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**ADOPTED BUDGET
CITY OF PORTLAND, OREGON
FISCAL YEAR 2004-2005**

VOLUME THREE
Capital Budget
Project Summaries and Detail

Portland's Skyline and Oaks Bottom Wildlife Refuge

Portland's skyline, appearing above the stillness of the Oaks Bottom Wildlife Refuge, highlights the juxtaposition of human and natural environments. Blending those environments is one of the goals of the City of Portland's River Renaissance strategy. Captured together in this photograph, downtown and the wildlife refuge are only a few miles apart, straddling opposite banks of the Willamette River.

Acquired in 1959, Oaks Bottom is the City's only designated wildlife refuge. The area began as a 120-acre tract of wetland on the east bank of the Willamette River, with part of the park built on a sanitation landfill consisting of 400,000 cubic feet of construction waste material layered with soil. The refuge of now more than 160 acres is a rare phenomenon: a natural wetland existing in the heart of a city.

A rich and varied habitat area, Oaks Bottom is a birdwatcher's paradise. Hawks, eagles, quail, pintails, mallards, coots, woodpeckers, kestrels, and widgeon are some of the birds one might encounter, not to mention Portland's official bird, the great blue heron.

The picture was taken by Sallie Edmunds and is part of the photograph collection of the Portland Bureau of Planning.

Adopted Budget

City of Portland, Oregon

Fiscal Year 2004-05

Volume Three

Capital Improvement Plan

Mayor Vera Katz

Commissioner Jim Francesconi

Commissioner Randy Leonard

Commissioner Dan Saltzman

Commissioner Erik Sten

Auditor Gary Blackmer

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Budget Award

The Government Finance Officers Association of the United States and Canada (GFOA) presented an award of Distinguished Budget Presentation to the City of Portland, Oregon for its annual budget for the fiscal year beginning July 1, 2003.

In order to receive this award, a governmental unit must publish a budget document that meets program criteria as a policy document, as an operations guide, as a financial plan, and as a communication device.

The award is valid for a period of one year only. We believe our current budget document continues to conform to program requirements, and we are submitting it to GFOA to determine its eligibility for another award.



User's Guide

The FY 2004–05 Adopted Budget document consists of three volumes. Volume One contains general information about the City of Portland budget and presents the proposed budgets of the City's bureaus and offices. Volume Two has information about the City's funds, and Volume Three contains detail on the City's capital projects.

VOLUME ONE - BUREAU BUDGETS, PROGRAMS, AND SERVICES

User's Guide	This outline describes the elements of Volume One.
Mayor's Message	Mayor Vera Katz presents a budget message, highlighting the challenges, opportunities, uncertainties and decisions that she and the City have faced in the development of the Adopted Budget for FY 2004–05.
Overviews	<p>City Overview</p> <p>The City Overview provides general information on Portland, its demographics, and its government management systems.</p> <p>Budget Overview</p> <p>The Budget Overview summarizes the City budget from a technical perspective, links decisions and programs to City Council goals and strategic issues, presents Citywide data and summarizes the budget decisions incorporated into the Adopted Budget.</p> <p>Financial Overview</p> <p>The Financial Overview provides a summary of the financial planning process and the five-year financial forecast. It also highlights key revenue and expenditure trends and issues.</p>
Financial Summaries	These are a series of financial summaries of operating and capital revenues and expenditures, both Citywide and for specific bureaus and funds.
Service Area Information	<p>City bureaus are categorized into service areas based on the nature of their programs and services. Each service area section of the budget document presents a summary description and highlights of the relevant bureaus. This is followed by the proposed budgets for each bureau in the service area.</p> <ul style="list-style-type: none"> ◆ Public Safety ◆ Parks, Recreation, and Culture ◆ Public Utilities ◆ Community Development ◆ Transportation and Parking ◆ Legislative, Administrative, and Support Services

VOLUME TWO - CITY FUNDS

Financial Summaries	Tables at the front of Volume Two summarize the City budget across all funds. The tax levy computations and urban renewal tax certifications are included. Tables summarizing outstanding debt held by the City complete the financial summaries.
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Fund Summaries	Presented in the same service area order as Volume One, this section details the resources and expenditures of each City fund, with brief supporting narrative.
Financial Plans	The financial plans of the General Fund and the enterprise funds are included to provide a more detailed information about the financial context and implementation decisions made in this budget
Financial Policies	These policies provide a framework for financial and budgetary decisions, especially during times of constricting resources in tension with increasing expectations for services. Financial policies also provide for a basis for stability over time, counterbalancing more immediate interests and issues.
Ordinances	The ordinances that formally adopt the budget and levy taxes are included here. Also presented is the letter of certification of the City's Approved Budget by the Multnomah County Tax Supervising and Conservation Commission.

VOLUME THREE – CAPITAL BUDGET

Introduction	The section provides an introduction to the City's Capital Improvement process and explains the decision process for General Fund projects.
Overview	The overview of the five-year capital budget includes highlights of the FY 2004–05 capital budget of the General Fund and other funds with capital projects.
Citywide Summary	Various tables present the projects by Service Area, including anticipated changes to operating and maintenance costs. The tables also present a five-year forecast of the capital budgets.
Capital Projects Detail	This section describes each capital project, its location, five-year cost estimates and sources of revenue for the projects, and any change to operating and maintenance costs. The projects are presented by bureau with service area.

QUESTIONS

If you have any questions about the use of the document, or the City's budget, please call the Financial Planning Division in the Office of Management and Finance at (503) 823-5288.

Introduction

OVERVIEW

The City of Portland's five-year capital improvement plan (CIP) budget implements the City's policy of preserving its current physical assets and planning for future capital investments. The CIP budget provides details on City projects that support and enhance the delivery of basic services and infrastructure improvements. These projects reflect the bureaus' prioritization of capital replacement and enhancement projects, estimations of project costs, and identification of the funding sources.

The City maintains a "Aaa" bond rating, the highest available to a municipality.

The City has been following a capital planning and budgeting process since FY 1974-75. The Council's commitment to maintaining the City's capital infrastructure has contributed to the maintenance of a "Aaa" bond rating, the highest level attainable by a municipality, for the last 29 years.

DEFINITION OF CAPITAL

Projects contained in the CIP budget address or enhance the City's assets and meet one of the following criteria:

- ◆ New construction, expansion, acquisition, renovation, or replacement of existing facilities (including the cost of land, engineering, architectural planning, and contractual services) that require a total expenditure of at least \$10,000 over the life of the project, or
- ◆ Major equipment with a cost of \$50,000 or more with a useful life of at least ten years, or
- ◆ Major maintenance or rehabilitation of existing facilities that require an expenditure of \$10,000 or more and have an economic life of at least ten years.

PROJECT DETAIL

In addition to an overview of the service area and bureau CIP narrative, each service area contains the details of all anticipated CIP projects. The project details include program and project titles, objective, geographic area, project description, funding sources, project costs, and net operating and maintenance costs. Descriptions are provided below for items that may not be self-explanatory.

Objectives

Bureaus are required to indicate which of the following five objectives best describes their capital projects:

Maintenance: These projects are necessary to prevent deterioration or return a facility to its original condition.

Replacement: Projects that correct existing deficiencies by replacing worn out parts of the capital system. For example, these projects may include replacement of sewer lines, streets, or new facilities that relieve an existing overload.

Mandated: Mandated projects are required by the City to satisfy federal and/or state regulatory requirements or to meet general public safety standards. Examples include seismic retrofits or improvements, Americans with Disabilities Act (ADA) improvements, environmental cleanup and asbestos removal, security improvements, and fire alarm systems.

Expansion: Expansion includes projects or facilities that expand the system's current service area, such as service to newly annexed areas or extension to undeveloped or unserved areas. Projects undertaken by the City to meet new demands are intended to be consistent with the bureaus' long-range facilities plan and land use densities provided in the Comprehensive Plan, while not diminishing the ability to serve existing City residents and properties.

Efficiency: These projects are aimed at making the system more efficient through the use of technological improvements or other means. Generally speaking, these projects should save overall financial resources or provide more services without requiring additional resources.

Geographic Area

Each CIP project specifies the area within the city of Portland in which the project is located. The table below shows the geographic codes for all projects.

Geographic Area Codes

Code	Geographic Area
ALL	Citywide
CC	Central City
E	East
N	North
NE	Northeast
NW	Northwest
S	South
SE	Southeast
SW	Southwest
Undefined	No Geographic Area Defined
W	West

Funding Sources

Funding sources are tracked either on a project, program, or bureau basis. Funding categories include:

- ◆ Bureau Revenues: Interagency revenue, cash transfers, rents, etc.
- ◆ General Fund Discretionary: General Fund revenue can be ongoing or one-time.
- ◆ General Obligation (GO) Bonds: GO bonds are voter approved and typically paid through property taxes.
- ◆ General Transportation Revenue: City's share of state gas tax revenues, plus local parking revenues.
- ◆ Grants: Federal, state, and local grant funding.
- ◆ Intergovernmental Revenue: Revenue from the state and other local jurisdictions.
- ◆ Local Improvement Districts (LID's): The LID process provides a tool for citizens to obtain needed improvements in their neighborhoods; LID improvements can be financed through the sale of bonds that are paid by assessments against LID property owners.

- ◆ Revenue Bonds: These bonds are generally issued by the public utilities and paid through water and sewer rates.
- ◆ Service Charges and Fees: Permit or user fees, such as for the golf courses.
- ◆ Service Reimbursements: Through interagency agreements.
- ◆ System Development Charges: System development charges are designed to finance the purchase or development of a public park or recreational facility or the construction, extension, or enlargement of a street or water or sewer system.
- ◆ Tax Increment Financing: Urban renewal areas use future tax revenues to pay for revitalization efforts, which are financed through urban renewal bonds. As property values increase, the incremental tax revenue pays off the bonds.
- ◆ Other Funding Types: Fund balance, other, or unfunded.

Project Cost

Cost schedules are categorized by the following four types of activities:

- ◆ Planning
- ◆ Design and project management
- ◆ Site acquisitions
- ◆ Construction and equipment

Fund Level Cost

The Office of Management and Finance's (OMF) Bureau of General Services (BGS) undertakes projects on behalf of many of the City's bureaus. These projects may be completed either by BGS or contracted out, both of which require project management. BGS recovers these management costs by charges to bureaus at the fund level.

Net Operating and Maintenance Costs

Operating and maintenance (O&M) costs reflect the net ongoing operating costs associated with the project. These include additional O&M costs for new facilities, or savings that may be associated with the replacement of old equipment or new facilities requiring less maintenance.



Overview of Capital Budgeting

PLANNING PROCESS

Regulatory Requirements

The City's capital budgeting and planning process is consistent with the State of Oregon Administrative Rules, Division 11, Section 6600-11-010, which require the City to develop and maintain public facilities plans. In addition, the CIP must be consistent with the City's Comprehensive Plan and City Council priorities, which are updated annually, and other types of planning documents.

Public Facilities Plans

The City has completed public facilities plans for each of the major capital bureaus. These include the bureaus of Environmental Services; Water Works; Transportation; Parks and Recreation; Fire, Rescue, and Emergency Services; Police; and General Services. The existing public facilities plans, as a whole, provide a framework for the provision of urban public facilities and services within Portland's urban service boundary.

Comprehensive Plan

Some Citywide goals in the Comprehensive Plan relate directly to capital planning.

The Comprehensive Plan Goals and Policies has been adopted and updated regularly by City Council since 1981. The document is available on the City's web site: www.planning.ci.portland.or.us/pl_comp.html. The Comprehensive Plan includes the following goals related to capital planning.

Urban Development (Goal 2): Maintain Portland's role as the major regional employment, population, and cultural center through public policies that encourage expanded opportunity for housing and jobs, while retaining the character of established residential neighborhoods and business centers.

Neighborhoods (Goal 3): Preserve and reinforce the stability and diversity of the city's neighborhoods while allowing for increased density in order to attract and retain long term residents and businesses and ensure the city's residential quality and economic vitality.

Housing (Goal 4): Enhance Portland's vitality as a community at the center of the region's housing market by providing housing of different types, tenures, density, sizes, costs and locations that accommodate the needs, preferences, and financial capabilities of current and future households.

Economic Development (Goal 5): Foster a strong and diverse economy that provides a full range of employment and economic choices for individuals and families in all parts of the city.

Transportation (Goal 6): Develop a balanced, equitable, and efficient transportation system that provides a range of transportation choices; reinforces the livability of neighborhoods; supports a strong and diverse economy; reduces air, noise, and water pollution; and lessens reliance on the automobile while maintaining accessibility.

Environment (Goal 8): Maintain and improve the quality of Portland's air, water, and land resources, and protect neighborhoods and business centers from detrimental noise pollution.

Public Facilities (Goal 11): Provide a timely, orderly, and efficient arrangement of public facilities and services that support existing and planned land use patterns and densities.

Process Objectives

The CIP process helps coordinate the planning and implementing of capital projects.

The CIP planning process is intended to provide guidance in constructing budgets and implementing projects in a coordinated manner to accomplish the following objectives:

- ◆ Ensure coordination among City bureaus in planning and implementing capital projects.
- ◆ Ensure available capital resources, especially for General Fund bureaus, are allocated to the City's highest priority projects.
- ◆ Identify for the City Council both short and long term problems, opportunities, and policy issues resulting from bureau capital expenditure plans.
- ◆ Assess the short and long term financial impacts of capital projects on individual bureaus and the City as a whole, including an assessment of the impact on rates, debt, and revenue, as well as operations and maintenance costs.
- ◆ Ensure annual capital improvement submissions are consistent with legally required capital public facility plans.

CAPITAL BUDGET PROCESS

All bureaus that plan capital expenditures are required to develop capital budgets. In general, CIP budget development includes the following steps:

Bureaus

Each bureau develops five-year financial plans that detail the operating and capital requirements of the bureau and sources of funding. Simultaneously, the bureau develops a five-year capital improvement plan consistent with the financial plan. Needs are identified based on service levels, projects are proposed and analyzed for costs and benefits, requirements are prioritized, and available resources and/or funding strategies are identified.

Public Input

Citizens have several opportunities to provide input in the budget process.

Public input on both the operating and capital spending priorities is received via community budget forums.

For selected bureaus, the financial and capital plans are reviewed by citizen groups, such as the Portland Utility Review Board (PURB) for the bureaus of Environmental Services and Water Works. The PURB is comprised of citizens who provide independent and representative customer review of water, sewer, and solid waste financial plans, rates, and budgets, including the CIPs of those utilities. Similarly, the Transportation Bureau Advisory Committee, made up of citizens appointed by the Commissioner-in-Charge, reviews the CIP for the Office of Transportation, and the Parks Advisory Board reviews Portland Parks and Recreation's CIP.

Review by Financial Planning

The capital and financial plans are reviewed by OMF's Financial Planning Division for reasonable assumptions, viable financing approaches, comprehensive consideration of available financing options, impacts on others such as ratepayers, and consistency with the City's Comprehensive Financial Policy. In addition, the impacts of the projects on operating and maintenance costs are identified. Recommendations may be made to specific bureaus and directly to the City Council.

Capital Review Committee

For General Fund-supported projects, the Capital Review Committee (CRC), comprised of the bureaus seeking General Fund support, is convened to review requests for General Fund capital support and to make funding recommendations to the City Council. The CRC was convened to review FY 2004–05 capital requests.

Eight criteria for General Fund projects

The criteria used to evaluate General Fund capital project requests are as follows:

- ◆ **Mandated:** The project addresses a legal mandate.
- ◆ **Major Council Objective:** The project meets one or more of the major Council objectives established at the Council retreat.
- ◆ **Decrease City's Unfunded Liability:** The project reduces the City's capital maintenance backlog identified in the public facility plans.
- ◆ **Return on Investment:** The project shows a favorable return on investment or significantly reduces future costs.
- ◆ **Multi-Year Projects:** The project addresses a prior-year commitment for funding.
- ◆ **Safety Oriented:** The project is oriented towards safety of employees and/or the public.
- ◆ **Labor Intensive/Economically Disadvantaged:** The project provides for significant job creation and/or employment opportunities for minorities, or impacts economically disadvantaged areas of the city.
- ◆ **Community Plan Priority:** The project is shown as a high priority in an adopted community plan.

City Council

Once the CIP budget is finalized, it is submitted to the City Council for review. After public hearings, the capital budgets for the upcoming year, along with the operating budgets, are approved and adopted.

PROCESS IMPROVEMENTS**Capital Oversight Committee Formed**

A Capital Oversight Committee composed of senior managers in the CIP bureaus has been formed to better coordinate the Citywide CIP development and implementation process. Bureau representatives meet as needed to identify where capital projects can be integrated to decrease costs and develop a coordinated, citywide public involvement process for developing capital improvement plans.

Mapping Interface with the Geographic Information System

A mapping interface has been developed between the bureaus' CIPs and the City's Geographic Information System (GIS), which allows bureaus to map their capital projects as they develop their capital plans. CIP project details and maps are also available to the public over the Internet at www.PortlandMaps.com.



Citywide Summary

OVERVIEW

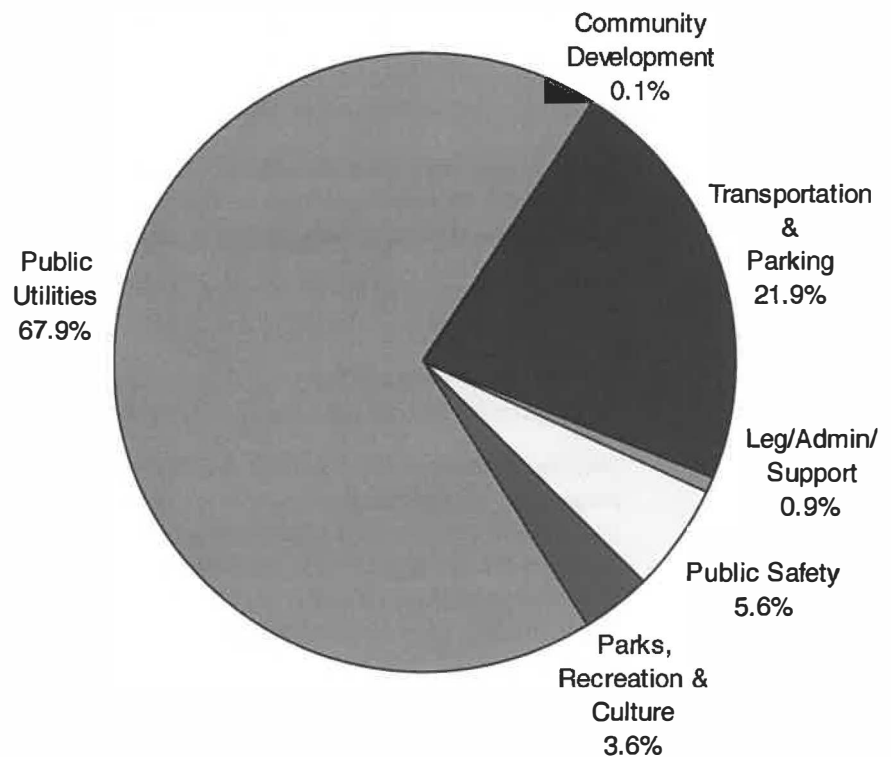
The City of Portland's FY 2004–05 Adopted CIP Budget is \$276.4 million. The Citywide CIP budget for FY 2004–05 through FY 2008–09 (FY 2005–09) is projected to be \$1.3 billion.

CIP Budget by Service Area

The Citywide CIP budget is summarized by bureau for each service area in the Citywide Capital Costs table at the end of this section, and is graphically shown below. More details of service area and bureau CIP budgets are contained in the sections that follow.

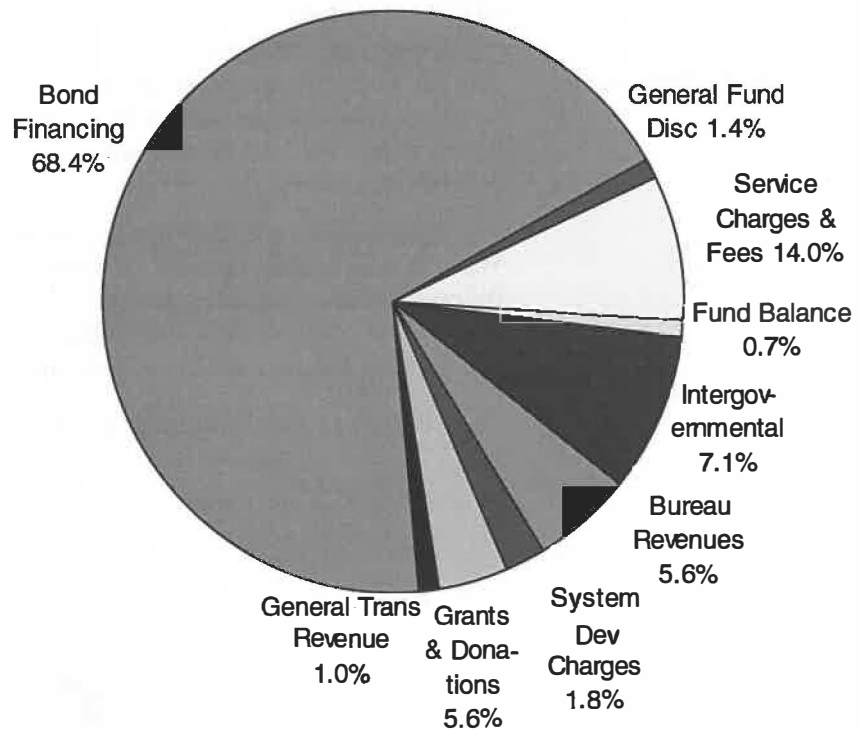
The Public Utilities service area, including the bureaus of Environmental Services and Water Works, has the largest CIP budget in FY 2004–05 at \$187.8 million. This is followed by Transportation and Parking at \$60.7 million; Public Safety at \$15.4 million; Parks, Recreation, and Culture at \$9.9 million; Legislative, Administrative, and Support Services at \$2.5 million; and Community Development at \$171,400.

Figure 1: CIP Budget by Service Area



Sources of Funding

Funding for CIP projects is primarily provided through bond financing, service charges and fees, intergovernmental revenues, bureau revenues, and grants and donations. CIP funding sources are summarized by service area in the table at the end of this section, and are shown in the following chart.

Figure 2: CIP Budget by Funding Source

Bond Financing: Total bond financing, including revenue bonds, general obligation bonds, local improvement district (LID) financing, tax increment financing, and other financing resources, is budgeted to be about \$190.3 million.

Service Charges and Fees: Service charges and fees, which are mainly utility rates, account for approximately \$22.2 million of resources.

System Development Charges: System development charges are fees charged for new developments and account for \$6.2 million of the total.

General Fund: In FY 2004–05 the General Fund will contribute \$3.1 million to capital projects. The requests for General Fund resources for capital projects far exceed the available resources. This situation has existed for many years, especially since Measures 47 and 50 were approved in FY 1996–97. It occurs because the General Fund is often the only available resource to finance projects by or for General Fund bureaus, primarily those in the Public Safety, Legislative/Administrative, and parts of the Transportation and Parks service areas.

Bureau Revenues: Bureau revenues are budgeted to be nearly \$15.4 million in FY 2004–05. These include revenues from interagency agreements, cash transfers, service reimbursements, rents, land sales, and partnerships.

General Transportation Revenue: General transportation revenue, mainly gas tax revenues, are projected to be about \$1.4 million.

Fund Balance Revenues: Fund balance revenues are carryovers from the previous fiscal year and are estimated at \$1.9 million.

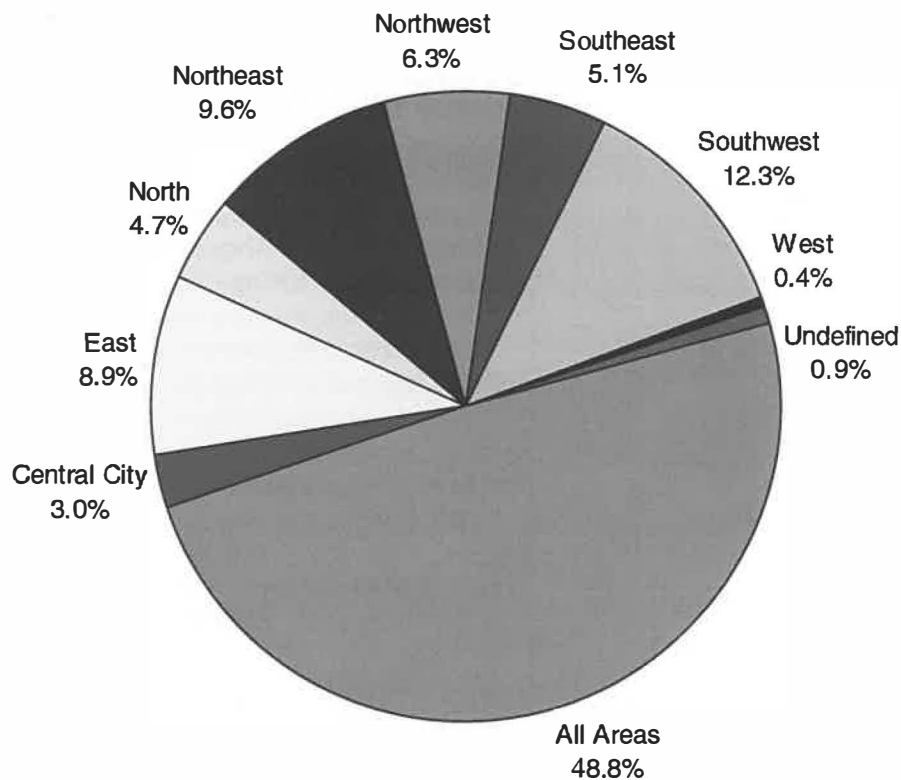
Grants and Donations: Grant and donation revenue includes proceeds from federal and state grants and donations from other governmental units or developers' contributions. They are budgeted to be nearly \$11.4 million.

Intergovernmental: Intergovernmental revenues include proceeds from state loans, local revenue and cost sharing, and resources from other governmental units, such as Metro. They are budgeted to be nearly \$24.6 million.

CIP Budget by Geographic Area

CIP budgets by geographic area are shown by service area in the table at the end of this section and graphically below. Capital projects in the Central City district account for \$8.2 million the total City capital budget in FY 2004–05. Capital projects categorized as all areas or citywide are \$134.9 million, north are \$10.8 million, northeast are about \$26.5 million, southeast are \$14.0 million, northwest are \$17.5 million, east are \$24.6 million, southwest are \$34.0 million, and west are nearly \$1.0 million. Some capital projects overlap districts and are reflected in calculations for more than one geographic area.

Figure 3: CIP Budget by Geographic Area



Operating and Maintenance

Net operating and maintenance (O&M) costs or savings associated with capital projects can be from new facilities or replacement and rehabilitation of current facilities. If a capital project will not increase or decrease current O&M costs, then net O&M costs/savings are zero. Net O&M costs are shown by bureau for each service area in the table at the end of this section. O&M costs in FY 2004–05 increase \$282,085 Citywide. The Public Utilities service area accounts for \$174,500 of the increase, with the remaining \$107,585 from Parks, Recreation, and Culture.

GENERAL FUND SUPPORTED PROJECT SUMMARY

General Fund projects are supported by discretionary funding and may be appropriated from the General Fund Capital Set-Aside, carryover from prior years, or by other Council actions. The following table summarizes the allocation of the General Fund Capital Set-Aside in FY 2004–05.

The General Fund Capital Set-Aside for FY 2004–05 is \$1.8 million, net of debt service. Of this, \$135,000 is allocated to the Fire Bureau, about \$928,000 to Parks and Recreation, \$400,000 to the Office of Transportation for street lighting, and \$350,000 to OMF for the 800 MHz system.

FY 2004–05 General Fund Capital Set-Aside Projects

Bureau/Project	Amount
Bureau of Fire, Rescue, and Emergency Services	
Apparatus Replacement	100,000
Linnton Training Site Clean-up	35,000
	<u>\$135,000</u>
Portland Parks and Recreation	
Killingsworth Land Acquisition	125,000
Three Bridges - Springwater Corridor	125,000
University Park Phase II Grant Match	250,000
Westmoreland Renovation Grant Match	200,000
Parks Maintenance Facility	228,044
	<u>\$928,044</u>
Office of Transportation	
Street Lighting Projects	\$400,000
Office of Management & Finance	
800 MHz System Major Maintenance	\$350,000
Grand Total	<u>\$1,813,044</u>

Note: The \$100,000 for Fire apparatus replacement is in addition to the \$1.0 million included in the bureau's budget. In prior years, the full appropriation for apparatus replacement was reported in this table.

Capital Improvement Plan — Citywide

CAPITAL COSTS - TABLE 1

This table summarizes project costs by the bureaus within each service area.

Service Area	Revised		Adopted	Capital Plan				
	Prior Years	FY 2003-04		FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total
Bureau								
Public Safety								
Bureau of Fire, Rescue & Emergency	1,606,868	1,033,004	1,156,956	1,509,220	1,525,933	1,543,231	1,561,136	7,296,476
Office of Management & Finance	3,104,191	5,846,935	14,214,222	7,276,600	20,817,420	30,667,495	115,245,115	188,220,852
Total Public Safety	4,711,059	6,879,939	15,371,178	8,785,820	22,343,353	32,210,726	116,806,251	195,517,328
Parks, Recreation, and Culture								
Bureau of Parks and Recreation	4,967,469	11,103,663	9,383,745	18,402,503	16,964,475	10,553,225	6,708,225	62,012,173
Spectator Facilities	0	850,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Total Parks, Recreation and Culture	4,967,469	11,953,663	9,883,745	18,902,503	17,464,475	11,053,225	7,208,225	64,512,173
Public Utilities								
Bureau of Environmental Services	85,379,579	134,740,371	140,047,937	92,600,494	73,334,203	110,660,200	165,565,073	582,207,907
Bureau of Water Works	36,532,300	46,322,400	47,763,000	65,037,000	72,152,000	74,307,000	64,734,000	323,993,000
Total Public Utilities	121,911,879	181,062,771	187,810,937	157,637,494	145,486,203	184,967,200	230,299,073	906,200,907
Community Development								
Office of Management & Finance	0	118,340	171,400	1,076,450	675,000	0	139,000	2,061,850
Total Community Development	0	118,340	171,400	1,076,450	675,000	0	139,000	2,061,850
Transportation and Parking								
Office of Transportation	7,937,645	27,311,701	59,885,441	42,132,650	29,585,842	7,075,481	4,166,145	142,845,559
Office of Management & Finance	0	0	783,000	912,000	901,000	720,000	897,500	4,213,500
Total Transportation and Parking	7,937,645	27,311,701	60,668,441	43,044,650	30,486,842	7,795,481	5,063,645	147,059,059
Legislative, Administrative & Support Svcs								
Office of Management & Finance	0	385,333	2,466,250	3,982,000	1,271,667	3,044,501	3,877,750	14,642,168
Total Legislative, Admin. & Support Svcs	0	385,333	2,466,250	3,982,000	1,271,667	3,044,501	3,877,750	14,642,168
Total City Capital Plan	\$139,528,052	\$227,711,747	\$276,371,951	\$233,428,917	\$217,727,540	\$239,071,133	\$363,393,944	\$1,329,993,485

Capital Improvement Plan — Citywide

CAPITAL FUNDING - TABLE 2

This table summarizes project funding by source within each service area.

Service Area		Revised	Adopted	Capital Plan				
Fund Category	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5-Year Total
Public Safety								
Fund Balance (Internal)	869,274	0	0	0	0	0	0	0
General Fund	1,864,818	1,283,004	1,506,956	1,992,220	2,008,933	2,026,231	2,044,136	9,578,476
General Obligation Bonds	1,570,000	5,175,000	10,286,000	5,549,000	8,726,000	3,282,000	0	27,843,000
Land Sales	0	0	0	0	313,000	0	0	313,000
Local Cost Sharing	0	0	0	0	921,000	0	0	921,000
Rents	0	0	3,014,600	827,600	979,600	584,600	632,600	6,039,000
Service Reimbursements	406,967	421,935	563,622	417,000	417,000	417,000	417,000	2,231,622
Unfunded	0	0	0	0	8,977,820	25,900,895	113,712,515	148,591,230
Total Public Safety	4,711,059	6,879,939	15,371,178	8,785,820	22,343,353	32,210,726	116,806,251	195,517,328
Parks, Recreation, and Culture								
Federal Grants	1,340,000	964,645	759,135	5,120,250	1,316,250	0	0	7,195,635
Fund Balance (Internal)	0	75,670	539,289	0	0	0	0	539,289
General Fund	275,000	954,825	1,151,117	1,400,000	1,300,000	1,400,000	2,685,000	7,936,117
Golf Fees	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Grants & Donations	0	179,733	156,738	1,090,000	20,000	20,000	295,000	1,581,738
Interagencies Bureau Revenues	47,000	518,000	1,118,056	1,169,000	400,000	500,000	0	3,187,056
Intergovernmental	0	372,500	0	0	0	1,500,000	0	1,500,000
Other Financing	0	212,633	79,645	1,067,528	3,050,000	1,050,000	940,000	6,187,173
Parks Levy	0	498,500	2,775,953	5,052,500	4,465,000	1,045,000	0	13,338,453
Partnerships	25,000	50,000	0	0	2,800,000	2,000,000	0	4,800,000
Rents	0	850,000	500,000	500,000	500,000	500,000	500,000	2,500,000
System Development Charges	3,080,469	3,194,548	1,397,433	1,163,225	1,413,225	2,838,225	2,538,225	9,350,333
Tax Increment Financing	0	3,882,609	1,206,379	2,140,000	2,000,000	0	50,000	5,396,379
Total Parks, Recreation and Culture	4,967,469	11,953,663	9,883,745	18,902,503	17,464,475	11,053,225	7,208,225	64,512,173
Public Utilities								
Grants & Donations	2,795,200	0	1,693,464	996,200	32,000	0	0	2,721,664
Other Financing	2,016,306	3,073,357	3,073,356	7,036,660	6,612,803	2,633,975	4,041,882	23,398,676
Revenue Bonds	99,792,983	152,055,197	153,965,063	123,309,903	115,334,909	157,830,802	196,466,109	746,906,778
Service Charges & Fees	13,417,390	21,017,436	21,991,054	15,869,739	13,266,491	18,397,423	26,186,082	95,710,789
Service Reimbursements	3,890,000	5,033,000	7,088,000	10,425,000	10,240,000	6,105,000	3,605,000	37,463,000
Total Public Utilities	121,911,879	181,062,771	187,810,937	157,637,494	145,486,203	184,967,200	230,299,073	906,200,907
Community Development								
Grants & Donations	0	81,900	112,225	924,779	0	0	0	1,037,004
Intergovernmental	0	0	10,825	89,202	0	0	0	100,027
Rents	0	36,440	48,350	62,469	675,000	0	139,000	924,819
Total Community Development	0	118,340	171,400	1,076,450	675,000	0	139,000	2,061,850
Transportation and Parking								
Bureau Revenues	98,300	377,090	557,593	21,000	41,500	9,000	25,000	654,093
Federal Grants	516,909	297,440	1,617,612	12,484,330	3,469,175	584,173	168,848	18,324,138
Fund Balance	132,590	132,500	1,337,321	21,000	41,500	9,000	25,000	1,433,821
General Fund	350,000	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
General Transportation Revenue	663,029	1,801,212	1,449,210	1,479,992	1,480,000	1,480,000	1,480,000	7,369,202
Grants & Donations	0	1,261,104	7,024,390	0	0	0	0	7,024,390
Intergovernmental	4,662,327	15,357,783	24,545,953	19,318,366	13,406,639	2,915,793	345,827	60,532,578
Local Improvement District	20,198	293,969	15,567,930	2,217,118	2,244,596	230,211	235,966	20,495,821
Other Financing	864,779	4,890,242	3,363,516	2,973,104	3,009,104	2,167,304	2,383,004	13,896,032
System Development Charges	629,513	2,500,361	4,804,916	4,129,740	6,394,328	0	0	15,328,984
Total Transportation and Parking	7,937,645	27,311,701	60,668,441	43,044,650	30,486,842	7,795,481	5,063,645	147,059,059
Legislative, Administrative & Support Svcs								
Cash Transfers	0	0	445,000	301,250	255,250	815,584	486,584	2,303,668
Rents	0	385,333	1,521,250	828,750	743,417	2,030,917	3,138,166	8,262,500
Service Reimbursements	0	0	500,000	2,852,000	273,000	198,000	253,000	4,076,000
Total Legislative, Admin. & Support Svcs	0	385,333	2,466,250	3,982,000	1,271,667	3,044,501	3,877,750	14,642,168
Total City Capital Plan	\$139,528,052	\$227,711,747	\$276,371,951	\$233,428,917	\$217,727,540	\$239,071,133	\$363,393,944	\$1,329,993,485

Capital Improvement Plan — Citywide

GEOGRAPHIC SUMMARY - TABLE 3

This table summarizes project costs by geographic area within each service area.

