capital Projects Fund - 2017/2018 Project Narratives

<b>Park Benches</b>	<b>2017</b>	<b>\$10,000</b>
Park benches installed as a result of donations	<b>2018</b>	<b>\$10,000</b>
<b>Neighborhood Park Grants</b>	<b>2017</b>	<b>\$25,000</b>
Grants for neighborhood groups, sports leagues, service clubs, and other community organizations as matching funds to their contributions to develop or improve neighborhood parks	<b>2018</b>	<b>\$25,000</b>
<b>Library Security Camera Replacement</b>	<b>2017</b>	<b>\$0</b>
New digital security system consisting of cameras, a digital recording device, and digital monitors	<b>2018</b>	<b>\$45,000</b>
<b>Park Maintenance Office Security</b>	<b>2017</b>	<b>\$16,500</b>
Upgrade door and locking system and control access into the front area of the office	<b>2018</b>	<b>\$0</b>
<b>Fire Station #81 Apparatus Bay Heating Replacement</b>	<b>2017</b>	<b>\$100,000</b>
Plumb the station for gas, replace apparatus bay heaters, clothes dryers, kitchen ranges, and water heaters with gas appliances	<b>2018</b>	<b>\$0</b>
<b>Americans with Disabilities Act Improvements</b>	<b>2017</b>	<b>\$0</b>
Install new accessible sidewalk ramps, new automatic doors, and other accessible improvements identified in the City's ADA Transition Plan	<b>2018</b>	<b>\$100,000</b>
<b>Playground Equipment Replacement</b>	<b>2017</b>	<b>\$45,000</b>
Replacement funding for City parks playground equipment	<b>2018</b>	<b>\$45,000</b>
<b>R.A. Long Park Plaza Improvements</b>	<b>2017</b>	<b>\$0</b>
Concrete central plaza and steps removed in 2016 due to hazardous condition. Install new water feature fountain along with new concrete plaza and steps replicating the color and scoring patterns of the original plaza	<b>2018</b>	<b>\$663,000</b>
	<b>Total 2017</b>	<b>\$196,500</b>
	<b>Total 2018</b>	<b>\$888,000</b>

## Capital Improvement Program

Capital Projects - Five-Year Plan - continued

<b>Capital Projects Fund - Five-Year Plan</b>			
<b>Year</b>	<b>Project</b>	<b>Revenue</b>	<b>Expenditure</b>
<b>2016</b>	December 31 Ending Fund Balance		
<b>2017</b>	Real Estate Excise Tax	\$285,000	
	Motor Vehicle Fuel Tax (Paths and Trails)	\$4,000	
	Other Revenue - Interest Earnings	\$1,000	
	Loan Repayment: MV Golf	\$10,000	
	Donations - Benches	\$10,000	
	Neighborhood Park Grants		\$25,000
	Park Benches		\$10,000
	Park Maintenance Office Security		\$16,500
	Fire Station #81 Apparatus Bay Heating Replacement		\$100,000
	Playground Equipment Replacement		\$45,000
	<b>Annual total</b>	<b>\$310,000</b>	<b>\$196,500</b>
<b>2018</b>	Real Estate Excise Tax	\$309,950	
	Heritage Grant Funds - R.A. Long Park	\$251,790	
	Motor Vehicle Fuel Tax (Paths and Trails)	\$4,050	
	Other Revenue - Interest Earnings	\$1,000	
	Contributions	\$75,000	
	Loan Repayment: MV Golf	\$10,000	
	Donations - Park Benches	\$10,000	
	Neighborhood Park Grants		\$25,000
	Park Benches		\$10,000
	Library Security Camera Replacement		\$45,000
	Americans with Disabilities Act Improvements		\$100,000
	Playground Equipment Replacement		\$45,000
	R.A. Long Plaza Improvements		\$663,000
	<b>Annual total</b>	<b>\$661,790</b>	<b>\$888,000</b>

Capital Projects Fund - Five-Year Plan - continued

<b>2019</b>	Real Estate Excise Tax	\$300,000	
	Motor Vehicle Fuel Tax (Paths and Trails)	\$4,100	
	Other Revenue - Interest Earnings	\$500	
	Loan Repayment: MV Golf	\$10,000	
	Donations - Park Benches	\$10,000	
	Neighborhood Park Grants		\$25,000
	Park Benches		\$10,000
	Playground Equipment Replacement		\$45,000
	Building Exterior Brick Sealing and Repair (various buildings)		\$93,750
	Fire Station 82 Roof		\$50,000
	City Hall Roof		\$225,000
	Longview Police Building Garage Door Replacement		\$120,000
	McClelland Arts Hardwood Floor Replacement		\$62,500
	Parks and Recreation Building Roof and Gutter Replacement		\$68,750
	Fire Station 83 Site Plan		\$99,000
	Fire Station 82 Generator		\$152,450
	Park Restrooms (Nichols/17th & Hemlock/Kessler)		\$300,000
	Lake Sacajawea Irrigation Project		\$55,000
	Parks Maintenance Parking Lot Overlay		\$176,000
	Roy Morse Park Outfield Fencing		\$15,000
	Parks Maintenance - Additional Dump Truck		\$55,000
	Archie Anderson Park Water Line		\$49,500
	Recreational Facilities Technology Improvements		\$9,250
	Roy Morse Park Softball Lighting Repairs		\$41,000
	Traffic Replace Induction Loop Vehicle Detection Systems		\$50,000
	Update Traffic Signal Video Detection Systems		\$160,000
	Information Technology Department Office Renovation		\$20,600
	Library Carpet Replacement		\$49,000
	Library Interior Painting Project		\$25,000
	Library Parking Lot Expansion		\$384,000
Library Radio Frequency Identification Tags and Software Project		\$45,000	
	<b>Annual total</b>	<b>\$324,600</b>	<b>\$2,385,800</b>

