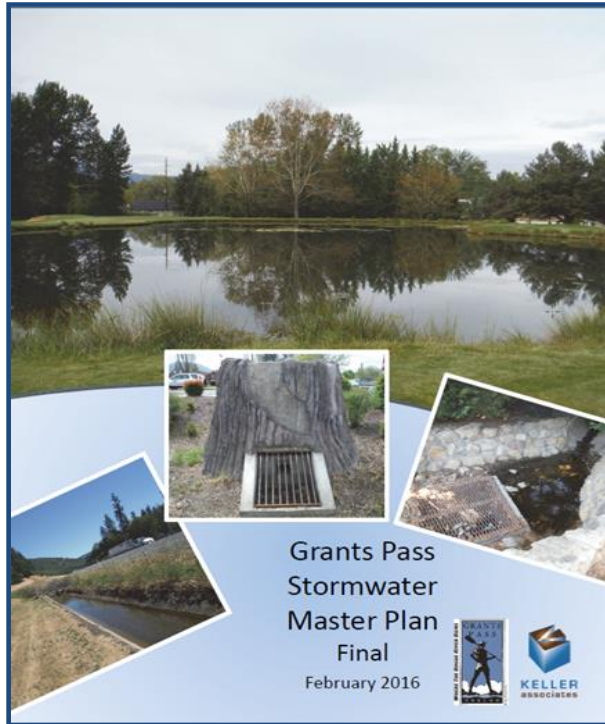


# STORM WATER AND OPEN SPACE

## ACTIVITIES

- \*Storm Water Maintenance Services
- \*Customer Services
- \*General Program Operations
- \*Capital Construction



## DESCRIPTION

This has been proposed to be a new utility program for the City. Storm drain maintenance had been combined with Street maintenance in past years. Funding has been inadequate to actively address increased flooding and drainage problems. A previous City Council had resolved to implement a Storm Water Utility, including a new Master Plan and funding resources. Funds for this activity were to be derived from a monthly utility fee and a System Development Charge (SDC) for new construction. Collection of monthly fees and SDC's will only occur after formal adoption of the utility.

	ACTUAL FY'15 \$	ACTUAL FY'16 \$	BUDGET FY'17 \$	MANAGER RECOMMEND FY'18 \$	COMMITTEE APPROVED FY'18 \$	COUNCIL ADOPTED FY'18 \$	PROJECTED FY'19 \$
Program Generated Resources	<u>703,053</u>	<u>556,553</u>	<u>305,558</u>	<u>734,014</u>	<u>734,014</u>	<u>734,014</u>	<u>599,718</u>
<b>Total Resources</b>	<b><u>703,053</u></b>	<b><u>556,553</u></b>	<b><u>305,558</u></b>	<b><u>734,014</u></b>	<b><u>734,014</u></b>	<b><u>734,014</u></b>	<b><u>599,718</u></b>
Requirements							
Storm Water Maint. Services	0	0	0	50,000	50,000	50,000	50,000
General Program Operations	146,205	0	0	50,000	50,000	50,000	100,000
Capital Construction	<u>556,848</u>	<u>556,553</u>	<u>305,558</u>	<u>634,014</u>	<u>634,014</u>	<u>634,014</u>	<u>449,718</u>
<b>Total Requirements</b>	<b><u>703,053</u></b>	<b><u>556,553</u></b>	<b><u>305,558</u></b>	<b><u>734,014</u></b>	<b><u>734,014</u></b>	<b><u>734,014</u></b>	<b><u>599,718</u></b>

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## **Program: Utilities/Storm Water Program**

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### **Services Delivered:**

The Storm Water Program strives to provide a safe, well-maintained drainage system through a systematic and cost-effective maintenance and capital program.

Funding will be derived from two sources; a monthly utility fee and a System Development Charge. This fund will provide resources to; actively maintain the existing storm water collection system, correct existing deficiencies in the system, and provide for new system capacity needed for future development.

Funding to date has been able to provide little more than a response to immediate problem areas and emergency flooding situations. Funding for the new utility will provide for a proactive program of cleaning and maintenance of the existing system as well as correcting existing bottle necks and deficiencies, plus install system improvements necessary for future growth.