Service Area		Revised	Adopted	Capital Plan				
Geographic Area	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total
Public Safety								
All Areas	3,551,059	4,477,939	4,060,578	2,374,220	2,390,933	2,408,231	2,426,136	13,660,098
Central City	0	0	2,641,600	517,600	494,600	494,600	24,043,490	28,191,890
East	0	0	0	0	0	0	48,000	48,000
North	0	321,000	805,000	0	0	0	0	805,000
Northeast	0	0	306,000	612,000	395,000	7,123,480	7,123,480	15,559,960
Northwest	35,000	668,000	2,336,000	35,000	35,000	35,000	14,281,960	16,547,960
Southeast	1,125,000	661,000	2,978,000	531,000	1,625,000	264,000	14,336,960	19,734,960
Southwest	0	752,000	2,244,000	4,716,000	8,448,000	3,108,000	14,246,960	32,762,960
Undefined	0	0	0	0	8,954,820	18,777,415	40,299,265	68,031,500
Total Public Safety	4,711,059	6,879,939	15,371,178	8,785,820	22,343,353	32,210,726	116,806,254	195,517,328
Parks, Recreation, and Culture								
All Areas	3,280,469	4,205,218	2,594,893	1,840,725	2,003,225	3,003,225	3,198,225	12,870,293
Central City	0	3,120,000	399,592	2,100,000	7,900,000	4,950,000	0	15,349,592
East	0	530,745	411,010	1,375,000	4,275,000	0	0	6,061,010
North	1,200,000	1,097,578	753,773	3,792,000	50,000	1,050,000	1,150,000	6,795,773
Northeast	125,000	699,733	865,109	400,000	400,000	600,000	500,000	2,765,109
Northwest	0	435,000	330,397	600,000	450,000	300,000	200,000	1,880,397
Southeast	337,000	816,755	2,203,052	8,639,250	2,066,250	900,000	2,140,000	15,948,552
Southwest	25,000	698,633	2,325,919	155,528	320,000	20,000	20,000	2,841,447
Total Parks, Recreation and Culture	4,967,469	11,953,663	9,883,745	18,902,503	17,464,475	11,053,225	7,208,225	64,512,173
Public Utilities								
All Areas	75,416,082	131,939,793	125,647,998	87,519,722	54,243,365	38,644,000	34,309,000	340,364,085
Central City	180,000	570,000	750,000	1,250,000	1,400,000	5,000,000	6,000,000	14,400,000
East	17,167,950	25,509,917	23,864,736	39,490,914	61,426,000	121,775,000	146,949,000	393,505,650
North	800,000	3,161,227	9,624,442	5,250,500	1,700,000	2,500,000	6,610,000	25,684,942
Northeast	7,845,000	7,485,591	14,051,711	13,754,658	8,836,538	5,061,300	4,888,400	46,592,607
Northwest	8,886,230	3,505,610	6,832,700	4,835,000	1,800,000	600,000	13,000,000	27,067,700
Southeast	6,165,490	5,478,633	5,047,100	4,821,700	15,065,300	8,736,900	15,242,673	48,913,673
Southwest	2,495,127	2,392,000	1,392,250	65,000	565,000	2,500,000	3,150,000	7,672,250
West	2,656,000	600,000	0	0	0	0	0	0
Undefined	300,000	420,000	600,000	650,000	450,000	150,000	150,000	2,000,000
Total Public Utilities	121,911,879	181,062,771	187,810,937	157,637,494	145,486,203	184,967,200	230,299,073	906,200,907
Community Development								
Central City	0	118,340	171,400	1,076,450	675,000	0	139,000	2,061,850
Total Community Development	0	118,340	171,400	1,076,450	675,000	0	139,000	2,061,850
Transportation and Parking								
All Areas	986,455	2,149,238	2,129,899	2,609,402	2,409,649	2,398,191	2,468,391	12,015,532
Central City	350,000	400,000	2,503,982	1,561,210	2,373,376	1,120,000	1,297,500	8,856,068
East	0	187,731	391,847	154,552	0	0	0	546,399
West	687,785	413,230	960,177	1,767,663	0	0	0	2,727,840
North	3,232,112	3,637,245	1,849,437	1,099,729	1,417,087	0	0	4,366,253
Northeast	727,339	8,560,883	11,238,063	17,808,244	17,100,482	2,840,140	0	48,986,929
Northwest	336,075	1,066,454	8,017,242	301,550	0	0	0	8,318,792
Southeast	1,336,399	2,101,369	3,638,870	243,345	1,610,349	322,848	168,848	5,984,260
Southwest	281,480	4,674,082	28,080,819	16,281,995	4,346,811	361,978	370,827	49,442,430
Undefined	0	4,121,469	1,858,105	1,216,960	1,229,088	752,324	758,079	5,814,556
Total Transportation and Parking	7,937,645	27,311,701	60,668,441	43,044,650	30,486,842	7,795,481	5,063,645	147,059,059
Legislative, Administrative & Support Svcs								
All Areas	0	0	500,000	143,000	273,000	198,000	253,000	1,367,000
Central City	0	385,333	1,770,250	3,651,000	771,667	2,779,501	3,624,750	12,597,168
Northeast	0	0	30,000	188,000	0	28,000	0	246,000
Southeast	0	0	166,000	0	227,000	39,000	0	432,000
Total Legislative, Admin. & Support Svcs	0	385,333	2,466,250	3,982,000	1,271,667	3,044,501	3,877,750	14,642,168
Total City Capital Plan	\$139,528,052	\$227,711,747	\$276,371,951	\$233,428,917	\$217,727,540	\$239,071,133	\$363,393,944	\$1,329,993,485

Capital Improvement Plan — Citywide

OPERATING & MAINTENANCE - TABLE 4

This table summarizes estimated net operating and maintenance costs or savings by the bureaus within each service area.

Service Area	Bureau	Revised	Adopted	Capital Plan					5-Year Total
		Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	
Public Safety									
	Bureau of Fire, Rescue & Emergency	0	0	0	0	0	0	0	0
	Office of Management & Finance	0	0	0	0	541,000	880,000	2,000,000	3,421,000
Total Public Safety		0	0	0	0	541,000	880,000	2,000,000	3,421,000
Parks, Recreation, and Culture									
	Bureau of Parks and Recreation	0	0	107,585	458,207	460,163	1,040,719	966,531	3,033,205
	Spectator Facilities	0	0	0	0	0	0	0	0
Total Parks, Recreation and Culture		0	0	107,585	458,207	460,163	1,040,719	966,531	3,033,205
Public Utilities									
	Bureau of Environmental Services	0	0	174,500	1,160,464	2,807,496	2,880,836	3,042,612	10,065,908
	Bureau of Water Works	0	0		0	0	0	0	0
Total Public Utilities		0	0	174,500	1,160,464	2,807,496	2,880,836	3,042,612	10,065,908
Community Development									
	Office of Management & Finance	0	0	0	0	0	0	0	0
Total Community Development		0	0	0	0	0	0	0	0
Transportation and Parking									
	Office of Transportation	0	0	0	0	0	0	0	0
	Office of Management & Finance	0	0	0	0	0	0	0	0
Total Transportation and Parking		0	0	0	0	0	0	0	0
Legislative, Administrative & Support Svcs									
	Office of Management & Finance	0	0	0	0	0	0	0	0
Total Legislative, Admin. & Support Svcs		0	0	0	0	0	0	0	0
City Capital Net O&M		\$ 0	\$ 0	282,085	\$ 1,618,671	\$ 3,808,659	\$ 4,801,555	\$ 6,009,143	\$ 16,520,113

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Public Safety

Overview and Financial Tables

SERVICE AREA OVERVIEW

The Public Safety service area includes the Bureau of Fire, Rescue, and Emergency Services; the Bureau of Police; and projects administered by the Office of Management and Finance (OMF). Public Safety capital projects that are administered within OMF are funded from rental rates that are paid to the City's major maintenance fund. The exception to this is projects funded by the 1998 Fire General Obligation Bond.

In FY 2004-05, a total of \$15,336,178 is allocated to Public Safety capital improvement projects, which represents 5.5% of the City's total capital budget. The majority of Public Safety projects are within the Office of Management and Finance.

BUREAU OF FIRE, RESCUE, AND EMERGENCY SERVICES

Portland Fire and Rescue's (PF&R) FY 2004-05 capital improvement budget includes two General Fund projects totaling \$1,156,956. They are fire apparatus replacement and the Linnton training site cleanup. In addition, several projects that are funded from the Fire General Obligation Bond are covered in the OMF section below.

POLICE BUREAU

The Portland Police Bureau has several small capital projects in FY 2004-05 that are administered by the Facilities Services Division of OMF. These projects are covered in more detail in the OMF section below.

OFFICE OF MANAGEMENT AND FINANCE

Fire and Rescue General Obligation Bond Projects

The Facilities Services division of OMF is responsible for capital projects originating from the 1998 Fire and Rescue general obligation (GO) bond. Projects that are included in the Fire GO bond program include renovation of 23 fire stations, the construction of nine new stations, an upgraded administration building, and the renovation of the logistics facility. In FY 2004-05, \$10,286,000 is budgeted for Fire GO bond projects. The Fire GO bond budget for FY 2005-09 is \$29,077,000.

Police Facilities

All capital projects related to the Police Bureau are administered by the Facilities Services division of OMF. The Police program in FY 2004-05 is dominated by numerous small projects funded through rental rates paid by the Police Bureau to Facilities Services. In FY 2004-05, \$2,924,600 is budgeted for Police Bureau facility projects. Capital project needs related to the Police Bureau in FY 2005-09 total \$154,180,230. However, financing for these needs has yet to be determined.

Communications and Networking Services (ComNet)

The ComNet division of OMF is responsible for maintaining and operating communications systems for the City. This includes the Portland Communications Center, the City's Integrated Regional Networking Enterprise (IRNE) network, as well as the 800 MHz radio system. Other telecommunications, radio, video, and electronic systems such as 911 dispatch, sirens, radar guns, cell phones, paging, wireless infrastructure (microwave systems), and video systems are all administered by ComNet. These systems provide service to all City bureaus and agencies in addition to a large number of other jurisdictions in the metropolitan area. The major capital projects for FY 2004-05 include \$676,000 budgeted for maintaining and enhancing the Public Safety Radio System and \$327,000 for the Portland Communications Center.

Capital Improvement Plan — Public Safety

SOURCES AND USES

This table summarizes the funding and costs by capital program for bureaus within this service area.

Bureau		Revised	Adopted	Capital Plan				
Capital Program	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year
Fire Bureau								
Emergency Response								
Funding Sources								
General Fund	1,606,868	1,033,004	1,156,956	1,509,220	1,525,933	1,543,231	1,561,136	7,296,476
Total Funding Sources	1,606,868	1,033,004	1,156,956	1,509,220	1,525,933	1,543,231	1,561,136	7,296,476
Project Costs								
Construction/Equipment	1,606,868	1,033,004	1,156,956	1,509,220	1,525,933	1,543,231	1,561,136	7,296,476
Total Project Costs	1,606,868	1,033,004	1,156,956	1,509,220	1,525,933	1,543,231	1,561,136	7,296,476
Oper & Maint Costs	0	0	0	0	0	0	0	0
Management and Finance								
Communications and Networking Services								
Funding Sources								
Fund Balance (Internal)	869,274	0	0	0	0	0	0	0
General Fund	257,950	250,000	259,622	483,000	483,000	483,000	483,000	2,191,622
Interagencies Bureau Revenues	406,967	0	0	0	0	0	0	0
Service Reimbursements	0	421,935	417,000	417,000	417,000	417,000	417,000	2,085,000
Total Funding Sources	1,534,191	671,935	676,622	900,000	900,000	900,000	900,000	4,276,622
Project Costs								
Construction/Equipment	1,384,191	581,935	576,622	800,000	800,000	800,000	800,000	3,776,622
Design/Project Mgmt	150,000	90,000	100,000	100,000	100,000	100,000	100,000	500,000
Total Project Costs	1,534,191	671,935	676,622	900,000	900,000	900,000	900,000	4,276,622
Oper & Maint Costs	0	0	0	0	0	0	0	0
Fire & Rescue Facilities GO Bond Program								
Funding Sources								
GO Bonds Retired through Property Taxes	1,570,000	5,175,000	10,286,000	5,549,000	8,726,000	3,282,000	0	27,843,000
Land Sales	0	0	0	0	313,000	0	0	313,000
Local Cost Sharing	0	0	0	0	921,000	0	0	921,000
Total Funding Sources	1,570,000	5,175,000	10,286,000	5,549,000	9,960,000	3,282,000	0	29,077,000
Project Costs								
Construction/Equipment	1,207,000	3,853,000	7,333,000	4,248,000	7,378,000	2,433,000	0	21,392,000
Design/Project Mgmt	363,000	1,322,000	2,507,000	1,301,000	2,582,000	849,000	0	7,239,000
Site Acquisition	0	0	446,000	0	0	0	0	446,000
Total Project Costs	1,570,000	5,175,000	10,286,000	5,549,000	9,960,000	3,282,000	0	29,077,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Police								
Funding Sources								
Rents	0	0	2,924,600	737,600	889,600	494,600	542,600	5,589,000
Service Reimbursements	0	0	0	0	23,000	0	0	23,000
Unfunded	0	0	0	0	8,954,820	25,900,895	113,712,515	148,568,230
Total Funding Sources	0	0	2,924,600	737,600	9,867,420	26,395,495	114,255,115	154,180,230
Project Costs								
Construction/Equipment	0	0	2,413,000	580,250	6,952,070	12,593,550	55,611,765	78,150,635
Design/Project Mgmt	0	0	511,600	157,350	1,367,350	5,689,350	29,447,350	37,173,000
Site Acquisition	0	0	0	0	1,548,000	8,112,595	29,196,000	38,856,595
Total Project Costs	0	0	2,924,600	737,600	9,867,420	26,395,495	114,255,115	154,180,230
Oper & Maint Costs	0	0	0	0	541,000	880,000	2,000,000	3,421,000

Capital Improvement Plan — Public Safety

SOURCES AND USES

This table summarizes the funding and costs by capital program for bureaus within this service area.

Bureau		Revised	Adopted	Capital Plan				
Capital Program	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year
Portland Communications Center								
Funding Sources								
Rents	0	0	90,000	90,000	90,000	90,000	90,000	450,000
Service Reimbursements	0	0	237,000	0	0	0	0	237,000
Total Funding Sources	0	0	327,000	90,000	90,000	90,000	90,000	687,000
Project Costs								
Construction/Equipment	0	0	272,000	35,000	35,000	35,000	35,000	412,000
Design/Project Mgmt	0	0	55,000	55,000	55,000	55,000	55,000	275,000
Total Project Costs	0	0	327,000	90,000	90,000	90,000	90,000	687,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Safety

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area for bureaus within this service area.

Bureau		Revised	Adopted	Capital Plan				
Geographic Area	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year Total
Public Safety								
Fire Bureau								
All Areas	1,571,868	998,004	1,121,956	1,474,220	1,490,933	1,525,933	1,526,136,	7,121,476
North	35,000	35,000	35,000	35,000	35,000	35,000	35,000	175,000
Total Fire Bureau	1,606,868	1,033,004	1,156,956	1,509,220	1,525,933	1,543,231	1,561,136	7,296,476
Management and Finance								
Undefined	0	0	0	0	8,954,820	18,777,415	40,299,265	68,031,500
All Areas	1,979,191	3,479,935	2,938,622	900,000	900,000	900,000	900,000	6,538,622
Central City	0	0	2,641,600	517,600	494,600	494,600	24,043,490	28,191,890
East	0	0	0	0	0	0	48,000	48,000
North	0	321,000	805,000	0	0	0	0	805,000
Northeast	0	0	306,000	612,000	395,000	7,123,480	7,123,480	15,559,960
Northwest	0	633,000	2,301,000	0	0	0	14,246,960	16,547,960
Southeast	1,125,000	661,000	2,978,000	531,000	1,625,000	264,000	14,336,960	19,734,960
Southwest	0	752,000	2,244,000	4,716,000	8,448,000	3,108,000	14,246,960	32,762,960
Total Management and Finance	3,104,191	5,846,935	14,214,222	7,276,600	20,817,420	30,667,495	115,245,115	188,220,852
Total Public Safety	\$ 4,711,059	\$ 6,879,939	\$ 15,371,178	\$ 8,785,820	\$ 22,343,353	\$ 32,210,726	\$ 116,806,251	\$ 195,517,328

Capital Improvement Plan — Public Safety

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program		Revised	Adopted	Capital Plan				5-Year Total
Project	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Fire Bureau								
Emergency Response								
Apparatus Replacement	1,571,868	998,004	1,121,956	1,474,220	1,490,933	1,508,231	1,526,136	7,121,476
Linnton Oil Fire Training Ground	35,000	35,000	35,000	35,000	35,000	35,000	35,000	175,000
Total Emergency Response	1,606,868	1,033,004	1,156,956	1,509,220	1,525,933	1,543,231	1,561,136	7,296,476
Total Fire Bureau	1,606,868	1,033,004	1,156,956	1,509,220	1,525,933	1,543,231	1,561,136	7,296,476
Management and Finance								
Communications and Networking Services								
Public Safety Radio Enhancement	1,534,191	671,935	676,622	900,000	900,000	900,000	900,000	4,276,622
Total Communications and Networking	1,534,191	671,935	676,622	900,000	900,000	900,000	900,000	4,276,622
Fire & Rescue Facilities GO Bond								
New Fire Station 21	0	0	200,000	1,530,000	1,000,000	0	0	2,730,000
New Fire Station 27	0	501,000	1,533,000	0	0	0	0	1,533,000
Remodel Fire Bureau Logistics HQ	0	397,000	794,000	0	0	0	0	794,000
Remodel Fire Station 1/Administr	0	671,000	732,000	732,000	6,216,000	3,108,000	0	10,788,000
Remodel Fire Station 15, 24 & 43	0	70,000	782,000	1,512,000	0	0	0	2,294,000
Remodel Fire Station 17	0	11,000	55,000	0	0	0	0	55,000
Remodel Fire Station 23	1,125,000	264,000	1,704,000	201,000	0	0	0	1,905,000
Remodel Fire Station 24	0	310,000	620,000	0	0	0	0	620,000
Remodel Fire Station 43	0	0	306,000	612,000	0	0	0	918,000
Remodel Fire Station 6	0	132,000	768,000	0	0	0	0	768,000
Remodel Fire Station 8, 19, 20	0	2,434,000	284,000	0	0	0	0	284,000
Remodel Fire Stations 11 & 2/Tra	445,000	374,000	1,978,000	0	0	0	0	1,978,000
Replace Fire Station 18	0	11,000	530,000	722,000	1,232,000	0	0	2,484,000
Replace Fire Station 45	0	0	0	240,000	1,512,000	174,000	0	1,926,000
Total Fire & Rescue Facilities GO Bond	1,570,000	5,175,000	10,286,000	5,549,000	9,960,000	3,282,000	0	29,077,000
Police								
Camp Withy.-Carpet and Paint	0	0	0	0	23,000	0	0	23,000
E Precinct-Replace Garage Doors	0	0	0	0	0	0	48,000	48,000
JC-Access Control System Upgrade	0	0	239,000	0	0	0	0	239,000
JC-Building Security Improvement	0	0	85,000	148,250	148,250	148,250	148,250	678,000
JC-Detention Electronics	0	0	85,000	0	0	0	0	85,000
JC-Electrical System Upgrade	0	0	846,000	0	0	0	0	846,000
JC-Facility Upgrades	0	0	243,600	243,600	243,600	243,600	243,600	1,218,000
JC-Fire System Upgrade	0	0	822,000	102,750	102,750	102,750	102,750	1,233,000
JC-HVAC Controls Upgrade	0	0	36,000	0	0	0	0	36,000
JC-Install Veh. Access Barriers	0	0	153,000	0	0	0	0	153,000
JC-Re-Key Door Locksets	0	0	66,000	0	0	0	0	66,000
MPU-Horse Barn Ventilation Syste	0	0	66,000	0	0	0	0	66,000
MPU-Replace Carpet and Paint	0	0	0	23,000	0	0	0	23,000
N Precinct-Public Space Improv.	0	0	100,000	0	0	0	0	100,000
NE Precinct-Replace Roof	0	0	0	0	395,000	0	0	395,000
New NE Comm. Policing Facility	0	0	0	0	0	7,123,480	7,123,480	14,246,960
New NW Comm. Policing Facility	0	0	0	0	0	0	14,246,960	14,246,960
New Police Training Facility	0	0	0	0	0	0	30,476,670	30,476,670
New SE Comm. Policing Facility	0	0	0	0	0	0	14,246,960	14,246,960
New SW Comm. Policing Facility	0	0	0	0	0	0	14,246,960	14,246,960
New Traffic Facility	0	0	0	0	8,954,820	8,954,820	0	17,909,640
PPW-Replace Roof	0	0	0	93,000	0	0	0	93,000
PPW-Replace Standby Generator	0	0	0	51,000	0	0	0	51,000
PPW-Seal Building Exterior	0	0	0	76,000	0	0	0	76,000
Reconfig. Parking at Rivergate	0	0	30,000	0	0	0	0	30,000
Replace Central Precinct	0	0	0	0	0	0	23,548,890	23,548,890
Replace Police Prop. Warehouse	0	0	0	0	0	9,822,595	9,822,595	19,645,190
SE Precinct-Secure Parking Lot	0	0	153,000	0	0	0	0	153,000

Capital Improvement Plan — Public Safety

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program		Revised	Adopted	Capital Plan					5-Year Total
Project	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09		
Total Police	0	0	2,924,600	737,600	9,867,420	26,395,495	114,255,115	154,180,230	
Portland Communications Center									
Portland Communications Center	0	0	90,000	90,000	90,000	90,000	90,000	450,000	
Improve Exterior Building Security	0	0	237,000	0	0	0	0	237,000	
Total Portland Communications Center	0	0	327,000	90,000	90,000	90,000	90,000	687,000	
Total Management and Finance	3,104,191	5,846,935	14,214,222	7,276,600	20,817,420	30,667,495	115,245,115	188,220,852	
Total Public Safety	\$ 4,711,059	\$ 6,879,939	\$ 15,371,178	\$ 8,785,820	\$ 22,343,353	\$ 32,210,726	\$ 116,806,251	\$ 195,517,328	

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Bureau of Fire, Rescue, and Emergency Services

CAPITAL OVERVIEW

CIP Highlights

Portland Fire & Rescue's (PF&R) FY 2004-05 capital improvement budget includes two projects totaling \$1,156,956. They are fire apparatus replacement and the Linnton training site cleanup.

Apparatus replacement is an ongoing need. Starting in FY 2004-05, approximately \$1 million is added to Fire's operating budget for apparatus replacement. PF&R received additional funding from the General Fund Capital Set-Aside to supplement the operating budget for apparatus replacement.

Major Issues

PF&R established its apparatus replacement plan during the late 1980's. The plan calls for replacement of all front-line fire engines and trucks at 15 years or 100,000 miles but keeps them five additional years in reserve status before they are sold or donated. However, due to repeated budget cuts in recent years, the bureau is now almost two years, or six engines, behind in the replacement schedule.

The \$1 million transfer to the PF&R budget for apparatus replacement is insufficient to maintain the 15-year or 100,000-mile replacement schedule. PF&R is receiving an additional \$100,000 from the General Fund Capital Set-Aside in FY 2004-05, but total funding remains about \$336,000 below the level needed to fund the replacement schedule. The bureau will have to further postpone needed fire apparatus replacement, with a potential adverse impact on public safety.

Changes from Prior Years

PF&R's FY 2004-05 CIP totals \$1,156,956, which is about \$17,000 below the FY 2003-04 appropriation. FY 2003-04 included partial funding for a project to dredge the Station 6 lagoon; this project is not yet completed. PF&R will present the results of a new sediment sampling study and recommended dredging plan to Council in the summer of 2004 to request further funding for this project.

STRATEGIC DIRECTION

Council Goals and Priorities

PF&R's FY 2004-05 capital projects support Council's goal to ensure a safe and peaceful community.

CAPITAL PLANNING AND BUDGETING

Capital Planning Process

PF&R's capital planning process is a participatory one. In early November 2003, the bureau's Core Leadership Team established the strategic direction, major initiatives, and a CIP budget process for FY 2004-05. In mid-November, Core communicated the strategic direction, major initiatives, and CIP budget process to the citizen Bureau Advisory Committee (BAC), executive staff, labor/management committee, representatives of other labor organizations, and non-represented employees. The bureau also sent out memos to the above stakeholders to ask for recommendations on specific CIP requests.

On December 12, 2003, the Core Leadership Team presented PF&R's preliminary FY 2004-05 CIP requests to the labor/management committee. The Chief and the Portland Fire Fighters Association President then met with the Commissioner-in-Charge to discuss PF&R's CIP requests. The Chief also communicated the subject to the BAC.

Financial Forecast Overview

The apparatus replacement project is part of a 15-year replacement plan, which is developed to achieve the 15-year or 100,000-mile apparatus replacement objective. It is assumed that individual apparatus's average annual mileage will remain constant for the next 15 years and apparatus purchase price will increase 3% a year. Given these assumptions, the cost to achieve the replacement schedule ranges from \$0.56 million to \$2.51 million a year depending on specific replacements needed in that year. PF&R also calculated a stabilized annual replacement cost to smooth financial needs. For FY 2004-05, this stabilized cost is \$1.46 million.

CAPITAL PROGRAMS AND PROJECTS

Program Description

Logistics/Emergency Operations Program

Both CIP projects are part of the Logistics/Emergency Operations program. Logistics provides support services to PF&R's emergency operations. These services include maintenance and replacement of fire apparatus; maintenance and repairs of the City's 29 fire stations; implementation of the General Obligation Bond for station seismic rehabilitation and construction; and ordering and stocking of protective uniforms, equipment, and supplies that ensure operational readiness 24 hours a day, 7 days a week from all fire stations.

- ◆ **Apparatus Replacement:** This project provides for the replacement of fire apparatus in accordance with the Fire Bureau's apparatus replacement plan. The FY 2004-05 budget of \$1,121,956 will be used to purchase a fire truck and a fire engine.
- ◆ **Linnton Training Site Cleanup:** PF&R used a site in Linnton, in NW Portland, for many years to conduct training through burning drills. During drills, crews used oil and debris for test burns. Consequently, the soils became badly contaminated, and after training stopped in the early 1990's, PF&R was required by the Oregon Department of Environmental Quality to clean up the site. This current project is a combination of planning, soil sampling/analysis/testing, and project management by the Bureau of Environmental Services, as part of the Portland Harbor Superfund site. The FY 2004-05 budget for this project is \$35,000.

Funding Sources

The funding sources for the capital projects are PF&R's ongoing General Fund discretionary allocation and \$135,000 in one-time support from the General Fund Capital Set-Aside.

Net Operating and Maintenance Costs or Savings

Fire apparatus maintenance is included in PF&R's operating budget. Timely apparatus replacement will to some extent reduce maintenance costs. The bureau does not currently have enough data to quantify the maintenance cost savings.

The Linnton training site cleanup project has a negligible impact on operating and maintenance costs or savings.

Capital Improvement Plan — Public Safety
Bureau of Fire, Rescue and Emerg. Svces

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09		

Emergency Response

Apparatus Replacement

Area: All

Objective(s): Replacement

Project Description

This project provides for the replacement of fire apparatus in accordance with the Fire Bureau's apparatus replacement plan, which is in line with plans of comparable fire jurisdictions in terms of the life of apparatus. The Bureau replaces front line fire engines and trucks after 15 years or 100,000 miles and puts them in reserve status for additional 5 years. Extending the life of apparatus would increase the chances of breakdown or malfunction during emergency responses. It has been shown that apparatus retained beyond industry averages spend more time in repairs shops. The benefits of this program are that apparatus can be replaced in a timely fashion, with as little as possible effect on fire and EMS service delivery.

Funding Sources

General Fund	1,571,868	998,004	1,121,956	1,474,220	1,490,933	1,508,231	1,526,136	7,121,476
Total Funding Sources	1,571,868	998,004	1,121,856	1,474,220	1,490,933	1,508,231	1,526,136	7,121,478

Project Costs

Construction/Equipment	1,571,868	998,004	1,121,856	1,474,220	1,490,933	1,508,231	1,528,136	7,121,478
Total Project Costs	1,571,868	998,004	1,121,856	1,474,220	1,490,933	1,508,231	1,528,136	7,121,478

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Linnton Oil Fire Training Ground

Area: All

Objective(s): Maintenance
Mandated

Project Description

Linnton is an area in NW Portland that Portland Fire Fighters used for many years to conduct training through burning drills. During those drill, crews used oil and debris for test burns. Consequently, the soils became badly contaminated, and after drilling/training stopped in the early 1990s, the Fire Bureau was required by DEQ to clean up the site. Fire has since spent over a million dollars bringing soils to acceptable levels; however, we were not able to prevent the contamination at the water line, which undoubtedly contributed to river contamination.

Funding Sources

General Fund Discretionary - Add	35,000	35,000	35,000	35,000	35,000	35,000	35,000	175,000
Total Funding Sources	35,000	35,000	35,000	35,000	35,000	35,000	35,000	175,000

Project Costs

Construction/Equipment	35,000	35,000	35,000	35,000	35,000	35,000	35,000	175,000
Total Project Costs	35,000	35,000	35,000	35,000	35,000	35,000	35,000	175,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Office of Management and Finance: Public Safety

CAPITAL OVERVIEW

The Office of Management and Finance (OMF) administers the majority of capital projects within the Public Safety service area. All of the Fire general obligation (GO) bond projects are administered by the Facilities Services Division of OMF. Current projects related to the Police Bureau are administered by the Facilities Services Division through rental rates paid by the Police Bureau. Finally, capital projects related to the City's Emergency Communication infrastructure are administered by OMF's Communications and Networking Services (ComNet) and Information Technology divisions.

Bureau Mission

Leadership, Management, Stewardship:

Supporting the administrative and operational needs of the City to enhance quality service delivery to the public.

CIP Highlights

Fire & Rescue Facilities General Obligation Bond Projects

In November 1998, Portland voters supported a facility upgrade for Portland Fire and Rescue. This upgrade includes the renovation of 23 fire stations, the construction of nine new stations, an upgraded administration building, and the renovation of the logistics facility. By the end of FY 2004-05, five new stations will be completed: Station 16 at the Sylvan intersection, Station 12 at NE 87th & Sandy, Station 9 at SE 39th near Division, Station 28 at NE Sandy and 56th Avenue, and Station 27 on NW Skyline just north of Thompson Road. Twenty of the 23 station renovations will also have been finished and will be reoccupied by that time.

Police Facilities

The Police program is dominated by numerous small projects funded through designated major maintenance funds from rental rates. Police precinct facilities, all built or renovated during the 1990's, are now experiencing their first need for major maintenance projects.

The Police Facilities Master Plan's recommendations identify the need for \$140 million in new Police projects over the next 10 years. These projects include a new Central Precinct, a new Traffic Division facility, a regional training facility, a new property warehouse, and four new precincts. The Police Bureau continues to support the plan, so funding these projects continues to be a significant issue. Funding operations and maintenance costs for these facilities will also be an issue for the Council. Estimates for operations and maintenance costs are included in the project narrative.

Major Issue

Financing for new facilities in the Police program is still to be determined. The total cost of Police Bureau projects is estimated to be approximately \$140 million, and the total cost of ComNet projects is estimated at \$4.1 million. This is beyond the City's ability to cash finance. In addition, the City's annual budget cannot currently afford the debt service if the City were to choose to debt finance these projects.

STRATEGIC DIRECTION

Council Goals and Priorities

The public safety component of OMF's CIP supports the following City Council goals and objectives:

- ◆ Buildings that are appropriately sited, well designed, and well maintained contribute to Portland's livability. Projects within this CIP are a result of good planning and the City's commitment to planning and well-managed growth.
- ◆ Well-sited, adequate public safety and emergency response facilities promote a safe and peaceful community. A reliable 800 MHz system is the backbone of the City's emergency response system.

City Comprehensive Plan

This CIP evolves from and supports the City's overall land use and facility plans. Two public safety program areas are particularly sensitive to comprehensive community planning:

1. Police: The siting and organization of public safety response is based largely on the city's physical size, growth, density, and demographic patterns. The Police Bureau Master Plan effort is closely connected to the city's growth projections and geographical form.
2. Fire & Rescue: The siting and adaptation of Fire & Rescue stations is highly dependent on neighborhood boundaries and neighborhood preferences. The foundation of the Fire Management Area (FMA) is the City's comprehensive land use plan and the regularly produced response time study. The most recent study, completed by Tri-Data in 1997, was key in identifying the general location of the new fire stations that are now being planned.

OMF PUBLIC SAFETY RELATED CAPITAL PROGRAMS AND PROJECTS

Portland Fire and Rescue

Capital facility needs for Portland Fire and Rescue (PF&R) include projects from the November 1998 GO bond program.

The GO bond program projects represent a joint effort between PF&R and the OMF. These projects were identified, organized, and presented to the City Council as a long term (ten-year) capital facilities needs assessment and implementation plan for making required changes to PF&R facilities. FY 2004-05 will mark the seventh year of the program. Three factors drove the need to develop the long term capital program.

1. The fire stations of PF&R need to be upgraded seismically to allow firefighters and their equipment to effectively respond to an earthquake in the metropolitan area.
2. In order to maintain its excellent record of protecting the lives and property of the citizens of Portland, PF&R needs to locate new stations and relocate existing stations to meet the goal of a four-minute response time for 90% of emergency calls.
3. The mission of PF&R has changed over the years, and facilities no longer support these changes. For example, a major segment of the work now is for Emergency Medical Services (EMS), yet few of the stations are well equipped to handle the drug storage and pathogen cleanup concomitant with this mission.

In addition to these three major factors, some PF&R facilities are approaching the end of their useful lives. The composition of the firefighting force has also changed and requires coed accommodations, and facilities need basic improvements such as accessibility for the disabled.

Fire Stations need to be upgraded for earthquake standards

This program is driven by the fact that all of the fire stations must eventually meet the "essential facility" criteria for seismic force resistance, and each station needs to remain in operation immediately after an earthquake. Seven years ago, OMF and PF&R worked with a team of engineers and architects to identify the most cost-effective method for meeting the required essential services goal. This goal was analyzed in relationship to the stations' abilities to serve new missions, their ages, their ability to accommodate a changing work force, and their disabled accessibility.

PF&R currently has 31 active stations and support facilities. The assessment indicated that it was more effective to abandon Station 9 and construct a new replacement. In the past, it was assumed that Stations 1 and 6 also needed to be replaced, but recent geotechnical and structural engineering studies have shown this not to be the case. For the 23 stations and support facilities to be remodeled, clearly the most cost-effective solution will be to invest in performing the required seismic and operational upgrades at the time of each remodel.