2017/2018 Budget

**Capital Improvement Program***Capital Projects Fund - Five-Year Plan - continued*

<b>2020</b>	Real Estate Excise Tax	\$315,000	
	Motor Vehicle Fuel Tax (Paths and Trails)	\$4,150	
	Other Revenue - Interest Earnings	\$500	
	Loan Repayment: MV Golf	\$10,000	
	Donations - Park Benches	\$10,000	
	Neighborhood Park Grants		\$25,000
	Park Benches		\$10,000
	Playground Equipment Replacement		\$45,000
	City Hall Elevator Replacement		\$250,000
	HVAC System Replacement (various buildings)		\$100,000
	Longview Police Building Carpet Replacement		\$87,500
	Parks and Recreation Building Carpet Replacement		\$21,250
	Fire Station 81 Remodel		\$4,811,500
	Roy Morse Park Restroom		\$137,000
	Lake Sacajawea Irrigation Project		\$80,000
	Recreation Office Parking Lot Overlay		\$47,300
	John Null Park Tennis Court Resurfacing		\$108,000
	Library Lower Floor Linoleum Replacement		\$70,000
	Library Self Check-out Units (2)		\$18,500
	<b>Annual total</b>	<b>\$339,650</b>	<b>\$5,811,050</b>
<b>2021</b>	Real Estate Excise Tax	\$320,000	
	Motor Vehicle Fuel Tax (Paths and Trails)	\$4,200	
	Other Revenue - Interest Earnings	\$500	
	Loan Repayment: MV Golf	\$10,000	
	Donations - Park Benches	\$10,000	
	Neighborhood Park Grants		\$25,000
	Park Benches		\$10,000
	Playground Equipment Replacement		\$45,000
	City Hall Carpet		\$162,500
	Keyless Door Entry (various buildings)		\$15,000
	Longview Police Building Elevator Replacement		\$250,000
	Parks and Recreation Building Siding Replacement		\$62,500
	Fire Station 83 Construction		\$13,843,100
	Lake Sacajawea Irrigation Project		\$80,000
	Roy Morse Park Parking Lot Overlay		\$281,000
	Vandercook Park Tennis Court Resurfacing		\$54,000
	Roy Morse Park Softball Lighting Project		\$500,000
	Library New Public Service Desk Area		\$40,000
	Library Shelving Replacement Project		\$85,000
	<b>Annual total</b>	<b>\$344,700</b>	<b>\$15,453,100</b>

## L.I.D. Construction Fund - 2017/2018 Project Narratives

<b>Street and Alley Construction</b>	<b>2017</b>	<b>\$350,000</b>
This provides for the construction of street and alley projects that are requested from citizens through L.I.D. petitions	<b>2018</b>	<b>\$350,000</b>
 <b>Beech Street Improvements</b>	 <b>2017</b>	 <b>\$3,000,000</b>
Full street improvement from Oregon Way to California Way	<b>2018</b>	<b>\$3,000,000</b>
	<b>Total 2017</b>	<b>\$3,350,000</b>
	<b>Total 2018</b>	<b>\$3,350,000</b>

## L.I.D. Construction Fund - Five-Year Plan

Year	Project	Revenue	Expenditure
<b>2016</b>	December 31 Ending Fund Balance		
<b>2017</b>	Streets & Alley L.I.D. Bonds	\$3,350,000	
	Street & Alley Construction		\$350,000
	Beech Street Improvements		\$3,000,000
	<b>Annual total</b>	<b>\$3,350,000</b>	<b>\$3,350,000</b>
<b>2018</b>	Streets & Alley L.I.D. Bonds	\$3,350,000	
	Street & Alley Construction		\$350,000
	Beech Street Improvements		\$3,000,000
	<b>Annual total</b>	<b>\$3,350,000</b>	<b>\$3,350,000</b>
<b>2019</b>	Streets & Alley L.I.D. Bonds	\$350,000	
	Street & Alley Construction		\$350,000
	<b>Annual total</b>	<b>\$350,000</b>	<b>\$350,000</b>
<b>2020</b>	Streets & Alley L.I.D. Bonds	\$350,000	
	Street & Alley Construction		\$350,000
	<b>Annual total</b>	<b>\$350,000</b>	<b>\$350,000</b>
<b>2021</b>	Streets & Alley L.I.D. Bonds	\$350,000	
	Street & Alley Construction		\$350,000
	<b>Annual total</b>	<b>\$350,000</b>	<b>\$350,000</b>

## Capital Improvement Program

### Water Fund - 2017/2018 Project Narratives

<b>Annual LID Projects</b>	<b>2017</b>	<b>\$100,000</b>
Replace deteriorated water mains prior to Local Improvement District paving projects.	<b>2018</b>	<b>\$100,000</b>
<b>Hillcrest Pump Station Replacement</b>	<b>2017</b>	<b>\$850,000</b>
Replace deteriorated pump station and lower pump suction elevation to fully utilize Main Reservoir storage capacity. This is a joint project with Beacon Hill Water and Sewer District.	<b>2018</b>	<b>\$550,000</b>
<b>Main Reservoir Vents/Drain Replacement</b>	<b>2017</b>	<b>\$250,000</b>
Replace deteriorated vent screening and roof drains at Main Reservoir to comply with EPA regulations.	<b>2018</b>	<b>\$200,000</b>
<b>New Utility Operation Center Facility (Water Share)</b>	<b>2017</b>	<b>\$0</b>
Acquire land and construct new Operations Center due to impacts from Industrial Way & Oregon Way intersection improvements.	<b>2018</b>	<b>\$1,000,000</b>
<b>Niemi Booster Station Replacement</b>	<b>2017</b>	<b>\$0</b>
Replace deteriorated pump station.	<b>2018</b>	<b>\$500,000</b>
<b>Reservoir Paving/Security</b>	<b>2017</b>	<b>\$50,000</b>
Continue paving and security upgrades at reservoirs to improve access and security.	<b>2018</b>	<b>\$50,000</b>
<b>SCADA System Upgrades</b>	<b>2017</b>	<b>\$100,000</b>
Install telemetry and computer controls at additional sites to remotely monitor and control potable water facilities.	<b>2018</b>	<b>\$100,000</b>
<b>Water Booster Station Roof Replacements</b>	<b>2017</b>	<b>\$100,000</b>
Replace roofs on Indian Creek and Tanglewood booster pump stations due to age and to improve access to maintain pumps.	<b>2018</b>	<b>\$0</b>
<b>Water Facility Relocation for Road Replacement</b>	<b>2017</b>	<b>\$150,000</b>
Relocate water facilities as required for road construction projects.	<b>2018</b>	<b>\$150,000</b>
<b>Water Main Replacements</b>	<b>2017</b>	<b>\$1,500,000</b>
Replace deteriorated mains to ensure reliability, adequate pressure and volume, and improve water quality.	<b>2018</b>	<b>\$2,000,000</b>
<b>Large Meter Replacements</b>	<b>2017</b>	<b>\$100,000</b>
Replace large meters to improve accuracy of readings and access for testing.	<b>2018</b>	<b>\$100,000</b>

