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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'20 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 Stormwater Implementation Plan following adoption of the Storm Water Master Plan.

- Initiation of the Stormwater Implementation Plan has begun

### **Budget Highlights:**

The project listing shows resources across the columns. Columns show the “Actual resources through FY’18”; the re-assessed resource needs of projects using current data for the “Estimated FY’19” column, guiding our “Adopted FY’20” and resources estimated “Through FY’21”. 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.

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## **Program: Utilities/Storm Water – Capital Construction**

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### **FY'19 Activity Review:**

- Continued implementation of the TMDL Plan.
- Began the implementation of the Stormwater Management Manual.
- Initiated the design of several smaller storm drain improvement projects.
- Adopted the Stormwater Utility rate and began work on the SDC Study.
- Completed a feasibility study for Schroeder Lane north storm drain project.

## Program: Utilities/Storm Water – Capital Construction

### ACTIVE CAPITAL PROJECT RESOURCES

		Actual Through FY'18	Estimated FY'19	Adopted FY'20	Total Through FY'20	Future Years	Total Project
DO0000	Miscellaneous Projects - (648)	69,039	0	50,000	119,039	50,000	169,039
DO6071	TMDL Plan Implementation	110,000	29,000	20,000	159,000	60,000	219,000
DO6319	Storm Water Utility & SDC Study	160,000	(44,000)	0	116,000	0	116,000
DO6321	General Engineering Services	15,000	15,000	25,000	55,000	100,000	155,000
DO6336	Detention Pond Maint./Upgrades	25,000	0	10,000	35,000	40,000	75,000
DO6337	Schroeder Lane North SD	125,000	175,000	162,900	462,900	537,100	1,000,000
DO6353	Emergency Storm Drain Projects	0	50,000	170,000	220,000	250,000	470,000

### NEW PROJECTS

DO6371	5th Street Storm Drain Replacemen	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>650,000</u>	<u>650,000</u>
	<b>Total Projects</b>	<b><u>504,039</u></b>	<b><u>225,000</u></b>	<b><u>437,900</u></b>	<b><u>1,166,939</u></b>	<b><u>1,687,100</u></b>	<b><u>2,854,039</u></b>

### Storm Water SDC Funds

Miscellaneous Projects - SDC's (642)	989,950	(68,100)	(37,900)	883,950	71,500	955,450
Miscellaneous Projects - AFD's (645)	33,735	9,000	5,000	47,735	23,000	70,735
<b>Total Miscellaneous Funds</b>	<b><u>1,023,685</u></b>	<b><u>(59,100)</u></b>	<b><u>(32,900)</u></b>	<b><u>931,685</u></b>	<b><u>94,500</u></b>	<b><u>1,026,185</u></b>

### CLOSED OR CANCELLED CAPITAL PROJECT RESOURCES

DO6320	Storm Water Management Manual	<u>60,000</u>	<u>20,000</u>	<u>0</u>	<u>80,000</u>	<u>0</u>	<u>80,000</u>
	<b>Total Closed Projects</b>	<b><u>60,000</u></b>	<b><u>20,000</u></b>	<b><u>0</u></b>	<b><u>80,000</u></b>	<b><u>0</u></b>	<b><u>80,000</u></b>

**Grand Total - All Storm Water Funds**    **1,587,724**    **185,900**    **405,000**    **2,178,624**    **1,781,600**    **3,960,224**