## Program: Utilities/Storm Water Program

### Program Financial Summary

Resources	ACTUAL FY'15 \$	ACTUAL FY'16 \$	BUDGET FY'17 \$	MANAGER RECOMMEND FY'18 \$	COMMITTEE APPROVED FY'18 \$	COUNCIL ADOPTED FY'18 \$	PROJECTED FY'19 \$
Beginning Balance	<u>10,563</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>50,000</u>
Current Resources							
Activity Generated							
Storm Water Fees	0	0	0	100,000	100,000	100,000	100,000
Transfers	135,642	0	0	0	0	0	0
Capital Construction	<u>556,848</u>	<u>556,553</u>	<u>305,558</u>	<u>634,014</u>	<u>634,014</u>	<u>634,014</u>	<u>449,718</u>
<b>Total Current Revenues</b>	<b><u>692,490</u></b>	<b><u>556,553</u></b>	<b><u>305,558</u></b>	<b><u>734,014</u></b>	<b><u>734,014</u></b>	<b><u>734,014</u></b>	<b><u>549,718</u></b>
<b>Total Resources</b>	<b><u>703,053</u></b>	<b><u>556,553</u></b>	<b><u>305,558</u></b>	<b><u>734,014</u></b>	<b><u>734,014</u></b>	<b><u>734,014</u></b>	<b><u>599,718</u></b>

Requirements	ACTUAL FY'15 \$	ACTUAL FY'16 \$	BUDGET FY'17 \$	MANAGER RECOMMEND FY'18 \$	COMMITTEE APPROVED FY'18 \$	COUNCIL ADOPTED FY'18 \$	PROJECTED FY'19 \$
Storm Water Maintenance	0	0	0	50,000	50,000	50,000	50,000
Capital Construction	444,848	556,553	305,558	634,014	634,014	634,014	449,718
Debt Service	146,205	0	0	0	0	0	0
Transfers Out	<u>112,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<b>Subtotal Expenditures</b>	<b><u>703,053</u></b>	<b><u>556,553</u></b>	<b><u>305,558</u></b>	<b><u>684,014</u></b>	<b><u>684,014</u></b>	<b><u>684,014</u></b>	<b><u>499,718</u></b>
Contingencies	<u>0</u>	<u>0</u>	<u>0</u>	<u>50,000</u>	<u>50,000</u>	<u>50,000</u>	<u>100,000</u>
<b>Total Requirements</b>	<b><u>703,053</u></b>	<b><u>556,553</u></b>	<b><u>305,558</u></b>	<b><u>734,014</u></b>	<b><u>734,014</u></b>	<b><u>734,014</u></b>	<b><u>599,718</u></b>

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## **Program: Utilities/Storm Water – Maintenance Services**

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### **Services Delivered:**

The Storm Water Maintenance activity maintains systems related to the collection, conveyance and water quality issues related to storm water runoff. Maintenance functions include: Street sweeping, repairs, vegetation control, operation of water quality structures, inlets, catch basins, manholes, and underground piping systems.

In preparation of the formation of the Storm Water utility, funds will be transferred from the Transportation budget to cover the street sweeping contract. Street sweeping is an important aspect of ensuring that storm water runoff that reaches our many streams and rivers is clean and debris free.

### **FY'18 Anticipated Accomplishments & Corresponding Council Goal - Strategic Plan Item:**

#### **Maintain, Operate, and Expand our Infrastructure**

##### **Objective 1: Plan and develop infrastructure**

**Action 9:** Complete Storm Water Management Manual.

- Work on the Storm Water Management Manual is continuing via efforts by an outside consultant.

##### **Objective 5: Ensure storm facility infrastructure needs are met**

**Action 1:** Initiate the preparation of a Storm Water Implementation Plan.

- The subsequent Implementation Plan will be prepared since the Master Plan was completed and adopted by City Council in FY17.

**Action 2:** Create and initiate the Storm Water Utility.

- Council will be requested to create and implement the Storm Water Utility, to enable funding to meet the NPDES Municipal Storm Water Permit program requirements.

### **Budget Highlights:**

The Storm Water Maintenance budget will not show direct expenses until the budget cycle following formal adoption of the Storm Water Utility.

### **FY'17 Activity Review:**

This will be a new program budget following adoption of the Storm Water Utility. FY'17 storm drainage activities have been provided in the Transportation/Street Operating budget.