*Water Fund - Five-Year Plan - continued*

<b>Reservoir Painting and Corrosion Control</b>	<b>2017</b>	<b>\$50,000</b>
Paint reservoirs and exterior metal to prevent corrosion.	<b>2018</b>	<b>\$0</b>
<b>Valve Replacements</b>	<b>2017</b>	<b>\$30,000</b>
Replace aged and broken valves.	<b>2018</b>	<b>\$30,000</b>
<b>Water Master Plan</b>	<b>2017</b>	<b>\$250,000</b>
Washington Dept. of Health requires the Water System Plan to be updated every six years.	<b>2018</b>	<b>\$200,000</b>
	<b>Total 2017</b>	<b>\$3,530,000</b>
	<b>Total 2018</b>	<b>\$4,980,000</b>

<b>Water Fund - Five-Year Plan</b>			
<b>Year</b>	<b>Project</b>	<b>Revenue</b>	<b>Expenditure</b>
<b>2016</b>	December 31 Ending Fund Balance		
<b>2017</b>	Capital Recovery Fee Revenue	\$50,000	
	Metered Sales	\$693,000	
	State Pool	\$4,000	
	Beginning Funds required to Balance	\$2,363,000	
	Due From Other Governments	\$420,000	
	Annual LID Projects		\$100,000
	Hillcrest Pump Station Replacement		\$850,000
	Main Reservoir Vents/Drain Replacement		\$250,000
	Reservoir Paving & Security		\$50,000
	SCADA System Upgrades		\$100,000
	Water Booster Station Roof Replacements		\$100,000
	Water Facility Relocation for Road Replacements		\$150,000
	Water Main Replacements		\$1,500,000
	Large Meter Replacements		\$100,000
	Reservoir Painting & Corrosion Control		\$50,000
	Valve Replacements		\$30,000
	Water Master Plan		\$250,000
	<b>Annual Total</b>	<b>\$3,530,000</b>	<b>\$3,530,000</b>

# Capital Improvement Program

Water Fund - Five-Year Plan - continued

<b>2018</b>	Capital Recovery Fee Revenue	\$50,000	
	Metered Sales	\$0	
	State Pool	\$4,000	
	Revenue Bonds	\$3,776,000	
	Due From Other Governments	\$1,150,000	
	Annual LID Projects		\$100,000
	Hillcrest Pump Station Replacement		\$550,000
	Main Reservoir Vents/Drain Replacement		\$200,000
	New Utility Operations Center Facility (Water Share)		\$1,000,000
	Niemi Pump Station Rebuild		\$500,000
	Reservoir Paving & Security		\$50,000
	SCADA System Upgrades		\$100,000
	Water Facility Relocation for Road Replacements		\$150,000
	Water Main Replacements		\$2,000,000
	Large Meter Replacements		\$100,000
	Valve Replacements		\$30,000
	Water Master Plan		\$200,000
	<b>Annual Total</b>	<b>\$4,980,000</b>	<b>\$4,980,000</b>
<b>2019</b>	Capital Recovery Fee Revenue	\$50,000	
	Metered Sales	\$0	
	Interest	\$4,000	
	Revenue Bonds	\$3,461,000	
	Due from Other Governments	\$2,635,000	
	Annual LID Projects		\$100,000
	Hillcrest Pump Station Replacement		\$100,000
	Indian Creek Reservoir Upgrades		\$500,000
	Main Reservoir Vents/Drain Replacement		\$20,000
	New Utility Operations Center Facility (Water Share)		\$3,100,000
	Reservoir Paving & Security		\$50,000
	Water Facility Relocation for Road Replacements		\$150,000
	Water Main Replacements		\$2,000,000
	Large Meter Replacements		\$100,000
	Valve Replacements		\$30,000
	<b>Annual Total</b>	<b>\$6,150,000</b>	<b>\$6,150,000</b>

Water Fund - Five-Year Plan - continued

<b>2020</b>	Capital Recovery Fee Revenue	\$50,000	
	Metered Sales	\$432,000	
	Interest	\$4,000	
	Revenue Bonds	\$1,944,000	
	Annual LID Projects		\$100,000
	Reservoir Paving/Security		\$50,000
	Water Facility Relocation for Road Replacement		\$150,000
	Water Main Replacements		\$2,000,000
	Large Meter Replacements		\$100,000
	Valve Replacements		\$30,000
	<b>Annual Total</b>	<b>\$2,430,000</b>	<b>\$2,430,000</b>
<b>2021</b>	Capital Recovery Fee Revenue	\$50,000	
	Metered Sales	\$1,131,000	
	Interest	\$4,000	
	Revenue Bonds	\$1,245,000	
	Annual LID Projects		\$100,000
	Reservoir Paving/Security		\$50,000
	Water Facility Relocation for Road Replacement		\$150,000
	Water Main Replacements		\$2,000,000
	Large Meter Replacements		\$100,000
	Valve Replacements		\$30,000
	<b>Annual Total</b>	<b>\$2,430,000</b>	<b>\$2,430,000</b>