Study recommends relocation of fire stations

Eight years ago, Tri-Data Consultants completed a location study that affected the overall strategy of renovating or replacing stations. The Tri-Data study recommended closing Station 40 in NE Portland and replacing it with two new stations, one in the vicinity of NE 57th and Sandy Boulevard and the other near NE 82nd Avenue and Prescott. The study also suggested that Station 18 needs to relocate from its current SW 30th location to near SW Capitol Highway and I-5.

Another factor guides renovation or replacement choices. Given the current state of support for public projects, fire stations should be considered in the context of what other public goals might be served by combining stations with other functions such as parks and community centers. For instance, the recently completed Station 12 includes the neighborhood coalition office of Central Northeast Neighbors (CNN).

The Tri-Data study further revealed that response time issues and growth patterns in the city require three new stations: two in Southwest Portland and one in Northwest Portland. A new Station 16 was completed in December 2002 at SW Skyline and Montgomery and will improve response times in the area north of Highway 26. Response times also require a new station near SW Shattuck Road and the Beaverton-Hillsdale Highway. To protect the rapidly growing number of homes in the Forest Heights area, a third station is in design at a site owned by PF&R at NW Skyline and Thompson Road.

The overall cost for meeting all of these needs over the ten-year period is estimated to be \$54,178,000 and is summarized below:

- ◆ Seismic and Functional Upgrades \$33,057,000
- ◆ Seismic Replacements \$2,491,000
- ◆ Response Time Relocations \$7,316,000
- ◆ Growth and Community Service \$11,314,000

These costs were packaged with the costs to expand the Portland Communications Center for Emergency Communications and Communications Services for a general obligation bond measure. The package also included bond issuance costs and a program contingency. Land and building sales, interest earnings, and existing cash resources reduced the total bond measure to \$53,825,000. The measure was referred to the voters in November 1998 and was approved.

In the fall of 1998, a tentative list and schedule for the development of new and replacement stations and station remodeling was prepared in a joint effort between PF&R and OMF. The development plan was based on the following goals and strategies:

Goals

- ◆ Maintain the overall operational readiness of the City during the construction work.
- ◆ Plan work to be as least disruptive to fire station personnel as possible.

Strategies

- ◆ Begin the acquisition of land for all new stations in the first year.
- ◆ Build new stations in underserved areas of the city first.
- ◆ Once completed, new stations should be considered to house staff temporarily moved out of stations being remodeled.
- ◆ Buy one or two mobile units to provide for living needs of fire crews temporarily relocated in areas where there are no stations close by to accommodate crews.
- ◆ Remodel stations first based on the highest operational rank.
- ◆ Spread the remodeling of stations throughout the city, rather than concentrating in certain sectors. This helps maintain operational readiness throughout the whole area.
- ◆ Remodel stations first with the highest seismic risks.
- ◆ When other options are not available, crews from a remodeled station could double up in a station built for a double company that now houses a single company.
- ◆ Wait to the later years of the 10-year project to build Station 1, the Administrative Building, and to remodel the Logistics Center.
- ◆ All fire stations will be provided with individual sleeping accommodations for firefighters.

Police Bureau

The Police Bureau CIP program as administered by OMF reflects three key objectives:

1. The commitment to keep those police buildings that were developed during the 1990's well maintained and useful to the Police Bureau.

Significant Police Bureau facilities upgrades have occurred over the last 10 years.

Over the last ten years, the OMF Facilities Services division and the Portland Police Bureau (PPB) completed a number of significant facility projects: two new Community Policing Facilities for the East and Northeast Precincts, the renovation of the Southeast and North Precincts, and the relocation of the Mounted Patrol Unit (MPU). These public assets have improved the Police Bureau's ability to serve the community. The desire to preserve them is reflected in facility projects including painting, electrical upgrades, carpeting, elevator work, parking lot resurfacing, and exterior resealing.

2. An increased focus on the Justice Center as it ages and requires attention.

The Justice Center is nearing 20 years old and is a significant building in both the City of Portland and Multnomah County building portfolios. The building plays a critical role in serving the public as a central location for justice and public safety services.

The City and County coordinate efforts to maintain the Justice Center.

Based on an agreement reached this year, Facilities Services has assumed responsibility for Justice Center space that is used by the Police Bureau, approximately six-and-a-half floors of the 16-story building. Facilities staff has also increased coordination with Multnomah County on building systems and exterior issues to ensure the building is maintained and preserved. Because the two jurisdictions operate the building differently - one as a jail/courthouse and the other as an office and precinct facility, both organizations are working together to ensure that costs are also shared fairly. The Justice Center projects in this CIP, including utility metering, space analysis, an elevator control upgrade, and painting/carpeting, are examples of this program objective.

3. A preview of the Police Facilities Master Plan that is currently expected to be complete by the spring of 2004.

The Police Bureau is working actively to anticipate facility needs to the year 2020 and expects to have a master plan complete by the spring 2004. The objectives of this master plan are to:

- ◆ Quantify projected demand for police services over the next 20 years.
- ◆ Determine if a change in the number and/or configuration of the existing five precincts is required.
- ◆ Provide an operational analysis that identifies which functions should ideally operate in a centralized versus decentralized mode.
- ◆ Determine the optimum locations for all functions and facilities.
- ◆ Project staff and equipment requirements.
- ◆ Quantify all additional facility requirements.
- ◆ Develop an implementation plan that will outline the cost and schedule of all new facilities development.

All of the anticipated projects that will result from the master plan are included in this CIP. Of course, these projects remain unfunded and are presented here merely as placeholders.

As part of the master planning process, eight projects have been programmed and cost-estimated, and they will constitute a significant portion of the master plan. All eight of these projects were in last year's CIP. The original four projects are a facility for the Traffic Division, a relocated property warehouse, a regional training facility, and a new central precinct. Four additional precincts were identified in response to population and call-for-service data.

Communications and Networking Services

The Communications and Networking Services division within OMF operates and maintains the City's Integrated Regional Networking Enterprise (IRNE) network, as well as the 800 MHz radio system and other telecommunications, radio, video, and electronic systems such as 911 dispatch, sirens, radar guns, cell phones, paging, wireless infrastructure (microwave systems), and video systems. These systems provide service to all City bureaus and agencies in addition to a large number of other jurisdictions in the metropolitan area.

Non-City Agencies provide half the funding for the 800MHz radio system.

ComNet's major source of revenue is service reimbursement transfers from City bureaus and outside agencies for communications services. Purchase of new equipment for use by other bureaus is supported through cash transfers. Non-City customers, most of whom use the IRNE and the 800 MHz radio system, pay for the services and equipment they purchase. Fully half of the revenue earned by the 800 MHz system comes from regional users of the system who are not City of Portland bureaus. ComNet's CIP projects include the Portland Communications Center and the Public Safety Radio Enhancement Project.

Portland Communications Center

A decision package has been approved to fund a major maintenance component in the rental rate charged to tenants. In past years, the rate had a small major maintenance component but this was gradually reduced as operating costs increased. Starting in FY 2004-05, the rental rate will include an amount of \$90,000 per year for major maintenance. This amount would not raise annual collections to the goal of 3% of replacement value; however, it would allow the completion of the high priority projects that are anticipated over the next five years.

Public Safety Radio Enhancement Project (PREP)

ComNet is responsible for maintaining and operating communications systems for the City. ComNet operates state-of-the-art mobile radio and mobile data systems. These systems are known collectively as the 800 MHz Public Safety Radio System. This system now serves a majority of public safety providers in the region, including 100 outside agencies such as local governments, counties, hospitals, ambulance companies, utilities, TriMet, school districts, and others with a need for public safety-grade communications. Significant investment in the system is necessary to continue to offer reliable service to public safety users in the region, including the City's own public safety agencies, such as the Police Bureau, the Bureau of Fire and Rescue, and the Bureau of Emergency Communications (BOEC).

The system has been in operation for 11 years of a 20-year lifespan. The system's maintenance needs are increasing, as is the need to upgrade software and hardware to address current standards of performance, vendor support issues, and additional traffic on the system. Reliance on communications technology has grown in public safety over the last decade, and it is now unthinkable to place an officer on the street or in a vehicle without radio communications. This increase in technology demands for law enforcement has created much greater requirements on the radio system for performance and coverage than have historically been necessary or that were foreseen in the original system design and financial plan.

In summary, the 800 MHz Public Safety Radio System has expanded to serve a regional customer base and regional geography, and it is aging. The system is in need of maintenance and enhancements to keep it reliable and performing for its intended purposes. The City must enact a financial strategy to provide funding for the ongoing performance of the radio system or expect failures in its reliability and functionality over time.

Public Safety Radio Enhancement Project: Financial Overview

The radio system consistently performs with nearly perfect reliability. It is maintained by City personnel within the ComNet organization and has been highly customized to serve the region's operating requirements.

Radio coverage continues to be a concern of Fire and Police personnel.

Coverage problems stem from a variety of conditions, most notably terrain and building construction characteristics. Until the antenna upgrade of FY 2000-01, coverage was weak in the far southeast areas of Portland and Gresham. Today, coverage has been improved dramatically in the I-84 corridor. Improvements to the Prune Hill site in Clark County have helped in providing coverage in north Portland, east Portland, Gresham, and beyond to Mount Hood. Coverage issues remaining to be addressed in the central city primarily concern problems associated with buildings: steel construction and underground construction are two conditions where radio reception will be affected.

Coverage of the public safety radio system was identified by members of the City Council as an issue of the "highest priority" at a public hearing on the issue on October 31, 2001 and again on October 30, 2002. ComNet was directed to propose strategies for the City Council to continue to move toward its goal of "zero tolerance" of coverage issues. ComNet's use of PREP funding has allowed it to complete the SmartZone system upgrade and Prune Hill simulcast site, both of which were thought to be impossible to fund without a bond measure.

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year Total

Communications and Networking Services

Public Safety Radio Enhancement

Area: All
Objective(s): Maintenance
Expansion
Efficiency

Project Description

ComNet is responsible for maintaining and operating a state of the art mobile radio and mobile data system. These two systems are collectively known as the "800 MHz Public Safety Radio System." The system has been in operation for eleven years of a twenty-year lifespan. It is aging. The system's maintenance needs are increasing, as is the need to upgrade software and hardware to meet current standards of performance, vendor support issues and additional traffic on the system. The system is in need of maintenance and enhancement to keep it reliable and performing for its intended purposes.

Funding Sources

Service Reimbursements	0	421,935	417,000	417,000	417,000	417,000	417,000	2,085,000
General Fund Discretionary - Add	257,950	250,000	259,622	483,000	483,000	483,000	483,000	2,191,622
Interagencies Bureau Revenues	406,967	0	0	0	0	0	0	0
Fund Balance (Internal)	869,274	0	0	0	0	0	0	0
Total Funding Sources	1,534,191	671,935	676,622	900,000	900,000	900,000	900,000	4,276,622

Project Costs

Design/Project Mgmt	150,000	90,000	100,000	100,000	100,000	100,000	100,000	500,000
Construction/Equipment	1,384,191	581,935	576,622	800,000	800,000	800,000	800,000	3,776,622
Total Project Costs	1,534,191	671,935	676,622	900,000	900,000	900,000	900,000	4,276,622

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Fire & Rescue Facilities GO Bond Program

New Fire Station 27

Area: NW
Objective(s): Expansion
Efficiency

Project Description

Build a new Fire Station 27, located at 3130 NW Skyline, to provide better response times to the West Hills area.

Funding Sources

GO Bonds Retired through Property Taxes	0	501,000	1,533,000	0	0	0	0	1,533,000
Total Funding Sources	0	501,000	1,533,000	0	0	0	0	1,533,000

Project Costs

Design/Project Mgmt	0	132,000	399,000	0	0	0	0	399,000
Construction/Equipment	0	369,000	1,134,000	0	0	0	0	1,134,000
Total Project Costs	0	501,000	1,533,000	0	0	0	0	1,533,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Remodel Fire Station 8, 19, 20

Area: All
Objective(s): Maintenance
Efficiency

Project Description

Remodel Fire Station 8, located at 4515 N Maryland; Fire Station 19, located at 7301 E Burnside; and Fire Station 20, located at 2235 SE Bybee, as part of the City Fire GO Bond program.

Funding Sources

GO Bonds Retired through Property Taxes	0	2,434,000	284,000	0	0	0	0	284,000
Total Funding Sources	0	2,434,000	284,000	0	0	0	0	284,000

Project Costs

Design/Project Mgmt	0	634,000	74,000	0	0	0	0	74,000
Construction/Equipment	0	1,800,000	210,000	0	0	0	0	210,000
Total Project Costs	0	2,434,000	284,000	0	0	0	0	284,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Public Safety Management and Finance

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year Total	

Remodel Fire Stations 11 & 2

Area: All

Objective(s): Maintenance
Expansion
Efficiency

Project Description

Remodel the existing Fire Station 2/Training facility; build a new addition for EMS, located at 4800 NE 122nd; and remodel Fire Station 11, located at 5707 SE 92nd, as part of the City Fire GO Bond program.

Funding Sources

GO Bonds Retired through Property Taxes	445,000	374,000	1,978,000	0	0	0	0	1,978,000
Total Funding Sources	445,000	374,000	1,978,000	0	0	0	0	1,978,000

Project Costs

Design/Project Mgmt	103,000	99,000	513,000	0	0	0	0	513,000
Construction/Equipment	342,000	275,000	1,465,000	0	0	0	0	1,465,000
Total Project Costs	445,000	374,000	1,978,000	0	0	0	0	1,978,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Remodel Fire Station 15, 24 & 43

Area: SW

Objective(s): Maintenance
Efficiency

Project Description

Remodel existing Fire Station 15, located at 1920 SW Spring, as part of the City Fire GO Bond program.

Funding Sources

GO Bonds Retired through Property Taxes	0	70,000	782,000	1,512,000	0	0	0	2,294,000
Total Funding Sources	0	70,000	782,000	1,512,000	0	0	0	2,294,000

Project Costs

Design/Project Mgmt	0	18,000	202,000	392,000	0	0	0	594,000
Construction/Equipment	0	52,000	580,000	1,120,000	0	0	0	1,700,000
Total Project Costs	0	70,000	782,000	1,512,000	0	0	0	2,294,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Remodel Fire Station 24

Area: N

Objective(s): Maintenance
Efficiency

Project Description

Remodel existing Fire Station 24, located at 7134 N. Maryland, as part of the City Fire GO Bond program.

Funding Sources

GO Bonds Retired through Property Taxes	0	310,000	620,000	0	0	0	0	620,000
Total Funding Sources	0	310,000	620,000	0	0	0	0	620,000

Project Costs

Design/Project Mgmt	0	72,000	143,000	0	0	0	0	143,000
Construction/Equipment	0	238,000	477,000	0	0	0	0	477,000
Total Project Costs	0	310,000	620,000	0	0	0	0	620,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year Total

Remodel Fire Station 1

Area: SW
Objective(s): Maintenance
Expansion
Efficiency

Project Description

Remodel the existing Fire Station 1 and Administration building, located at 55 SW Ash, as part of the City Fire GO Bond program.

Funding Sources

GO Bonds Retired through Property Taxes	0	671,000	732,000	732,000	6,216,000	3,108,000	0	10,788,000
Total Funding Sources	0	671,000	732,000	732,000	6,216,000	3,108,000	0	10,788,000

Project Costs

Design/Project Mgmt	0	176,000	192,000	192,000	1,608,000	804,000	0	2,796,000
Construction/Equipment	0	495,000	540,000	540,000	4,608,000	2,304,000	0	7,992,000
Total Project Costs	0	671,000	732,000	732,000	6,216,000	3,108,000	0	10,788,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Remodel Fire Station 23

Area: SE
Objective(s): Maintenance
Efficiency

Project Description

Remodel existing Fire Station 23, located at 2915 SE 13th Pl., as part of the City Fire GO Bond program.

Funding Sources

GO Bonds Retired through Property Taxes	1,125,000	264,000	1,704,000	201,000	0	0	0	1,905,000
Total Funding Sources	1,125,000	264,000	1,704,000	201,000	0	0	0	1,905,000

Project Costs

Design/Project Mgmt	260,000	66,000	440,000	52,000	0	0	0	492,000
Construction/Equipment	865,000	198,000	1,264,000	149,000	0	0	0	1,413,000
Total Project Costs	1,125,000	264,000	1,704,000	201,000	0	0	0	1,905,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Remodel Fire Bureau Logistics HQ

Area: SE
Objective(s): Maintenance
Efficiency

Project Description

Remodel Fire's Logistics headquarters, located at 1135 SE Powell, as part of the City Fire GO Bond program.

Funding Sources

GO Bonds Retired through Property Taxes	0	397,000	794,000	0	0	0	0	794,000
Total Funding Sources	0	397,000	794,000	0	0	0	0	794,000

Project Costs

Design/Project Mgmt	0	92,000	183,000	0	0	0	0	183,000
Construction/Equipment	0	305,000	611,000	0	0	0	0	611,000
Total Project Costs	0	397,000	794,000	0	0	0	0	794,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Safety Management and Finance

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

Remodel Fire Station 6

Area: NW

Objective(s): Maintenance
Efficiency

Project Description

Remodel existing Fire Station 6, located at 3660 NW Front Ave., as part of the City Fire GO Bond program.

Funding Sources

GO Bonds Retired through Property Taxes	0	132,000	768,000	0	0	0	0	768,000
Total Funding Sources	0	132,000	768,000	0	0	0	0	768,000

Project Costs

Design/Project Mgmt	0	33,000	201,000	0	0	0	0	201,000
Construction/Equipment	0	99,000	567,000	0	0	0	0	567,000
Total Project Costs	0	132,000	768,000	0	0	0	0	768,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Remodel Fire Station 17

Area: N

Objective(s): Maintenance
Efficiency

Project Description

Remodel Fire Station 17 as part of the GO Bond project.

Funding Sources

GO Bonds Retired through Property Taxes	0	11,000	55,000	0	0	0	0	55,000
Total Funding Sources	0	11,000	55,000	0	0	0	0	55,000

Project Costs

Design/Project Mgmt	0	0	18,000	0	0	0	0	18,000
Construction/Equipment	0	11,000	37,000	0	0	0	0	37,000
Total Project Costs	0	11,000	55,000	0	0	0	0	55,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Remodel Fire Station 43

Area: NE

Objective(s): Maintenance
Efficiency

Project Description

Remodel Fire Station 43, located at 13313 NE San Rafael, as part of the City Fire GO Bond program.

Funding Sources

GO Bonds Retired through Property Taxes	0	0	306,000	612,000	0	0	0	918,000
Total Funding Sources	0	0	306,000	612,000	0	0	0	918,000

Project Costs

Design/Project Mgmt	0	0	71,000	141,000	0	0	0	212,000
Construction/Equipment	0	0	235,000	471,000	0	0	0	706,000
Total Project Costs	0	0	306,000	612,000	0	0	0	918,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year Total

Replace Fire Station 18

Area: SW

Objective(s): Replacement
Efficiency

Project Description

Replace the existing Station 18 with a new station more central to their Fire Management Area for better response time.

Funding Sources

Land Sales	0	0	0	0	313,000	0	0	313,000
GO Bonds Retired through Property Taxes	0	11,000	530,000	722,000	919,000	0	0	2,171,000
Total Funding Sources	0	11,000	530,000	722,000	1,232,000	0	0	2,484,000

Project Costs

Design/Project Mgmt	0	0	21,000	192,000	322,000	0	0	535,000
Site Acquisition	0	0	446,000	0	0	0	0	446,000
Construction/Equipment	0	11,000	63,000	530,000	910,000	0	0	1,503,000
Total Project Costs	0	11,000	530,000	722,000	1,232,000	0	0	2,484,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Replace Fire Station 45

Area: SE

Objective(s): Replacement
Efficiency

Project Description

Replace the existing Fire Station 45 with a new station on the same site. The existing station is in very poor condition and it is not economically feasible to remodel it.

Funding Sources

Local Cost Sharing	0	0	0	0	921,000	0	0	921,000
GO Bonds Retired through Property Taxes	0	0	0	240,000	591,000	174,000	0	1,005,000
Total Funding Sources	0	0	0	240,000	1,512,000	174,000	0	1,926,000

Project Costs

Design/Project Mgmt	0	0	0	64,000	392,000	45,000	0	501,000
Construction/Equipment	0	0	0	176,000	1,120,000	129,000	0	1,425,000
Total Project Costs	0	0	0	240,000	1,512,000	174,000	0	1,926,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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New Fire Station 21

Area: SW

Objective(s): Expansion

Project Description

Build a new Fire Station 21, to be located at 5420 SW Beaverton-Hillsdale Hwy., for better response times in SW Portland, as part of the City Fire GO Bond program.

Funding Sources

GO Bonds Retired through Property Taxes	0	0	200,000	1,530,000	1,000,000	0	0	2,730,000
Total Funding Sources	0	0	200,000	1,530,000	1,000,000	0	0	2,730,000

Project Costs

Design/Project Mgmt	0	0	50,000	268,000	260,000	0	0	578,000
Construction/Equipment	0	0	150,000	1,262,000	740,000	0	0	2,152,000
Total Project Costs	0	0	200,000	1,530,000	1,000,000	0	0	2,730,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Public Safety Management and Finance

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

Police

Camp Withy.-Carpet and Paint

Area: SE

Objective(s): Maintenance
Replacement

Project Description

Police facilities get heavy use and this will replace carpet and paint interior spaces on a five year schedule.

Funding Sources

Service Reimbursements	0	0	0	0	23,000	0	0	23,000
Total Funding Sources	0	0	0	0	23,000	0	0	23,000

Project Costs

Design/Project Mgmt	0	0	0	0	5,000	0	0	5,000
Construction/Equipment	0	0	0	0	18,000	0	0	18,000
Total Project Costs	0	0	0	0	23,000	0	0	23,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

E Precinct-Replace Garage Doors

Area: E

Objective(s): Maintenance
Replacement

Project Description

This project replaces the garage sectional overhead doors that have been in place since 1995.

Funding Sources

Rents	0	0	0	0	0	0	48,000	48,000
Total Funding Sources	0	0	0	0	0	0	48,000	48,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	0	11,000	11,000
Construction/Equipment	0	0	0	0	0	0	37,000	37,000
Total Project Costs	0	0	0	0	0	0	48,000	48,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

MPU-Replace Carpet and Paint

Area: CC

Objective(s): Maintenance
Replacement

Project Description

The Mounted Patrol Unit (MPU) facility receives heavy wear and tear. This project will clean and repaint the interior walls and replace the carpet.

Funding Sources

Rents	0	0	0	23,000	0	0	0	23,000
Total Funding Sources	0	0	0	23,000	0	0	0	23,000

Project Costs

Design/Project Mgmt	0	0	0	5,000	0	0	0	5,000
Construction/Equipment	0	0	0	18,000	0	0	0	18,000
Total Project Costs	0	0	0	23,000	0	0	0	23,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Safety Management and Finance

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

NE Precinct-Replace Roof

Area: NE

Objective(s): Maintenance
Replacement

Project Description

This project will replace the roof at NE Precinct, which will have reached the end of its useful life.

Funding Sources

Rents	0	0	0	0	395,000	0	0	395,000
Total Funding Sources	0	0	0	0	395,000	0	0	395,000

Project Costs

Design/Project Mgmt	0	0	0	0	98,000	0	0	98,000
Construction/Equipment	0	0	0	0	297,000	0	0	297,000
Total Project Costs	0	0	0	0	395,000	0	0	395,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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New SE Comm. Policing Facility

Area: SE

Objective(s): Expansion
Efficiency

Project Description

This will be a new Inner SE Community Policing Facility that is proposed in the draft Police Facilities Master Plan.

Funding Sources

Unfunded	0	0	0	0	0	0	14,246,960	14,246,960
Total Funding Sources	0	0	0	0	0	0	14,246,960	14,246,960

Project Costs

Site Acquisition	0	0	0	0	0	0	1,548,000	1,548,000
Design/Project Mgmt	0	0	0	0	0	0	2,334,000	2,334,000
Construction/Equipment	0	0	0	0	0	0	10,364,960	10,364,960
Total Project Costs	0	0	0	0	0	0	14,246,960	14,246,960

Oper & Maint Costs	0	0	0	0	0	0	339,000	339,000
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New NW Comm. Policing Facility

Area: NW

Objective(s): Expansion
Efficiency

Project Description

This will be a new NW Community Policing Facility that is proposed in the draft Police Facilities Master Plan.

Funding Sources

Unfunded	0	0	0	0	0	0	14,246,960	14,246,960
Total Funding Sources	0	0	0	0	0	0	14,246,960	14,246,960

Project Costs

Site Acquisition	0	0	0	0	0	0	1,548,000	1,548,000
Design/Project Mgmt	0	0	0	0	0	0	2,334,000	2,334,000
Construction/Equipment	0	0	0	0	0	0	10,364,960	10,364,960
Total Project Costs	0	0	0	0	0	0	14,246,960	14,246,960

Oper & Maint Costs	0	0	0	0	0	0	339,000	339,000
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Capital Improvement Plan — Public Safety Management and Finance

PROJECT DETAIL

		Revised	Adopted	Capital Plan					
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	
New NE Comm. Policing Facility									
									Area: NE
									Objective(s): Expansion Efficiency
Project Description									
This will be a new Outer NE Community Policing Facility that is proposed in the draft Police Facilities Master Plan.									
Funding Sources									
Unfunded		0	0	0	0	0	7,123,480	7,123,480	14,246,960
Total Funding Sources		0	0	0	0	0	7,123,480	7,123,480	14,246,960
Project Costs									
Design/Project Mgmt		0	0	0	0	0	1,167,000	1,167,000	14,585,960
Site Acquisition		0	0	0	0	0	1,548,000	0	1,548,000
Construction/Equipment		0	0	0	0	0	4,408,480	5,956,480	10,364,960
Total Project Costs		0	0	0	0	0	7,123,480	7,123,480	14,246,960
Oper & Maint Costs		0	0	0	0	0	339,000	339,000	678,000
Replace Police Prop. Warehouse									
									Area: Undefined
									Objective(s): Replacement Efficiency
Project Description									
Replace existing Police Property Warehouse which is in very poor condition with a new facility that is proposed in the draft Police Facilities Master Plan.									
Funding Sources									
Unfunded		0	0	0	0	0	9,822,595	9,822,595	19,645,190
Total Funding Sources		0	0	0	0	0	9,822,595	9,822,595	19,645,190
Project Costs									
Construction/Equipment		0	0	0	0	0	0	6,564,595	6,564,595
Design/Project Mgmt		0	0	0	0	0	3,258,000	3,258,000	6,516,000
Site Acquisition		0	0	0	0	0	6,564,595	0	6,564,595
Total Project Costs		0	0	0	0	0	9,822,595	9,822,595	19,645,190
Oper & Maint Costs		0	0	0	0	0	0	0	0
New SW Comm. Policing Facility									
									Area: SW
									Objective(s): Expansion Efficiency
Project Description									
This will be a new SW Community Policing Facility that is proposed in the draft Police Facilities Master Plan.									
Funding Sources									
Unfunded		0	0	0	0	0	0	14,246,960	14,246,960
Total Funding Sources		0	0	0	0	0	0	14,246,960	14,246,960
Project Costs									
Site Acquisition		0	0	0	0	0	0	1,548,000	1,548,000
Design/Project Mgmt		0	0	0	0	0	0	2,334,000	2,334,000
Construction/Equipment		0	0	0	0	0	0	10,364,960	10,364,960
Total Project Costs		0	0	0	0	0	0	14,246,960	14,246,960
Oper & Maint Costs		0	0	0	0	0	0	339,000	339,000

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total

New Traffic Facility

Area: Undefined

Objective(s): Expansion
Efficiency

Project Description

The Traffic Division is now in leased space that doesn't suit its needs. This project will provide a new City owned facility that is proposed in the draft Police Facilities Master Plan.

Funding Sources

Unfunded	0	0	0	0	8,954,820	8,954,820	0	17,909,640
Total Funding Sources	0	0	0	0	8,954,820	8,954,820	0	17,909,640

Project Costs

Design/Project Mgmt	0	0	0	0	1,167,000	1,167,000	0	2,334,000
Site Acquisition	0	0	0	0	1,548,000	0	0	1,548,000
Construction/Equipment	0	0	0	0	6,239,820	7,787,820	0	14,027,640
Total Project Costs	0	0	0	0	8,954,820	8,954,820	0	17,909,640
Oper & Maint Costs	0	0	0	0	541,000	541,000	0	1,082,000

New Police Training Facility

Area: Undefined

Objective(s): Replacement
Expansion
Efficiency

Project Description

The Police Training Facility is in very limited leased facilities. This project proposes a regional Law Enforcement Training Academy serving the NW Oregon region. It is part of the draft Police Facility Master Plan.

Funding Sources

Unfunded	0	0	0	0	0	0	30,476,670	30,476,670
Total Funding Sources	0	0	0	0	0	0	30,476,670	30,476,670

Project Costs

Construction/Equipment	0	0	0	0	0	0	3,555,670	3,555,670
Design/Project Mgmt	0	0	0	0	0	0	10,107,000	10,107,000
Site Acquisition	0	0	0	0	0	0	16,814,000	16,814,000
Total Project Costs	0	0	0	0	0	0	30,476,670	30,476,670
Oper & Maint Costs	0	0	0	0	0	0	644,000	644,000

Replace Central Precinct

Area: CC

Objective(s): Replacement
Mandated

Project Description

State statutes require Police stations to be located in buildings designed to meet 'essential facility' standards. The current location does not. Additional a new facility will provide needed expansion space. This project is in the proposed Police Facility Master Plan.

Funding Sources

Unfunded	0	0	0	0	0	0	23,548,890	23,548,890
Total Funding Sources	0	0	0	0	0	0	23,548,890	23,548,890

Project Costs

Site Acquisition	0	0	0	0	0	0	7,738,000	7,738,000
Design/Project Mgmt	0	0	0	0	0	0	7,805,000	7,805,000
Construction/Equipment	0	0	0	0	0	0	8,005,890	8,005,890
Total Project Costs	0	0	0	0	0	0	23,548,890	23,548,890
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Safety Management and Finance

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

Reconfigure Parking at Rivergate

Area: N

Objective(s): Maintenance
Efficiency

Project Description

This project would install numbered wheelstops in the unpaved parking lot at the Rivergate Vehicle Impound Storage facility. The lot would be laid out to improve efficiency and make location of vehicles easier.

Funding Sources

Rents	0	0	30,000	0	0	0	0	30,000
Total Funding Sources	0	0	30,000	0	0	0	0	30,000

Project Costs

Design/Project Mgmt	0	0	7,000	0	0	0	0	7,000
Construction/Equipment	0	0	23,000	0	0	0	0	23,000
Total Project Costs	0	0	30,000	0	0	0	0	30,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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JC-Facility Upgrades

Area: CC

Objective(s): Maintenance

Project Description

This project is part of the long-term plan to maintain the appearance and condition of the building. This scheduled maintenance approach spreads costs and protects the investment in this asset. The scope of the project includes the 1st and 11-15th floors.

Funding Sources

Rents	0	0	243,600	243,600	243,600	243,600	243,600	1,218,000
Total Funding Sources	0	0	243,600	243,600	243,600	243,600	243,600	1,218,000

Project Costs

Design/Project Mgmt	0	0	60,600	60,600	60,600	60,600	60,600	303,000
Construction/Equipment	0	0	183,000	183,000	183,000	183,000	183,000	915,000
Total Project Costs	0	0	243,600	243,600	243,600	243,600	243,600	1,218,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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MPU-Horse Barn Ventilation System

Area: CC

Objective(s): Maintenance

Project Description

The Mounted Patrol Unit facility has high air moisture levels due to the horse washing facilities and the horse stalls. This project will design and install a ventilation system to regulate air moisture.

Funding Sources

Rents	0	0	66,000	0	0	0	0	66,000
Total Funding Sources	0	0	66,000	0	0	0	0	66,000

Project Costs

Design/Project Mgmt	0	0	16,000	0	0	0	0	16,000
Construction/Equipment	0	0	50,000	0	0	0	0	50,000
Total Project Costs	0	0	66,000	0	0	0	0	66,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total

JC-Re-Key Door Locksets

Area: CC

Objective(s): Maintenance

Project Description

This project will replace the aging and worn original mechanical locksets for the passage doors in the City-occupied portion of the Justice Center

Funding Sources

Rents	0	0	66,000	0	0	0	0	66,000
Total Funding Sources	0	0	66,000	0	0	0	0	66,000

Project Costs

Design/Project Mgmt	0	0	16,000	0	0	0	0	16,000
Construction/Equipment	0	0	50,000	0	0	0	0	50,000

Total Project Costs	0	0	66,000	0	0	0	0	66,000
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Oper & Maint Costs	0	0	0	0	0	0	0	0
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SE Precinct-Secure Parking Lot

Area: SE

Objective(s): Efficiency

Project Description

This project provides vehicle and pedestrian access control gates at the southeast and southwest parking lot entrances. Decorative fencing will also be installed to prevent unauthorized personnel from entering the restricted parking lot.

Funding Sources

Rents	0	0	153,000	0	0	0	0	153,000
Total Funding Sources	0	0	153,000	0	0	0	0	153,000

Project Costs

Design/Project Mgmt	0	0	38,000	0	0	0	0	38,000
Construction/Equipment	0	0	115,000	0	0	0	0	115,000

Total Project Costs	0	0	153,000	0	0	0	0	153,000
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Oper & Maint Costs	0	0	0	0	0	0	0	0
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N Precinct-Public Space Improvement

Area: N

Objective(s): Maintenance

Project Description

This project will design and construct improvements at the public space area in front of North Precinct.

Funding Sources

Rents	0	0	100,000	0	0	0	0	100,000
Total Funding Sources	0	0	100,000	0	0	0	0	100,000

Project Costs

Design/Project Mgmt	0	0	25,000	0	0	0	0	25,000
Construction/Equipment	0	0	75,000	0	0	0	0	75,000

Total Project Costs	0	0	100,000	0	0	0	0	100,000
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Oper & Maint Costs	0	0	0	0	0	0	0	0
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JC-Access Control System Upgrade

Area: CC

Objective(s): Maintenance

Project Description

This project replaces all existing access readers with card readers and upgrades the access control system.

Funding Sources

Rents	0	0	239,000	0	0	0	0	239,000
Total Funding Sources	0	0	239,000	0	0	0	0	239,000

Project Costs

Design/Project Mgmt	0	0	59,000	0	0	0	0	59,000
Construction/Equipment	0	0	180,000	0	0	0	0	180,000

Total Project Costs	0	0	239,000	0	0	0	0	239,000
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Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Public Safety Management and Finance

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

JC-Building Security Improvement

Area: CC

Objective(s): Maintenance

Project Description

This project implements security improvements recommended by a security consultant for the 1st and 11-16th floors of the City portion of the Justice Center.

Funding Sources

Rents	0	0	85,000	148,250	148,250	148,250	148,250	678,000
Total Funding Sources	0	0	85,000	148,250	148,250	148,250	148,250	678,000

Project Costs

Design/Project Mgmt	0	0	21,000	36,750	36,750	36,750	36,750	168,000
Construction/Equipment	0	0	64,000	111,500	111,500	111,500	111,500	510,000
Total Project Costs	0	0	85,000	148,250	148,250	148,250	148,250	678,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

JC-Install Vehicle Access Barriers

Area: CC

Objective(s): Maintenance

Project Description

This project will install surface-mount vehicle access control barriers on the entrance and exit ramps of the Justice Center garage.

Funding Sources

Rents	0	0	153,000	0	0	0	0	153,000
Total Funding Sources	0	0	153,000	0	0	0	0	153,000

Project Costs

Design/Project Mgmt	0	0	38,000	0	0	0	0	38,000
Construction/Equipment	0	0	115,000	0	0	0	0	115,000
Total Project Costs	0	0	153,000	0	0	0	0	153,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

JC-Fire System Upgrade

Area: CC

Objective(s): Maintenance/

Project Description

This project is the City portion of a Multnomah County project to replace the Justice Center's original fire alarm system with an up-to-date code alarm system.