## Program: Utilities/Storm Water – Capital Construction

### ACTIVE CAPITAL PROJECT SUMMARIES FOR FY'20

	Adpoted FY'20 Beginning Fund Balance	Adpoted FY'20 Revenue	Adpoted FY'20 Capital Outlay	Adpoted FY'20 Transfers Out	Adpoted FY'20 Appropriated Fund Balance	
DO0000	Miscellaneous Projects - 648	5,551	50,000	0	0	55,551
DO6071	TMDL Plan Implementation	0	20,000	20,000	0	0
DO6319	Storm Water Utility & SDC Study	1,500	0	1,500	0	0
DO6321	General Engineering Services	3,236	25,000	28,236	0	0
DO6336	Detention Pond Maint/Upgrades	4,773	10,000	14,773	0	0
DO6337	Schroeder Lane North SD	275,000	162,900	437,900	0	0
DO6353	Emergency Storm Drain Projects	25,000	170,000	195,000	0	0
<b>NEW PROJECTS</b>						
DO6371	5th Street Storm Drain Replaceme	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	<b>Total Projects</b>	<b><u>315,060</u></b>	<b><u>437,900</u></b>	<b><u>697,409</u></b>	<b><u>0</u></b>	<b><u>55,551</u></b>
<b>Storm Water SDC Funds</b>						
	Miscellaneous Projects - SDC's 642	286,848	(37,900)	0	0	248,948
	Miscellaneous Projects - AFD's 645	<u>43,734</u>	<u>5,000</u>	<u>0</u>	<u>0</u>	<u>48,734</u>
	<b>Total Miscellaneous Funds</b>	<b><u>330,582</u></b>	<b><u>(32,900)</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>297,682</u></b>
	<b>Grand Total - All Storm Water Funds</b>	<b><u>645,642</u></b>	<b><u>405,000</u></b>	<b><u>697,409</u></b>	<b><u>0</u></b>	<b><u>353,233</u></b>

## Program: Utilities/Storm Water – Capital Construction

### *Financial Summary*

	ACTUAL FY'17 \$	ACTUAL FY'18 \$	BUDGET FY'19 \$	REVISED FY'19 \$	A D O P T E D FY'20 \$	PROJECTED FY'21 \$
Beginning Fund Balance	<u>355,069</u>	<u>522,341</u>	<u>537,041</u>	<u>537,041</u>	<u>645,642</u>	<u>353,233</u>
<b>Resources</b>						
Development Charges	161,269	110,547	105,600	105,600	50,000	50,000
Investment Interest	4,802	7,271	1,300	1,300	0	0
SDC/AFD Loans	8,707	28,121	9,000	9,000	5,000	5,000
General Fund	35,000	50,000	0	0	0	0
Storm Water Fund	0	0	0	0	350,000	725,000
Transportation Projects	<u>45,000</u>	<u>15,000</u>	<u>70,000</u>	<u>70,000</u>	<u>0</u>	<u>0</u>
<i><b>Total Current Revenues</b></i>	<i><b><u>254,779</u></b></i>	<i><b><u>210,939</u></b></i>	<i><b><u>185,900</u></b></i>	<i><b><u>185,900</u></b></i>	<i><b><u>405,000</u></b></i>	<i><b><u>780,000</u></b></i>
<b>Total Resources</b>	<b><u>609,848</u></b>	<b><u>733,280</u></b>	<b><u>722,941</u></b>	<b><u>722,941</u></b>	<b><u>1,050,642</u></b>	<b><u>1,133,233</u></b>
<b>Requirements</b>						
Capital Outlay	<u>87,507</u>	<u>136,534</u>	<u>425,044</u>	<u>425,044</u>	<u>697,409</u>	<u>700,000</u>
<i><b>Subtotal Expenditures</b></i>	<i><b><u>87,507</u></b></i>	<i><b><u>136,534</u></b></i>	<i><b><u>425,044</u></b></i>	<i><b><u>425,044</u></b></i>	<i><b><u>697,409</u></b></i>	<i><b><u>700,000</u></b></i>
Appropriated Fund Balance	<u>522,341</u>	<u>596,746</u>	<u>297,897</u>	<u>297,897</u>	<u>353,233</u>	<u>433,233</u>
<b>Total Requirements</b>	<b><u>609,848</u></b>	<b><u>733,280</u></b>	<b><u>722,941</u></b>	<b><u>722,941</u></b>	<b><u>1,050,642</u></b>	<b><u>1,133,233</u></b>

## Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO0000</b>	<b>Fund 648 General Storm Water &amp; Open Space Projects</b>
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### Project Description

This project accounts for small miscellaneous projects, closed projects and projects that are in the process of starting up. Fund balances and miscellaneous expenditures that are not attributable to a specific project are accounted for in this project. Resources are distributed from this project to other active projects.



### Need for Project

This project allows for tracking of fund balances and miscellaneous expenditures.