## Sewer Fund - 2017/2018 Project Narratives

<b>2106 Pump Station Rehabilitation - Phase 2</b>	<b>2017</b>	<b>\$1,050,000</b>
Replace deteriorated pump stations located on 32nd Ave. and at Roy Morse Park.	<b>2018</b>	<b>\$0</b>
<b>2016 Pump Station Rehabilitation - Phase 3</b>	<b>2017</b>	<b>\$2,200,000</b>
Replace deteriorated stations located at 38th Ave and Oak Street, and at Bailey Park.	<b>2018</b>	<b>\$3,200,000</b>
<b>Annual Sewer Main Liners</b>	<b>2017</b>	<b>\$500,000</b>
Line sewer mains with in-situ plastic liners.	<b>2018</b>	<b>\$500,000</b>
<b>Annual LID Projects</b>	<b>2017</b>	<b>\$200,000</b>
Replace aged sewer mains prior to Local Improvement District construction of alleys and roadways.	<b>2018</b>	<b>\$200,000</b>

## Capital Improvement Program

*Sewer Fund - Five-Year Plan - continued*

<b>Annual Pump Station Rehabilitations</b>	2017	\$0
Continuation of program to replace deteriorated sewer pump stations.	2018	\$300,000
<b>Mint Farm Pump Station Odor Control</b>	2017	\$55,000
Install odor and corrosion control system at Mint Farm Pump Station.	2018	\$0
<b>Mint Farm Pump Station VFD Replacement</b>	2017	\$55,000
Replace aged and obsolete variable frequency pump drives.	2018	\$0
<b>New Utility Operation Center Facility (Sewer Share)</b>	2017	\$0
Acquire land and construct new Operations Center due to impacts from Industrial Way & Oregon Way intersection improvements.	2018	\$1,000,000
<b>SCADA System Upgrades</b>	2017	\$200,000
Install telemetry and computer controls at additional sites to remotely monitor and control sewer pump stations.	2018	\$200,000
<b>Sewer Facility Replacement for Road Reconstruction</b>	2017	\$200,000
Relocate sewer facilities as required for road construction projects.	2018	\$200,000
<b>Sewer Main Replacement</b>	2017	\$325,000
Annual replacement to replace deteriorated sewer mains.	2018	\$300,000
<b>West Longview Lagoons Revitalization</b>	2017	\$650,000
Plan, design, and construct improvements to use abandoned sewer treatment plant site for other purposes.	2018	\$2,500,000
<b>Lift Station Emergency Power Upgrades</b>	2017	\$50,000
Install emergency power connections at various pump stations.	2018	\$50,000
<b>Sewer Operations Vacuum Truck</b>	2017	\$410,000
Purchase new vacuum/jetting truck to replace deficient truck.	2018	\$0
<b>Trench Shoring Equipment</b>	2017	\$10,000
Purchase trench shoring equipment for safe working conditions.	2018	\$0
	<b>Total 2017</b>	<b>\$5,905,000</b>
	<b>Total 2018</b>	<b>\$8,450,000</b>

Sewer Fund - Five-Year Plan - continued

<b>Sewer Fund - Five-Year Plan</b>			
<b>Year</b>	<b>Project</b>	<b>Revenue</b>	<b>Expenditure</b>
<b>2016</b>	December 31 Ending Fund Balance		
<b>2017</b>	Capital Recovery Fee	\$75,000	
	Interest	\$5,000	
	Revenue Bonds	\$1,337,000	
	Beginning Resources	\$4,488,000	
	Pump Station Rehabilitation - Phase 2		\$1,050,000
	Pump Station Rehabilitation - Phase 3		\$2,200,000
	Annual Collector Liners		\$300,000
	Annual LID Projects		\$200,000
	Mint Farm Pump Station Odor Control		\$55,000
	Mint Farm Pump Station VFD Replacement		\$55,000
	SCADA System Upgrades		\$200,000
	Sewer Facility Replacement for Road Construction		\$200,000
	Sewer Main Replacement		\$325,000
	West Longview Lagoons Revitalization		\$650,000
	Lift Station Emergency Power		\$50,000
	Sewer Main Liners		\$200,000
	Sewer Operations Vacuum Truck		\$410,000
	Trench Shoring Equipment		\$10,000
	<b>Annual Total</b>	<b>\$5,905,000</b>	<b>\$5,905,000</b>
<b>2018</b>	Capital Recovery Fee	\$75,000	
	Interest	\$5,000	
	Revenue Bonds	\$7,774,000	
	Due from other Governments	\$530,000	
	Beginning Resources	\$66,000	
	Pump Station Rehabilitation Phase 3		\$3,200,000
	Annual Collector Liners		\$300,000
	Annual LID Projects		\$200,000
	Annual Pump Station Rehabilitation		\$300,000
	New Utility Operations Facility (Sewer Share)		\$1,000,000
	SCADA System Upgrades		\$200,000
	Sewer Facility Replacement for Road Construction		\$200,000
	Sewer Main Replacement		\$300,000
	West Longview Lagoons Revitalization		\$2,500,000
	Lift Station Emergency Power		\$50,000
	Sewer Main Liners		\$200,000
	<b>Annual Total</b>	<b>\$8,450,000</b>	<b>\$8,450,000</b>