**Program: Utilities/Storm Water – Maintenance Services**

***Financial Summary***

Requirements	ACTUAL FY'15 \$	ACTUAL FY'16 \$	BUDGET FY'17 \$	MANAGER RECOMMEND FY'18 \$	COMMITTEE APPROVED FY'18 \$	COUNCIL ADOPTED FY'18 \$	PROJECTED FY'19 \$
Contractual/Prof Services	<u>0</u>	<u>0</u>	<u>0</u>	<u>50,000</u>	<u>50,000</u>	<u>50,000</u>	<u>50,000</u>
<b>Total Requirements</b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>50,000</u></b>	<b><u>50,000</u></b>	<b><u>50,000</u></b>	<b><u>50,000</u></b>

***Personnel***

	BUDGET FY'15 #	BUDGET FY'16 #	BUDGET FY'17 #	MANAGER RECOMMEND FY'18 #	COMMITTEE APPROVED FY'18 #	COUNCIL ADOPTED FY'18 #	PROJECTED FY'19 #
Public Works Director From: Water Treatment	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
<b>Total Positions</b>	<b><u>0.00</u></b>	<b><u>0.00</u></b>	<b><u>0.00</u></b>	<b><u>0.00</u></b>	<b><u>0.00</u></b>	<b><u>0.00</u></b>	<b><u>0.00</u></b>

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## Program: Utilities/Storm Water – Customer Services

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### Services Delivered:

This activity includes the billing and collection services provided by the Administrative Services Department.

### FY'18 Anticipated Accomplishments & Corresponding Council Goal - Strategic Plan Item:

The Storm Water Utility is expected to be established this Fiscal Year by action of the City Council. Implementation would require Administrative Services to create a new billing and collection system for customers of this Utility.

### Budget Highlights:

There will be significant “Start-up” costs to provide this service, which may exceed the “normal” costs to run and maintain financial support for this program in the future.

### Financial Summary

Requirements	ACTUAL FY'15 \$	ACTUAL FY'16 \$	BUDGET FY'17 \$	MANAGER RECOMMEND FY'18 \$	COMMITTEE APPROVED FY'18 \$	COUNCIL ADOPTED FY'18 \$	PROJECTED FY'19 \$
Direct Charges	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<b>Total Requirements</b>	<u><b>0</b></u>	<u><b>0</b></u>	<u><b>0</b></u>	<u><b>0</b></u>	<u><b>0</b></u>	<u><b>0</b></u>	<u><b>0</b></u>

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## Program: Utilities/Storm Water – General Program Operations

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### Services Delivered:

This activity accounts for expense that is not directly allocated to any single storm drain activity. The contingency is appropriated in this activity, along with transfers to capital projects, payment of administrative costs, and ending fund balances.

### FY'18 Anticipated Accomplishments & Corresponding Council Goal - Strategic Plan Item:

No activity is expected this year.

### Financial Summary

Requirements	ACTUAL FY'15 \$	ACTUAL FY'16 \$	BUDGET FY'17 \$	MANAGER RECOMMEND FY'18 \$	COMMITTEE APPROVED FY'18 \$	COUNCIL ADOPTED FY'18 \$	PROJECTED FY'19 \$
Debt Service	<u>146,205</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<b><i>Subtotal Expenditures</i></b>	<b><i>146,205</i></b>	<b><i>0</i></b>	<b><i>0</i></b>	<b><i>0</i></b>	<b><i>0</i></b>	<b><i>0</i></b>	<b><i>0</i></b>
Contingencies	<u>0</u>	<u>0</u>	<u>0</u>	<u>50,000</u>	<u>50,000</u>	<u>50,000</u>	<u>100,000</u>
<b>Total Requirements</b>	<b><u>146,205</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>50,000</u></b>	<b><u>50,000</u></b>	<b><u>50,000</u></b>	<b><u>100,000</u></b>

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## Program: Utilities/Storm Water – Capital Construction

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### Services Delivered:

Storm Water and Open Space systems are required infrastructure to protect our community against flooding, assure the quality of water returned to the Rogue River and allow managed growth. The Storm Water and Open Space SDC is an incurred charge for the planning, acquisition and capital development of facilities to accommodate and control storm water runoff. This is a program to protect the capacity for current and future users of this system.

The capital improvement plan required by state law as the basis for expending revenues from the improvement fees portion of the Storm Water and Open Space System Development Charge; shall include the update to the Storm Water and Open Space Master Plan and implementation of the Storm Water Management program. The General Fund will also contribute funds to allow for the implementation of the Rogue Basin Total Maximum Daily Load & Water Quality Management Plan (TMDL), as directed by the Oregon Department of Environmental Quality.