### Council Strategic Goal

Maintain, Operate and Expand our Infrastructure to Meet Community Needs  
Objective 5: Ensure storm facility infrastructure needs are met.

**Estimated Total Project Cost:** No true cost is associated with this project.

	Actual Through FY'18	FY'19 Adopted	FY'19 Estimated	FY'20 Adopted	Through FY'20	FY'21 Projected	Future	Total Projects
Investment Interest	97,924				97,924			97,924
AFD	14,864				14,864			14,864
General Fund - Policy & Legislation	46				46			46
Storm Water Ops				350,000	350,000	725,000		1,075,000
Storm Water & Open Space Capital	(45,000)			(300,000)	(345,000)	(675,000)		(1,020,000)
Transportation Capital	1,205				1,205			1,205
<b>Total Resources</b>					<b>119,039</b>			<b>169,039</b>

### Requirements

Expenditures	3,488				3,488			3,488
Transfers/Contingency	60,000				60,000			60,000
<b>Ending Balance by Year</b>	<b>5,551</b>		<b>5,551</b>	<b>55,551</b>	<b>55,551</b>	<b>105,551</b>	<b>105,551</b>	<b>105,551</b>
<b>Total Requirements</b>					<b>63,488</b>			<b>63,488</b>

## Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO6071</b>	<b>TMDL Plan Implementation</b>
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### Project Description

This project will continue implementation of the new stormwater TMDL requirements.

### Need for Project

The City must meet new stormwater TMDL requirements set by DEQ. The 5-year TMDL Implementation Plan was approved by DEQ. The plan includes items such as public education, shading of streams and planting of trees. Future funding for the implementation plan will come from the as yet un-adopted Stormwater Utility.

### Council Strategic Goal

Maintain, Operate and Expand our Infrastructure to Meet Community Needs

Objective 5: Ensure storm facility infrastructure needs are met.

### Future and Ongoing Costs

Plan implementation.

**Estimated Total Project Cost: \$30,000 yearly as available (Project cost revised from \$45,000)**

### Resources

	Actual Through FY'18	FY'19 Adopted	FY'19 Estimated	FY'20 Adopted	Through FY'20	FY'21 Projected	Future	Total Projects
Storm Water & Open Space Capital	(50,000)		29,000	20,000	(1,000)	20,000	40,000	59,000
General Fund - Policy & Legislation	70,000				70,000			70,000
Gas Tax	90,000				90,000			90,000
<b>Total Resources</b>					159,000			219,000

### Requirements

Expenditures	120,681	48,188	18,319	20,000	159,000	20,000	40,000	219,000
Transfers/Contingency					0			0
Ending Balance by Year	(10,681)		0	0	0	0	0	0
<b>Total Requirements</b>					159,000			219,000

## Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO6319</b>	<b>Storm Water Utility &amp; SDC Study</b>
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### Project Description

This project will evaluate and recommend appropriate storm water utility rates and storm water System Development Charges after the Storm Water Master Plan is adopted.

### Need for Project

There is no storm water utility. Currently, non-street related storm water issues are funded by the general fund. After adoption of the storm water master plan, appropriate methodology will be used to help ensure system users pay an appropriate share of the costs. One of the methods to ensure equity among users is the development of a GIS layer depicting impervious surface area.

### Council Strategic Goal

Maintain, Operate and Expand our Infrastructure to Meet Community Needs  
Objective 5: Ensure storm facility infrastructure needs are met.

### Future and Ongoing Costs

Not applicable

**Estimated Total Project Cost: \$110,000** revised from \$65,000 to expand level of effort

### Resources

	Actual Through FY'18	FY'19 Adopted	FY'19 Estimated	FY'20 Adopted	Through FY'20	FY'21 Projected	Future	Total Projects
Storm Water & Open Space Capital	60,000		(44,000)		16,000			16,000
General Fund - Policy & Legislation	100,000				100,000			100,000
<b>Total Resources</b>					116,000			116,000

### Requirements

Expenditures	93,074	14,398	21,426	1,500	116,000			116,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	66,926		1,500	0	0	0	0	0
<b>Total Requirements</b>					116,000			116,000



## Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO6321</b>	<b>General Engineering Services</b>
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### Project Description

This project will fund a variety of small engineering assignments on the City’s stormwater facilities.