# Capital Improvement Program

*Sewer Fund - Five-Year Plan - continued*

<b>2019</b>	Capital Recovery Fee	\$75,000		
	Interest	\$5,000		
	Revenue Bonds	\$3,335,000		
	Due from other Governments	\$2,635,000		
	Annual Collector Liners		\$300,000	
	Annual LID Projects		\$200,000	
	Annual Pump Station Rehabilitation		\$1,500,000	
	New Utility Operations Facility (Sewer Share)		\$3,100,000	
	SCADA System Upgrades		\$200,000	
	Sewer Facility Replacement for Road Construction		\$200,000	
	Sewer Main Replacement		\$300,000	
	Lift Station Emergency Power		\$50,000	
	Sewer Main Liners		\$200,000	
	<b>Annual Total</b>	<b>\$6,050,000</b>	<b>\$6,050,000</b>	
<b>2020</b>	Capital Recovery Fee	\$75,000		
	Interest	\$5,000		
	Revenue Bonds	\$2,870,000		
	Annual Collector Liners		\$300,000	
	Annual LID Projects		\$200,000	
	Annual Pump Station Rehabilitation		\$1,500,000	
	SCADA System Upgrades		\$200,000	
	Sewer Facility Replacement for Road Construction		\$200,000	
	Sewer Main Replacement		\$300,000	
	Lift Station Emergency Power		\$50,000	
	Sewer Main Liners		\$200,000	
	<b>Annual Total</b>	<b>\$2,950,000</b>	<b>\$2,950,000</b>	
	<b>2021</b>	Capital Recovery Fee	\$75,000	
		Interest	\$5,000	
Customer Rates		\$2,870,000		
Annual Collector Liners			\$300,000	
Annual LID Projects			\$200,000	
Annual Pump Station Rehabilitation			\$1,500,000	
SCADA System Upgrades			\$200,000	
Sewer Facility Replacement for Road Construction			\$200,000	
Sewer Main Replacement			\$300,000	
Lift Station Emergency Power			\$50,000	
Sewer Main Liners			\$200,000	
<b>Annual Total</b>		<b>\$2,950,000</b>	<b>\$2,950,000</b>	

## Water Filter Plant Fund - 2017/2018 Project Narratives

<b>Dissolved Oxygen Injection</b>	<b>2017</b>	<b>\$500,000</b>
Construct air injection system to improve water quality.	<b>2018</b>	<b>\$0</b>
 <b>Decommissioning Fishers Lane Treatment Plant</b>	 <b>2017</b>	 <b>\$0</b>
Salvage and demolish abandoned Fishers Lane treatment plant and prepare property for future use or sale.	<b>2018</b>	<b>\$800,000</b>
 <b>Miscellaneous Capital Repairs</b>	 <b>2017</b>	 <b>\$50,000</b>
Unscheduled capital repair projects.	<b>2018</b>	<b>\$50,000</b>
 <b>Purchase All-terrain Vehicle</b>	 <b>2017</b>	 <b>\$20,000</b>
Purchase all-terrain vehicle to assist facilitate sentry well testing and increase efficiency of grounds maintenance activities.	<b>2018</b>	<b>\$0</b>
	<b>Total 2017</b>	<b>\$570,000</b>
	<b>Total 2018</b>	<b>\$850,000</b>

## Water Filter Plant Fund - Five-Year Plan

Year	Project	Revenue	Expenditure
<b>2016</b>	December 31 Ending Fund Balance		
<b>2017</b>	Drinking Water State Revolving Fund Loan	\$500,000	
	Water Construction Fund	\$59,750	
	Beacon Hill Water & Sewer District	\$10,250	
	Dissolved Oxygen Injection		\$500,000
	Miscellaneous Capital Repairs		\$50,000
	Purchase All-Terrain Vehicle		\$20,000
	<b>Annual Total</b>	<b>\$570,000</b>	<b>\$570,000</b>
<b>2018</b>	Water Construction Fund	\$725,560	
	Beacon Hill Water & Sewer District	\$124,440	
	Decommissioning Fishers Lane Treatment Plant		\$800,000
	Miscellaneous Capital Repairs		\$50,000
	<b>Annual Total</b>	<b>\$850,000</b>	<b>\$850,000</b>

# Capital Improvement Program

Water Filter Fund - Five-Year Plan - continued

<b>2019</b>	Water Construction Fund	\$725,560	
	Beacon Hill Water & Sewer District	\$124,440	
	Decommissioning Fishers Lane Treatment Plant		\$800,000
	Miscellaneous Capital Repairs		\$50,000
	<b>Annual Total</b>	<b>\$850,000</b>	<b>\$850,000</b>
<b>2020</b>	Water Construction Fund	\$42,500	
	Beacon Hill Water & Sewer District	\$7,500	
	Miscellaneous Capital Repairs		\$50,000
	<b>Annual Total</b>	<b>\$50,000</b>	<b>\$50,000</b>
<b>2021</b>	Water Construction Fund	\$42,500	
	Beacon Hill Water & Sewer District	\$7,500	
	Miscellaneous Capital Repairs		\$50,000
	<b>Annual Total</b>	<b>\$50,000</b>	<b>\$50,000</b>

## Storm Water Fund - 2017/2018 Project Narratives

<b>Beech Street Storm Main Replacement</b>	<b>2017</b>	<b>\$1,700,000</b>
Replace deteriorated box culvert in street median with new storm drain main between 21st to 28th Avenue.	<b>2018</b>	<b>\$200,000</b>
<b>Downtown Streetscape - Phase 3</b>	<b>2017</b>	<b>\$320,000</b>
Construction of stormwater bioretention facilities and installation of permeable pavers and porous concrete crosswalks.	<b>2018</b>	<b>\$0</b>
<b>Lake Sacajawea Outlet Screen Upgrade</b>	<b>2017</b>	<b>\$15,000</b>
Replacement outlet screen to improve access, safety and efficiency for removing debris.	<b>2018</b>	<b>\$0</b>
<b>Lucity Asset Management Implementation</b>	<b>2017</b>	<b>\$40,000</b>
Implementation of the Lucity computerized asset management system for tracking infrastructure assets and maintenance work performed.	<b>2018</b>	<b>\$0</b>
<b>Miscellaneous Stormwater Capital Projects</b>	<b>2017</b>	<b>\$100,000</b>
Miscellaneous system repairs and improvements to the City's storm drainage system.	<b>2018</b>	<b>\$100,000</b>