Funding Sources

Rents	0	0	822,000	102,750	102,750	102,750	102,750	1,233,000
Total Funding Sources	0	0	822,000	102,750	102,750	102,750	102,750	1,233,000

Project Costs

Construction/Equipment	0	0	822,000	102,750	102,750	102,750	102,750	1,233,000
Total Project Costs	0	0	822,000	102,750	102,750	102,750	102,750	1,233,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

JC-Detention Electronics

Area: CC

Objective(s): Maintenance

Project Description

This project is part of a Multnomah County project that will upgrade the detention electronics system in the Justice Center. The City portion includes an upgrade to existing electrical panels for the City system.

Funding Sources

Rents	0	0	85,000	0	0	0	0	85,000
Total Funding Sources	0	0	85,000	0	0	0	0	85,000

Project Costs

Design/Project Mgmt	0	0	21,000	0	0	0	0	21,000
Construction/Equipment	0	0	64,000	0	0	0	0	64,000
Total Project Costs	0	0	85,000	0	0	0	0	85,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total

JC-HVAC Controls Upgrade

Area: CC

Objective(s): Maintenance

Project Description

This project upgrades the existing software and computer processors that monitor the Justice Center's mechanical equipment. This is the City's portion of a larger Multnomah County project.

Funding Sources

Rents	0	0	36,000	0	0	0	0	36,000
Total Funding Sources	0	0	36,000	0	0	0	0	36,000

Project Costs

Construction/Equipment	0	0	36,000	0	0	0	0	36,000
Total Project Costs	0	0	36,000	0	0	0	0	36,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

PPW-Seal Building Exterior

Area: SW

Objective(s): Maintenance

Project Description

This project will pressure wash and waterproof the exterior masonry surfaces of the Police Property Warehouse building.

Funding Sources

Rents	0	0	0	76,000	0	0	0	76,000
Total Funding Sources	0	0	0	76,000	0	0	0	76,000

Project Costs

Design/Project Mgmt	0	0	0	19,000	0	0	0	19,000
Construction/Equipment	0	0	0	57,000	0	0	0	57,000
Total Project Costs	0	0	0	76,000	0	0	0	76,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

PPW-Replace Roof

Area: SW

Objective(s): Maintenance

Project Description

This project will replace the existing, deteriorated roof on the aging Police Property Warehouse building.

Funding Sources

Rents	0	0	0	93,000	0	0	0	93,000
Total Funding Sources	0	0	0	93,000	0	0	0	93,000

Project Costs

Design/Project Mgmt	0	0	0	23,000	0	0	0	23,000
Construction/Equipment	0	0	0	70,000	0	0	0	70,000
Total Project Costs	0	0	0	93,000	0	0	0	93,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

PPW-Replace Standby Generator

Area: SW

Objective(s): Maintenance

Project Description

This project will replace the existing, old standby generator in the Police Property Warehouse building with a new larger capacity generator.

Funding Sources

Rents	0	0	0	51,000	0	0	0	51,000
Total Funding Sources	0	0	0	51,000	0	0	0	51,000

Project Costs

Design/Project Mgmt	0	0	0	13,000	0	0	0	13,000
Construction/Equipment	0	0	0	38,000	0	0	0	38,000
Total Project Costs	0	0	0	51,000	0	0	0	51,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year Total	

JC-Electrical System Upgrade

Area: CC

Objective(s): Maintenance

Project Description

This project will implement the recommendations of an engineering study to design an electrical system for the Justice Center that is capable of supporting the known and projected electrical loads for the building. Additionally, the project will also separate the electrical metering so the City portion of the building can be billed directly by the utility company.

Funding Sources

Rents	0	0	846,000	0	0	0	0	846,000
Total Funding Sources	0	0	846,000	0	0	0	0	846,000

Project Costs

Design/Project Mgmt	0	0	210,000	0	0	0	0	210,000
Construction/Equipment	0	0	636,000	0	0	0	0	636,000
Total Project Costs	0	0	846,000	0	0	0	0	846,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Portland Communications Center

Portland Comm Center Maintenance

Area: SE

Objective(s): Maintenance

Project Description

OMF is proposing a decision package to fund a major maintenance component in the rental rate charged to tenants. In prior years the rate had a small major maintenance component but this was gradually reduced as operating costs increased. OMF is proposing a package of \$90,000 per year beginning in FY 2006.

Funding Sources

Rents	0	0	90,000	90,000	90,000	90,000	90,000	450,000
Total Funding Sources	0	0	90,000	90,000	90,000	90,000	90,000	450,000

Project Costs

Design/Project Mgmt	0	0	35,000	35,000	35,000	35,000	35,000	175,000
Construction/Equipment	0	0	55,000	55,000	55,000	55,000	55,000	275,000
Total Project Costs	0	0	90,000	90,000	90,000	90,000	90,000	450,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Improve Exterior Building Security

Area: SE

Objective(s): Efficiency

Project Description

This project provides for the continued implementation of security improvements as recommended in the Security Consultant report and prioritized through development of the Security Master Plan.

Funding Sources

Service Reimbursements	0	0	237,000	0	0	0	0	237,000
Total Funding Sources	0	0	237,000	0	0	0	0	237,000

Project Costs

Construction/Equipment	0	0	237,000	0	0	0	0	237,000
Total Project Costs	0	0	237,000	0	0	0	0	237,000
Oper & Maint Costs	0	0	0	0	0	0	0	0



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Parks, Recreation, and Culture

Overview and Financial Tables

SERVICE AREA OVERVIEW

The Parks, Recreation, and Culture service area CIP encompasses projects in Portland Parks and Recreation and the Office of Management and Finance's Spectator Facilities Operating Fund. A total of about \$9.9 million is budgeted in FY 2004-05, or 3.6% of the City's capital budget. Over \$64.5 million is planned for the FY 2005-09 CIP.

PORTLAND PARKS AND RECREATION

Most of the service area CIP is in Portland Parks and Recreation. The bureau's FY 2004-05 CIP is \$9.4 million, including \$1.9 million in Acquisitions, \$2.4 million in Aquatics, \$3.3 million in Parks, and lesser amounts in Facilities, Golf, and Natural Areas.

OFFICE OF MANAGEMENT AND FINANCE: SPECTATOR FACILITIES

Spectator Facilities includes two projects, for Memorial Coliseum and PGE Park, that total \$500,000 in FY 2004-05.

Capital Improvement Plan — Parks, Recreation & Culture

SOURCES AND USES

This table summarizes the funding and costs by capital program for bureaus within this service area.

Bureau		Revised	Adopted	Capital Plan				
Capital Program	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year
Spectator Facilities								
Funding Sources								
Rents	0	850,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Total Funding Sources	0	850,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Project Costs								
Construction/Equipment	0	850,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Total Project Costs	0	850,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Parks Bureau								
Acquisitions								
Funding Sources								
BES Permit Fees and Charges	0	360,000	0	0	0	0	0	0
General Fund	125,000	125,000	125,000	100,000	100,000	100,000	100,000	525,000
River District TIF	0	3,000,000	341,114	0	0	0	0	341,114
State Grants	0	250,000	0	0	0	0	0	0
System Development Charges	3,080,469	3,194,548	1,397,433	1,063,225	1,413,225	2,838,225	2,538,225	9,250,333
Total Funding Sources	3,205,469	6,929,548	1,863,547	1,163,225	1,513,225	2,938,225	2,638,225	10,116,447
Project Costs								
Site Acquisition	3,205,469	6,929,548	1,863,547	1,163,225	1,513,225	2,938,225	2,638,225	10,116,447
Total Project Costs	3,205,469	6,929,548	1,863,547	1,163,225	1,513,225	2,938,225	2,638,225	10,116,447
Oper & Maint Costs	0	0	0	0	0	0	0	0
Aquatics								
Funding Sources								
General Fund	0	0	0	0	0	200,000	0	200,000
Parks Levy	0	300,000	2,426,957	275,000	4,275,000	0	0	6,976,957
Total Funding Sources	0	300,000	2,426,957	275,000	4,275,000	200,000	0	7,176,957
Project Costs								
Construction/Equipment	0	0	1,811,359	0	4,125,000	170,000	0	6,106,359
Design/Project Mgmt	0	300,000	615,598	275,000	150,000	30,000	0	1,070,598
Total Project Costs	0	300,000	2,426,957	275,000	4,275,000	200,000	0	7,176,957
Oper & Maint Costs	0	0	2,185	2,251	2,319	576,138	573,750	1,156,643
Facilities								
Funding Sources								
Federal Grants	1,200,000	545,715	192,174	0	0	0	0	192,174
General Fund	0	500,000	576,117	1,200,000	1,100,000	1,100,000	2,000,000	5,976,117
Other Financing (Internal)	0	125,000	5,874	0	0	0	0	5,874
Parks Levy	0	0	0	3,450,000	0	0	0	3,450,000
Private Grants and Donations	0	145,000	0	0	0	0	0	0
System Development Charges	0	0	0	1,000,000	0	0	0	1,000,000
Total Funding Sources	1,200,000	1,315,715	774,165	5,650,000	1,100,000	1,100,000	2,000,000	10,624,165
Project Costs								
Construction/Equipment	1,200,000	1,255,715	430,874	4,730,000	440,000	475,000	1,275,000	7,350,874
Design/Project Mgmt	0	60,000	343,291	320,000	60,000	25,000	125,000	873,291
Site Acquisition	0	0	0	600,000	600,000	600,000	600,000	2,400,000
Total Project Costs	1,200,000	1,315,715	774,165	5,650,000	1,100,000	1,100,000	2,000,000	10,624,165
Oper & Maint Costs	0	0	0	188,208	192,027	195,961	144,161	720,357

Capital Improvement Plan — Parks, Recreation & Culture

SOURCES AND USES

This table summarizes the funding and costs by capital program for bureaus within this service area.

Bureau	Revised		Adopted	Capital Plan				
Capital Program	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year
Golf								
Funding Sources								
Golf Fees	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Total Funding Sources	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Project Costs								
Construction/Equipment	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Total Project Costs	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Natural Areas								
Funding Sources								
Federal Grants	0	154,930	311,608	4,025,000	1,316,250	0	0	5,652,858
BES Permit Fees	0	0	70,822	0	0	0	0	70,822
General Fund	150,000	204,825	125,000	0	0	0	0	125,000
Interagencies Bureau Revenues	0	25,000	208,041	0	0	0	0	208,041
Local Matches	0	0	0	750,000	0	0	240,000	990,000
Other Financing (Internal)	0	23,633	0	0	0	0	0	0
Private Grants and Donations	0	30,000	34,782	40,000	20,000	20,000	20,000	134,782
TEA-21	0	30,000	33,000	0	0	0	0	33,000
Total Funding Sources	150,000	468,388	783,253	4,815,000	1,336,250	20,000	260,000	7,214,503
Project Costs								
Construction/Equipment	0	30,000	330,253	4,265,000	1,220,000	20,000	20,000	5,855,253
Design/Project Mgmt	150,000	359,755	420,000	550,000	116,250	0	240,000	1,326,250
Planning	0	78,633	33,000	0	0	0	0	33,000
Total Project Costs	150,000	468,388	783,253	4,815,000	1,336,250	20,000	260,000	7,214,503
Oper & Maint Costs	0	0	0	32,000	32,000	32,000	12,000	108,000
Parks								
Funding Sources								
BES Rates	0	25,000	109,786	100,000	400,000	0	0	609,786
Federal Grants	140,000	234,000	222,353	1,095,250	0	0	0	1,317,603
Fund Balance (Internal)	0	75,670	539,289	0	0	0	0	539,289
General Fund	0	125,000	325,000	100,000	100,000	0	585,000	1,110,000
Interagencies Bureau Revenues	0	0	0	0	0	500,000	0	500,000
Local Cost Sharing	0	140,000	37,000	0	0	0	0	37,000
Other Financing (Internal)	0	50,000	36,771	67,528	3,000,000	0	0	3,104,299
Parks Levy	0	172,500	348,996	427,500	190,000	1,045,000	0	2,011,496
Partnership	25,000	50,000	0	0	2,800,000	2,000,000	0	4,800,000
PDC	0	50,000	0	0	0	1,500,000	0	1,500,000
Private Grants and Donations	0	4,733	121,956	1,050,000	0	0	275,000	1,446,956
State Grants	0	72,500	0	0	0	0	0	0
Tax Increment Financing	0	882,609	865,265	2,140,000	2,000,000	0	0	5,055,265
Water Capital Fund	47,000	108,000	729,407	1,069,000	0	0	0	1,798,407
Total Funding Sources	212,000	1,990,012	3,335,823	6,049,278	8,490,000	5,045,000	910,000	23,830,101
Project Costs								
Construction/Equipment	0	729,500	869,396	4,860,000	7,576,000	4,485,000	605,000	18,395,396
Design/Project Mgmt	165,000	976,096	1,612,195	1,089,278	914,000	560,000	305,000	4,480,473
Fund Level Costs	0	90,670	745,431	0	0	0	0	745,431
Planning	47,000	193,746	108,801	100,000	0	0	0	208,801
Total Project Costs	212,000	1,990,012	3,335,823	6,049,278	8,490,000	5,045,000	910,000	23,830,101
Oper & Maint Costs	0	0	105,400	235,748	233,817	236,620	236,620	1,048,205

Capital Improvement Plan — Parks, Recreation & Culture

SOURCES AND USES

This table summarizes the funding and costs by capital program for bureaus within this service area.

Bureau	Revised		Adopted	Capital Plan				
Capital Program	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year
Portland International Raceway								
Funding Sources								
License/Permits	0	0	0	250,000	50,000	1,050,000	700,000	2,050,000
Total Funding Sources	0	0	0	250,000	50,000	1,050,000	700,000	2,050,000
Project Costs								
Construction/Equipment	0	0	0	85,000	50,000	940,000	550,000	1,625,000
Design/Project Mgmt	0	0	0	165,000	0	110,000	150,000	425,000
Total Project Costs	0	0	0	250,000	50,000	1,050,000	700,000	2,050,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Parks, Recreation & Culture

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area for bureaus within this service area.

Bureau	Revised	Adopted	Capital Plan					5-Year
Geographic Area	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	Total
Parks, Recreation, and Culture								
Management and Finance								
Northeast	0	750,000	400,000	400,000	400,000	400,000	400,000	2,000,000
Southeast	0	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Total Office of Management and Finance	0	850,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Parks Bureau								
All Areas	3,280,469	4,305,218	2,954,893	1,840,725	2,003,225	3,233,225	3,198,225	12,870,293
Central City	0	3,120,000	399,592	2,100,000	7,900,000	4,950,000	0	15,349,592
East	0	530,746	411,010	1,375,000	4,275,000	0	0	6,061,010
North	1,200,000	1,097,578	753,773	3,792,000	50,000	1,050,000	1,150,000	7,543,450
Northeast	125,000	299,733	465,109	0	0	200,000	100,000	6,795,773
Northwest	0	435,000	330,397	600,000	450,000	300,000	200,000	1,880,397
Southeast	337,000	716,755	2,103,052	8,539,250	1,966,250	800,000	2,040,000	15,448,552
Southwest	25,000	698,633	2,325,919	155,528	320,000	20,000	20,000	2,841,447
Total Parks Bureau	4,967,469	11,203,663	9,383,745	18,402,503	16,964,475	10,553,225	6,708,225	62,012,173
Total Parks, Recreation, and Culture	\$ 4,967,469	\$ 12,053,663	\$ 9,833,745	\$ 18,902,503	\$ 17,464,475	\$ 11,053,225	\$ 7,208,225	\$ 64,512,173

Capital Improvement Plan — Parks, Recreation & Culture

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program		Revised	Adopted	Capital Plan				5-Year Total
Project	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Management and Finance								
Spectator Facilities								
Memorial Coliseum	0	750,000	400,000	400,000	400,000	400,000	400,000	2,000,000
PGE Park	0	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Total Spectator Facilities	0	850,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Total Management and Finance	0	850,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Parks Bureau								
Acquisitions								
Killingsworth site	125,000	125,000	125,000	0	0	0	0	125,000
Park Deficient Area	0	0	0	100,000	100,000	100,000	100,000	400,000
SDC-Community Parks	0	1,015,000	400,000	0	50,000	1,500,000	1,500,000	3,050,000
SDC-Natural Areas	0	900,000	0	0	0	25,000	25,000	50,000
SDC-Neighborhood Pks	0	1,197,123	0	0	300,000	250,000	0	550,000
SDC-Trails	0	50,000	50,000	50,000	50,000	50,000	0	200,000
Park Opportunity	3,080,469	150,000	45,203	50,000	50,000	50,000	50,000	245,203
River District Neighborhood Park	0	3,000,000	341,114	0	0	0	0	341,114
SDC-Bonds & Grants	0	492,425	902,230	963,225	963,225	963,225	963,225	4,755,130
Total Acquisitions	3,205,469	6,929,548	1,863,547	1,163,225	1,513,225	2,938,225	2,638,225	10,116,447
Aquatics								
Dishman Pool Upgrade	0	0	0	0	0	200,000	0	200,000
East Portland CC Pool	0	0	184,348	275,000	4,275,000	0	0	4,734,348
Wilson Pool Renovation	0	300,000	2,242,609	0	0	0	0	2,242,609
Total Aquatics	0	300,000	2,426,957	275,000	4,275,000	200,000	0	7,176,957
Facilities								
Community Music Center Hose Tower	0	0	0	0	0	0	1,100,000	1,100,000
Dishman Community Center	0	0	90,000	0	0	0	0	90,000
Hillside CC Major Maintenance	0	145,000	0	200,000	100,000	200,000	100,000	600,000
Parks Maintenance Facility	0	0	236,117	1,600,000	650,000	800,000	700,000	3,986,117
Pittock Mansion Masonry Repair	0	25,000	0	200,000	100,000	100,000	100,000	500,000
Pittock Mansion Road and Culvert Repair	0	0	0	200,000	250,000	0	0	450,000
Rose Garden Store Expansion	0	100,000	5,874	0	0	0	0	5,874
University Park CC Phase III	0	0	92,174	3,450,000	0	0	0	3,542,174
University Park CC Phase II	1,200,000	1,045,715	350,000	0	0	0	0	350,000
Total Facilities	1,200,000	1,315,715	774,165	5,650,000	1,100,000	1,100,000	2,000,000	10,624,165
Golf								
Golf Small CIP Projects	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Total Golf	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Natural Areas								
Columbia South Shore Trail Improvements	0	25,000	208,041	0	0	0	0	208,041
Hoyt Arboretum	0	10,000	17,391	20,000	20,000	20,000	20,000	97,391
Natural Resources Field Office	0	0	70,822	0	0	0	0	70,822
Oaks Bottom Habitat Restoration	0	29,825	0	750,000	1,316,250	0	0	2,066,250
Red Electric Feasibility Study	0	53,633	33,000	0	0	0	0	33,000
Springwater Corridor - Sellwood Gap	0	0	0	0	0	0	240,000	240,000
Springwater Corridor - Three Bridges	150,000	329,930	436,608	4,025,000	0	0	0	4,461,608
SW Trail In PPR sites	0	20,000	17,391	20,000	0	0	0	37,391
Total Natural Areas	150,000	468,388	783,253	4,815,000	1,336,250	20,000	260,000	7,214,503
Parks								
Ankeny Plaza	0	0	9,786	100,000	5,900,000	0	0	6,009,786
Asset Management Software	0	0	0	50,000	100,000	0	0	150,000
Common Cost Pool	0	75,670	539,289	0	0	0	0	539,289
Dawson Park Lighting	0	0	0	52,000	0	0	0	52,000
Duniway Track Renovation	0	0	0	100,000	0	0	0	100,000
Eastmoreland Garden	0	0	86,956	0	0	0	0	86,956

Capital Improvement Plan — Parks, Recreation & Culture

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program		Revised	Adopted	Capital Plan				
Project	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total
Gateway Urban Renewal District	0	15,000	206,142	0	0	0	0	206,142
Irrigation Wells Installation	0	125,000	125,000	0	0	0	100,000	225,000
Irving Park Sports Field Renovation	0	145,000	7,068	0	0	0	0	7,068
Irving Park Water Feature	0	4,733	35,000	0	0	0	0	35,000
Kelley Point Park Canoe Launch	0	0	222,353	0	0	0	0	222,353
Lents Urban Renewal Planning & Design	0	30,746	76,662	0	0	0	0	76,662
Mt Tabor Open Reservoir Phase II	47,000	108,000	729,407	1,069,000	0	0	0	1,798,407
North Interstate Urban Renewal	0	51,863	89,246	0	0	0	0	89,246
North Park Square	0	165,000	324,523	0	0	0	0	324,523
O'Bryant Sq Master Plan and Renovation	0	0	0	0	0	2,950,000	0	2,950,000
Park Block 5 / Mid-Town Blocks	0	120,000	48,692	2,000,000	0	0	0	2,048,692
Patton Square Master Plan	0	0	0	40,000	0	0	0	40,000
Play Structures & Playground Renovation	0	50,000	138,884	190,000	190,000	95,000	0	613,884
Pedestrian Access System Repair	0	0	0	0	0	0	50,000	50,000
Peninsula Rose Garden Masonry Tuck Wk	0	0	0	0	0	0	100,000	100,000
Raymond Park	0	500,000	150,000	0	0	0	0	150,000
Restroom Renovations	0	0	0	0	0	0	60,000	60,000
Roads,Paths & Parking Lot Study	0	0	0	0	0	0	100,000	100,000
Skateboard Parks	0	50,000	173,044	282,500	0	0	0	410,544
Small Capital Projects	0	0	21,243	0	0	0	0	21,243
South Waterfront Greenway	25,000	315,000	15,528	15,528	300,000	0	0	331,056
Strasser Field - East Delta Park	0	0	0	0	0	0	450,000	450,000
Tennis Courts Renovation	0	0	0	0	0	0	50,000	50,000
Walker Stadium Renovation	0	0	0	1,100,000	0	0	0	1,100,000
Waterfront Park Central Plaza	0	0	0	0	2,000,000	2,000,000	0	4,000,000
Westmoreland Park - Crystal Springs	140,000	234,000	337,000	1,095,250	0	0	0	1,432,250
Total Parks	212,000	1,990,012	3,335,823	6,049,278	8,490,000	5,045,000	910,000	23,830,101
Portland International Raceway								
PIR Eastbank Terracing	0	0	0	0	0	0	650,000	650,000
PIR Irrigation	0	0	0	50,000	50,000	50,000	50,000	200,000
PIR Paving	0	0	0	0	0	800,000	0	800,000
PIR Safety Improvements	0	0	0	200,000	0	0	0	200,000
PIR Water Quality Swales/Filters	0	0	0	0	0	200,000	0	200,000
Total Portland International Raceway	0	0	0	250,000	50,000	1,050,000	700,000	2,050,000
Total Parks Bureau	4,967,469	11,103,663	9,383,745	18,402,503	16,964,475	10,553,255	6,708,225	62,012,173
Total Parks, Recreation, & Culture	\$ 4,967,469	\$ 11,953,663	\$ 9,883,745	\$ 18,902,503	\$ 17,464,475	\$ 11,053,225	\$ 7,208,225	\$ 64,512,173

Portland Parks and Recreation

CAPITAL OVERVIEW

Bureau Mission

Portland Parks and Recreation is dedicated to ensuring access to leisure opportunities and enhancing Portland's natural beauty.

Within its mission, Portland Parks & Recreation has three interrelated responsibilities:

1. To care for parks, natural areas, and the urban forest;
2. To provide suitable land and facilities for public recreation; and
3. To organize recreational pursuits that foster personal health and build a sense of community.

CIP Highlights

Portland Parks & Recreation (PP&R) has over \$700 million dollars worth of assets that account for over three-quarters of the total General Fund infrastructure. PP&R manages more than 11,000 acres of park land and natural areas, over 200 parks (developed and undeveloped), 12 community centers, 16 pools either owned or programmed by PP&R, two tennis centers, eight public gardens, the Hoyt Arboretum, seven cultural venues, four golf courses, and Portland International Raceway (PIR).

Portland Parks & Recreation CIP has three primary goals:

1. Restore failing infrastructure and maintain existing parks and buildings;
2. Expand the system through park development and land acquisition in an effort to keep up with growth and to provide equitable recreational opportunities citywide; and
3. Respond to new trends and citywide visions.

Major Issues

The most critical issue facing PP&R is the capital funding gap combined with the expanding backlog of deferred capital maintenance in parks, buildings, and maintenance facilities. The system-wide need to repair failing and often unsafe infrastructure requires substantial annual capital investment. The current level of general fund capital does not provide resources for a sustainable system. While in FY 2003-04 the Parks capital budget was \$10 million (excluding PIR & Golf), only 10% of that total came from the General Fund Capital Set-Aside. If funding cannot be supplemented from alternate sources, PP&R will be faced with closing facilities and cutting back services.

Changes from Prior Years

In 2004, under new leadership, Parks made the replacement of Mt. Tabor Yard and the Urban Forestry maintenance facilities its number one priority. This is estimated to cost upwards of \$11 million (without land purchase). The potential purchase of Washington Monroe High School and surplus Portland Public School lands present additional financial challenges. FY 2004-05 also represents the first full year of the Parks Levy. The levy does address deferred maintenance to key facilities like Wilson Pool, University Park Community Center, heavily used sports fields, and deteriorating

playgrounds. However, the reduced capital dollars from the General Fund required PP&R to push back some major facility repairs once again. Funding for new park development in the River District (Portland Development Commission, or PDC), North Portland (Housing Authority), and NW Portland (system development charges, or SDC's) came from alternative capital sources.

STRATEGIC DIRECTION

Council Goals and Priorities

The City's capital program provides five primary criteria for project inclusion: Repair, Maintenance, Mandated, Expansion, and Efficiency. The majority of PP&R capital needs are for repair and maintenance of deteriorating infrastructure. In support of City environmental goals, the bureau, through grant matches and inter-bureau partnerships, has identified key restoration and habitat enhancement projects (Westmoreland & Oaks Bottom). PP&R is providing open space and recreation facilities to meet growth in developing neighborhoods (River District, North Portland, Lents, South Waterfront) with the assistance of private and public partners. Financial limitations have hindered land acquisition and development of parks in existing neighborhoods that are currently park deficient.

City Comprehensive Plan

Much of the new park development in recent years has been generated through urban renewal funding. These district plans use Community and Neighborhood plans to allocate funding for park and recreation facilities. PP&R capital projects have also addressed River Renaissance and broader watershed planning efforts. Parks is not currently part of Portland's Public Facilities Plan but will be included in the next edition.

Management Direction

Parks Vision 2020 was adopted in 2002. Parks 2020 guides the bureau in meeting growth and providing adequate services for the city over the next 20 years. As a result, the bureau must balance its need to fix existing assets with its long range planning goals. It must repair Wilson Pool and purchase Washington Monroe High School as a future community center site. Balancing immediate capital needs and long range capital needs is a major undertaking with such limited financial resources. Although funding is often more readily available for new construction and expansion of the system, repair of critical service infrastructure must also be the focus of grant writing and partnership efforts.

CAPITAL PLANNING AND BUDGETING

Capital Planning Process

The major struggle for PP&R in the capital planning process has been deficiency of information management. The current asset management database is outdated. It is comprised of isolated software programs that do not link information to a central location. The lack of a good data foundation and the lack of an adequate database from which to build a long range asset program have handicapped the capital planning process.

While Parks has made an effort to keep pace with the City CIP process, the bureau is unique in its financial situation and does not have the luxury of long range capital planning with fixed revenue horizons. Also the severity of deferred maintenance makes looking ahead difficult when the bureau is so far behind.

The current CGIS database is not adequate for long range planning purposes. It only has a five-year horizon, it must balance to the Approved Budget, and it does not link to other internal databases. A new multi-purpose database system, which coordinates with the City CIP, is absolutely needed for Parks internal asset planning.

Asset Management and Replacement Plans

PP&R is in the process of revising its approach to Asset Management. The current identified funding gap for asset maintenance is a conservative \$2 million a year above and beyond average O&M costs. This number does not include larger scale capital projects like Hillside Community Center, University Park Community Center, Wilson Pool, or Pittock Mansion. And, it does not include the capital needs for the new park maintenance facilities.

CAPITAL PROGRAMS AND PROJECTS

Program Description

Acquisitions

This program results in acquiring additional land/property funded either through purchase or donations with emphasis on park deficient areas and in accordance with the Parks 2020 Plan. FY 2004-05 CIP budget is \$1.9 million. Major projects include:

- ◆ SDC-Community Parks: Acquisition of land for community parks in areas of the city experiencing population growth
- ◆ SDC-Bonds & Grants: Debt retirement for SDC line of credit

Aquatics

The purpose of this program is for large, ongoing maintenance of existing Parks pools, and for the development and construction of new pools. FY 2004-05 CIP budget is \$2.4 million. Major projects include:

- ◆ Wilson Pool renovation
- ◆ Construction of new pool at East Portland Community Center

Facilities

Parks maintains many facilities that house the various Parks services. The Facilities capital program funds large maintenance, repair, and expansion projects that exceed day-to-day operating responsibilities. The development and construction of new facilities is also included in this program. FY 2004-05 CIP budget is \$2.4 million. Major projects include:

- ◆ University Park Community Center Upgrade (Phase III)
- ◆ Community Music Center: Seismic upgrade of hose tower
- ◆ Parks Maintenance Facility: replace current facilities at East Delta Park and Mt. Tabor Yard

Golf

The Golf capital program funds maintenance, repair, and enhancement of existing Parks golf courses. FY 2004-05 CIP budget is \$0.2 million for small projects.

Natural Areas

PP&R maintains several thousand acres of areas deemed "natural areas" because they are maintained closely to their natural condition and habitat. This program funds the development and preparation of natural areas for public use, such as trail development and special studies. FY 2004-05 CIP budget is \$0.8 million. Major projects include:

- ◆ Oaks Bottom Habitat Restoration
- ◆ Springwater Corridor: Build three pedestrian and bike bridges

Parks

This program is the largest category in Parks' capital plan. It funds large projects at existing parks, as well as development of un- or under-developed parks. This program assists with large maintenance projects, such as equipment replacement, site improvements, and renovations. FY 2004-05 CIP budget is \$3.3 million. Major projects include:

- ◆ Ankeny Plaza
- ◆ Waterfront Park Central Plaza
- ◆ Park Block 5
- ◆ Walker Stadium Renovation
- ◆ O'Bryant Square: Master plan and renovation
- ◆ Mt. Tabor Open Reservoir (Phase III)
- ◆ Westmoreland Park: Crystal Springs restoration

Portland International Raceway

This program funds maintenance, repair, and enhancement of the Portland International Raceway. There is no FY 2004-05 CIP budget for this program. Major projects in out years include eastbank terracing and large-scale repaving.

Funding Sources

The primary funding sources for the Parks capital program come from the General Fund Capital Set-Aside, the Parks Levy, PDC, and tax increment financing, state and federal grants, Parks Trust Fund, system development charges, some corporate/private sponsorships, and inter-agency contracts with Metro, the Bureau of Environmental Services, and the Water Bureau. All of the bureau capital funding is project specific. The General Fund, the current Parks Levy, and the revenues in the Trust Fund provide annual funding sources.

Special one-time funding was provided for Hillside Community Center due to the fire damage and for Dog Off-Leash areas. \$3.2 million of SDC funding was used to purchase the 48-acre Lakeman Orkney natural area property in Southwest. An additional \$1 million of SDC is earmarked for purchase of the Washington Monroe High School site, but the remaining funds are still being sought and may require outside financing. At this point SDC is highly leveraged. Golf and PIR capital are financed through their own minimal enterprise funds.

Net Operating and Maintenance Costs or Savings

As the park system expands and the condition of its infrastructure ages and declines, one of the greatest challenges facing PP&R is the increasing cost of operations and maintenance. While O&M costs can be estimated at the time a project is approved, consistently the bureau absorbs more costs than it can recover. Parks relies on the General Fund as its designated O&M revenue stream, but the annual allocation has not been able to support all its major maintenance and operating costs. The Parks Levy was intended to rebalance a large cut in O&M in 2002. However, ensuing annual budget cuts and the levy compression factor have left the bureau in the same financial situation it faced with the 2002 cuts. In order to resolve this situation the bureau needs to revisit its service strategy, to dispose of assets, and address its backlog of deferred maintenance by finding additional capital money.

Capital Improvement Plan — Parks, Recreation and Culture
Bureau of Parks and Recreation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total

Acquisitions

Park Deficient Area

Area: All
Objective(s): Mandated Expansion

Project Description

Acquisition of property for parks in areas of the City identified as being park deficient.

Funding Sources

General Fund	0	0	0	100,000	100,000	100,000	100,000	400,000
Total Funding Sources	0	0	0	100,000	100,000	100,000	100,000	400,000

Project Costs

Site Acquisition	0	0	0	100,000	100,000	100,000	100,000	400,000
Total Project Costs	0	0	0	100,000	100,000	100,000	100,000	400,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

SDC-Community Parks

Area: All
Objective(s): Mandated Expansion

Project Description

Acquisition of land for community parks in areas of the City experiencing population growth.

Funding Sources

System Development Charges	0	1,015,000	400,000	0	50,000	1,500,000	1,500,000	3,450,000
Total Funding Sources	0	1,015,000	400,000	0	50,000	1,500,000	1,500,000	3,450,000

Project Costs

Site Acquisition	0	1,015,000	400,000	0	50,000	1,500,000	1,500,000	3,450,000
Total Project Costs	0	1,015,000	400,000	0	50,000	1,500,000	1,500,000	3,450,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Killingsworth Site

Area: NE
Objective(s): Expansion

Project Description

Acquisition of 25 acre property of former landfill site being remediated by DEQ. Located in the Cully Neighborhood and know as Thomas Cully Park, once DEQ has declared the property clean, it can be developed as a community park.

Funding Sources

General Fund	125,000	125,000	125,000	0	0	0	0	125,000
Total Funding Sources	125,000	125,000	125,000	0	0	0	0	125,000

Project Costs

Site Acquisition	125,000	125,000	125,000	0	0	0	0	125,000
Total Project Costs	125,000	125,000	125,000	0	0	0	0	125,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Parks, Recreation and Culture

Bureau of Parks and Recreation

PROJECT DETAIL

		Revised	Adopted	Capital Plan					
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	
SDC-Natural Areas									
							Area:	All	
							Objective(s):	Mandated Expansion	
Project Description									
Park SDC Funds are earmarked for City-wide acquisition of natural areas.									
Funding Sources									
System Development Charges	0	900,000	0	0	0	25,000	25,000	50,000	
Total Funding Sources	0	900,000	0	0	0	25,000	25,000	50,000	
Project Costs									
Site Acquisition	0	900,000	0	0	0	25,000	25,000	50,000	
Total Project Costs	0	900,000	0	0	0	25,000	25,000	50,000	
Oper & Maint Costs	0	0	0	0	0	0	0	0	
SDC-Neighborhood Parks									
							Area:	All	
							Objective(s):	Mandated Expansion	
Project Description									
Acquisition of land for neighborhood parks in areas of the City experiencing greatest population growth.									
Funding Sources									
State Grants	0	250,000	0	0	0	0	0	0	
BES Permit Fees and Charges	0	360,000	0	0	0	0	0	0	
System Development Charges	0	587,123	0	0	300,000	250,000	0	550,000	
Total Funding Sources	0	1,197,123	0	0	300,000	250,000	0	550,000	
Project Costs									
Site Acquisition	0	1,197,123	0	0	300,000	250,000	0	550,000	
Total Project Costs	0	1,197,123	0	0	300,000	250,000	0	550,000	
Oper & Maint Costs	0	0	0	0	0	0	0	0	
Park Opportunity									
							Area:	All	
							Objective(s):	Mandated Expansion	
Project Description									
This is a Common fund to enable acquisition of properties that become threatened if not purchased when opportunity arises.2000-03 SDC allocation was all put in here and not itemized out to each SDC category.2003-04 allocations were divided out more specifically in the capital budget.									
Funding Sources									
System Development Charges	3,080,469	150,000	45,203	50,000	50,000	50,000	50,000	245,203	
Total Funding Sources	3,080,469	150,000	45,203	50,000	50,000	50,000	50,000	245,203	
Project Costs									
Site Acquisition	3,080,469	150,000	45,203	50,000	50,000	50,000	50,000	245,203	
Total Project Costs	3,080,469	150,000	45,203	50,000	50,000	50,000	50,000	245,203	
Oper & Maint Costs	0	0	0	0	0	0	0	0	
SDC Bonds & Grants									
							Area:	All	
							Objective(s):	Expansion	
Project Description									
Debt retirement for SDC Line of Credit.									
Funding Sources									
System Development Charges	0	492,425	902,230	963,225	963,225	963,225	963,225	4,755,130	
Total Funding Sources	0	492,425	902,230	963,225	963,225	963,225	963,225	4,755,130	
Project Costs									
Site Acquisition	0	492,425	902,230	963,225	963,225	963,225	963,225	4,755,130	
Total Project Costs	0	492,425	902,230	963,225	963,225	963,225	963,225	4,755,130	
Oper & Maint Costs	0	0	0	0	0	0	0	0	

Capital Improvement Plan — Parks, Recreation and Culture
Bureau of Parks and Recreation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

SDC-Trails

Area: All
Objective(s): Mandated
Expansion

Project Description

City Wide acquisition expansion of trail system to increase capacity in response to growth of population.