### Need for Project

Given the nature of these individual assignments, it is desired for our master services consultant to provide general engineering support and guidance for the overall stormwater program.

### Council Strategic Goal

Maintain, Operate and Expand our Infrastructure to Meet Community Needs

Objective 5: Ensure storm facility infrastructure needs are met.

### Future and Ongoing Costs

General support for the stormwater system.

**Estimated Total Project Cost: \$25,000 per year as funds are available (increased from \$10,000 per year)**

### Resources

	Actual Through FY'18	FY'19 Adopted	FY'19 Estimated	FY'20 Adopted	Through FY'20	FY'21 Projected	Future	Total Projects
Storm Water & Open Space Projects	5,000		15,000	25,000	45,000	25,000	75,000	145,000
General Fund - Policy & Legislation	10,000				10,000			10,000
<b>Total Resources</b>					55,000			155,000

### Requirements

Expenditures	6,764	6,575	20,000	28,236	55,000	25,000	75,000	155,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>8,236</b>		<b>3,236</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					55,000			155,000

## Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO6336</b>	<b>Detention Pond Maintenance/Upgrades</b>
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This project will identify and account for larger maintenance within existing detention pond and wetland areas. The maintenance items might include silt, large debris and dead vegetation removal and replanting of appropriate vegetation.

### Need for Project

Detention ponds and wetland areas require periodic maintenance and upgrades to ensure they function properly. Some of the areas will require permits to perform the correct maintenance activities. This project will provide the funding for permits and maintenance/upgrades.

### Council Strategic Goal

Maintain, Operate and Expand our Infrastructure to Meet Community Needs

Objective 5: Ensure storm facility infrastructure needs are met.

### Future and Ongoing Costs

Routine and periodic maintenance

**Estimated Total Project Cost: \$10,000 per year as funds are available**

### Resources

	Actual Through FY'18	FY'19 Adopted	FY'19 Estimated	FY'20 Adopted	Through FY'20	FY'21 Projected	Future	Total Projects
Gas Tax					0			0
General Fund - Policy & Legislation	25,000				25,000			25,000
Storm Water & Open Space Capital				10,000	10,000	10,000	30,000	50,000
<b>Total Resources</b>					<b>35,000</b>			<b>75,000</b>

### Requirements

Expenditures	12,727	10,000	7,500	14,773	35,000	10,000	30,000	75,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>12,273</b>		<b>4,773</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>35,000</b>			<b>75,000</b>

## Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO6337</b>	<b>Schroeder Lane North SD</b>
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### Project Description

Extend storm drain line from Schroeder Lane and Leonard Road north.

### Need for Project

Currently the storm drain line ends with an invert elevation approximately 6 ½ feet below surface grade. This project will extend the storm drain line to a daylight exit and improve drainage from the south.

### Council Strategic Goal

Maintain, Operate and Expand our Infrastructure to Meet Community Needs

Objective 5: Ensure storm facility infrastructure needs are met.

### Future and Ongoing Costs

Preliminary design will determine routing, correct sizing of new pipe and any permitting requirements. Project cost estimate will be updated accordingly.

**Estimated Total Project Cost:           \$ 1,000,000**

### Resources

	Actual Through FY'18	FY'19 Adopted	FY'19 Estimated	FY'20 Adopted	Through FY'20	FY'21 Projected	Future	Total Projects
Sand Creek SDC	125,000	175,000	175,000	87,900	<b>387,900</b>	25,000	25,000	<b>437,900</b>
Storm Water & Open Space Capital				75,000	<b>75,000</b>	375,000	112,100	<b>562,100</b>
<b>Total Resources</b>					<b>462,900</b>			<b>1,000,000</b>

### Requirements

Expenditures	0	275,000	25,000	437,900	<b>462,900</b>	400,000	137,100	<b>1,000,000</b>
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>125,000</b>		<b>275,000</b>	0	0	0	0	0
<b>Total Requirements</b>					<b>462,900</b>			<b>1,000,000</b>

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## Program: Utilities/Storm Water – Capital Construction

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<b>Project</b>	<b>DO6353</b>	<b>Emergency Storm Drain Projects</b>
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### Project Description

This project provides funding to resolve unanticipated, small storm drain problems which arise throughout the year.