*Storm Water Fund - Five-Year Plan - continued*

<b>Portable Stormwater Pump System</b>	<b>2017</b>	<b>\$0</b>
Portable stormwater dry prime pump system for emergency use in areas where there is a pump station failure or other drainage problem.	<b>2018</b>	<b>\$10,000</b>
<b>Stormwater Pump Station Upgrades</b>	<b>2017</b>	<b>\$0</b>
Update system controls and cabinets at the Mint Place and Pershing Way stormwater pump stations.	<b>2018</b>	<b>\$20,000</b>
<b>SCADA for Stormwater Pump Stations</b>	<b>2017</b>	<b>\$0</b>
Install telemetry and control equipment at stormwater pump stations to remotely monitor and manage these facilities.	<b>2018</b>	<b>\$50,000</b>
<b>Stormwater Improvements Below Main Reservoir</b>	<b>2017</b>	<b>\$166,530</b>
Stormwater infrastructure improvements associated with the main reservoir renovation project including pipe and structure lining.	<b>2018</b>	<b>\$0</b>
<b>Urban Forest Tree Inventory Update</b>	<b>2017</b>	<b>\$0</b>
Inventory of all trees being maintained under the City's Urban Forestry program funded by the Stormwater Utility.	<b>2018</b>	<b>\$89,500</b>
<b>Stormwater Shop HVAC Installation Completion</b>	<b>2017</b>	<b>\$20,000</b>
Complete installation of radiant heat system in the shop equipment building to prevent street sweepers and plow sanders from freezing.	<b>2018</b>	<b>\$0</b>
<b>Vehicles and Equipment for Additional Stormwater Crew</b>	<b>2017</b>	<b>\$350,000</b>
Vehicles and equipment needed to support the work of an additional stormwater maintenance crew.	<b>2018</b>	<b>\$0</b>
<b>Vehicle for Additional Maintenance Supervisor</b>	<b>2017</b>	<b>\$38,000</b>
Vehicle for additional Stormwater maintenance supervisor.	<b>2018</b>	<b>\$0</b>
<b>New Streets/Stormwater Vehicle Storage/Shop Building</b>	<b>2017</b>	<b>\$432,000</b>
Construction of a new Streets/Stormwater vehicle storage and shop to provide for additional Stormwater equipment storage.	<b>2018</b>	<b>\$0</b>
<b>New Streets/Stormwater Crew Building</b>	<b>2017</b>	<b>\$786,000</b>
Construction of a new Streets/Stormwater crew building to provide proper space for the expanded Stormwater maintenance crew.	<b>2018</b>	<b>\$0</b>
<b>Vehicle Replacement Additional Funding</b>	<b>2017</b>	<b>\$140,600</b>
Additional funding needed to replace existing Stormwater maintenance vehicles/equipment.	<b>2018</b>	<b>\$0</b>
	<b>Total 2017</b>	<b>\$4,108,130</b>
	<b>Total 2018</b>	<b>\$469,500</b>

# Capital Improvement Program

Storm Water Fund - Five-Year Plan - continued

<b>Storm Water Fund - Five-Year Plan</b>			
<b>Year</b>	<b>Project</b>	<b>Revenue</b>	<b>Expenditure</b>
<b>2016</b>	December 31 Ending Fund Balance		
<b>2017</b>	Storm Water Billings	\$461,310	
	State Grants	\$202,290	
	Revenue Bond Proceeds	\$2,825,530	
	Transfer from Capital Projects Fund	\$609,000	
	Interest	\$10,000	
	Other	\$0	
	Beginning Funds Used to Balance Expenses	\$0	
	Beech Street Storm Main Replacement		\$1,700,000
	Downtown Streetscape - Phase 3		\$320,000
	Lake Sacajawea Outlet Screen Upgrade		\$15,000
	Lucity Asset Management Implementation		\$40,000
	Miscellaneous Stormwater Capital Projects		\$100,000
	Stormwater Improvements Below Main Reservoir		\$166,530
	Stormwater Shop HVAC Installation Completion		\$20,000
	Vehicles/Equipment for Add'l Stormwater Crew		\$350,000
	Vehicle for Additional Maintenance Supervisor		\$38,000
	New Vehicle Storage/Shop Building		\$432,000
	New Streets/Stormwater Crew Building		\$786,000
	Vehicle Replacement Additional Funding		\$140,600
	<b>Annual total</b>	<b>\$4,108,130</b>	<b>\$4,108,130</b>
<b>2018</b>	Storm Water Billings	\$259,500	
	Revenue Bond Proceeds	\$200,000	
	Interest	\$10,000	
	Other	\$0	
	Beginning Funds Used to Balance Expenses	\$0	
	Beech Street Storm Main Replacement		\$200,000
	Miscellaneous Stormwater Capital Projects		\$100,000
	Portable Stormwater Pump System		\$10,000
	Stormwater Pump Station Upgrades		\$20,000
	SCADA for Stormwater Pump Stations		\$50,000
	Urban Forest Tree Inventory Update		\$89,500
	<b>Annual total</b>	<b>\$469,500</b>	<b>\$469,500</b>

Storm Water Fund - Five-Year Plan - continued

<b>2019</b>	Storm Water Billings	\$290,000	
	Miscellaneous Stormwater Capital Projects		\$100,000
	SCADA for Stormwater Pump Stations		\$50,000
	Mint Valley Pump Station Open Channel		\$140,000
	<b>Annual total</b>	<b>\$290,000</b>	<b>\$290,000</b>
<b>2020</b>	Storm Water Billings	\$150,000	
	Miscellaneous Stormwater Capital Projects		\$100,000
	SCADA for Stormwater Pump Stations		\$50,000
	<b>Annual total</b>	<b>\$150,000</b>	<b>\$150,000</b>
<b>2021</b>	Storm Water Billings	\$100,000	
	Miscellaneous Stormwater Capital Projects		\$100,000
	<b>Annual total</b>	<b>\$100,000</b>	<b>\$100,000</b>