Funding Sources

System Development Charges	0	50,000	50,000	50,000	50,000	50,000	0	200,000
Total Funding Sources	0	50,000	50,000	50,000	50,000	50,000	0	200,000

Project Costs

Site Acquisition	0	50,000	50,000	50,000	50,000	50,000	0	200,000
Total Project Costs	0	50,000	50,000	50,000	50,000	50,000	0	200,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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River District Neighborhood Park

Area: CC
Objective(s): Expansion

Project Description

Acquisition of the third parcel of land for parks in the River District which is intended to be developed in the future as a neighborhood. Previous acquisitions were for Jamison Square and North Park Square.

Funding Sources

River District TIF	0	3,000,000	341,114	0	0	0	0	341,114
Total Funding Sources	0	3,000,000	341,114	0	0	0	0	341,114

Project Costs

Site Acquisition	0	3,000,000	341,114	0	0	0	0	341,114
Total Project Costs	0	3,000,000	341,114	0	0	0	0	341,114

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Aquatics

Wilson Pool Renovation

Area: SW
Objective(s): Maintenance
Replacement
Mandated
Efficiency

Project Description

Wilson Pool is the most heavily used outdoor swimming pool in the parks system. A major renovation will be completed by the end of 2005 using 2002 Park Levy funds. Upgrades will address a failing mechanical system, shallow pool redesign, replastering, extensive water leakage and poor filtration. System repairs and/or replacement of pool piping, surge tanks, heat exchangers, pumps, filters, lights, chlorination, pool shell may be included.

Funding Sources

Parks Levy	0	300,000	2,242,609	0	0	0	0	2,242,609
Total Funding Sources	0	300,000	2,242,609	0	0	0	0	2,242,609

Project Costs

Construction/Equipment	0	0	1,811,359	0	0	0	0	1,811,359
Design/Project Mgmt	0	300,000	431,250	0	0	0	0	431,250
Total Project Costs	0	300,000	2,242,609	0	0	0	0	2,242,609

Oper & Maint Costs	0	0	2,185	2,251	2,319	2,388	0	9,143
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Capital Improvement Plan — Parks, Recreation and Culture
Bureau of Parks and Recreation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

East Portland CC Pool

Area: E

Objective(s): Expansion

Project Description

As part of the 2002 Parks Levy package a new indoor pool facility will be constructed at East Portland Community Center.

Funding Sources

Parks Levy	0	0	184,348	275,000	4,275,000	0	0	4,734,348
Total Funding Sources	0	0	184,348	275,000	4,275,000	0	0	4,734,348

Project Costs

Construction/Equipment	0	0	0	0	4,125,000	0	0	4,125,000
Design/Project Mgmt	0	0	184,348	275,000	150,000	0	0	609,348
Total Project Costs	0	0	184,348	275,000	4,275,000	0	0	4,734,348
Oper & Maint Costs	0	0	0	0	0	570,000	570,000	1,140,000

Dishman Pool Upgrade

Area: NE

Objective(s): Maintenance
Efficiency

Project Description

This popular indoor swimming facility is in need of major mechanical upgrade and the pool is due for replastering. This project will address inadequacies with the AC system and ventilation.

Funding Sources

General Fund	0	0	0	0	0	200,000	0	200,000
Total Funding Sources	0	0	0	0	0	200,000	0	200,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	30,000	0	200,000
Construction/Equipment	0	0	0	0	0	170,000	0	200,000
Total Project Costs	0	0	0	0	0	200,000	0	200,000
Oper & Maint Costs	0	0	0	0	0	3,750	3,750	7,500

Facilities

University Park CC Phase III

Area: N

Objective(s): Expansion

Project Description

The upgrading of University Park Community Center will be accomplished over the course of three primary phases. Phase 3 will add about 20,000 square feet of new building behind the existing community center and renovate about 2,000 square feet of existing lobby space. It will achieve: new gymnasium and locker rooms; new fitness and dance room; new teen lounge/game room; new lobby expansion to use for a "community living room" and "trading post"; new main entry; and expansion of the existing computer classrooms.

Funding Sources

Parks Levy	0	0	0	3,450,000	0	0	0	3,450,000
Federal Grants	0	0	92,174	0	0	0	0	92,174
Total Funding Sources	0	0	92,174	3,450,000	0	3,750	3,750	3,542,174

Project Costs

Construction/Equipment	0	0	0	3,350,000	0	0	0	3,350,000
Design/Project Mgmt	0	0	92,174	100,000	0	0	0	192,174
Total Project Costs	0	0	92,174	3,450,000	0	0	0	3,542,174
Oper & Maint Costs	0	0	0	127,308	131,127	135,061	135,061	528,557

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total

Pittock Mansion Road and Culvert Repair

Area: NW

Objective(s): Maintenance
Replacement

Project Description

The main entry road to Pittock Mansion is developing sections of sunken grade. Timely repairs to stabilize the road base and underlying materials will reduce erosion and minimize cost. Parks needs to remove the existing road surface, excavate to stable substrate, add engineered fill, and repave as necessary.

Funding Sources

General Fund Discretionary - Add	0	0	0	200,000	250,000	0	0	450,000
Total Funding Sources	0	0	0	200,000	250,000	0	0	450,000

Project Costs

Design/Project Mgmt	0	0	0	20,000	25,000	0	0	45,000
Construction/Equipment	0	0	0	180,000	225,000	0	0	405,000
Total Project Costs	0	0	0	200,000	250,000	0	0	450,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Community Music Center Hose Tower Seismic Upgrade

Area: SE

Objective(s): Maintenance
Mandated

Project Description

The "Hose Tower", at the Community Music Center (an old firehouse), is constructed of unreinforced brick that does not meet seismic codes. The Building Bureau allowed occupancy of the building with the condition that seismic improvements to the tower be completed. That is the intent of this project but it has been delayed by lack of funding.

Funding Sources

General Fund Discretionary - Add	0	0	0	0	0	0	1,100,000	1,100,000
Total Funding Sources	0	0	0	0	0	0	1,100,000	1,100,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	0	100,000	1,100,000
Construction/Equipment	0	0	0	0	0	0	1,000,000	1,000,000
Total Project Costs	0	0	0	0	0	0	1,100,000	1,100,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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University Park CC Phase II

Area: N

Objective(s): Maintenance
Replacement
Expansion

Project Description

The upgrading of University Park Community Center will be accomplished over the course of three primary phases. Phase 1 has renovated the north wing of the existing community center primarily with CIP funds. Phase 2 will renovate the south wing of the existing community center primarily with funds from a federal grant (UPARR). Phase 3 will construct new recreational facilities behind the existing community center with funds derived from a bond measure or levy. These three phases follow a facility master plan completed during 1998. This project is Phase II.

Funding Sources

General Fund	0	500,000	250,000	0	0	0	0	250,000
Federal Grants	1,200,000	545,715	100,000	0	0	0	0	100,000
Total Funding Sources	1,200,000	1,045,715	350,000	0	0	0	0	350,000

Project Costs

Construction/Equipment	1,200,000	1,045,715	350,000	0	0	0	0	350,000
Total Project Costs	1,200,000	1,045,715	350,000	0	0	0	0	350,000

Oper & Maint Costs	0	0	0	51,800	51,800	51,800	0	155,400
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Capital Improvement Plan — Parks, Recreation and Culture

Bureau of Parks and Recreation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

Pittock Mansion Masonry Repair

Area: NW

Objective(s): Maintenance

Project Description

Pittock Mansion is a valuable historic property in immediate need of some major maintenance to avoid further exterior deterioration from water damage. Repairs to this facility are a top bureau priority. Leaks from the east side terrace into the basement area need repair. The stone facing of the Mansion needs to be cleaned and repaired, including tuckpointing and sealing of the sandstone. Some of the sandstone has badly deteriorated and may need replacement. A preliminary estimate of repair costs will be prepared this year. Money may be borrowed from internal sources and paid back later to facilitate the repairs.

Funding Sources

General Fund Discretionary - Add	0	0	0	200,000	100,000	100,000	100,000	500,000
Other Financing (Internal)	0	25,000	0	0	0	0	0	0
Total Funding Sources	0	25,000	0	200,000	100,000	100,000	100,000	500,000

Project Costs

Construction/Equipment	0	0	0	150,000	90,000	100,000	100,000	440,000
Design/Project Mgmt	0	25,000	0	50,000	10,000	0	0	60,000
Total Project Costs	0	25,000	0	200,000	100,000	100,000	100,000	500,000
Oper & Maint Costs	0	0	0	9,100	9,100	9,100	9,100	36,400

Hillside CC Major Maintenance

Area: NW

Objective(s): Maintenance

Project Description

A fire at the community center in October 2003 will close the building for three months for repair. Parks would like to take advantage of this closure and move forward with some delayed maintenance to the building. The center needs a new roof, exterior siding, waterproofing and window replacement to repair and prevent further water damage. This project is high priority major maintenance repair. Parks would borrow from internal funding sources and pay back the loan for the construction over 4 years.

Funding Sources

Private Grants and Donations	0	145,000	0	0	0	0	0	0
General Fund Discretionary - Add	0	0	0	200,000	100,000	200,000	100,000	600,000
Total Funding Sources	0	145,000	0	200,000	100,000	200,000	100,000	600,000

Project Costs

Design/Project Mgmt	0	20,000	0	50,000	25,000	25,000	25,000	125,000
Construction/Equipment	0	125,000	0	150,000	75,000	175,000	75,000	475,000
Total Project Costs	0	145,000	0	200,000	100,000	200,000	100,000	600,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Parks Maintenance Facility

Area: SE

Objective(s): Replacement
Expansion
Efficiency

Project Description

This project will replace the current Parks maintenance facilities at East Delta Park (Forestry) and Mt. Tabor Yard (Operations staff). They may be combined into one location or possibly reconstructed. The bureau is weighing options and costs of these alternatives.

Funding Sources

General Fund	0	0	236,117	600,000	650,000	800,000	700,000	2,986,117
System Development Charges	0	0	0	1,000,000	0	0	0	1,000,000
Total Funding Sources	0	0	236,117	1,600,000	650,000	800,000	700,000	3,986,117

Project Costs

Design/Project Mgmt	0	0	236,117	100,000	0	0	0	336,117
Construction/Equipment	0	0	0	900,000	50,000	200,000	100,000	1,250,000
Site Acquisition	0	0	0	600,000	600,000	600,000	600,000	2,400,000
Total Project Costs	0	0	236,117	1,600,000	650,000	800,000	700,000	3,986,117
Oper & Maint Costs	0	0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

Rose Garden Store Expansion

Area: NW
Objective(s): Expansion

Project Description

The Rose Garden Store, which has proven very successful, will be expanded to provide more retail space.

Funding Sources

Other Financing (Internal)	0	100,000	5,874	0	0	0	0	5,874
Total Funding Sources	0	100,000	5,874	0	0	0	0	5,874

Project Costs

Design/Project Mgmt	0	15,000	0	0	0	0	0	0
Construction/Equipment	0	85,000	5,874	0	0	0	0	5,874
Total Project Costs	0	100,000	5,874	0	0	0	0	5,874
Oper & Maint Costs	0	0	0	0	0	0	0	0

Dishman Community Center

Area: NE
Objective(s): Maintenance
Efficiency

Project Description

The heavily used Dishman Community Center in NE Portland is overdue for major maintenance and repair. Of immediate concern is it's leaking basement. The basement water problem will be addressed first. Then a detailed scope of work will be developed to estimate the full cost of major maintenance to the building.

Funding Sources

General Fund	0	0	90,000	0	0	0	0	90,000
Total Funding Sources	0	0	90,000	0	0	0	0	90,000

Project Costs

Design/Project Mgmt	0	0	15,000	0	0	0	0	15,000
Construction/Equipment	0	0	75,000	0	0	0	0	75,000
Total Project Costs	0	0	90,000	0	0	0	0	90,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Golf

Golf Small CIP Projects

Area: All
Objective(s): Maintenance
Replacement
Efficiency

Project Description

This money is reserved for small Golf capital improvement projects - as needed throughout the golf system.

Funding Sources

Golf Fees	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Total Funding Sources	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000

Project Costs

Construction/Equipment	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Total Project Costs	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Parks, Recreation and Culture
Bureau of Parks and Recreation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

Natural Areas

Springwater Corridor - Sellwood Gap

Area: SE

Objective(s): Expansion
Efficiency

Project Description

When Three Bridges is completed the Springwater Corridor will be almost complete with the exception of a 1 mile remaining gap from the west side of SE 17th Avenue to SE Umatilla. Metro is seeking acquire the land. Estimated cost for construction is \$5 million dollars. Local match to federal grants is generally 10% of the project budget. The project listed here would cover the first half of trail design (construction drawings) and would serve as local match money.

Funding Sources

Local Matches	0	0	0	0	0	0	240,000	240,000
Total Funding Sources	0	0	0	0	0	0	240,000	240,000

Project Costs

Design/Project Mgrht	0	0	0	0	0	0	240,000	240,000
Total Project Costs	0	0	0	0	0	0	240,000	240,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Oaks Bottom Habitat Restoration

Area: SE

Objective(s): Maintenance
Replacement
Efficiency

Project Description

This is a proposed joint bureau and federal project that would require a 35% match from the City from combined bureau resources. The project would implement recommendations made in the Oaks Bottom Wildlife Refuge Coordinated Resource Management Plan and the Oaks Bottom Wildlife Refuge Habitat Assessment. Proposed projects will:

Funding Sources

Federal Grants	0	0	0	0	1,316,250	0	0	1,316,250
Local Matches	0	0	0	750,000	0	0	0	750,000
General Fund	0	29,825	0	0	0	0	0	0
Total Funding Sources	0	29,825	0	750,000	1,316,250	0	0	2,066,250

Project Costs

Construction/Equipment	0	0	0	300,000	1,200,000	0	0	1,500,000
Design/Project Mgmt	0	29,825	0	450,000	116,250	0	0	566,250
Total Project Costs	0	29,825	0	750,000	1,316,250	0	0	2,066,250
Oper & Maint Costs	0	0	0	0	0	0	0	0

Columbia South Shore Trail Improvements

Area: NE

Objective(s): Mandated
Expansion

Project Description

This project will extend the Columbia Slough trail from NE 122nd to NE 185th by filling in the existing trail gaps. The trail is a soft surface walking trail that parallels the slough. Construction will be completed in three phases.

Funding Sources

Interagencies Bureau Revenues	0	25,000	208,041	0	0	0	0	208,041
Total Funding Sources	0	25,000	208,041	0	0	0	0	208,041

Project Costs

Design/Project Mgmt	0	0	20,000	0	0	0	0	20,000
Construction/Equipment	0	0	188,041	0	0	0	0	188,041
Planning	0	25,000	0	0	0	0	0	0
Total Project Costs	0	25,000	208,041	0	0	0	0	208,041
Oper & Maint Costs	0	0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total

Red Electric Feasibility Study

Area: SW

Objective(s): Expansion
Efficiency

Project Description

This study will evaluate the Red Electric Line in southwest Portland. It will determine whether a multi-use trail could be constructed along this long abandoned rail alignment. The study will investigate topography, vegetation, development, land use/zoning and property ownership conditions and will propose conceptual design solutions to any constraints revealed in site investigation.

Funding Sources

Other Financing (Internal)	0	23,633	0	0	0	0	0	0
TEA-21	0	30,000	33,000	0	0	0	0	33,000
Total Funding Sources	0	53,633	33,000	0	0	0	0	33,000

Project Costs

Planning	0	53,633	33,000	0	0	0	0	33,000
Total Project Costs	0	53,633	33,000	0	0	0	0	33,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Springwater Corridor - Three Bridges

Area: SE

Objective(s): Expansion

Project Description

MTIP grant funding has been secured to close a portion of the 1.2-mile gap in Springwater Corridor from SE McLoughlin to the Sellwood Bridge. This requires building 3 pedestrian and bike bridges 1) to cross McLoughlin Blvd, 2) to cross Union Pacific railroad and 3) to cross Johnson Creek. Project partners are Metro, ODOT and City of Milwaukie.

Funding Sources

Federal Grants	0	154,930	311,608	4,025,000	0	0	0	4,336,608
General Fund Discretionary - Add	150,000	175,000	125,000	0	0	0	0	125,000
Total Funding Sources	150,000	329,930	436,608	4,025,000	0	0	0	4,461,608

Project Costs

Construction/Equipment	0	0	36,608	3,925,000	0	0	0	3,961,608
Design/Project Mgmt	150,000	329,930	400,000	100,000	0	0	0	500,000
Total Project Costs	150,000	329,930	436,608	4,025,000	0	0	0	4,461,608
Oper & Maint Costs	0	0	0	20,000	20,000	20,000	0	60,000

Natural Resources Field Office

Area: SE

Objective(s): Maintenance
Efficiency

Project Description

Renovations and stormwater management improvements to Parks Natural Resources field office in outer-east Portland. Funded by grant source.

Funding Sources

BES Permit Fees and Charges	0	0	70,822	0	0	0	0	70,822
Total Funding Sources	0	0	70,822	0	0	0	0	70,822

Project Costs

Construction/Equipment	0	0	70,822	0	0	0	0	70,822
Total Project Costs	0	0	70,822	0	0	0	0	70,822
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Parks, Recreation and Culture

Bureau of Parks and Recreation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total

Hoyt Arboretum

Area: SW

Objective(s): Replacement

Project Description

Friends of Hoyt Arboretum plans to fundraise \$20,000 a year to improve the plant collection at the Arboretum. Funds have already been secured for improving the Redwood Collection.

Funding Sources

Private Grants and Donations	0	10,000	17,391	20,000	20,000	20,000	20,000	97,391
Total Funding Sources	0	10,000	17,391	20,000	20,000	20,000	20,000	97,391

Project Costs

Construction/Equipment	0	10,000	17,391	20,000	20,000	20,000	20,000	97,391
Total Project Costs	0	10,000	17,391	20,000	20,000	20,000	20,000	97,391

Oper & Maint Costs	0	0	0	0	0	0	0	0
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SW Trail In PPR Sites

Area: SW

Objective(s): Expansion

Project Description

This project provides funding to plan and build trail connections within parks located in SW Portland. Specifically it will fund a boardwalk in Steven's Creek, and trails in Woods Memorial and Dickenson Parks.

Funding Sources

Private Grants and Donations	0	20,000	17,391	20,000	0	0	0	37,391
Total Funding Sources	0	20,000	17,391	20,000	0	0	0	37,391

Project Costs

Construction/Equipment	0	20,000	17,391	20,000	0	0	0	37,391
Total Project Costs	0	20,000	17,391	20,000	0	0	0	37,391

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Parks

Ankeny Plaza

Area: CC

Objective(s): Maintenance
Replacement

Project Description

BES renovation of Ankeny Pump Station in Waterfront Park will result in a redesign of the park area surrounding the pump station. A variety of finding sources will be combined to fund the new plaza. Design will reflect the concept for the plaza generated by the Waterfront Park Master Plan process. Cost for the plaza could run as high as \$7 million.

Funding Sources

Partnership	0	0	0	0	1,500,000	0	0	1,500,000
Other Financing (External)	0	0	0	0	2,000,000	0	0	2,000,000
Tax Increment Financing by Urban	0	0	0	0	2,000,000	0	0	2,000,000
BES Rates	0	0	9,786	100,000	400,000	0	0	509,786
Total Funding Sources	0	0	9,786	100,000	5,900,000	0	0	6,009,786

Project Costs

Design/Project Mgmt	0	0	0	0	500,000	0	0	500,000
Construction/Equipment	0	0	0	0	5,400,000	0	0	5,400,000
Planning	0	0	9,786	100,000	0	0	0	109,786
Total Project Costs	0	0	9,786	100,000	5,900,000	0	0	6,009,786

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Parks, Recreation and Culture

Bureau of Parks and Recreation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year Total	

Waterfront Park Central Plaza

Area: CC

Objective(s): Maintenance
Replacement

Project Description

A new Waterfront Park Master Plan has been completed and it will guide future development and management decisions. Design of the Central Plaza as reflected in the Plan is priority as it will provide much more accessible event venue space. Plaza design and construction will be partnership effort with other agencies and waterfront vendors and major sponsors.

Funding Sources

Interagencies Bureau Revenues	0	0	0	0	0	500,000	0	500,000
PDC	0	0	0	0	0	1,500,000	0	1,500,000
Partnership	0	0	0	0	1,000,000	0	0	1,000,000
Other Financing (Internal)	0	0	0	0	1,000,000	0	0	1,000,000
Total Funding Sources	0	0	0	0	2,000,000	2,000,000	0	4,000,000

Project Costs

Design/Project Mgmt	0	0	0	0	400,000	200,000	0	600,000
Construction/Equipment	0	0	0	0	1,600,000	1,800,000	0	3,400,000
Total Project Costs	0	0	0	0	2,000,000	2,000,000	0	4,000,000

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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Park Block 5 / Mid-Town Blocks

Area: CC

Objective(s): Expansion

Project Description

In partnership with PDC and private donations, this project will redevelop Park Block 5. It is one of the "missing park blocks". These missing blocks, between the North and South Park blocks, were initially planned as parks but were developed commercially. The land is currently being transferred to the City. Construction is planned to begin in February 2006.

Funding Sources

Private Grants and Donations	0	0	0	1,000,000	0	0	0	1,000,000
Tax Increment Financing by Urban	0	120,000	48,692	1,000,000	0	0	0	1,048,692
Total Funding Sources	0	120,000	48,692	2,000,000	0	0	0	2,048,692

Project Costs

Construction/Equipment	0	0	0	1,600,000	0	0	0	1,600,000
Design/Project Mgmt	0	120,000	48,692	400,000	0	0	0	448,692
Total Project Costs	0	120,000	48,692	2,000,000	0	0	0	2,048,692

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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Parks Play Structures and Playground Renovation

Area: All

Objective(s): Maintenance
Replacement
Efficiency

Project Description

There are more than 100 play structures in the PP&R park system. This project will assess the safety level and structural condition of current play equipment in the parks and many public schools. Projects to be funded will be selected based on greatest need and concern for safety. Funding will come from the Parks Operational Levy. Not all the problems can be addressed with these funds. It's estimated that the need may be three times the amount of funding currently available.

Funding Sources

Parks Levy	0	50,000	138,884	190,000	190,000	95,000	0	613,884
Total Funding Sources	0	50,000	138,884	190,000	190,000	95,000	0	613,884

Project Costs

Design/Project Mgmt	0	8,000	12,500	14,000	14,000	10,000	0	50,500
Construction/Equipment	0	42,000	126,384	176,000	176,000	85,000	0	563,384
Total Project Costs	0	50,000	138,884	190,000	190,000	95,000	0	613,884

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Parks, Recreation and Culture
Bureau of Parks and Recreation

PROJECT DETAIL

		Revised	Adopted	Capital Plan					
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	
Patton Square Master Plan									
									Area: N
									Objective(s): Maintenance Replacement
Project Description									
A master plan will be completed for Patton Square in North Portland. The work will be funded by Interstate Urban Renewal funds.									
Funding Sources									
Interstate TIF		0	0	0	40,000	0	0	0	40,000
Total Funding Sources		0	0	0	40,000	0	0	0	40,000
Project Costs									
Design/Project Mgmt		0	0	0	40,000	0	0	0	40,000
Total Project Costs		0	0	0	40,000	0	0	0	40,000
Oper & Maint Costs		0	0	0	0	0	0	0	0
Dawson Park Lighting									
									Area: N
									Objective(s): Maintenance
Project Description									
This project will improve lighting at Dawson Park.									
Funding Sources									
Other Financing (Internal)		0	0	0	52,000	0	0	0	52,000
Total Funding Sources		0	0	0	52,000	0	0	0	52,000
Project Costs									
Construction/Equipment		0	0	0	52,000	0	0	0	52,000
Total Project Costs		0	0	0	52,000	0	0	0	52,000
Oper & Maint Costs		0	0	0	0	0	0	0	0
Small Capital Projects									
									Area: All
									Objective(s): Maintenance
Project Description									
This project will fund various small capital projects.									
Funding Sources									
Other Financing (Internal)		0	0	21,243	0	0	0	0	21,243
Total Funding Sources		0	0	21,243	0	0	0	0	21,243
Project Costs									
Construction/Equipment		0	0	21,243	0	0	0	0	21,243
Total Project Costs		0	0	21,243	0	0	0	0	21,243
Oper & Maint Costs		0	0	0	0	0	0	0	0
Walker Stadium Renovation									
									Area: E
									Objective(s): Maintenance Replacement Expansion Efficiency
Project Description									
Walker Stadium in Lents Park needs major renovation to allow, in part, for Lents Little League to use the stadium. Funding is available from Lents Urban Renewal District.									
Funding Sources									
Lents Town Center TIF		0	0	0	1,100,000	0	0	0	1,100,000
Total Funding Sources		0	0	0	1,100,000	0	0	0	1,100,000
Project Costs									
Design/Project Mgmt		0	0	0	200,000	0	0	0	200,000
Construction/Equipment		0	0	0	900,000	0	0	0	900,000
Total Project Costs		0	0	0	1,100,000	0	0	0	1,100,000
Oper & Maint Costs		0	0	0	0	0	0	0	0

Capital Improvement Plan — Parks, Recreation and Culture
Bureau of Parks and Recreation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

O'Bryant Square Master Plan and Renovation

Area: CC

Objective(s): Maintenance
Replacement

Project Description

Planning and design for the renovation of O' Bryant Square will be completed as part of the South Park Block 5 design process. The future development scenario of the square and the surrounding blocks is still being determined. O'Bryant Square suffers from vandalism and dated design. Major public safety challenges are to address lighting, wall, vegetation, infrastructure and irrigation. Also, programming for improved safety.

Funding Sources

Parks Levy	0	0	0	0	0	950,000	0	950,000
Partnership	0	0	0	0	0	2,000,000	0	2,000,000
Total Funding Sources	0	0	0	0	0	2,950,000	0	2,950,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	350,000	0	350,000
Construction/Equipment	0	0	0	0	0	2,600,000	0	2,600,000
Total Project Costs	0	0	0	0	0	2,950,000	0	2,950,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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South Waterfront Greenway

Area: SW

Objective(s): Expansion

Project Description

Southwaterfront Greenway Design is underway and design will be completed by summer 2004. Construction will be completed in phases as funding allows.

Funding Sources

BES Rates	0	25,000	0	0	0	0	0	0
Other Financing (Internal)	0	50,000	15,528	15,528	0	0	0	31,056
PDC	0	50,000	0	0	0	0	0	0
Local Cost Sharing	0	140,000	0	0	0	0	0	0
Partnership	25,000	50,000	0	0	300,000	0	0	300,000
Total Funding Sources	25,000	315,000	15,528	15,528	300,000	0	0	331,056

Project Costs

Construction/Equipment	0	0	0	0	300,000	0	0	300,000
Design/Project Mgmt	25,000	315,000	15,528	15,528	0	0	0	31,056
Total Project Costs	25,000	315,000	15,528	15,528	300,000	0	0	331,056

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Mt Tabor Open Reservoir Phase II

Area: SE

Objective(s): Replacement
Mandated
Expansion

Project Description

Water Bureau's Mt. Tabor Open Reservoir Project will cap the existing open water reservoirs in the park. A national design competition recently selected a Seattle based firm to complete a design for the public use and recreational component of the reservoir project. Construction of the park element will not take place until the reservoirs are capped. Estimated cost of the new park features is \$12,000,000.

Funding Sources

Water Capital Fund	47,000	108,000	729,407	1,069,000	0	0	0	1,798,407
Total Funding Sources	47,000	108,000	729,407	1,069,000	0	0	0	1,798,407

Project Costs

Construction/Equipment	0	0	0	900,000	0	0	0	900,000
Design/Project Mgmt	0	0	729,407	169,000	0	0	0	898,407
Planning	47,000	108,000	0	0	0	0	0	0
Total Project Costs	47,000	108,000	729,407	1,069,000	0	0	0	1,798,407

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Parks, Recreation and Culture

Bureau of Parks and Recreation

PROJECT DETAIL

		Revised	Adopted	Capital Plan				
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total
Westmoreland Park - Crystal Springs Restoration								
	Area:	SE						
	Objective(s):	Maintenance Replacement						
Project Description								
A restoration and improvement plan, primarily focused on Crystal Springs Creek, is currently funded and underway. This project will include improvements to the park as designated by the Master Plan completed last year.								
Funding Sources								
BES Rates	0	0	100,000	0	0	0	0	100,000
Local Cost Sharing	0	0	37,000	0	0	0	0	37,000
General Fund	0	0	200,000	0	0	0	0	200,000
Federal Grants	140,000	234,000	0	1,095,250	0	0	0	1,095,250
Total Funding Sources	140,000	234,000	337,000	1,095,250	0	0	0	1,432,250
Project Costs								
Construction/Equipment	0	0	0	900,000	0	0	0	900,000
Design/Project Mgmt	140,000	234,000	337,000	195,250	0	0	0	532,250
Total Project Costs	140,000	234,000	337,000	1,095,250	0	0	0	1,432,250
Oper & Maint Costs	0	0	0	85,000	35,000	35,000	35,000	190,000
North Park Square								
	Area:	NW						
	Objective(s):	Expansion						
Project Description								
North Park Square is the second River District park to be designed and constructed. It follows on the heels of Jamison Square. The design of North Park Square is dramatic and unique as it uses water as a dominant contemplative feature. For full details contact the project web site. Completion is scheduled for 2004.								
Funding Sources								
Tax Increment Financing by Urban	0	165,000	324,523	0	0	0	0	324,523
Total Funding Sources	0	165,000	324,523	0	0	0	0	324,523
Project Costs								
Construction/Equipment	0	0	14,523	0	0	0	0	14,523
Design/Project Mgmt	0	165,000	310,000	0	0	0	0	310,000
Total Project Costs	0	165,000	324,523	0	0	0	0	324,523
Oper & Maint Costs	0	0	45,000	45,000	45,000	45,000	45,000	225,000
Skateboard Parks								
	Area:	All						
	Objective(s):	Expansion						
Project Description								
As part of the 2002 Parks Levy, two new skateboard parks will be built within the Parks system. Site selection will begin in 2004, followed by preliminary design. The new parks are not scheduled for construction until 2006.								
Funding Sources								
Parks Levy	0	50,000	173,044	237,500	0	0	0	410,544
Total Funding Sources	0	50,000	173,044	237,500	0	0	0	410,544
Project Costs								
Design/Project Mgmt	0	0	87,000	37,500	0	0	0	124,500
Construction/Equipment	0	0	86,044	200,000	0	0	0	286,044
Planning	0	50,000	0	0	0	0	0	0
Total Project Costs	0	50,000	173,044	237,500	0	0	0	410,544
Oper & Maint Costs	0	0	0	45,348	93,417	96,220	96,220	331,205

Capital Improvement Plan — Parks, Recreation and Culture
Bureau of Parks and Recreation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

Irrigation Wells Installation

Area: All

Objective(s): Replacement
Efficiency

Project Description

Install irrigation wells in parks that are large and expensive to irrigate. Costs cover drilling, pumps, controls and connection to irrigation system. Cost schedule includes 2 wells per year.

Funding Sources

General Fund	0	125,000	125,000	0	0	0	100,000	225,000
Total Funding Sources	0	125,000	125,000	0	0	0	100,000	225,000

Project Costs

Design/Project Mgmt	0	25,000	25,000	0	0	0	10,000	35,000
Construction/Equipment	0	100,000	100,000	0	0	0	90,000	190,000
Total Project Costs	0	125,000	125,000	0	0	0	100,000	225,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Eastmoreland Garden

Area: SE

Objective(s): Replacement
Expansion

Project Description

The Eastmoreland neighborhood is planning to build a garden in place of a gravel parking lot across from Eastmoreland Golf Course. They are currently fundraising for the garden which is estimated to cost \$100,000.

Funding Sources

Private Grants and Donations	0	0	86,956	0	0	0	0	86,956
Total Funding Sources	0	0	86,956	0	0	0	0	86,956

Project Costs

Design/Project Mgmt	0	0	15,000	0	0	0	0	15,000
Construction/Equipment	0	0	71,956	0	0	0	0	71,956
Total Project Costs	0	0	86,956	0	0	0	0	86,956

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Tennis Courts Renovation

Area: All

Objective(s): Maintenance/
Replacement

Project Description

This project will begin a phased effort to provide annual funding for a system wide renovation of tennis courts. Priority will be given to amount of use and the amount of deterioration. First year will be focused on a complete conditions assessment of all the courts.

Funding Sources

General Fund	0	0	0	0	0	0	50,000	50,000
Total Funding Sources	0	0	0	0	0	0	50,000	50,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	0	50,000	50,000
Total Project Costs	0	0	0	0	0	0	50,000	50,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Parks, Recreation and Culture
Bureau of Parks and Recreation

PROJECT DETAIL

		Revised	Adopted	Capital Plan					
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	
North Interstate Urban Renewal									
	Area:	N							
	Objective(s):	Maintenance Replacement Expansion Efficiency							
Project Description									
Parks Bureau, PDC and a Parks Citizens Advisory Committee are working on an improvement plan for Unthank Park, on building a new playground at Trenton Park and evaluating the feasibility of a paved trail along the dike in Bridgeton.									
Funding Sources									
Parks Levy		0	0	30,000	0	0	0	0	30,000
Tax Increment Financing by Urban		0	51,863	59,246	0	0	0	0	59,246
Total Funding Sources		0	51,863	89,246	0	0	0	0	89,246
Project Costs									
Construction/Equipment		0	0	69,246	0	0	0	0	69,246
Planning		0	5,000	0	0	0	0	0	0
Design/Project Mgmt		0	46,863	20,000	0	0	0	0	20,000
Total Project Costs		0	51,863	89,246	0	0	0	0	89,246
Oper & Maint Costs		0	0	0	0	0	0	0	0
Lents Urban Renewal Planning & Design									
	Area:	E							
	Objective(s):	Maintenance Replacement Expansion							
Project Description									
PDC has contracted with Parks to assist with the planning and design for park and trail improvements within the Lents Town Center urban renewal district.									
Funding Sources									
Tax Increment Financing by Urban		0	30,746	76,662	0	0	0	0	76,662
Total Funding Sources		0	30,746	76,662	0	0	0	0	76,662
Project Costs									
Planning		0	30,746	76,662	0	0	0	0	76,662
Total Project Costs		0	30,746	76,662	0	0	0	0	76,662
Oper & Maint Costs		0	0	0	0	0	0	0	0
Raymond Park									
	Area:	E							
	Objective(s):	Expansion							
Project Description									
A master plan for Raymond Park is complete. This new park in Lents Urban Renewal District is funded by Lents TIF. Construction and bid drawings are completed. This project will build out the master plan, although it may have to occur in two phases if all funding is not available. Construction will take place in 2004.									
Funding Sources									
Tax Increment Financing by Urban		0	500,000	150,000	0	0	0	0	150,000
Total Funding Sources		0	500,000	150,000	0	0	0	0	150,000
Project Costs									
Design/Project Mgmt		0	50,000	0	0	0	0	0	0
Construction/Equipment		0	450,000	150,000	0	0	0	0	150,000
Total Project Costs		0	500,000	150,000	0	0	0	0	150,000
Oper & Maint Costs		0	0	39,400	39,400	39,400	39,400	39,400	197,000

Capital Improvement Plan — Parks, Recreation and Culture
Bureau of Parks and Recreation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total

Roads, Paths & Parking Lot Study

Area: All

Objective(s): Maintenance
Efficiency

Project Description

Conduct inventory and assessment of the general condition of Parks roads, paths and parking lots in one year. Develop a regular maintenance schedule for improvements.