Implemented by Council action in February of 2004, two distinct SDC fees were adopted. The Storm Water and Open Space Master Plan fee charged to all new developments is now \$487 per development. These monies will be used to pay for the planning, acquisition, and capital development of facilities to accommodate and control storm water runoff, directly associated open space, and water quality control facilities to clean surface water runoff prior to natural surface water conveyances. The second SDC fee is being collected for storm water construction in the Sand Creek sub-basin area, and the charge is currently \$0.33 per square foot of lot area. Both of these charges will be collected at the time of the building or development permit, until a new Storm Water Utility and System Development Charge is adopted by the City Council.

### FY'18 Anticipated Accomplishments & Corresponding Council Goal - Strategic Plan Item:

#### **Maintain, Operate, and Expand our Infrastructure to Meet Community Needs**

##### **Objective 5: Ensure storm facility infrastructure needs are met**

**Action 1:** Initiate the preparation of a Storm Water Implementation Plan.

- Initiation of the Storm Water Implementation Plan will begin after the establishment of the Storm Water Utility.

**Action 2:** Create and initiate the Storm Water Utility.

- The Storm Water Utility will be established after the rate study in FY'17.



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## Program: Utilities/Storm Water – Capital Construction

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### **Budget Highlights:**

The project listing shows resources across the columns. Columns show the “Actual resources through FY’16”; the re-assessed resource needs of projects using current data for the “Revised FY’17” column, guiding our “Adopted FY’18” and resources estimated “Through FY’18”. We have “Future Years” and “Total Project” columns for each project. Refer to the Capital Budget Book for more information on individual projects.

The individual project pages describe the project, the need, future and ongoing costs, and the total project cost. The tables show when and where the money is budgeted to come from, and the expenses incurred and budgeted to incur through completion.

### **FY’17 Activity Review:**

- Continued implementation of the TMDL Plan.
- Completed and adopted the Stormwater Master Plan.
- Started work on the Stormwater Management Manual.

## Program: Utilities/Storm Water – Capital Construction

### ACTIVE CAPITAL PROJECT RESOURCES

	Actual Through FY'16	Estimated FY'17	Adopted FY'18	Total Through FY'18	Future Years	Total Project
DO0000 Miscellaneous Projects - (648)	106,406	(40,000)	0	66,406	0	66,406
DO6071 TMDL Plan Implementation	180,000	15,000	15,000	210,000	105,000	315,000
DO6319 Storm Water Utility & SDC Study	0	45,000	15,000	60,000	0	60,000
DO6320 Storm Water Management Manual	0	50,000	0	50,000	0	50,000
DO6321 General Engineering Services	0	10,000	10,000	20,000	0	20,000
<b>NEW PROJECTS</b>						
DO6336 Detention Pond Maint./Upgrades	0	0	25,000	25,000	0	0
DO6337 Schroeder Lane North SD	<u>0</u>	<u>0</u>	<u>125,000</u>	<u>125,000</u>	<u>875,000</u>	<u>1,000,000</u>
<b>Total Projects</b>	<b><u>286,406</u></b>	<b><u>80,000</u></b>	<b><u>190,000</u></b>	<b><u>556,406</u></b>	<b><u>980,000</u></b>	<b><u>1,511,406</u></b>
<b>Storm Water SDC Funds</b>						
Miscellaneous Projects - SDC's (642)	843,768	129,070	(17,300)	955,538	(690,800)	264,738
Miscellaneous Projects - AFD's (645)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<b>Total Miscellaneous Funds</b>	<b><u>843,768</u></b>	<b><u>129,070</u></b>	<b><u>(17,300)</u></b>	<b><u>955,538</u></b>	<b><u>(690,800)</u></b>	<b><u>264,738</u></b>
<b><u>CLOSED OR CANCELLED CAPITAL PROJECT RESOURCES</u></b>						
DO6169 Stormwater Plan Update	<u>395,000</u>	<u>30,000</u>	<u>0</u>	<u>425,000</u>	<u>0</u>	<u>425,000</u>
<b>Total Closed Projects</b>	<b><u>395,000</u></b>	<b><u>30,000</u></b>	<b><u>0</u></b>	<b><u>425,000</u></b>	<b><u>0</u></b>	<b><u>425,000</u></b>
<b>Grand Total - Storm Water Funds</b>	<b><u>1,525,174</u></b>	<b><u>239,070</u></b>	<b><u>172,700</u></b>	<b><u>1,936,944</u></b>	<b><u>289,200</u></b>	<b><u>2,201,144</u></b>