### Council Strategic Goal

Maintain, Operate and Expand our infrastructure to Meet Community Needs

Objective 5: Ensure storm water infrastructure needs are met.

### Need for Project

Drainage problems often appear unexpectedly throughout the community. This project allows the City to respond to these problems as they occur.

### Future and Ongoing Costs

Evaluation and repair of unanticipated deficiencies.

**Estimated Total Project Cost:**        **\$50,000** per year as available

### Resources

	Actual Through FY'18	FY'19 Adopted	FY'19 Estimated	FY'20 Adopted	Through FY'20	FY'21 Projected	Future	Total Projects
Storm Water & Open Space Capital				170,000	<b>170,000</b>	100,000	150,000	<b>420,000</b>
Transportation Capital		50,000	50,000		<b>50,000</b>			<b>50,000</b>
<b>Total Resources</b>					<b>220,000</b>			<b>470,000</b>

### Requirements

Expenditures		50,000	25,000	195,000	<b>220,000</b>	100,000	150,000	<b>470,000</b>
Transfers/Contingency					<b>0</b>			<b>0</b>
<b>Ending Balance by Year</b>	<b>0</b>		<b>25,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>220,000</b>			<b>470,000</b>

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## Program: Utilities/Storm Water – Capital Construction

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<b>Project</b>	<b>DO6371</b>	<b>Replace 5<sup>th</sup> Street Storm Drain Between G – M Streets</b>
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### Project Description

Replace the structurally deficient storm drain line on 5<sup>th</sup> Street between G and M streets.

### Council Strategic Goal

Maintain, Operate and Expand our Infrastructure to Meet Community Needs

Objective 5: Ensure storm facility infrastructure needs are met.

### Need for Project

The current storm drain line was originally a sewer line installed prior to 1927. As the original sewer line began to fail due to age and capacity, it was replaced. The old deficient sewer line was converted to a storm drainage line.

### Future and Ongoing Costs

Preliminary design will determine correct sizing of the new pipe. Project cost estimate will be updated accordingly.

**Estimated Total Project Cost:       \$650,000**

### Resources

	Actual Through FY'18	FY'19 Adopted	FY'19 Estimated	FY'20 Adopted	Through FY'20	FY'21 Projected	Future	Total Projects
Stormwater & Open Space Capital					0	145,000	505,000	650,000
<b>Total Resources</b>					0			650,000

### Requirements

Expenditures					0	145,000	505,000	650,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	0		0	0	0	0	0	0
<b>Total Requirements</b>					0			650,000

## Project Closed – FY 2019

### Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO6320</b>	<b>Storm Water Management Manual</b>
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#### Project Description

The storm water management manual is a technical document outlining storm water management requirements for development and redevelopment projects within the City on both private and public property.

#### Need for Project

This manual will outline requirements and policies regarding storm water infiltration, discharge, flow control and pollution reduction. In addition, the manual will provide design guidelines and specifications for storm water management facilities to meet the City's requirements/policies. The manual will provide operations and maintenance requirements for all projects.

#### Council Strategic Goal:

Maintain, Operate and Expand our Infrastructure to Meet Community Needs  
 Objective 5: Ensure storm facility infrastructure needs are met.

#### Future and Ongoing Costs

Not applicable

**Estimated Total Project Cost: \$80,000** revised from \$50,000

#### Resources

	Actual Through FY'18	FY'19 Adopted	FY'19 Estimated	FY'20 Adopted	Through FY'20	FY'21 Projected	Future	Total Projects
Storm Water & Open Space Projects	30,000				30,000			30,000
Transportation Capital	30,000	20,000	20,000		50,000			50,000
<b>Total Resources</b>					<b>80,000</b>			<b>80,000</b>

#### Requirements

Expenditures	60,243	20,883	19,757		80,000			80,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>-243</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>80,000</b>			<b>80,000</b>