## Public Transit Fund - 2017/2018 Project Narratives

<b>Downtown Transit Center Expansion</b>	<b>2017</b>	<b>\$3,620,000</b>
Expand existing transit center to accommodate increased staff size, improve pedestrian safety, and provide a greater level of customer service with shorter supervisor response times.	<b>2018</b>	<b>\$400,000</b>
<b>Bus Stop Amenities</b>	<b>2017</b>	<b>\$23,000</b>
Purchase and install bus schedule holders, benches, garbage cans, bike racks, and solar lighting for bus stop safety.	<b>2018</b>	<b>\$23,000</b>
<b>Transit Radio System Improvements</b>	<b>2017</b>	<b>\$55,000</b>
Purchase new repeater, license, and radios for transit only system.	<b>2018</b>	<b>\$0</b>
<b>Bus Stop Shelters and Pads</b>	<b>2017</b>	<b>\$25,000</b>
Install ADA-compliant shelters and concrete pads at various bus stops.	<b>2018</b>	<b>\$25,000</b>
<b>Two Engine Replacements</b>	<b>2017</b>	<b>\$80,000</b>
Replace engines on older buses to extend their useful life.	<b>2018</b>	<b>\$0</b>
<b>Two Transit Relief Replacement Vehicles</b>	<b>2017</b>	<b>\$66,000</b>
Replace two driver relief vehicles that are past useful life.	<b>2018</b>	<b>\$0</b>
<b>Security Cameras</b>	<b>2017</b>	<b>\$0</b>
Install security cameras viewing drive aisle between bus barn and mechanic shop.	<b>2018</b>	<b>\$12,000</b>
<b>Replacement Fixed Route Bus</b>	<b>2017</b>	<b>\$0</b>
Purchase two replacement fixed-route (40ft) buses.	<b>2018</b>	<b>\$1,040,000</b>

# Capital Improvement Program

Public Transit Fund - Five-Year Plan - continued

<b>Replacement Paratransit Vehicles</b>	<b>2017</b>	<b>\$0</b>
Purchase two 15-passenger cut away replacement vehicles.	<b>2018</b>	<b>\$160,000</b>
	<b>Total 2017</b>	<b>\$3,869,000</b>
	<b>Total 2018</b>	<b>\$1,660,000</b>

<b>Transit - Five-Year Plan</b>			
<b>Year</b>	<b>Project</b>	<b>Revenue</b>	<b>Expenditure</b>
<b>2016</b>	December 31 Ending Fund Balance		
<b>2017</b>	Cowlitz Transit Authority	\$1,238,530	
	Federal Grants	\$2,630,470	
	Downtown Transit Center Expansion		\$3,620,000
	Bus Stop Amenities		\$23,000
	Transit Radio System Improvements		\$55,000
	Bus Stop Pads		\$25,000
	Two Engine Replacements		\$80,000
	Replacement Relief Vehicles (2)		\$66,000
	<b>Annual total</b>	<b>\$3,869,000</b>	<b>\$3,869,000</b>
<b>2018</b>	Cowlitz Transit Authority	\$405,600	
	Federal Grants	\$1,254,400	
	Downtown Transit Center Expansion		\$400,000
	Security Cameras		\$12,000
	Replacement Fixed Route Bus (2)		\$1,040,000
	Replacement Paratransit Vehicle (2)		\$160,000
	Bus Stop Amenities		\$23,000
	Bus Stop Pads		\$25,000
	<b>Annual total</b>	<b>\$1,660,000</b>	<b>\$1,660,000</b>
<b>2019</b>	Cowlitz Transit Authority	\$37,000	
	Federal Grants	\$148,000	
	Paratransit Vehicle Purchases		\$160,000
	Bus Stop Amenities and Pads		\$25,000
	<b>Annual total</b>	<b>\$185,000</b>	<b>\$185,000</b>

Public Transit Fund - Five-Year Plan - continued

<b>2020</b>	Cowlitz Transit Authority	\$104,000	
	Federal Grants	\$416,000	
	Fixed-Route Vehicle Purchase		\$520,000
	<b>Annual total</b>	<b>\$520,000</b>	<b>\$520,000</b>
<b>2021</b>			
<b>2021</b>	Cowlitz Transit Authority	\$25,000	
	State Grants	\$0	
	Bus Stop Shelters and Pads		\$25,000
	<b>Annual total</b>	<b>\$25,000</b>	<b>\$25,000</b>

### Mint Valley Golf Fund - 2017/2018 Project Narratives

No projects planned for 2017/2018

2017 \$0  
2018 \$0

Total 2017 \$0  
Total 2018 \$0

### Mint Valley Golf Fund - Five-Year Plan

Year	Project	Revenue	Expenditure
<b>2016</b>	December 31 Ending Fund Balance		
<b>2017</b>	No Projects planned		
	<b>Annual total</b>	<b>\$0</b>	<b>\$0</b>
<b>2018</b>	No Projects planned		
	<b>Annual total</b>	<b>\$0</b>	<b>\$0</b>

# Capital Improvement Program

Mint Valley Golf Fund - Five-Year Plan - continued

<b>2019</b>	Mint Valley Golf Fund	\$1,385,500	
	Resurface Cart Paths		\$20,000
	Clubhouse Deck Extension		\$80,500
	Fairway Aerator		\$27,500
	Above-Ground Fuel Tank Replacement		\$45,000
	Mint Valley Pro-Shop Foundation Repair		\$112,500
	Irrigation System Replacement		\$1,100,000
	<b>Annual total</b>	<b>\$1,385,500</b>	<b>\$1,385,500</b>
<b>2020</b>	Mint Valley Golf Fund	\$1,386,270	
	Resurface Cart Paths		\$20,000
	Asphalt Golf Maintenance Parking Lot		\$120,270
	Maintenance Equipment Wash Station		\$82,000
	Restroom Replacement		\$64,000
	Irrigation System Replacement		\$1,100,000
	<b>Annual total</b>	<b>\$1,386,270</b>	<b>\$1,386,270</b>
<b>2021</b>	Mint Valley Golf Fund	\$277,000	
	Resurface Cart Paths		\$20,000
	Retaining Wall (Hole No. 17)		\$257,000
	<b>Annual total</b>	<b>\$277,000</b>	<b>\$277,000</b>