Funding Sources

General Fund	0	0	0	0	0	0	100,000	100,000
Total Funding Sources	0	0	0	0	0	0	100,000	100,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	0	100,000	100,000
Total Project Costs	0	0	0	0	0	0	100,000	100,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Irving Park Water Feature

Area: NE

Objective(s): Replacement

Project Description

The Irving Neighborhood Association has raised funds to convert the existing wading pool into an interactive water feature.

Funding Sources

Private Grants and Donations	0	4,733	35,000	0	0	0	0	35,000
Total Funding Sources	0	4,733	35,000	0	0	0	0	35,000

Project Costs

Construction/Equipment	0	0	30,000	0	0	0	0	35,000
Design/Project Mgmt	0	4,733	5,000	0	0	0	0	5,000
Total Project Costs	0	4,733	35,000	0	0	0	0	35,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Kelley Point Park Canoe Launch

Area: N

Objective(s): Expansion

Project Description

Parks Bureau received a Port of Portland grant to build a canoe/non-motorized boat launch and small parking area near the entrance to the park.

Funding Sources

Federal Grant	0	0	222,353	0	0	0	0	222,353
Total Funding Sources	0	0	222,353	0	0	0	0	222,353

Project Costs

Construction/Equipment	0	0	200,000	0	0	0	0	200,000
Planning	0	0	22,353	0	0	0	0	22,353
Total Project Costs	0	0	222,353	0	0	0	0	222,353
Oper & Maint Costs	0	0	0	0	0	0	0	0

Common Cost Pool

Area: All

Objective(s): Efficiency

Project Description

Common Cost Pool refers to general overhead totaled and attached to all park and facility capital projects.

Funding Sources

Fund Balance (Internal)	0	75,670	539,289	0	0	0	0	539,289
Total Funding Sources	0	75,670	539,289	0	0	0	0	539,289

Project Costs

Fund Level Costs	0	75,670	539,289	0	0	0	0	539,289
Total Project Costs	0	75,670	539,289	0	0	0	0	539,289
Oper & Maint Costs	0	0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

Irving Park Sports Field Renovation

Area: NE

Objective(s): Maintenance
Efficiency

Project Description

Parks received a grant for \$72,500 from Oregon State Parks which it matched with Levy funds. The combined funding will completely renovate the highly used sports fields at Irving Park.

Funding Sources

Parks Levy	0	72,500	7,068	0	0	0	0	7,068
State Grants	0	72,500	0	0	0	0	0	0
Total Funding Sources	0	145,000	7,068	0	0	0	0	7,068

Project Costs

Design/Project Mgmt	0	7,500	7,068	0	0	0	0	7,068
Construction/Equipment	0	137,500	0	0	0	0	0	0
Total Project Costs	0	145,000	7,068	0	0	0	0	7,068

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Restroom Renovations

Area: All

Objective(s): Maintenance

Project Description

The Parks system has 110 restrooms. Only 40 were renovated under the last General Obligation bond. In its first year, this money will be used to create a systematic plan for annual restroom renovations. However, the most highly used restrooms in the worst condition will be addressed first. The top 6 candidates are: Washington Park - North, Rose Garden,

Funding Sources

General Fund	0	0	0	0	0	0	60,000	60,000
Total Funding Sources	0	0	0	0	0	0	60,000	60,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	0	60,000	60,000
Total Project Costs	0	0	0	0	0	0	60,000	60,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Duniway Track Renovation

Area: SW

Objective(s): Maintenance
Replacement
Efficiency

Project Description

The heavily used track in Duniway Park has deteriorated to a point of being a maintenance liability. To insure that it does not become a safety risk to the public the track has been listed as a high priority for repair.

Funding Sources

General Fund	0	0	0	50,000	0	0	0	50,000
Private Grants and Donations	0	0	0	50,000	0	0	0	50,000
Total Funding Sources	0	0	0	100,000	0	0	0	100,000

Project Costs

Design/Project Mgmt	0	0	0	8,000	0	0	0	8,000
Construction/Equipment	0	0	0	92,000	0	0	0	92,000
Total Project Costs	0	0	0	100,000	0	0	0	100,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					
Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year Total	

Strasser Field - East Delta Park

Area: N

Objective(s): Maintenance
Replacement
Efficiency

Project Description

Stausser Field, the artificial turf soccer field at East Delta Park has reached its life expectancy and needs to be replaced. This field is used year round and offers three times the use

Funding Sources

General Fund	0	0	0	0	0	0	200,000	200,000
Private Grants and Donations	0	0	0	0	0	0	250,000	250,000
Total Funding Sources	0	0	0	0	0	0	450,000	450,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	0	25,000	25,000
Construction/Equipment	0	0	0	0	0	0	425,000	425,000
Total Project Costs	0	0	0	0	0	0	450,000	450,000

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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Pedestrian Access System Repair

Area: All

Objective(s): Maintenance

Project Description

Phase one of this holistic examination of the pedestrian access to and around park facilities is to conduct an inventory of existing conditions. Work will then follow on to systematically repair the worst conditions. Top repair candidates include: Washington, Mt. Tabor, Grant, Kelley Point and Gabriel Parks.

Funding Sources

General Fund	0	0	0	0	0	0	50,000	50,000
Total Funding Sources	0	0	0	0	0	0	50,000	50,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	0	50,000	50,000
Total Project Costs	0	0	0	0	0	0	50,000	50,000

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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Peninsula Rose Garden Masonry Tuck Work

Area: NE

Objective(s): Maintenance

Project Description

The historic Rose Garden in Peninsula Park needs masonry tuck work completed before the deterioration becomes more severe. The garden is heavily visited and cherished in the community. A combination of revenue sources will be used to complete the repairs.

Funding Sources

General Fund	0	0	0	0	0	0	25,000	25,000
Private Grants and Donations	0	0	0	0	0	0	25,000	25,000
Interstate TIF	0	0	0	0	0	0	50,000	50,000
Total Funding Sources	0	0	0	0	0	0	100,000	100,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	0	10,000	10,000
Construction/Equipment	0	0	0	0	0	0	90,000	90,000
Total Project Costs	0	0	0	0	0	0	100,000	100,000

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Parks, Recreation and Culture
Bureau of Parks and Recreation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

Asset Management Software

Area: All

Objective(s): Replacement
Expansion
Efficiency

Project Description

Parks needs to replace it's current asset inventory software (CAMP)with a system that integrates all functions of a fully functioning asset management program. Research is being completed on software models being used by PDOT and other parks systems like San Francisco. The software package will integrate the Parks system asset management information into an integrated computer program.

Funding Sources

General Fund	0	0	0	50,000	100,000	0	0	150,000
Total Funding Sources	0	0	0	50,000	100,000	0	0	150,000

Project Costs

Design/Project Mgmt	0	0	0	10,000	0	0	0	10,000
Construction/Equipment	0	0	0	40,000	100,000	0	0	140,000
Total Project Costs	0	0	0	50,000	100,000	0	0	150,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Gateway Urban Renewal District

Area: SE

Objective(s): Expansion

Project Description

A new park is planned for the Gateway Urban Renewal District. In an effort to clarify park needs for the district a small planning project is being completed to assemble and evaluate all work to date. This effort will direct future district park planning and contribute to the design development of the new park being purchased at the old Bingo Parlor site.

Funding Sources

Gateway TIF	0	15,000	206,142	0	0	0	0	206,142
Total Funding Sources	0	15,000	206,142	0	0	0	0	206,142

Project Costs

Fund Level Costs	0	15,000	206,142	0	0	0	0	206,142
Total Project Costs	0	15,000	206,142	0	0	0	0	206,142
Oper & Maint Costs	0	0	0	0	0	0	0	0

Portland International Raceway

PIR Eastbank Terracing

Area: N

Objective(s): Maintenance
Efficiency

Project Description

Terrace the grass slope on the east side of the raceway to provide for organized seating for events. In addition the sidewalk along Denver Ave. will need to be rebuilt.

Funding Sources

License/Permits	0	0	0	0	0	0	650,000	650,000
Total Funding Sources	0	0	0	0	0	0	650,000	650,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	0	150,000	150,000
Construction/Equipment	0	0	0	0	0	0	500,000	500,000
Total Project Costs	0	0	0	0	0	0	650,000	650,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Parks, Recreation and Culture
Bureau of Parks and Recreation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

PIR Irrigation

Area: N

Objective(s): Maintenance
Replacement
Efficiency

Project Description

Install a new irrigation well to serve as irrigation water for the racetrack landscape. Install new irrigation system in the Chalet area, west and east of the track. This is a multi year project.

Funding Sources

License/Permits	0	0	0	50,000	50,000	50,000	50,000	200,000
Total Funding Sources	0	0	0	50,000	50,000	50,000	50,000	200,000

Project Costs

Construction/Equipment	0	0	0	50,000	50,000	50,000	50,000	200,000
Total Project Costs	0	0	0	50,000	50,000	50,000	50,000	200,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

PIR Paving

Area: N

Objective(s): Maintenance
Replacement
Efficiency

Project Description

This will be a large scale repaving project in the race car paddock and on the raceway itself to improve pavement consistency and increase safety during races.

Funding Sources

License/Permits	0	0	0	0	0	800,000	0	800,000
Total Funding Sources	0	0	0	0	0	800,000	0	800,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	80,000	0	80,000
Construction/Equipment	0	0	0	0	0	720,000	0	720,000
Total Project Costs	0	0	0	0	0	800,000	0	800,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

PIR Safety Improvements

Area: N

Objective(s): Maintenance
Efficiency

Project Description

Project will construct needed safety improvements at the racetrack. These have been identified in the master plan and will be funded by Enterprise Funds.Improvements consist of replacing the track guardrail and reconfiguring thefestival turn.

Funding Sources

License/Permits	0	0	0	200,000	0	0	0	200,000
Total Funding Sources	0	0	0	200,000	0	0	0	200,000

Project Costs

Construction/Equipment	0	0	0	35,000	0	0	0	35,000
Design/Project Mgmt	0	0	0	165,000	0	0	0	165,000
Total Project Costs	0	0	0	200,000	0	0	0	200,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Parks, Recreation and Culture
Bureau of Parks and Recreation

PROJECT DETAIL

	Revised		Adopted		Capital Plan			
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total
PIR Water Quality Swales/Filters								
							Area:	N
							Objective(s):	Maintenance Efficiency
Project Description								
PIR will continue to address environmental and stormwater issues by building water quality swales and filters to manage runoff.								
Funding Sources								
License/Permits		0	0	0	0	0	200,000	0 200,000
Total Funding Sources		0	0	0	0	0	200,000	0 200,000
Project Costs								
Design/Project Mgmt		0	0	0	0	0	30,000	0 30,000
Construction/Equipment		0	0	0	0	0	170,000	0 170,000
Total Project Costs		0	0	0	0	0	200,000	0 200,000
Oper & Maint Costs		0	0	0	0	0	0	0 0

Office of Management and Finance: Parks, Recreation, and Culture

CAPITAL OVERVIEW

The Office of Management and Finance (OMF) administers the Spectator Facilities Operating Fund within the Parks, Recreation, and Culture service area.

Bureau Mission

Leadership, Management, Stewardship

Supporting the administrative and operational needs of the City to enhance quality service delivery to the public.

CIP Highlights

The Spectator Facilities Operating Fund is an enterprise fund within OMF's Bureau of General Services. It was established to budget, monitor, and account for resources and requirements for the Oregon Arena Project and PGE Park.

The fund is composed of four major program categories:

1. Arena Parking Operations
2. Memorial Coliseum
3. Other Arena project activities
4. PGE Park Operations

Major program activities include operations and maintenance, capital improvements, financial planning, contract administration, and special projects.

The fund has two projects in its capital plan: Memorial Coliseum and PGE Park. The Memorial Coliseum is an approximately 10,000 seat spectator facility owned by the City of Portland and operated by Oregon Arena Corporation (OAC). While OAC covers the operating losses on the building, the City is still responsible for any capital expenditures. Any non-essential capital improvements at Memorial Coliseum were put on hold when the City Council committed up to \$200,000 on a matching basis with the private sector to study the feasibility of converting the building into a giant recreation center. The Spectator Facilities Fund still will maintain a budget for capital expenditures at the Memorial Coliseum in case any immediate capital needs arise to keep the building functional.

The City also owns PGE Park (formerly Civic Stadium), a 19,000 fixed seating, outdoor sports facility located at SW 18th Avenue and SW Morrison Street. Since the stadium was recently renovated, major capital expenditures are not expected in the near future.

Capital Improvement Plan — Parks, Recreation and Culture Management and Finance

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	

Spectator Facilities

Memorial Coliseum

Area: All

Objective(s): Maintenance
Replacement

Project Description

This project is for ongoing capital improvements at the Memorial Coliseum.

Funding Sources

Rents	0	750,000	400,000	400,000	400,000	400,000	400,000	2,000,000
Total Funding Sources	0	750,000	400,000	400,000	400,000	400,000	400,000	2,000,000

Project Costs

Construction/Equipment	0	750,000	400,000	400,000	400,000	400,000	400,000	2,000,000
Total Project Costs	0	750,000	400,000	400,000	400,000	400,000	400,000	2,000,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

PGE Park

Area: All

Objective(s): Maintenance
Replacement

Project Description

This project is for ongoing capital improvements at PGE Park

Funding Sources

Rents	0	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Total Funding Sources	0	100,000	100,000	100,000	100,000	100,000	100,000	500,000

Project Costs

Construction/Equipment	0	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Total Project Costs	0	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Oper & Maint Costs	0	0	0	0	0	0	0	0



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Public Utilities

Overview and Financial Tables

SERVICE AREA OVERVIEW

The Public Utilities service area includes the activities of the Bureau of Environmental Services (BES), the Environmental Remediation Fund, and the Bureau of Water Works. For FY 2004-05, the service area's capital budget totals over \$187.8 million, or 68% of the total CIP budget. The FY 2005-09 budget for the above bureaus is approximately \$906.2 million.

BUREAU OF ENVIRONMENTAL SERVICES

BES projects comprise 74.4% of the FY 2004-05 Service Area CIP budget and total approximately \$139.7 million. The budget for the five-year CIP planning period is about \$582.0 million. Environmental Services' projects are budgeted in the following capital programs: Combined Sewer Overflow (CSO), Maintenance and Reliability, Sewage Treatment Systems, Surface Water Management, and Systems Development.

ENVIRONMENTAL REMEDIATION FUND

The Environmental Remediation Fund's capital budget includes one project for \$325,000 to remediate environmental contamination at the Longview City Laundry & Cleaners site in the Guilds Lake area.

BUREAU OF WATER WORKS

Water projects comprise 25.4% of the FY 2004-05 Service Area CIP budget and total approximately \$47.8 million. The budget for the five-year CIP planning period is about \$324.0 million. Water's projects are budgeted in the following capital programs: Bull Run Supply, Distribution System, Facilities and Equipment, Groundwater Supply, Planning and Management, Storage and Transmission, and Water Quality and Treatment.

Capital Improvement Plan — Public Utilities

SOURCES AND USES

This table summarizes the funding and costs by capital program for bureaus within this service area.

Bureau	Revised		Adopted	Capital Plan				
	Prior Years	FY 2003-04		FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year
Capital Program								
Environmental Services								
Combined Sewer Overflow								
Funding Sources								
BES Permit Fees and Charges	19,941,930	917,078	893,958	543,858	396,378	731,540	1,074,282	3,640,016
BES Rates	0	15,972,884	15,570,710	9,472,759	6,903,992	12,741,760	18,711,536	63,400,757
EPA	0	0	1,682,464	971,200	0	0	0	2,653,664
Federal Grants	2,795,200	0	0	0	0	0	0	0
Other Financing (Internal)	1,187,854	2,553,804	2,489,503	1,514,540	1,103,836	2,037,200	2,991,670	10,136,749
Sewer Capital Fund	43,325,069	96,038,237	92,522,596	56,340,366	41,770,159	77,089,500	113,207,513	380,930,134
Total Funding Sources	67,250,053	115,482,003	113,159,231	68,842,722	50,174,365	92,600,000	135,985,000	460,761,318
Project Costs								
Construction/Equipment	63,761,405	112,486,003	106,853,531	62,042,722	47,060,365	90,000,000	135,800,000	441,756,618
Design/Project Mgmt	686,677	878,000	4,304,000	4,800,000	3,114,000	2,600,000	185,000	15,003,000
Planning	2,083,000	2,118,000	0	0	0	0	0	0
Site Acquisition	700,000	0	2,001,700	2,000,000	0	0	0	4,001,700
Total Project Costs	67,231,082	115,482,003	113,159,231	68,842,722	50,174,365	92,600,000	135,985,000	460,761,318
Oper & Maint Costs	0	0	14,000	401,750	2,042,250	2,118,290	2,245,690	6,821,980
Maintenance & Reliability								
Funding Sources								
BES Permit Fees and Charges	2,495,631	75,517	81,282	82,518	132,474	82,112	152,868	531,254
BES Rates	0	1,315,336	1,415,738	1,437,270	2,307,392	1,430,201	2,662,600	9,253,201
Other Financing (Internal)	148,651	210,301	226,354	229,795	368,915	228,666	425,707	1,479,437
Sewer Capital Fund	4,678,565	7,957,972	8,565,419	8,695,691	13,960,060	8,652,923	16,109,117	55,983,210
Total Funding Sources	7,322,847	9,559,126	10,288,787	10,445,272	16,768,838	10,393,900	19,350,290	67,247,087
Project Costs								
Construction/Equipment	6,668,715	7,097,492	9,221,297	8,555,572	13,916,538	8,645,400	19,000,000	59,338,807
Design/Project Mgmt	502,902	519,965	567,490	1,705,200	2,577,300	1,708,500	301,300	6,859,790
Planning	151,230	1,941,669	500,000	169,500	265,000	35,000	42,000	1,011,500
Site Acquisition	0	0	0	15,000	10,000	5,000	6,990	36,990
Total Project Costs	7,322,847	9,559,126	10,288,787	10,445,272	16,768,838	10,393,900	19,350,290	67,247,087
Oper & Maint Costs	0	0	84,000	501,464	514,634	516,234	517,610	2,133,942
Sewage Treatment Systems								
Funding Sources								
BES Permit Fees and Charges	1,155,312	27,026	44,610	46,078	28,882	39,658	48,664	207,892
BES Rates	0	470,730	776,993	802,552	503,066	690,752	847,616	3,620,979
Other Financing (Internal)	68,817	75,262	124,229	128,315	80,432	110,440	135,520	578,936
Sewer Capital Fund	2,165,871	2,847,983	4,700,919	4,855,557	3,043,620	4,179,150	5,128,200	21,907,446
Total Funding Sources	3,390,000	3,421,000	5,646,750	5,832,500	3,656,000	5,020,000	6,160,000	26,315,250
Project Costs								
Construction/Equipment	2,649,913	2,671,000	4,900,000	5,232,500	3,106,000	4,470,000	5,450,000	23,158,500
Design/Project Mgmt	608,000	700,000	634,500	550,000	500,000	500,000	710,000	2,894,500
Planning	132,087	50,000	112,250	50,000	50,000	50,000	0	262,250
Total Project Costs	3,390,000	3,421,000	5,646,750	5,832,500	3,656,000	5,020,000	6,160,000	26,315,250
Oper & Maint Costs	0	0	-122,500	26,500	-13,500	-53,500	-53,500	-216,500

Capital Improvement Plan — Public Utilities

SOURCES AND USES

This table summarizes the funding and costs by capital program for bureaus within this service area.

Bureau		Revised	Adopted	Capital Plan				
Capital Program	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year
Surface Water Management								
Funding Sources								
BES Permit Fees and Charges	998,086	21,980	24,204	26,821	5,926	5,224	16,430	78,605
BES Rates	0	382,837	421,561	467,152	103,200	90,995	286,178	1,369,086
Other Financing (Internal)	59,451	61,209	67,401	74,690	16,500	14,549	45,755	218,895
Sewer Capital Fund	1,891,113	2,316,216	2,550,505	2,826,338	624,376	550,532	1,731,420	8,283,171
Total Funding Sources	2,948,650	2,782,242	3,063,669	3,395,000	750,000	661,300	2,079,783	9,949,752
Project Costs								
Construction/Equipment	2,306,650	1,033,000	2,394,727	2,830,000	50,000	158,000	1,579,783	7,012,510
Design/Project Mgmt	205,000	640,000	165,942	0	135,000	3,300	0	304,242
Planning	20,000	112,742	53,000	115,000	115,000	50,000	50,000	383,000
Site Acquisition	417,000	996,500	450,000	450,000	450,000	450,000	450,000	2,250,000
Total Project Costs	2,948,650	2,782,242	3,063,669	3,395,000	750,000	661,300	2,079,783	9,949,752
Oper & Maint Costs	0	0	0	750	750	2,250	2,250	6,000
Systems Development								
Funding Sources								
BES Permit Fees and Charges	1,500,005	20,311	59,563	32,075	15,485	15,485	15,524	138,132
BES Rates	11,154	353,770	1,037,435	558,656	269,696	269,696	270,384	2,405,867
Interagencies Bureau Revenues	25,000	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Other Financing (Internal)	91,289	56,562	165,869	89,320	43,120	43,120	43,230	384,659
Sewer Capital Fund	2,859,552	2,115,357	6,276,634	3,379,951	1,631,701	1,631,701	1,635,863	14,555,850
Total Funding Sources	4,487,000	2,571,000	7,564,500	4,085,000	1,985,000	1,985,000	1,990,000	17,609,500
Project Costs								
Construction/Equipment	4,007,300	2,375,000	7,539,500	3,960,000	1,860,000	1,860,000	1,865,000	17,084,500
Design/Project Mgmt	329,700	196,000	25,000	125,000	125,000	125,000	125,000	525,000
Site Acquisition	150,000	0	0	0	0	0	0	0
Total Project Costs	4,487,000	2,571,000	7,564,500	4,085,000	1,985,000	1,985,000	1,990,000	17,609,500
Oper & Maint Costs	0	0	199,000	230,000	263,362	297,562	330,562	1,320,486
Environmental Remediation								
Funding Sources								
Revenue Bonds	0	325,000	325,000	0	0	0	0	325,000
Total Funding Sources	0	325,000	325,000	0	0	0	0	325,000
Project Costs								
Construction/Equipment	0	325,000	325,000	0	0	0	0	325,000
Total Project Costs	0	325,000	325,000	0	0	0	0	325,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Water Bureau								
Bull Run Supply								
Funding Sources								
Private Grants and Donations	0	0	11,000	25,000	32,000	0	0	68,000
Water Capital Fund	645,000	1,970,000	2,481,000	1,795,000	1,161,000	1,220,000	1,555,000	8,212,000
Water Rates	25,000	25,000	25,000	25,000	435,000	155,000	70,000	710,000
Total Funding Sources	670,000	1,995,000	2,517,000	1,845,000	1,628,000	1,375,000	1,625,000	8,990,000
Project Costs								
Construction/Equipment	395,000	1,405,000	1,537,000	1,065,000	833,000	970,000	1,125,000	5,530,000
Design/Project Mgmt	275,000	590,000	980,000	780,000	795,000	405,000	500,000	3,460,000
Total Project Costs	670,000	1,995,000	2,517,000	1,845,000	1,628,000	1,375,000	1,625,000	8,990,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities

SOURCES AND USES

This table summarizes the funding and costs by capital program for bureaus within this service area.

Bureau	Capital Plan							
	Prior Years	Revised FY 2003-04	Adopted FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year
Capital Program								
Distribution System								
Funding Sources								
Interagencies Bureau Revenues	3,355,000	2,708,000	4,713,000	7,730,000	7,615,000	2,080,000	1,180,000	23,318,000
Service Reimbursements	500,000	2,300,000	2,300,000	2,570,000	2,500,000	3,900,000	2,300,000	13,570,000
Water Capital Fund	11,065,000	9,829,000	12,826,000	11,687,000	14,781,000	19,725,000	18,695,000	77,714,000
Total Funding Sources	14,920,000	14,754,000	19,339,000	21,987,000	24,896,000	25,705,000	22,175,000	114,102,000
Project Costs								
Construction/Equipment	12,806,000	10,756,000	14,787,000	17,131,000	19,230,000	20,829,000	17,289,000	89,266,000
Design/Project Mgmt	2,114,000	3,998,000	4,552,000	4,856,000	5,666,000	4,876,000	4,886,000	24,286,000
Total Project Costs	14,920,000	14,754,000	19,339,000	21,987,000	24,896,000	25,705,000	22,175,000	114,102,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Facilities & Equipment								
Funding Sources								
Water Capital Fund	2,910,000	3,160,400	6,916,000	8,035,000	8,270,000	5,152,000	3,087,000	31,460,000
Water Rates	45,000	200,000	0	0	0	0	0	0
Total Funding Sources	2,955,000	3,360,400	6,916,000	8,035,000	8,270,000	5,152,000	3,087,000	31,460,000
Project Costs								
Construction/Equipment	2,214,000	2,838,400	5,276,000	6,360,000	7,548,000	4,590,000	2,801,000	26,575,000
Design/Project Mgmt	741,000	522,000	1,640,000	1,075,000	722,000	562,000	286,000	4,285,000
Site Acquisition	0	0	0	600,000	0	0	0	600,000
Total Project Costs	2,955,000	3,360,400	6,916,000	8,035,000	8,270,000	5,152,000	3,087,000	31,460,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Groundwater Supply								
Funding Sources								
Water Capital Fund	3,115,000	4,738,000	3,683,000	5,100,000	4,505,000	3,350,000	3,215,000	19,853,000
Water Rates	200,000	200,000	150,000	150,000	150,000	150,000	150,000	750,000
Total Funding Sources	3,315,000	4,938,000	3,833,000	5,250,000	4,655,000	3,500,000	3,365,000	20,603,000
Project Costs								
Construction/Equipment	2,050,000	3,068,000	2,733,000	4,180,000	3,895,000	2,640,000	2,505,000	15,953,000
Design/Project Mgmt	865,000	1,470,000	900,000	1,070,000	760,000	860,000	860,000	4,450,000
Site Acquisition	400,000	400,000	200,000	0	0	0	0	200,000
Total Project Costs	3,315,000	4,938,000	3,833,000	5,250,000	4,655,000	3,500,000	3,365,000	20,603,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Planning & Management								
Funding Sources								
Interagencies Bureau Revenues	10,000	25,000	50,000	100,000	100,000	100,000	100,000	450,000
Partnership	200,000	0	0	0	0	200,000	400,000	600,000
Water Capital Fund	10,000	25,000	50,000	100,000	100,000	100,000	100,000	450,000
Water Rates	635,000	665,000	1,100,000	2,175,000	1,965,000	1,945,000	1,830,000	9,015,000
Total Funding Sources	855,000	715,000	1,200,000	2,375,000	2,165,000	2,345,000	2,430,000	10,515,000
Project Costs								
Construction/Equipment	130,000	185,000	535,000	805,000	505,000	255,000	375,000	2,475,000
Design/Project Mgmt	725,000	530,000	665,000	1,570,000	1,660,000	2,090,000	2,055,000	8,040,000
Total Project Costs	855,000	715,000	1,200,000	2,375,000	2,165,000	2,345,000	2,430,000	10,515,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities

SOURCES AND USES

This table summarizes the funding and costs by capital program for bureaus within this service area.

Bureau	Revised		Adopted	Capital Plan				
Capital Program	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year
Storage & Transmission								
Funding Sources								
Other Financing (External)	0	0	0	5,000,000	5,000,000	0	0	10,000,000
Water Capital Fund	8,042,300	18,240,000	10,943,000	18,320,000	21,813,000	31,030,000	23,852,000	105,958,000
Water Rates	400,000	320,000	340,000	0	0	0	0	340,000
Total Funding Sources	8,442,300	18,560,000	11,283,000	23,320,000	26,813,000	31,030,000	23,852,000	116,298,000
Project Costs								
Construction/Equipment	2,900,000	10,040,000	7,275,000	19,630,000	24,068,000	28,270,000	22,352,000	101,595,000
Design/Project Mgmt	5,542,300	8,520,000	4,008,000	3,690,000	2,745,000	2,760,000	1,500,000	14,703,000
Total Project Costs	8,442,300	18,560,000	11,283,000	23,320,000	26,813,000	31,030,000	23,852,000	116,298,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Water Quality & Treatment								
Funding Sources								
Water Capital Fund	5,275,000	1,950,000	2,625,000	2,175,000	3,675,000	5,150,000	8,150,000	21,775,000
Water Rates	100,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	5,375,000	2,000,000	2,675,000	2,225,000	3,725,000	5,200,000	8,200,000	22,025,000
Project Costs								
Construction/Equipment	4,460,000	1,070,000	490,000	130,000	3,130,000	4,620,000	7,620,000	15,990,000
Design/Project Mgmt	915,000	930,000	2,185,000	2,095,000	595,000	580,000	580,000	6,035,000
Total Project Costs	5,375,000	2,000,000	2,675,000	2,225,000	3,725,000	5,200,000	8,200,000	22,025,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area for bureaus within this service area.

Bureau	Revised		Adopted	Capital Plan				5-Year
Geographic Area	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	Total
Public Utilities								
Environmental Services								
All Areas	56,741,082	113,485,393	99,737,998	60,267,722	22,942,365	6,212,000	6,097,000	195,257,085
East	3,285,650	3,769,917	8,314,736	13,675,914	31,000,000	90,000,000	120,042,000	263,032,650
North	800,000	21,161,227	9,624,442	5,250,500	1,700,000	2,500,000	6,610,000	25,684,942
Northeast	4,550,000	2,347,591	9,098,711	3,884,658	261,538	111,300	1,573,400	14,929,607
Northwest	8,886,230	3,180,610	6,507,700	4,835,000	1,800,000	600,000	13,000,000	26,742,700
Southeast	6,115,490	5,478,633	5,047,100	4,621,700	15,065,300	8,736,900	15,242,673	48,713,673
Southwest	2,345,127	2,392,000	1,392,250	65,000	565,000	2,500,000	3,000,000	7,522,250
West	2,656,000	600,000	0	0	0	0	0	0
Total Environmental Services	85,379,579	152,415,371	139,722,937	92,600,494	73,334,203	110,660,200	165,565,073	581,882,907
Water Bureau								
All Areas	9,554,652	18,454,400	25,910,000	27,252,000	31,301,000	32,432,000	28,212,000	145,107,000
Central City	1,784,412	570,000	750,000	1,250,000	1,400,000	5,000,000	6,000,000	14,400,000
East	23,918,217	21,740,000	15,550,000	25,815,000	30,426,000	31,775,000	26,907,000	130,473,000
Northeast	13,179,942	5,138,000	4,953,000	9,870,000	8,575,000	4,950,000	3,315,000	31,663,000
Southeast	2,202,908	0	0	200,000	0	0	0	200,000
Southwest	45,152	0	0	0	0	0	150,000	150,000
Undefined	251,975	420,000	600,000	650,000	450,000	150,000	150,000	2,000,000
Total Water Bureau	50,937,258	46,322,400	47,763,000	65,037,000	72,152,000	74,307,000	64,734,000	323,993,000
Total Public Utilities	\$136,316,837	\$198,737,771	\$187,485,937	\$157,637,494	\$145,486,203	\$184,967,200	\$230,299,073	\$905,875,907

Capital Improvement Plan — Public Utilities

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program	Revised	Adopted	Capital Plan					5-Year Total
Project	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Environmental Services								
Combined Sewer Overflow								
California PS Upgrade	318,000	903,000	689,000	0	0	0	0	689,000
Caroline Basin Stream Diversion	500,000	0	0	0	500,000	2,500,000	3,000,000	6,000,000
CBWTP Influent PS Upgrade	0	318,000	2,400,000	250,000	0	0	0	2,650,000
CBWTP Primary Treatment Expansion	0	0	0	500,000	314,000	0	2,800,000	3,614,000
CBWTP WW Headworks	0	0	964,000	1,323,000	250,000	0	50,000	2,587,000
Columbia Slough WWTF	0	2,050,000	3,782,533	1,400,000	0	0	0	5,182,533
East Tunnel	2,700,000	2,675,000	5,000,000	7,000,000	31,000,000	90,000,000	120,000,000	253,000,000
Portsmouth Force Main	0	50,000	1,250,000	1,300,000	1,300,000	100,000	10,000,000	13,950,000
Sellwood-Separation	0	0	0	0	0	0	135,000	135,000
Tanner Creek Basin Stream Diversion	8,735,000	1,630,610	5,257,700	3,035,000	0	0	0	8,292,700
Westside CSO Tunnel & Swan Island PS	52,322,082	107,855,393	93,815,998	54,034,722	16,810,365	0	0	164,661,085
Total Combined Sewer Overflow	67,231,082	115,482,003	113,159,231	68,842,722	50,174,365	92,600,000	135,985,000	460,761,318
Maintenance & Reliability								
H/S/S Inflow Control	0	99,591	174,211	249,658	126,538	0	0	550,407
Insley/Taggart A Basin R&R	1,510,490	3,412,391	1,905,000	0	0	0	6,990	1,911,990
Lents 1&2 Sewer Basin Predesign	0	180,000	0	500,000	1,000,000	0	2,000,000	3,500,000
Maintenance Capital-Construction	507,000	407,000	307,000	207,000	107,000	107,000	107,000	835,000
Maintenance Capital-Contract	1,000,000	1,500,000	2,605,000	1,521,000	1,520,000	1,600,000	1,600,000	8,846,000
NW Combination Sewer Relief	151,230	1,500,000	0	500,000	500,000	500,000	3,000,000	4,500,000
Stormwater Residuals	0	92,227	113,409	0	0	0	0	113,409
Sullivan Sewer Rehabilitation	205,000	30,000	550,000	0	0	0	0	550,000
Sullivan/Stark/Holladay Predesign	0	507,917	2,934,167	6,605,914	0	0	42,000	9,582,081
Taggart B, C, & D Basins R&R	2,400,000	7,000	0	0	0	393,000	3,262,500	3,655,500
Taggart D Basin Sewer Separation	0	0	500,000	816,700	12,998,300	7,788,900	9,205,000	31,308,900
Taggart Sewer Rehabilitation	0	0	0	45,000	517,000	5,000	0	567,000
Taylor Trunk Relief	952,000	1,100,000	600,000	0	0	0	0	600,000
Western Half Lents 1 Separation	60,000	0	0	0	0	0	126,800	126,800
Wheeler Structural Rehabilitation	160,000	650,000	600,000	0	0	0	0	600,000
Total Maintenance & Reliability	7,322,847	9,559,126	10,288,787	10,445,272	16,768,838	10,393,900	19,350,290	67,247,087
Sewage Treatment Systems								
CBWTP Aeration Basin Repairs	120,000	120,000	120,000	132,500	0	0	0	252,500
CBWTP Automation	40,000	60,000	60,000	105,000	36,000	0	0	201,000
CBWTP Conversion	0	0	2,050,000	1,500,000	0	0	0	3,550,000
CBWTP MICRO TURBINES	-0	-0	-0	-0	-0	-0	-0	0
CBWTP Odor Control	0	0	94,500	0	0	0	0	94,500
CBWTP Outfall Line Repair	0	0	40,000	40,000	1,100,000	2,500,000	3,760,000	7,440,000
Pump Station Improvement Program	1,200,000	1,260,000	1,260,000	1,260,000	1,260,000	1,260,000	1,200,000	6,240,000
Sullivan Pump Station Repairs	190,000	200,000	700,000	1,535,000	0	0	0	2,235,000
TCWTP Third Secondary Clarifier	0	0	62,250	0	0	0	0	62,250
Treatment Facilities-Rehab & Modification	1,200,000	1,260,000	1,260,000	1,260,000	1,260,000	1,260,000	1,200,000	6,240,000
Total Sewage Treatment Systems	3,390,000	3,421,000	5,646,750	5,832,500	3,656,000	5,020,000	6,160,000	26,315,250
Surface Water Management								
Alsop-Brownwood	400,000	1,065,000	1,760,000	1,510,000	0	0	0	3,270,000
Fanno Projects 39th-Shattuck	198,000	15,000	15,000	0	0	0	0	15,000
Fanno-Tryon Retrofit	0	0	0	65,000	65,000	0	0	130,000
Johnson Creek Restoration	0	709,242	662,100	550,000	550,000	550,000	506,383	2,818,483
Lents Crossing	1,745,000	105,000	220,000	1,200,000	0	0	0	1,420,000
NE 148th WQF	0	0	0	0	135,000	111,300	1,573,400	1,819,700
Slough Infrastructure	585,650	587,000	267,211	70,000	0	0	0	337,211
Taylor's Ferry Water Quality Facility	0	61,000	26,000	0	0	0	0	26,000
Wellhead Sump Retrofit	0	0	113,358	0	0	0	0	113,358
Total Surface Water Management	2,948,650	2,782,242	3,063,669	3,395,000	750,000	661,300	2,079,783	9,949,752
Systems Development								