## Program: Utilities/Storm Water – Capital Construction

### ACTIVE CAPITAL PROJECT SUMMARIES FOR FY'18

	Adopted FY'18 Beginning Fund Balance	Adopted FY'18 Revenue	Adopted FY'18 Capital Outlay	Adopted FY'18 Transfers Out	Adopted FY'18 Appropriated Fund Balance
DO0000 Miscellaneous Projects - 648	6,483	0	0	0	6,483
DO6071 TMDL Plan Implementation	84,996	15,000	99,996	0	0
DO6319 Storm Water Utility & SDC Study	0	15,000	15,000	0	0
DO6320 Storm Water Management Manual	25,000	0	25,000	0	0
DO6321 General Engineering Services	7,000	10,000	17,000	0	0
<b>NEW PROJECTS</b>					
DO6336 Detention Pond Maint./Upgrades	0	25,000	25,000	0	0
DO6337 Schroeder Lane North SD	<u>0</u>	<u>125,000</u>	<u>125,000</u>	<u>0</u>	<u>0</u>
<b>Total Projects</b>	<b><u>123,479</u></b>	<b><u>190,000</u></b>	<b><u>306,996</u></b>	<b><u>0</u></b>	<b><u>6,483</u></b>
<b>Storm Water SDC Funds</b>					
Miscellaneous Projects - SDC's 642	337,836	(17,300)	0	0	320,536
Miscellaneous Projects - AFD's 645	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<b>Total Miscellaneous Funds</b>	<b><u>337,836</u></b>	<b><u>(17,300)</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>320,536</u></b>
<b>Grand Total - All Storm Water Funds</b>	<b><u>461,315</u></b>	<b><u>172,700</u></b>	<b><u>306,996</u></b>	<b><u>0</u></b>	<b><u>327,019</u></b>

This is a summary sheet of all the Capital Projects that are discussed in detail in the Capital Budget Book.

## Program: Utilities/Storm Water – Capital Construction

### ***Financial Summary***

	ACTUAL FY'15 \$	ACTUAL FY'16 \$	BUDGET FY'17 \$	MANAGER RECOMMEND FY'18 \$	COMMITTEE APPROVED FY'18 \$	COUNCIL ADOPTED FY'18 \$	PROJECTED FY'19 \$
Beginning Fund Balance	<u>443,216</u>	<u>311,392</u>	<u>200,058</u>	<u>461,314</u>	<u>461,314</u>	<u>461,314</u>	<u>327,018</u>
<b>Resources</b>							
Development charges	79,075	123,674	25,000	107,200	107,200	107,200	107,200
Investment Interest	2,091	2,750	500	500	500	500	500
SDC/AFD Loans	2,466	2,333	0	0	0	0	0
General fund	15,000	11,404	35,000	50,000	50,000	50,000	0
Transportation Projects	<u>15,000</u>	<u>105,000</u>	<u>45,000</u>	<u>15,000</u>	<u>15,000</u>	<u>15,000</u>	<u>15,000</u>
<i><b>Total Current Revenues</b></i>	<i><b><u>113,632</u></b></i>	<i><b><u>245,161</u></b></i>	<i><b><u>105,500</u></b></i>	<i><b><u>172,700</u></b></i>	<i><b><u>172,700</u></b></i>	<i><b><u>172,700</u></b></i>	<i><b><u>122,700</u></b></i>
<b>Total Resources</b>	<b><u>556,848</u></b>	<b><u>556,553</u></b>	<b><u>305,558</u></b>	<b><u>634,014</u></b>	<b><u>634,014</u></b>	<b><u>634,014</u></b>	<b><u>449,718</u></b>
<b>Requirements</b>							
Capital Outlay	133,456	201,484	199,268	306,996	306,996	306,996	65,000
Transfers Out	<u>112,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<i><b>Subtotal Expenditures</b></i>	<i><b><u>245,456</u></b></i>	<i><b><u>201,484</u></b></i>	<i><b><u>199,268</u></b></i>	<i><b><u>306,996</u></b></i>	<i><b><u>306,996</u></b></i>	<i><b><u>306,996</u></b></i>	<i><b><u>65,000</u></b></i>
Appropriated Fund Balance	<u>311,392</u>	<u>355,069</u>	<u>106,290</u>	<u>327,018</u>	<u>327,018</u>	<u>327,018</u>	<u>384,718</u>
<b>Total Requirements</b>	<b><u>556,848</u></b>	<b><u>556,553</u></b>	<b><u>305,558</u></b>	<b><u>634,014</u></b>	<b><u>634,014</u></b>	<b><u>634,014</u></b>	<b><u>449,718</u></b>