## Equipment Rental Reserve Fund - 2017/2018 Project Narratives

<b>Vehicle and Equipment Purchases and Replacements</b>	<b>2017</b>	<b>\$1,883,650</b>
Purchase new and replacement equipment and vehicles per approval and replacement schedule	<b>2018</b>	<b>\$984,890</b>
<b>Propane Auto Gas Conversion</b>	<b>2017</b>	<b>\$86,020</b>
Conversion of 15 fleet units to Propane Auto Gas. Propane Auto Gas is a green alternative fuel that lowers greenhouse gas emissions and saves on fuel costs	<b>2018</b>	<b>\$86,480</b>
<b>Vehicle Mobile Column Lifts</b>	<b>2017</b>	<b>\$0</b>
Purchase of four mobile column lifts to more efficiently maintain the City's growing fleet	<b>2018</b>	<b>\$37,500</b>
	<b>Total 2017</b>	<b>\$1,969,670</b>
	<b>Total 2018</b>	<b>\$1,108,870</b>

continued

Equipment Rental Reserve Fund - Five-Year Plan - continued

<b>Equipment Rental Reserve Fund - Five-Year Plan</b>			
<b>Year</b>	<b>Project</b>	<b>Revenue</b>	<b>Expenditure</b>
<b>2016</b>	December 31 Ending Fund Balance		
<b>2017</b>	Beginning Fund Balance	\$0	
	Equipment Rental Reserve (for replacements)	\$1,969,670	
	Propane Auto Gas Conversions		\$86,020
	Downtown Parking Vehicle		\$31,850
	Police Vehicles		\$81,380
	Fire Vehicles		\$134,600
	Traffic Vehicles		\$38,550
	Street Maintenance Vehicles		\$556,000
	Parks Equipment		\$90,380
	Water Vehicles		\$38,320
	Filter Plant Vehicles		\$22,390
	Storm Water Vehicles		\$481,400
	Urban Forest Vehicles		\$305,460
	Golf Equipment		\$68,320
	Criminal Justice Vehicle		\$35,000
	<b>Annual total</b>	<b>\$1,969,670</b>	<b>\$1,969,670</b>
<b>2018</b>	Beginning Fund Balance	\$0	
	Equipment Rental Reserve (for replacements)	\$1,108,870	
	Propane Auto Gas Conversions		\$86,480
	Vehicle Mobile Column Lifts		\$37,500
	Police Vehicles		\$230,260
	Fire Vehicles		\$152,480
	Traffic Vehicles		\$156,670
	Street Maintenance Vehicles		\$121,000
	Engineering Vehicles		\$18,440
	Parks Equipment		\$14,390
	Water Vehicles		\$116,390
	Sewer Vehicles		\$113,110
	Urban Forest Vehicles		\$30,910
	Golf Equipment		\$31,240
	<b>Annual total</b>	<b>\$1,108,870</b>	<b>\$1,108,870</b>

# Capital Improvement Program

*Equipment Rental Reserve Fund - Five-Year Plan - continued*

<b>2019</b>	No Projects Scheduled	\$0	\$0
	Annual total	\$0	\$0
<b>2020</b>	No Projects Scheduled	\$0	\$0
	Annual total	\$0	\$0
<b>2021</b>	No Projects Scheduled	\$0	\$0
	Annual total	\$0	\$0

## Park & Recreation Memorial Trust Fund - 2017/2018 Project Narratives

<b>Park plan CIP project(s)</b>	<b>2017</b>	<b>\$27,750</b>
Project(s) to be determined but will be selected from ones listed on park plan CIP	<b>2018</b>	<b>\$22,200</b>
<b>Community sponsored project(s)</b>	<b>2017</b>	<b>\$27,750</b>
Project(s) to be determined but will be selected from ones proposed by community groups	<b>2018</b>	<b>\$22,200</b>
<b>Lions Island maintenance and improvement projects</b>	<b>2017</b>	<b>\$40,000</b>
Projects to be determined	<b>2018</b>	<b>\$42,500</b>
	<b>Total 2017</b>	<b>\$95,500</b>
	<b>Total 2018</b>	<b>\$86,900</b>

## Parks & Recreation Memorial Trust Fund - Five-Year Plan

Year	Project	Revenue	Expenditure
<b>2016</b>	December 31 Ending Fund Balance		
<b>2017</b>	Beginning Fund Balance	\$94,500	
	Interest	\$1,000	
	Park plan CIP project(s)		\$27,750
	Community sponsored project(s)		\$27,750
	Lions Island maintenance and improvement projects		\$40,000
	Annual total	\$95,500	\$95,500
<b>2018</b>	Beginning Fund Balance	\$85,900	
	Interest	\$1,000	
	Park plan CIP project(s)		\$22,200
	Community sponsored project(s)		\$22,200
	Lions Island maintenance and improvement projects		\$42,500
	Annual total	\$86,900	\$86,900

*Parks & Recreation Memorial Trust Fund - Five-Year Plan - continued*

<b>2019</b>	Park plan CIP project(s)		\$20,000
	Community sponsored project(s)		\$20,000
	Annual total	\$0	\$40,000
<b>2020</b>	Park plan CIP project(s)		\$20,000
	Community sponsored project(s)		\$20,000
	Annual total	\$0	\$40,000
<b>2021</b>	Park plan CIP project(s)		\$20,000
	Community sponsored project(s)		\$20,000
	Annual total	\$0	\$40,000