Capital Improvement Plan — Public Utilities

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program	Revised	Adopted	Capital Plan					5-Year Total
Project	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	Total
Bureau of Transportation Interagencies	25,000	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Com/Ind/Res Sanitary Sewer Extension	422,000	1,113,000	0	1,495,000	1,495,000	1,495,000	1,500,000	5,985,000
Drainage Improvement	25,000	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Permit Reimbursement	40,000	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Permits	0	0	400,000	400,000	400,000	400,000	400,000	2,000,000
South Airport Sanitary Sewer System	3,975,000	1,368,000	7,074,500	2,100,000	0	0	0	9,174,500
Total Systems Development	4,487,000	2,571,000	7,564,500	4,085,000	1,985,000	1,985,000	1,990,000	17,609,500
Environmental Remediation								
Longview City Laundry Remediation	0	325,000	325,000	0	0	0	0	325,000
Total Environmental Remediation	0	325,000	325,000	0	0	0	0	325,000
Total Environmental Services	85,379,579	134,740,371	140,047,937	92,600,494	73,334,203	110,660,200	165,565,073	582,207,907
Water Bureau								
Bull Run Supply								
Bull Run Development	50,000	100,000	100,000	100,000	100,000	100,000	260,000	660,000
Bull Run Lake Mitigation	40,000	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Dams & Headworks Repair/Rehabilitation	70,000	1,305,000	1,482,000	755,000	418,000	230,000	405,000	3,290,000
ESA Support	0	0	0	0	465,000	630,000	570,000	1,665,000
USFS/COP Land Exchange	110,000	140,000	475,000	475,000	100,000	0	0	1,050,000
Visitor Safety & Access Improvements	25,000	25,000	25,000	25,000	25,000	25,000	0	100,000
Watershed Maintenance	375,000	385,000	395,000	450,000	480,000	350,000	350,000	2,025,000
Total Bull Run Supply	670,000	1,995,000	2,517,000	1,845,000	1,628,000	1,375,000	1,625,000	8,990,000
Distribution System								
Automated Meter Reading (AMR)	100,000	100,000	100,000	0	0	0	0	100,000
BES Adjustments	1,610,000	525,000	890,000	850,000	735,000	200,000	300,000	2,975,000
Distribution Mains	4,910,000	4,900,000	4,900,000	5,870,000	5,800,000	7,600,000	5,600,000	29,770,000
Large Meter Replacement & Design	335,000	915,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000
Meter Purchases	415,000	315,000	315,000	315,000	315,000	315,000	315,000	1,575,000
ODOT Adjustments	1,243,000	675,000	675,000	675,000	675,000	675,000	675,000	3,375,000
PDOT Adjustments	2,598,000	2,938,000	4,470,000	6,500,000	6,500,000	2,500,000	1,500,000	21,470,000
Pump Stations	222,000	620,000	1,167,000	425,000	580,000	1,570,000	927,000	4,669,000
Regulator Maintenance	0	0	200,000	200,000	200,000	200,000	200,000	1,000,000
Renew Hydrants	700,000	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Services	0	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	10,400,000
Tanks	190,000	140,000	535,000	500,000	1,125,000	2,595,000	2,830,000	7,585,000
Transmission Mains	97,000	546,000	1,507,000	1,572,000	2,386,000	3,470,000	3,248,000	12,183,000
Utility Relocates	2,500,000	500,000	500,000	1,000,000	2,500,000	2,500,000	2,500,000	9,000,000
Total Distribution System	14,920,000	14,754,000	19,339,000	21,987,000	24,896,000	25,705,000	22,175,000	114,102,000
Facilities & Equipment								
Building Maintenance	175,000	400,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Equipment Purchases	1,974,000	2,138,400	3,349,000	1,878,000	2,728,000	2,330,000	1,645,000	11,930,000
Facilities Security	629,000	200,000	1,500,000	575,000	600,000	750,000	870,000	4,295,000
Interstate Site Improvements	30,000	250,000	1,170,000	4,670,000	3,970,000	1,500,000	0	11,310,000
Microwave/Communications System	0	0	0	100,000	250,000	0	0	350,000
Water Control Center	147,000	372,000	697,000	612,000	522,000	372,000	372,000	2,575,000
Total Facilities & Equipment	2,955,000	3,360,400	6,916,000	8,035,000	8,270,000	5,152,000	3,087,000	31,460,000
Groundwater Supply								
Groundwater Remediation	150,000	150,000	100,000	100,000	100,000	100,000	100,000	500,000
Groundwater System Upgrade	2,525,000	4,028,000	3,083,000	4,550,000	3,660,000	2,505,000	2,370,000	16,168,000
Small Wells	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Wellfield Rehabilitation	290,000	410,000	300,000	350,000	645,000	645,000	645,000	2,585,000
Wellhead Protection/Monitoring Wells	300,000	300,000	300,000	200,000	200,000	200,000	200,000	1,100,000
Total Groundwater Supply	3,315,000	4,938,000	3,833,000	5,250,000	4,655,000	3,500,000	3,365,000	20,603,000
Planning & Management								
Bulk Water Use Management	20,000	50,000	100,000	200,000	200,000	200,000	200,000	900,000
Customer Demand Monitoring	40,000	95,000	0	0	0	200,000	200,000	400,000

Capital Improvement Plan — Public Utilities

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau	Revised		Adopted	Capital Plan				5-Year Total
Capital Program								
Project	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	
Facility Standards	5,000	0	0	5,000	5,000	5,000	5,000	20,000
GIS Water Bureau	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Industrial Conservation	0	0	0	30,000	30,000	30,000	30,000	120,000
Infrastructure Master Plan (IMP)	200,000	200,000	250,000	250,000	100,000	0	0	600,000
Maintenance Management System	0	250,000	500,000	500,000	400,000	0	0	1,400,000
Peak Offload/Backup Wells for Hospital	150,000	0	0	0	0	0	150,000	150,000
Project Management System	40,000	20,000	250,000	250,000	0	0	0	500,000
RWSP Revision	300,000	0	0	0	0	0	300,000	300,000
Water Loss Reduction	50,000	50,000	50,000	50,000	50,000	100,000	100,000	350,000
Water System Studies	0	0	0	1,040,000	1,330,000	1,760,000	1,395,000	5,525,000
Total Planning & Management	855,000	715,000	1,200,000	2,375,000	2,165,000	2,345,000	2,430,000	10,515,000
Storage & Transmission								
Conduit 5	20,000	270,000	320,000	320,000	20,000	20,000	20,000	700,000
Conduit Isolation & Improvements	450,000	1,000,000	2,550,000	50,000	50,000	1,650,000	3,200,000	7,500,000
Conduit Relocate/Sandy River	92,300	0	73,000	700,000	5,400,000	5,700,000	0	11,873,000
Conduit Repair & Rehabilitation	1,500,000	600,000	550,000	800,000	400,000	400,000	400,000	2,550,000
Conduit Vulnerability Reduction	500,000	250,000	1,400,000	1,850,000	1,493,000	110,000	1,082,000	5,935,000
Open Reservoirs	5,400,000	15,750,000	5,590,000	18,050,000	18,050,000	18,050,000	13,050,000	72,790,000
Powell Butte Reservoirs	50,000	0	0	200,000	0	0	0	200,000
Regional WhSale Conn. & Pipes	250,000	370,000	550,000	600,000	400,000	100,000	100,000	1,750,000
Willamette River Crossing	180,000	320,000	250,000	750,000	1,000,000	5,000,000	6,000,000	13,000,000
Total Storage & Transmission	8,442,300	18,560,000	11,283,000	23,320,000	26,813,000	31,030,000	23,852,000	116,298,000
Water Quality & Treatment								
Bull Run Disinfection Improvements	250,000	150,000	100,000	100,000	100,000	100,000	100,000	500,000
Bull Run Treatment	300,000	500,000	2,000,000	2,000,000	3,500,000	5,000,000	8,000,000	20,500,000
Groundwater Disinfection Improvements	4,700,000	1,225,000	450,000	0	0	0	0	450,000
Regulatory Compliance Studies	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Water Quality Sample Upgrade	75,000	75,000	75,000	75,000	75,000	50,000	50,000	325,000
Total Water Quality & Treatment	5,375,000	2,000,000	2,675,000	2,225,000	3,725,000	5,200,000	8,200,000	22,025,000
Total Water Bureau	36,532,300	46,322,400	47,763,000	65,037,000	72,152,000	74,307,000	64,734,000	323,993,000
Total Public Utilities	\$121,911,879	\$181,062,771	\$187,810,937	\$157,637,494	\$145,486,203	\$184,967,200	\$230,299,073	\$906,200,907

Bureau of Environmental Services

CAPITAL OVERVIEW

Bureau Mission

The Bureau of Environmental Services (BES) serves the Portland community by protecting public health, water quality, and the environment.

- ◆ We protect, enhance, and restore natural waterways.
- ◆ We provide sewage and stormwater services to accommodate current and future needs.

CIP Highlights

Approximately 79% of the FY 2005-09 Capital Improvement Plan (spanning FY 2004-05 through FY 2008-09) funding is concentrated in the Combined Sewer Overflow (CSO) program. Major projects within this program include the Westside Tunnel & Pump Station and the East Tunnel. Nearly 83% of the first year CSO budget is allocated to construction activities related to the Westside Tunnel & Pump Station project. All of the projects within this program are being driven by regulations that require the control of combined sewer overflows on the west side of the Willamette River by the year 2006, and all CSO outfalls by 2011.

Approximately 12% of the CIP budget resides in the Maintenance and Reliability program. Much of the larger pipe in the city's older neighborhoods is near or exceeds 100 years of age. Major projects under implementation are the Insley/Taggart "A" Relief and Reconstruction and the Sullivan/Stark/Holladay Basins CS Relief. The above two projects account for approximately 59% of the first year Maintenance and Reliability program budget.

Sewage Treatment Systems account for 4.5% of the CIP budget. These projects are located at either of the City's wastewater treatment plants (Columbia Boulevard or Tryon Creek) or at one of the pump stations in the collection system. Major projects in the first year include the Sodium Hypochlorite Conversion project and projects within the Pump Station Improvement and Treatment Facilities-Rehabilitation & Modification programs. The above three projects account for approximately 81% of the first year Sewage Treatment Systems program budget.

Projects within the remaining two program areas, Surface Water Management and Systems Development, comprise about 5% of the CIP.

Major Issues

Seventy-nine percent of the proposed 5-year CIP budget is allocated to the CSO program, in which 91% of the budget is allocated to two projects: Westside Tunnel & Pump Station, and East Tunnel. Given the above, almost 72% of the entire CIP budget is allocated to these two projects. The most critical task facing the bureau is management and control of the above projects.

BES has made a very dedicated effort to control cost on the Westside Tunnel & Pump Station project. In conjunction with Jacobs & Associates (Construction Manager), BES has dedicated a full-time staff to cost and schedule control. This same level of effort will be employed on the East Tunnel project.

Changes from Prior Year

In reviewing the changes to program budgets between five-year CIP budgets, the comparison period is the four years FY 2005-08. With this in mind, the compared amounts are \$406 million for the FY 2004-08 CIP and \$416 million for the FY 2005-09 CIP. This increase, beyond the normal variations brought about by completion of old projects and the initiation of new projects, is explained by funding increases in all programs other than CSO.

Combined Sewer Overflow

The prior year's CIP for the comparison period was \$334 million; the current year's CIP for the same period is \$325 million. The change includes the winding-down of the Westside Tunnel & Pump Station project and the ramping-up of the Eastside Tunnel project. In the current CIP for FY 2005-09, cash requirements for the Eastside Tunnel are escalating slower than those identified in the prior year's CIP. This is the primary reason for the \$9 million reduction in overall four-year cash flow.

Maintenance and Reliability

The four-year total in last year's CIP was \$42 million, compared with this year's CIP total for the same period of \$48 million. The increased funding in this program is primarily for the Insley/Taggart "A" Relief & Reconstruction, NW Combined Basins Sewer Relief, and Lents 1&2 Sewer Basin Predesign projects.

Sewage Treatment Systems

Comparison period totals in last year's CIP was \$14 million, with the current CIP at \$20 million. The increased funding is attributable to the CBWTP Outfall Line Repair and CBWTP Sodium Hypochlorite Conversion projects. The Outfall Line Repair project is required to accommodate future CSO flow. Conversion to Sodium Hypochlorite in lieu of chlorine gas for treatment of effluent greatly enhances operational safety, reduces cost, and implements subject conversion prior to imposition of regulations.

Systems Development

The four-year total for last year's CIP was \$10 million, compared with this year's CIP at \$16 million. The increased funding is to meet the requirements of the South Airport Sanitary Trunk Sewer project.

Surface Water Management

Last year's CIP included \$6 million over the comparison period; the current CIP budgets \$8 million for the same period. The increased funding in this program is primarily for the Lents Crossing project.

STRATEGIC DIRECTION**Council Goals and Priorities**

Over the last few years, there has been increased participation by citizens and neighborhood committees in planning and developing the bureau's capital project plans. Citizen input has greatly influenced the bureau's strategy for CIP development. Emphasis is being placed on building facilities that would benefit the environment and protect the residents of the City.

The bureau's strategic plan is consistent with the City's goal to improve water and air quality and the overall well being of its citizens. Priority is given to projects that are mandated by federal and state laws and to projects that address City council goals and objectives.

City Comprehensive Plan

As reflected in the mission statement, BES is committed to improving water quality in Portland. The CSO program will significantly reduce the volume of sewage spilling into the Columbia Slough and the Willamette River by year 2011. Projects to reduce overflows into the Columbia Slough have been completed, and 99% of combined sewer overflows have been eliminated. The current focus is to control westside CSO outfalls that discharge into the Willamette River by 2006, and all remaining outfalls by 2011.

In the last few years, the bureau built multi-objective systems that address drainage problems, enhance fish and wildlife habitat, and create recreational benefits to the surrounding waters. There has been a shift in the decision making process in funding the Surface Water Management program where, historically, the drainage systems were constructed only to address flooding and standing water problems. The bureau's intent is to implement system infrastructure improvements by integrating traditional hard solutions with softer "green" solutions.

The Maintenance and Reliability program continues to repair and replace segments of the system to protect the City's infrastructure investment for current and future system users. Reliability is important to ensure effective service and protection of public health and the environment.

To manage the growing population of the city, major facilities were designed to meet these demands without sacrificing water quality. BES expanded its Systems Development program to support the implementation of the City's 2040 Plan. In neighborhoods where sewer service is unavailable, the bureau, through its Commercial/Industrial/Residential Sewer Extension program, provide sanitary sewers to unserved areas. A Sewer Extension Program Master Plan identifies mainline sewers, which will be added to the inventory and will provide new service to properties currently without sewer service.

Management Direction

The Bureau of Environmental Services has developed a Strategic Plan to guide its direction over the next decades. Based on this overall Strategic Plan, a Capital Strategic Plan was developed to serve as the framework for its capital budget. The plan was used to facilitate the CIP Development Review process and served as a tool in the decision making process. The Capital Strategic Plan was divided into various CIP programs within the bureau.

Combined Sewer Overflow

Meet the Amended Stipulation and Final Order timeline without accelerating project schedule. Continue to investigate East Willamette CSO predesign opportunities to reduce bureau CIP program costs, while effectively meeting Willamette River water quality objectives.

Maintenance and Reliability

The bureau has committed to provide funding for only the most structurally deficient portions of the sewer collection system and replace hydraulically overloaded systems in areas where there is basement flooding until the appropriate Combined Sewer Overflow (CSO) eastside Willamette predesign activities are completed.

Sewage Treatment Systems

Implement the Columbia Boulevard Water Treatment Plant (CBWTP) and the Tryon Creek Water Treatment Plant (TCWTP) Facility Plans. Provide funding only for projects that reduce odor and operating expenses and are needed to rehabilitate/maintain existing facility infrastructure and pump stations.

Systems Development

Fund cost effective projects that will expand the sewer collection system in support of the implementation of the 2040 Plan and in conformance with environmental regulations.

Surface Water Management

Complete watershed plans and predesign studies that will identify, prioritize, and allow implementation of surface water and other drainage projects in a systematic and prioritized manner with long term funding. Until these plans are completed, provide capital funding only to those critical projects required to correct water quality/stream hydrology concerns that are unlikely to be changed or impacted by the completed facility plans.

CAPITAL PLANNING AND BUDGETING

Capital Planning Process

The CIP was developed utilizing a multi-step process to identify, develop, review, score, and rank projects for funding and scheduling priority. This process was implemented to insure that the core identified needs of the sewerage, drainage, and surface water system and the community it serves would be effectively funded and scheduled.

A bureau-wide stakeholder review team was formed to investigate, score, and rank all CIP projects in accordance with identified CIP criteria. CIP weighted criteria, scoring instructions, scheduling guidelines, estimating procedures, and project request forms were created to insure each project was developed, reviewed, and scored based on detailed and consistent information throughout the bureau. A CIP program strategy was developed based on previously identified needs while taking into account future uncertainties to guide project selection and scheduling.

Each of the projects were reviewed by the bureau's financial managers, program managers, operations managers, and engineering managers. This helps insure the bureau is expending financial resources as effectively and appropriately as possible. The CIP management team evaluated all of the information from the process, met with selected bureau project and program managers to further reduce costs where appropriate, and submitted their final recommendation to the Bureau Director. The Bureau Director reviewed the findings and approved the CIP plan.

Financial Forecast Overview

The five-year financial forecast presents the bureau's revenue and expenditure plans for the operation, maintenance, expansion, and reconstruction of the City's sanitary sewer and stormwater drainage system. The operations, maintenance, and capital construction programs represented in the plan must provide for operation of the system in a safe, sound, and efficient manner, and comply with all applicable health, safety, and environmental laws, regulatory body rules, regulatory body orders, and court orders. Revenues from rates and other sources must be sufficient to fund the necessary operation and capital programs.

The bureau forecasts annual bill increases averaging 6.1% over the next five years. These increases are due to growth in annual system costs, partially offset by increases in non-rate revenues. For FY 2004-05, the average residential single-family sewer/stormwater bill will increase 5.9%.

Public Facilities Plan Overview

The Bureau of Environmental Services has developed a Public Facilities Plan (PFP) that identifies major public sewage infrastructure needs for the City of Portland through the year 2015. The PFP is part of BES's continuous cycle of planning, implementation, and evaluation. It is designed to be continually updated, at increasing levels of detail. Eventually, it will encompass both major and minor facilities.

Projects are developed by determining the infrastructure required to accommodate the City's comprehensive land use plan densities and by determining whether the existing system is capable of delivering the required level of service. Capability is determined by performing hydraulic analysis of the system's conveyance capacity and reviewing information on its structural condition. The bureau intends to develop a methodology that will predict rehabilitation needs for pipelines more comprehensively. This will lead to a program that will systematically schedule replacement of the most critical and deficient pipeline segments.

The current PFP addresses significant or major facilities for the City's four types of infrastructure systems:

- ◆ The combined sewer system includes the network of pipelines and pump stations that collect and convey combined stormwater and wastewater. The PFP addresses combined sewer pipes 15 inches in diameter or larger. Its emphasis is on system improvements needed to prevent sewer backups and basement flooding.
- ◆ The sanitary sewer system includes the network of pipelines and pump stations that collect and convey wastewater. The current PFP addresses sanitary sewer pipes 10 inches in diameter or larger.
- ◆ The stormwater system includes the swales, ponds, channels, creeks, sloughs, culverts, and pipe systems that convey and treat stormwater runoff from the land. The current PFP addresses stormwater facilities in basins draining 160 acres or more, which corresponds to a typical minimum pipe diameter of 12 inches or larger.
- ◆ The wastewater treatment system includes two secondary wastewater treatment plants: the Columbia Boulevard Wastewater Treatment Plant and the Tryon Creek Wastewater Treatment Plant.

The PFP uses an integrated watershed approach to assess facilities needs. In this approach, an entire watershed is analyzed as a unit to identify interrelated problems and coordinate all plans, activities, and programs. This avoids solving a problem in one area while creating another problem elsewhere. It also leverages limited funds to solve multiple problems with a single integrated solution. There are five major watersheds within the city of Portland:

- ◆ Southwest Willamette/Tualatin River
- ◆ Northwest Willamette
- ◆ Columbia Slough/Columbia River
- ◆ East Willamette
- ◆ Johnson Creek

There are 268 projects recommended in the PFP. Recommendations from the PFP will be implemented primarily through BES's Capital Improvement Plan.

Asset Management and Replacement Plans

A Rehabilitation Plan is currently being developed. The intent of the project is to develop a plan to systematically predict collection system rehabilitation needs for sewer pipelines, pump stations, and drainage facilities.

Pipeline Element

The first phase of the project focuses on sewer pipelines. The primary vehicle for doing this is anticipated to be a set of automated tools that will use physical attributes to predict the future performance of individual facilities. The tool will rely heavily on data currently contained and maintained within BES's Maintenance Management System. In addition, the suite of tools developed may require additional data to be collected or existing data to be collected and stored in a different way.

Pump Station Element

Development of a more comprehensive plan that provides baseline information for each pump station, establishes evaluation criteria for rating station performance, prioritizes pump station improvements, and develops an implementation for improvements.

CAPITAL PROGRAMS AND PROJECTS

Program Description Combined Sewer Overflow

Approximately 60% of Portland's population is served by a combined sewer system that carries both domestic sewage and stormwater runoff. When it rains, stormwater runoff exceeds the carrying capacity of the combined sewers, causing overflows through outfalls to both the Willamette River and the Columbia Slough. These overflows have been deemed a significant source of pollution in both the slough and river. Currently, the City's combined sewers discharge an approximate average of over three billion gallons (down from six billion gallons when the CSO program began) annually into the Willamette River, of which about 20% is untreated sanitary sewage.

In September 1990, the bureau initiated an engineering study to characterize the CSO problem and to evaluate alternative methods for abating pollution attributable to CSO. In August 1991, the City signed a Stipulation and Final Order (SFO) with the State Environmental Quality Commission (EQC), which was a compliance order for the City to control its 55 CSO outfalls by the year 2011 and included interim milestones. The SFO mandated a 99.6% reduction in CSO volume but included language to allow revisiting that high level of control. In November 1993, the City undertook a collaborative process with extensive public involvement to determine the desirable level of CSO control. The results of this process was to maintain the 99.6% CSO reduction for the Columbia Slough, but lower the level of control (94% CSO reduction) for the Willamette River. This resulted in an Amended SFO (ASFO), signed in August 1994 by the City of Portland and the EQC.

Maintenance and Reliability

Projects within this program address major maintenance requirements of the sewerage collection system, including collector, trunk, and interceptor sewers. The City's sewerage collection and transportation system includes over 2,518 miles of sewer line ranging from four inches to 12 feet in diameter. Many of the largest pipes in the city's long established neighborhoods are reaching or exceeding 100 years in age.

In some areas of the city, a recurrence of basement flooding is a major problem creating health and environmental hazards as well as property damage. This program addresses those problems by utilizing a multi-objective approach: onsite drainage controls, street inflow controls, and up-sizing of undersized public facilities that are causing backups of sewage into basements.

Currently, funding is focused on rehabilitation/reconstruction of the most structurally deficient portions of the sewer collection system. A more accurate schedule and expenditure forecast will be developed when the Eastside Flow Control predesign, Integrated Watershed Plans, and all basin predesign studies are completed.

Sewage Treatment Systems

This program provides funding for projects located at the Columbia Boulevard (CBWTP) and Tryon Creek (TCWTP) wastewater treatment plants. Maintenance and repair/rehabilitation of the 96 pump stations located citywide are also included under this program.

Both treatment plants operate within the framework of the Federal Clean Water Act. The City's National Pollution Discharges Elimination System (NPDES) permit for each plant identifies specific requirements for removal of pollutants from wastewater before the treated effluent is discharged into the Columbia or Willamette River.

High priority is given to projects that provide operating efficiency, reliability, and longevity of the facilities. Most of these improvements include replacement and reconstruction of aging and unreliable plant pump station components. Projects that minimize odor from the CBWTP are also part of this program in accordance with a citizen-supported Council resolution.

The bureau continues to support the implementation of the CBWTP and TCWTP Facility Plans. Projects identified for both plants will be completed in time to meet the increasing demand due to growth and the completion of the Combined Sewer Overflow program.

Surface Water Management

Consistent with the bureau's mission, the primary objective of this program is to protect the quality of surface and ground waters by addressing watershed, health, and public safety concerns associated with flooding, stream erosion, and urban pollution.

Water quality and flood control projects are located in areas such as the Columbia Slough, Fanno Creek, Johnson Creek, and Tryon Creek. Projects are developed to meet the provisions of the Clean River Program adopted by Council in 1990, the Clean River Works Resolution adopted in 1995, and the Sustainable City Principles of 1995.

Projects include construction of Pollution Reduction Facilities (PRF), stream bank rehabilitation, installation of surface water filtering systems, and other innovative ways to improve water quality. In addition to addressing water quality issues, these projects also protect fish and wildlife habitat, and provide educational and recreational opportunities.

Systems Development

The main focus of this program is to expand the city's sewer collection system in support of the implementation of the 2040 plan. This program carries out the bureau's commitment to providing an efficient sewerage system to residents and businesses within the service area, to support new development, and to protect public health and the environment.

This program also includes other capital projects relating to sewer system expansion and development that do not fall under the scope of other Capital Improvement Plan areas.

Funding Sources

Planned CIP outlays total \$461.1 million (including inflation) over the five-year forecast interval FY 2004-05 through FY 2008-09. Based on current planning assumptions, the bureau's five-year CIP request will require \$525.5 million (nominal dollars) in additional borrowings over the five-year forecast interval. A brief description of the resources required to finance this requirement follows.

- ◆ **Fees, Charges, and Permits:** These include an estimate of reimbursements for engineering, administration, and construction management services charged to local improvement districts and for permit sewer construction. Also included are anticipated revenues from construction and/or engineering services for projects initiated by other local government agencies such as the City's Department of Transportation and the Port of Portland.
- ◆ **Line and Branch Charges:** These are in lieu of assessment and are used to support CIP outlays. Line and branch charges are received in the form of cash and proceeds from special assessment bonds issued for property owners who elect to finance their line and branch charges. Total revenues from these charges are projected to be approximately \$2.9 million over the five-year forecast interval.
- ◆ **System Development Charges (SDC):** SDC's are equity charges applied to properties at the time they connect to the sewer system. SDC's are based upon the total cost of major sewer facilities, less grant revenues, divided by system capacity. SDC revenues fund capital construction and debt service.
- ◆ **Cash Transfers from the Sewer System Operating Fund:** Current Sewer System Operating Fund net income from service fees and charges will also be used to fund CIP outlays. The availability of current income to fund CIP expenditures is the result of meeting debt service coverage requirements on outstanding bonds. For planning purposes, the bureau maintains a 1.50 coverage ratio and an ongoing reserve of 10% of operating expenses for unforeseen financial needs. After making debt service payments, funds in excess of those required for the 10% operating reserve are available to fund capital improvements. Cash transfers from the Operating Fund to the Construction Fund are projected to total \$76.5 million over the five-year forecast interval.
- ◆ **Bond Proceeds:** These are proceeds from the sale of Sewer System revenue bonds intended to support the CIP. Debt service requirements for future bond sales have been calculated assuming level debt service. Interim short term financing may be used in lieu of, or in combination with, long term financing. The forecast assumes an average annualized coupon rate of 6.5% from FY 2004-05 to FY 2008-09 with a 1.20 coverage requirement. As noted above, the bureau uses a 1.50 coverage ratio for planning purposes.
- ◆ **Investment Income:** This is investment or interest income earned on all Sewer System funds administered by the City Treasurer. Any investment income earned on balances within the Sewer System funds helps offset required increases in sewer user fees.
- ◆ **Beginning Fund Balances:** The last source of working capital in support of the CIP is the balance within the Sewer System funds projected to be available at the beginning of each fiscal year. An ongoing reserve of 15% of operating expenses is maintained for unforeseen financial needs. Two percent is maintained as a reserve in the Sewer System Operating Fund, with the remaining 13% maintained in the Sewer System Rate Stabilization Fund. Beginning Operating Fund balances in excess of the 2% reserve are made available to fund capital improvements. Beginning fund balances in the Construction Fund are also available to fund the bureau's CIP.

Major Projects by Program

Combined Sewer Overflow

- ◆ **The Westside Tunnel and Pump Station:** The West Willamette CSO control system will intercept existing outfalls along the west side of the Willamette River. It will convey flow in a 23,000-foot tunnel from a location near the Marquam Bridge to the Northwest Industrial area where it will cross under the Willamette River and end at a confluence structure and pump station on Swan Island.

The tunnel system will function as both a conveyance and a storage conduit for the West Willamette CSO control system. Along the tunnel route, a series of gravity conduits and drop structures will connect existing combined sewer outfalls to the tunnel. The tunnel will connect to a new 220-million gallons per day (mgd) Swan Island Pump Station. Force mains will transport flows from the pump station to existing conduits for delivery of flow to the Columbia Boulevard Wastewater Treatment Plant.

- ◆ **East Tunnel:** This project consists of approximately 31,000 lineal feet of tunnel ranging in diameter from 16 to 18 feet. The tunnel extends from the Insley Combined Sewer Basin to the south to the Riverside Basin in the north (Swan Island). This project is part of the Eastside CSO control program mandated by DEQ. The tunnel will collect, convey and store overflows from thirteen combined sewer basins on the east side of the Willamette. The tunnel will connect to a new CSO pump station at its downstream end, located on the southern end of Swan Island. The depth of the tunnel will vary along its length but may be in excess of 100 feet deep in places.
- ◆ **Tanner Creek Basin Stream Diversion:** Final phase of the program (Phase 3 - Sunset Highway) will begin construction in FY 2004-05 and will be completed in FY 2005-06. This project is for the design and construction of a stream diversion pipe in the Tanner Creek basin to divert stormwater from entering the combined sewer system, providing increased capacity for sanitary sewage. Much of the stormwater runoff comes from forested areas in the upper basin and is clean enough for direct discharge to the Willamette River. Removal of these clean water flows from the Tanner Creek combined sewer system will greatly reduce combined sewer overflows from the Tanner Creek basin.
- ◆ **CBWTP Influent Pump Station (IPS) Upgrade, Effluent Pump Station Upgrade, and CSO Improvements:** In order to accommodate CSO flows delivered by the new Swan Island Pump Station, various elements within the CBWTP must be modified and expanded prior to completion of the Westside CSO project in 2006. Completion of the above projects will provide separate dry weather and wet weather systems. Capacity of the IPS will be increased from 105 mgd to 135 mgd. Excess wet weather flow will be diverted to a modified screening facility and then released to the wet weather clarifiers. When completed, sustained peak influent flow at CBWTP will be increased to 341 mgd in 2006 and to 450 mgd in 2011.
- ◆ **Portsmouth Force Main:** This project provides a force main from the Swan Island Pump Station to the existing Portsmouth Tunnel for the purpose of transporting Eastside Tunnel CSO flows to the CBWTP beginning in 2011. The project consists of approximately 17,000 linear feet of 66-inch diameter force main. Approximately 6,000 linear feet will be installed in a 9-foot diameter tunnel about 110 feet deep. The remainder will be open-cut across Swan Island.

Maintenance & Reliability

- ◆ **Basement Flooding Relief and Reconstruction Program:** This program includes sub-projects in a five-year window that will be identified as part of the Basin Predesign program. This is a multi-year program to address capacity and structural problems throughout the combined sewer system. The combined basins are the oldest portions of the sewer system. There have been over 2,000 flooded basements reported in these basins since the mid-1970's. In recent times, the number of floodings is lower partly due to improvements made to the system, but also because of several years of drought. Since 1993, with the return of a more normal rain pattern, there has been a significant increase in flooded basements reported.

This program provides for reconstruction of existing pipes or for the addition of new relief sewer pipes and storage pipes. These areas are all identified in the Public Facilities Plan as needing relief. Within the five-year CIP, this program is anticipated to include the Taggart-A/Insley Relief, NW Central Business District Basin Phases 1-6, and other Combined Relief sub-projects.

- ◆ **Insley/Taggart "A" Relief and Reconstruction:** This project will provide an acceptable solution for the rehabilitation of the Insley and Taggart "A" Basin sewer system. The project will correct capacity problems and alleviate basement flooding, thereby reducing potential health and safety hazards. More than 300 flooded basements have been documented within the two basins, confirming conveyance capacity limitations. In this process the hydraulic capacity of the system will be augmented to meet the BES standard for a 25-year design storm.
- ◆ **NW Combined Sewer Relief:** This project combines NW basins Tanner B, Fremont, and Nicolai into one predesign effort. Driven by lack of capacity, the predesign will define the scope of needed improvements, develop alternatives to correct deficiencies, and offer design and construction projects in a phased prioritized approach for flexibility.
- ◆ **Taggart "D" Basin Separation:** The Taggart B, C, & D Basins Sewer Relief and Reconstruction Predesign Study recommended implementation of this project to correct system deficiencies and eliminate basement flooding throughout the 25-year storm in the Taggart "D" Basin. This basin is a 1432-acre area located within the East Willamette Watershed in southeast Portland. It is bordered by the Willamette River on the west, SE 65th Avenue on the east, SE Belmont Street on the north, and SE Powell Boulevard on the south. This level of protection will greatly reduce flood damage to homes and businesses and protect public health by reducing exposure to raw sewage.

Sewage Treatment Program

- ◆ **Pump Station Improvement Program:** This is a continuous program to repair the pump stations located all over the city. The program refurbishes or upgrades pump stations that are not in compliance with present codes, are not operating in a reliable manner, need improvements because of growth in the receiving sewage basin, and/or are over 20 years old and have out-of-date equipment. The City currently operates and maintains 96 pump stations. These stations require maintenance or need improvements to remain in compliance with present codes.

- ◆ **Treatment Facilities-Rehab & Modification:** This annual program funds major repairs in the treatment plants. The project is designed to protect capital investment and to enhance system reliability at the sewage treatment facilities. It also seeks to utilize best management practice to prevent probable violations of NPDES permits.

Both the Columbia and Tryon Creek treatment plants are major capital assets that require a substantial amount of investment every year for repair, rehabilitation and maintenance work. This project facilitates rapid and practical responses to replace capital equipment and upgrade aging facilities.

Surface Water Management

- ◆ **Alsop-Brownwood:** The Alsop-Brownwood site contains approximately 51 acres of undeveloped land on the main stem of Johnson Creek. This project site is located in the lower Powell Butte Target area from SE 158th Avenue to Circle Drive. Several properties originally under separate ownership make up the project site.

The project will address flooding and water quality problems in the Johnson Creek area. Improvements include flood storage to reduce flooding and reconnection of wetlands to provide better habitat for fish and wildlife. Grant funds will be required to complete this project.

- ◆ **Johnson Creek Restoration Program:** This project implements the recommendations of the Johnson Creek Restoration Plan. The plan identifies a number of projects to mitigate flooding and improve water quality and fish and wildlife habitat. This project includes the necessary actions, by the bureau, to implement the recommendations of the plan (such as land acquisition, predesign, design, and construction related activities).
- ◆ **Slough Infrastructure: Corps Grant Projects:** This project will provide matching funds for capital projects that would improve the water quality and wildlife habitat of the Columbia Slough. The project was initiated in FY 1995-96, in response to a grant from the U.S. Army Corps of Engineers (ACOE) 1135 Program for revitalization of four miles of the Lower Columbia Slough.
- ◆ **Fanno Creek WQ:** This project has two reaches of stream stabilization and stream bank restoration (approximately 6,600 lineal feet), which have been identified in the Public Facilities Plan. The project areas are Shattuck Road to 45th Avenue and SW 45th to SW 39th. The project predesign was completed in July 1999, and a report was prepared in accordance with established CIP Management Procedures.

The major components of the project include stream bank and bed stabilization and re-grading, velocity reduction in-stream measures, and improved wetland and riparian habitat. The components of this project will result in natural resource and habitat improvements. Implementation of this project would be an important component in meeting Tualatin Basin Total Maximum Daily Load (TMDL) requirements. The first phase of construction was completed in the prior year.

Systems Development

- ◆ **South Airport Sanitary Trunk Sewer:** Construction will proceed through FY 2004-05. This project will provide design and construction of sanitary trunk sewers to serve the subject basin. The project basin area is approximately 1,300 acres in NE Portland near Columbia Boulevard, from 42nd Avenue to Colwood Way, and includes a large area at the airport.

- **Commercial/Industrial/Residential Sanitary Sewer Extension Program:** The primary objective of this program is to make sanitary sewers available to commercial/ industrial/ residential zones that have been at least partially developed, use onsite septic systems, and are not able to construct new onsite systems within Oregon Department of Environmental Quality (DEQ) regulations due to locations or land constraints. This program seeks to construct infrastructure to allow properties to obtain sanitary sewer service when needed and thus prevent creation of public health hazards.

**Net Operating and
Maintenance Costs or
Savings**

When applicable, the operating and maintenance (O&M) costs or savings for a given project were extracted on the Project Request Form. The basis for the estimates depended upon the type of expected impact. The four major components of treatment plant O & M are labor, energy, chemicals, and materials. Energy and chemicals are more easily predicted. The equipment projected for installation has design parameters that more clearly dictate the resource demands. If there were a direct labor application that will have changed as a result of a project, that estimate would be accurate. However, labor and material costs are more commonly based on experienced estimates with similar projects and facilities from either the City of Portland or others.

Environmental Remediation Fund

CAPITAL OVERVIEW

CIP Highlights

The capital budget includes a continuing project to remediate contamination from the Longview City Laundry & Cleaners (LCL&C) site near Guilds Lake in northwest Portland. The capital project is budgeted at \$325,000 for FY 2004-05. The project was initially scheduled for FY 2003-04, but has been carried over to the current year.

Major Issues

City Council authorized remediation of the LCL&C site in 1994 as part of a settlement agreement between the City and LCL&C. That agreement required the City to clean up contamination problems at the LCL&C site. The contamination issues resulted from the City's former incinerator and landfill operations in the Guilds Lake area.

CAPITAL PROGRAMS AND PROJECTS

Funding Sources

The Environmental Remediation Fund leases property at the former landfill site. Lease income supports the fund and any capital projects it undertakes.

Major Projects by Program

The single project is to construct an asphalt cap and install utilities to manage surface water runoff at the LCL&C site. The budget includes \$325,000 for capital construction and \$40,000 for project design and management.

	Revised	Adopted	Capital Plan					5-Year
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	Total

Combined Sewer Overflow

Sellwood - Separation

Area: SE

Objective(s): Mandated

Project Description

Sellwood Basin - CSO cornerstone project, eastern bank of Willamette River at southern boundary of combined service area. Project objective is to separate local sewer flows to eliminate CSOs from 3 outfalls. Preliminary efforts include sump systems and roof drain disconnection.

Funding Sources

BES Permit Fees and Charges	0	0	0	0	0	0	1,067	1,067
Other Financing (Internal)	0	0	0	0	0	0	2,970	2,970
BES Rates	0	0	0	0	0	0	18,575	18,575
Sewer Capital Fund	0	0	0	0	0	0	112,388	112,388
Total Funding Sources	0	0	0	0	0	0	135,000	135,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	0	135,000	135,000
Total Project Costs	0	0	0	0	0	0	135,000	135,000

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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CBWPT Influent Pump Station Upgrade

Area: N

Objective(s): Mandated

Project Description

Upgrade the CBWPT Influent Pump Station from 105 MGD to 135 MGD capacity.

Funding Sources

BES Permit Fees and Charges	0	2,512	18,960	1,975	0	0	0	20,935
Other Financing (Internal)	0	6,996	52,800	5,500	0	0	0	58,300
BES Rates	0	43,757	330,240	34,400	0	0	0	364,640
Sewer Capital Fund	0	264,735	1,998,000	208,125	0	0	0	2,206,125
Total Funding Sources	0	318,000	2,400,000	250,000	0	0	0	2,650,000

Project Costs

Design/Project Mgmt	0	18,000	0	0	0	0	0	0
Construction/Equipment	0	300,000	2,400,000	250,000	0	0	0	2,650,000
Total Project Costs	0	318,000	2,400,000	250,000	0	0	0	2,650,000

Oper & Maint Costs

0	0	0	37,500	75,000	75,000	75,000	262,500
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Westside CSO Tunnel & Swan Island Pump Station

Area: All

Objective(s): Mandated

Project Description

This project is an element of the West Side Willamette River CSO Abatement Program. The project consists of approximately 20,000 lineal feet of soft ground tunnel approximately ranging in diameter from 10 to 14 feet with a depth between 50 to 70 feet below the ground surface. The project begins near the Marquam Bridge on the south end and terminates at the proposed NW CSO Pump on the north end (approximately 26th & Front Avenue/Naito Parkway).

Funding Sources

BES Rates	0	14,840,903	12,909,081	7,435,178	2,313,106	0	0	22,657,365
Other Financing (Internal)	1,062,523	2,372,819	2,063,952	1,188,764	369,828	0	0	3,622,544
BES Permit Fees and Charges	17,837,832	852,056	741,146	426,874	132,802	0	0	1,300,822
Sewer Capital Fund	33,421,727	89,789,615	78,101,818	44,983,906	13,994,629	0	0	137,080,354
Total Funding Sources	52,322,082	107,855,393	93,815,997	54,034,722	16,810,365	0	0	164,661,085

Project Costs

Construction/Equipment	52,322,082	107,855,393	93,815,998	54,034,722	16,810,365	0	0	164,661,085
Total Project Costs	52,322,082	107,855,393	93,815,998	54,034,722	16,810,365	0	0	164,661,085

Oper & Maint Costs	0	0	2,500	212,500	1,717,500	1,793,540	1,907,140	5,633,180
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Capital Improvement Plan — Public Utilities
Bureau of Environmental Services

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
CBWTP Waste Water Headworks								
								N
								Mandated
Project Description								
Design and construction of a 150 mgd wet weather screening facility including modification of the CBWTP inlet structure, installation of a wet weather influent diversion structure, modification of the wet weather primary influent pipelines, and control modifications.								
Funding Sources								
BES Permit Fees and Charges	0	0	7,616	10,452	1,975	0	395	20,438
Other Financing (Internal)	0	0	21,208	29,106	5,500	0	1,100	56,914
BES Rates	0	0	132,646	182,045	34,400	0	6,880	355,971
Sewer Capital Fund	0	0	802,530	1,101,397	208,125	0	41,625	2,153,677
Total Funding Sources	0	0	964,000	1,323,000	250,000	0	50,000	2,587,000
Project Costs								
Design/Project Mgmt	0	0	50,000	0	0	0	50,000	100,000
Construction/Equipment	0	0	914,000	1,323,000	250,000	0	0	2,487,000
Total Project Costs	0	0	964,000	1,323,000	250,000	0	50,000	2,587,000
Oper & Maint Costs	0	0	0	50,000	125,000	125,000	125,000	425,000
East Tunnel								
								E
								Mandated
Project Description								
Project to design and construct the east side conveyance and storage tunnels.								
Funding Sources								
BES Rates	0	368,080	688,000	963,200	4,265,600	12,384,000	16,512,000	34,812,800
Other Financing (Internal)	54,810	58,850	110,000	154,000	682,000	1,980,000	2,640,000	5,566,000
BES Permit Fees and Charges	920,160	2,226,938	39,500	55,300	244,900	711,000	948,000	1,998,700
Sewer Capital Fund	1,725,030	0	4,162,500	5,827,500	25,807,500	74,925,000	99,900,000	210,622,500
Total Funding Sources	2,700,000	2,675,000	5,000,000	7,000,000	31,000,000	90,000,000	120,000,000	253,000,000
Project Costs								
Construction/Equipment	0	0	0	2,000,000	30,000,000	90,000,000	120,000,000	242,000,000
Design/Project Mgmt	0	575,000	3,000,000	3,000,000	1,000,000	0	0	7,000,000
Site Acquisition	700,000	0	2,000,000	2,000,000	0	0	0	4,000,000
Planning	2,000,000	2,100,000	0	0	0	0	0	0
Total Project Costs	2,700,000	2,675,000	5,000,000	7,000,000	31,000,000	90,000,000	120,000,000	253,000,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Carolina Basin Stream Diversion								
								SW
								Mandated
Project Description								
Project to separate stream and stormwater from combined sewer system, treat and convey it through a new network of pipes to the Willamette River. This project is part of the Willamette CSO Program and will relieve the existing combined sewer system, thereby reducing overflows from the combined sewer to the Willamette River.								
Funding Sources								
BES Rates	0	0	0	0	68,800	344,000	412,800	825,600
Other Financing (Internal)	10,150	0	0	0	11,000	55,000	66,000	132,000
BES Permit Fees and Charges	170,400	0	0	0	3,950	19,750	23,700	47,400
Sewer Capital Fund	319,450	0	0	0	416,250	2,081,250	2,497,500	4,995,000
Total Funding Sources	500,000	0	0	0	500,000	2,500,000	3,000,000	6,000,000
Project Costs								
Planning	0	0	0	0	0	0	0	6,000,000
Construction/Equipment	0	0	0	0	0	0	3,000,000	3,000,000
Design/Project Mgmt	500,000	0	0	0	500,000	2,500,000	0	3,000,000
Total Project Costs	500,000	0	0	0	500,000	2,500,000	3,000,000	6,000,000
Oper & Maint Costs	0	0	0	0	0	0	12,800	12,800

Capital Improvement Plan — Public Utilities
Bureau of Environmental Services

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	Total

Columbia Slough WWTF

Area: N
Objective(s) Mandated

Project Description

The CBWWTF project consists of new primary clarifiers, modifications of existing effluent pump station and existing primary clarifiers, new dechlorination facility, expansion of existing chlorination facility, and environmental enhancements.

Funding Sources

BES Permit Fees and Charges	0	16,195	29,882	11,060	0	0	0	40,942
Other Financing (Internal)	0	45,100	83,216	30,800	0	0	0	114,016
BES Rates	0	282,080	520,477	192,640	0	0	0	713,117
Sewer Capital Fund	0	1,706,625	3,148,958	1,165,500	0	0	0	4,314,458
Total Funding Sources	0	2,050,000	3,782,533	1,400,000	0	0	0	5,182,533

Project Costs

Design/Project Mgmt	0	50,000	0	0	0	0	0	0
Construction/Equipment	0	2,000,000	3,782,533	1,400,000	0	0	0	5,182,533
Total Project Costs	0	2,050,000	3,782,533	1,400,000	0	0	0	5,182,533

Oper & Maint Costs	0	0	0	101,000	101,000	101,000	101,000	404,000
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Tanner Creek Basin Stream Diversion

Area: NW
Objective(s) Mandated

Project Description

Ten miles of new stormwater pipeline will be constructed through the Tanner Creek Stream Diversion Project to remove surface water from the combined sewer system. The new pipeline will extend from the top of the Tanner Creek Basin, near the Washington Park Zoo, and from the top of the Nicolai Basin, near West Burnside and Barnes Road, to the Willamette River.

Funding Sources

BES Permit Fees and Charges	0	12,882	41,536	23,977	0	0	0	65,513
Other Financing (Internal)	0	35,873	115,669	66,770	0	0	0	182,439
BES Rates	0	224,372	723,460	417,616	0	0	0	1,141,076
EPA	0	521,795	1,682,464	971,200	0	0	0	2,653,664
Federal Grants	2,795,200	0	0	0	0	0	0	0
Sewer Capital Fund	5,939,800	835,687	2,694,571	1,555,437	0	0	0	4,250,008
Total Funding Sources	8,735,000	1,630,610	5,257,700	3,035,000	0	0	0	8,292,700

Project Costs

Site Acquisition	0	0	1,700	0	0	0	0	1,700
Design/Project Mgmt	28,677	0	4,000	0	0	0	0	4,000
Construction/Equipment	8,706,323	1,630,610	5,252,000	3,035,000	0	0	0	8,287,000
Total Project Costs	8,735,000	1,630,610	5,257,700	3,035,000	0	0	0	8,292,700

Oper & Maint Costs	0	0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	
California Pump Station Upgrade								
								SW
								Mandated
Project Description								
California Pump Station is located on SW California Street between SW Macadam and Virginia Street. The purpose of the project is to increase the pumping capacity from 500gpm to 5400gpm and to bring the critical systems of the station into conformance with current codes and standards.								
Funding Sources								
BES Rates	0	124,252	94,806	0	0	0	0	94,806
Other Financing (Internal)	6,455	19,866	15,158	0	0	0	0	15,158
BES Permit Fees and Charges	108,374	7134	5,443	0	0	0	0	5,443
Sewer Capital Fund	203,171	751,748	573,593	0	0	0	0	573,593
Total Funding Sources	318,000	903,000	689,000	0	0	0	0	689,000
Project Costs								
Construction/Equipment	77,000	700,000	689,000	0	0	0	0	689,000
Planning	83,000	18,000	0	0	0	0	0	0
Design/Project Mgmt	158,000	185,000	0	0	0	0	0	0
Total Project Costs	318,000	903,000	689,000	0	0	0	0	689,000
Oper & Maint Costs	0	0	11,500	750	23,750	23,750	23,750	83,500
Portsmouth Force Main								
								NW
								Mandated
Project Description								
This project provides the force main from the Swan Island Pump Station to the Portsmouth Tunnel for East Side CSO flows. The pre-design evaluation identified four alignments between the pump station and the Portsmouth tunnel. The preferred alignment consists of approximately 17,000 LF of 66" diameter force main. Approximately 6,000 LF will be installed in a 9-ft diameter tunnel about 110' deep. The remainder will be open-cut construction acrossed Swan Island through industrial areas with high traffic loads.								
Funding Sources								
BES Permit Fees and Charges	0	395	9,875	10,270	10,270	790	79,000	110,205
Other Financing (Internal)	0	1,100	27,500	28,600	28,600	2,200	220,000	306,900
BES Rates	0	6,880	172,000	178,880	178,880	13,760	1,376,000	1,919,520
Sewer Capital Fund	0	41,625	1,040,625	1,082,250	1,082,250	83,250	8,325,000	11,613,375
Total Funding Sources	0	50,000	1,250,000	1,300,000	1,300,000	100,000	10,000,000	13,950,000
Project Costs								
Construction/Equipment	0	0	0	0	0	0	10,000,000	10,000,000
Design/Project Mgmt	0	50,000	1,250,000	1,300,000	1,300,000	100,000	0	3,950,000
Total Project Costs	0	50,000	1,250,000	1,300,000	1,300,000	100,000	10,000,000	13,950,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
CBWTP Primary Treatment Expansion								
								N
								Mandated
Project Description								
This is a future project to add a fourth dry weather primary clarifier and all of the attendant appurtenant facilities.								
Funding Sources								
BES Permit Fees and Charges	0	0	0	3,950	2,481	0	22,120	28,551
Other Financing (Internal)	0	0	0	11,000	6,908	0	61,600	79,508
BES Rates	0	0	0	68,800	43,206	0	385,280	497,286
Sewer Capital Fund	0	0	0	416,250	261,405	0	2,331,000	3,008,655
Total Funding Sources	0	0	0	500,000	314,000	0	2,800,000	3,614,000
Project Costs								
Construction/Equipment	0	0	0	0	0	0	2,800,000	2,800,000
Design/Project Mgmt	0	0	0	500,000	314,000	0	0	814,000
Total Project Costs	0	0	0	500,000	314,000	0	2,800,000	3,614,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities
Bureau of Environmental Services

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		

Maintenance & Reliability

Taggart B, C, & D Basins R&R

Area: SE

Objective(s) Mandated

Project Description

This project will address the basement flooding problems and correct the combined sewer deficiencies within the Taggart B, C, & D basins as identified in the BES Public Facilities Plan (PFP). The project will improve conveyance by replacing or rehabilitating approximately 92,000 linear feet of combined sewer pipe and provide in-line storage with a proposed 13-foot diameter, 875-foot long storage facility. Completion of the entire project will allow design and construction to be phased over ten years to meet the east side ASFO implementation scheduled completion date of December 1, 2011.

Funding Sources

BES Rates	0	963	0	0	0	54,077	448,920	502,997
Other Financing (Internal)	48,720	154	0	0	0	8,646	71,775	80,421
BES Permit Fees and Charges	817,920	55	0	0	0	3,105	25,774	28,879
Sewer Capital Fund	1,533,360	5,827	0	0	0	327,172	2,716,031	3,043,203
Total Funding Sources	2,400,000	7,000	0	0	0	393,000	3,262,500	3,655,500

Project Costs

Planning	0	0	0	0	0	35,000	0	35,000
Design/Project Mgmt	0	0	0	0	0	358,000	162,500	520,500
Construction/Equipment	2,400,000	7,000	0	0	0	0	3,100,000	3,100,000
Total Project Costs	2,400,000	7,000	0	0	0	393,000	3,262,500	3,655,500

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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Taggart Sewer Rehabilitation

Area: SE

Objective(s) Maintenance

Project Description

This project will address the basement flooding problems and correct the combined sewer deficiencies within the Taggart B, C, & D basins as identified in the BES Public Facilities Plan (PFP). The project includes the SE Insley & 50th Sewer Rehabilitation project and the SE Lafayette & 22nd Sewer Rehabilitation project.

Funding Sources

BES Permit Fees and Charges	0	0	0	356	4,084	40	0	4,480
Other Financing (Internal)	0	0	0	990	11,374	110	0	12,474
BES Rates	0	0	0	6,192	71,139	688	0	78,019
Sewer Capital Fund	0	0	0	37,462	430,403	4,162	0	472,029
Total Funding Sources	0	0	0	45,000	517,000	5,000	0	567,000

Project Costs

Construction/Equipment	0	0	0	0	517,000	5,000	0	522,000
Planning	0	0	0	14,000	0	0	0	14,000
Design/Project Mgmt	0	0	0	31,000	0	0	0	31,000
Total Project Costs	0	0	0	45,000	517,000	5,000	0	567,000

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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	Revised		Adopted		Capital Plan			
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year Total
NW Combination Sewer Relief								
							Area:	NW
							Objective(s)	Mandated
Project Description								
Four basins are combined into one project for predesign, which will evaluate the effectiveness of recent improvements under the Tanner Creek separation projects. Driven by lack of capacity, the predesign will define the scope of needed improvements, develop alternatives to correct deficiencies, and offer design and construction schedules.								
Funding Sources								
BES Rates	0	206,400	0	68,800	68,800	68,800	412,800	619,200
Other Financing (Internal)	3,070	33,000	0	11,000	11,000	11,000	66,000	99,000
BES Permit Fees and Charges	51,540	11,850	0	3,950	3,950	3,950	23,700	35,550
Sewer Capital Fund	96,620	1,248,750	0	416,250	416,250	416,250	2,497,500	3,746,250
Total Funding Sources	151,230	1,500,000	0	500,000	500,000	500,000	3,000,000	4,500,000
Project Costs								
Construction/Equipment	0	0	0	0	0	0	3,000,000	3,000,000
Design/Project Mgmt	0	0	0	500,000	500,000	500,000	0	1,500,000
Planning	151,230	1,500,000	0	0	0	0	0	0
Total Project Costs	151,230	1,500,000	0	500,000	500,000	500,000	3,000,000	4,500,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Sullivan/Stark/Holladay Predesign								
							Area:	E
							Objective(s)	Maintenance
Project Description								
This is the overall project number for the Sullivan, Holladay and Stark basin relief project. Funds will reside in this number until moved to specific phases of the project as the work progresses.								
Funding Sources								
BES Permit Fees and Charges	0	4,013	23,180	52,187	0	0	332	75,699
Other Financing (Internal)	0	11,174	64,552	145,330	0	0	924	210,806
BES Rates	0	69,889	403,740	908,974	0	0	5,779	1,318,495
Sewer Capital Fund	0	422,841	2,442,695	5,499,423	0	0	34,965	7,977,083
Total Funding Sources	0	507,917	2,934,167	6,605,914	0	0	42,000	9,582,081
Project Costs								
Construction/Equipment	0	0	2,529,085	6,605,914	0	0	0	9,134,999
Planning	0	208,000	0	0	0	0	42,000	42,000
Design/Project Mgmt	0	299,917	405,082	0	0	0	0	405,082
Total Project Costs	0	507,917	2,934,167	6,605,914	0	0	42,000	9,582,081
Oper & Maint Costs	0	0	0	0	0	0	0	0
Sullivan Sewer Rehabilitation								
							Area:	All
							Objective(s)	Maintenance
Project Description								
This project is for the replacement or structural rehabilitation of 580 feet of existing 72 inch x 72 inch reinforced concrete pipe in Sullivan Gulch in the vicinity of NE 17th Avenue and NE Holladay/Multnomah Streets. This pipe is known as the Sullivan Gulch trunkline. It is a basket-handle conduit that is buried deep along the old north embankment of the Sullivan Gulch.								
Funding Sources								
BES Rates	0	4,128	75,680	0	0	0	0	75,680
Other Financing (Internal)	4,161	660	12,100	0	0	0	0	12,100
BES Permit Fees and Charges	69,864	237	4,345	0	0	0	0	4,345
Sewer Capital Fund	130,975	24,975	457,875	0	0	0	0	457,875
Total Funding Sources	205,000	30,000	550,000	0	0	0	0	550,000
Project Costs								
Construction/Equipment	100,000	0	550,000	0	0	0	0	550,000
Design/Project Mgmt	105,000	30,000	0	0	0	0	0	0
Total Project Costs	205,000	30,000	550,000	0	0	0	0	550,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities
Bureau of Environmental Services

PROJECT DETAIL

		Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		
Insley/Taggart A Basin R&R									
Area:									SE
Objective(s)									Maintenance
Project Description									
This project will provide an acceptable solution for the rehabilitation of the Insley and Taggart "A" Basin sewer system that will alleviate basement flooding. The hydraulic capacity of the system will be augmented to convey the BES standard 25-year design storm.									
Funding Sources									
BES Rates	1,405,833	469,545	262,128	0	0	0	962	263,090	
Other Financing (Internal)	224,770	75,073	41,910	0	0	0	154	42,064	
BES Permit Fees and Charges	80,713	26,959	15,050	0	0	0	55	15,105	
Sewer Capital Fund	8,505,497	2,840,816	1,585,913	0	0	0	5,819	1,591,732	
Total Funding Sources	10,216,813	3,412,391	1,905,000	0	0	0	6,990	1,911,990	
Project Costs									
Site Acquisition	8,706,323	0	0	0	0	0	6,990	2,461,991	
Design/Project Mgmt	101,800	100,000	0	0	0	0	0	0	
Construction/Equipment	1,408,690	3,312,391	1,905,000	0	0	0	0	1,905,000	
Total Project Costs	10,216,813	3,412,391	1,905,000	0	0	0	6,990	1,911,990	
Oper & Maint Costs	0	0	0	1,464	1,464	3,064	3,064	9,056	
Lents 1 & 2 Sewer Basin Predesign									
Area:									SE
Objective(s)									Mandated
Project Description									
This project is a predesign study for Lents Basins 1 & 2. These two basins are combined sewer basins located in the Johnson Cr watershed in SE Portland. This Project was identified in the BES Public Facilities Plan (1999) as well as the Combined Sewer Overflow Management Plan. Its purpose is to develop actions that will reduce basement flooding and control CSO at Outfall No 27.									
Funding Sources									
BES Permit Fees and Charges	0	1,422	0	3,950	7,900	0	15,800	27,650	
Other Financing (Internal)	0	3,960	0	11,000	22,000	0	44,000	77,000	
BES Rates	0	24,768	0	68,800	137,600	0	275,200	481,600	
Sewer Capital Fund	0	149,850	0	416,250	832,500	0	1,665,000	2,913,750	
Total Funding Sources	0	180,000	0	500,000	1,000,000	0	2,000,000	3,500,000	
Project Costs									
Construction/Equipment	0	0	0	0	0	0	2,000,000	2,000,000	
Design/Project Mgmt	0	0	0	500,000	1,000,000	0	0	1,500,000	
Planning	0	180,000	0	0	0	0	0	0	
Total Project Costs	0	180,000	0	500,000	1,000,000	0	2,000,000	3,500,000	
Oper & Maint Costs	0	0	0	0	0	0	0	0	
Wheeler Structural Rehabilitation									
Area:									NE
Objective(s)									Maintenance
Project Description									
The BES Public Facilities Plan (July 1999) identified the Wheeler Basin as having a high amount of system deficiencies, including a large number of basement flooding events, and significant hydraulic capacity problems. Of critical structural and operational concern requiring maintenance is the 62-inch brick trunkline just downstream of the diversion structure. This is the pipe reach proposed for structural rehabilitation.									
Funding Sources									
BES Rates	0	89,440	82,560	0	0	0	0	82,560	
Other Financing (Internal)	3,248	14,300	13,200	0	0	0	0	13,200	
BES Permit Fees and Charges	54,528	5,135	4,740	0	0	0	0	4,740	
Sewer Capital Fund	102,224	541,125	499,500	0	0	0	0	499,500	
Total Funding Sources	160,000	650,000	600,000	0	0	0	0	600,000	
Project Costs									
Construction/Equipment	40,000	650,000	600,000	0	0	0	0	600,000	
Design/Project Mgmt	120,000	0	0	0	0	0	0	0	
Total Project Costs	160,000	650,000	600,000	0	0	0	0	600,000	
Oper & Maint Costs	0	0	0	0	0	0	0	0	

Capital Improvement Plan — Public Utilities
Bureau of Environmental Services

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Taylor Trunk Relief								
								Area: SW
								Objective(a) Maintenance
Project Description								
This project would increase the existing Taylor Trunk Sewer from 30 to 36 inches in diameter along SW Multnomah Boulevard between SW 22nd Avenue and SW 31st Avenue. The existing trunk in this area averages about 18 feet in depth from the crown to the ground surface.								
Funding Sources								
BES Rates	0	151,360	82,560	0	0	0	0	82,560
Other Financing (Internal)	19,325	24,200	13,200	0	0	0	0	13,200
BES Permit Fees and Charges	324,443	8,690	4,740	0	0	0	0	4,740
Sewer Capital Fund	608,232	915,750	499,500	0	0	0	0	499,500
Total Funding Sources	952,000	1,100,000	600,000	0	0	0	0	600,000
Project Costs								
Construction/Equipment	952,000	1,100,000	600,000	0	0	0	0	600,000
Total Project Costs	952,000	1,100,000	600,000	0	0	0	0	600,000
Oper & Maint Costs	0	0	0	0	770	770	770	2,310
Maintenance Capital-Construction								
								Area: All
								Objective(s) Maintenance
Project Description								
This is an ongoing capital project which supports normal Maintenance Bureau repairs or rehabilitation of existing sewer pipes in response to structural or hydraulic capacity deficiencies in the sewer system. The sewage and drainage collection systems develop structural and capacity problems as development occurs and the system ages.								
Funding Sources								
BES Rates	0	56,003	42,243	28,483	14,723	14,723	14,723	114,895
Other Financing (Internal)	10,292	8,954	6,754	4,554	2,354	2,354	2,354	18,370
BES Permit Fees and Charges	172,786	32,153	2,425	1,635	845	845	845	6,595
Sewer Capital Fund	323,922	338,828	255,578	172,328	89,078	89,078	89,078	695,140
Total Funding Sources	507,000	407,000	307,000	207,000	107,000	107,000	107,000	835,000
Project Costs								
Design/Project Mgmt	0	7,000	7,000	7,000	7,000	7,000	7,000	35,000
Construction/Equipment	507,000	400,000	300,000	200,000	100,000	100,000	100,000	800,000
Total Project Costs	507,000	407,000	307,000	207,000	107,000	107,000	107,000	835,000
Oper & Maint Costs	0	0	24,000	30,000	36,000	36,000	36,000	162,000
Maintenance Capital-Contract								
								Area: All
								Objective(s) Maintenance
Project Description								
The Maintenance Capital - Contract project supports privately contracted maintenance repair and reconstruction projects throughout the collection system. Due to the age of much of our inventory, structural failures, or near failures, localized flooding, and hydraulic capacity problems often occur during the year. Many of these are discovered through our routine TV sewer inspection program.								
Funding Sources								
BES Rates	0	206,400	358,448	209,290	209,152	220,160	220,160	1,217,210
Other Financing (Internal)	20,300	33,000	57,310	33,462	33,440	35,200	35,200	194,612
BES Permit Fees and Charges	340,800	118,500	20,580	12,016	12,008	12,640	12,640	69,884
Sewer Capital Fund	638,900	1,248,750	2,168,663	1,266,232	1,265,400	1,332,000	1,332,000	7,364,296
Total Funding Sources	1,000,000	1,500,000	2,605,000	1,521,000	1,520,000	1,600,000	1,600,000	8,846,000
Project Costs								
Design/Project Mgmt	107,802	0	105,000	21,000	20,000	0	0	146,000
Construction/Equipment	892,198	1,500,000	2,500,000	1,500,000	1,500,000	1,600,000	1,600,000	8,700,000
Total Project Costs	1,000,000	1,500,000	2,605,000	1,521,000	1,520,000	1,600,000	1,600,000	8,846,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Western Half Lents 1 Separation								
								Area: SE
								Objective(s) Mandated
Project Description								
Project to construct a new storm-only system to service the western half of the Lents I Basin, on the eastern bank of the Willamette River, at the southern boundary of the combined sewer service area. Purpose: to separate the combined sewer (the existing system will serve as a sanitary system).								
Funding Sources								
BES Rates	0	0	0	0	0	0	17,448	17,448
Other Financing (Internal)	1,218	0	0	0	0	0	2,790	2,790
BES Permit Fees and Charges	20,448	0	0	0	0	0	1,002	1,002
Sewer Capital Fund	38,334	0	0	0	0	0	105,560	105,561
Total Funding Sources	60,000	0	0	0	0	0	126,800	126,800
Project Costs								
Design/Project Mgmt	60,000	0	0	0	0	0	126,800	126,800
Total Project Costs	60,000	0	0	0	0	0	126,800	126,800
Oper & Maint Costs	0	0	0	0	6,400	6,400	6,400	19,200
Taggart D Basin Sewer Separation								
								Area: SE
								Objective(s) Mandated
Project Description								
The Taggart B, C, & D Basins Sewer Relief and Reconstruction Predesign Study (#6067) recommends implementation of this project to correct system deficiencies and eliminate basement flooding through a 25-year storm in the Taggart "D" Basin..								
Funding Sources								
BES Permit Fees and Charges	0	0	3,950	6,452	102,687	61,532	72,720	247,341
Other Financing (Internal)	0	0	11,000	17,967	285,963	171,356	202,510	688,796
BES Rates	0	0	68,800	112,378	1,788,566	1,071,753	1,266,608	4,308,105
Sewer Capital Fund	0	0	416,250	679,903	10,821,084	6,484,259	7,663,162	26,064,658
Total Funding Sources	0	0	500,000	816,700	12,998,300	7,788,900	9,205,000	31,308,900
Project Costs								
Construction/Equipment	0	0	0	0	11,673,000	6,940,400	9,200,000	31,328,102
Site Acquisition	0	0	0	15,000	10,000	5,000	0	30,000
Design/Project Mgmt	0	0	0	646,200	1,050,300	843,500	5,000	2,545,000
Planning	0	0	500,000	155,500	265,000	0	0	920,500
Total Project Costs	0	0	500,000	816,700	12,998,300	7,788,900	9,205,000	31,308,900
Oper & Maint Costs	0	0	0	0	0	0	1,375	1,375
H/S/S Inflow Control								
								Area: NE
								Objective(s) Mandated
Project Description								
This project will fund 5 individual inflow projects based on technical feasibility and overall costs and benefits. These projects will relieve the risk of basement floodings at 138 properties.								
Funding Sources								
BES Permit Fees and Charges	0	787	1,376	1,972	1,000	0	0	4,348
Other Financing (Internal)	0	2,191	3,833	5,492	2,784	0	0	12,109
BES Rates	0	13,704	23,972	34,353	17,412	0	0	75,737
Sewer Capital Fund	0	82,909	145,030	207,841	105,342	0	0	458,215
Total Funding Sources	0	99,591	174,211	249,658	126,540	0	0	550,407
Project Costs								
Construction/Equipment	0	0	123,803	249,658	126,538	0	0	499,999
Design/Project Mgmt	0	49,591	50,408	0	0	0	0	50,408
Planning	0	50,000	0	0	0	0	0	0
Total Project Costs	0	99,591	174,211	249,658	126,538	0	0	550,407
Oper & Maint Costs	0	0	0	0	0	0	0	0

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	Revised	Adopted	Capital Plan					5-Year
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	Total
Stormwater Residuals								
								N
								Objective(s) Replacement
Project Description								
This project will upgrade an underutilized 2-acre site at the west end of the CBWTP to provide a facility for process residuals removed from ditches, trashracks, and other surface stormwater facilities. The pavement and drainage systems will be rehabilitated to accommodate heavy equipment and run-off from surface stormwater facilities residuals stored on site.								
Funding Sources								
BES Permit Fees and Charges	0	729	896	0	0	0	0	896
Other Financing (Internal)	0	2,029	2,495	0	0	0	0	2,495
BES Rates	0	12,690	15,605	0	0	0	0	15,605
Sewer Capital Fund	0	76,779	94,413	0	0	0	0	94,413
Total Funding Sources	0	92,227	113,409	0	0	0	0	113,409
Project Costs								
Planning	0	3,669	0	0	0	0	0	0
Design/Project Mgmt	0	33,457	0	0	0	0	0	0
Construction/Equipment	0	55,101	113,409	0	0	0	0	113,409
Total Project Costs	0	92,227	113,409	0	0	0	0	113,409
Oper & Maint Costs	0	0	60,000	470,000	470,000	470,000	470,000	1,940,000
Sewage Treatment Systems								
CBWTP Aeration Basin Repairs								
								N
								Objective(s) Maintenance
Project Description								
This project will stop the deterioration of the walls interior surfaces at the aeration basin located at the Columbia Boulevard Wastewater Treatment Plant (CBWTP), by repairing cracks in the concrete walls and deteriorated expansion joints, and to stop deterioration of the concrete by applying a waterproof membrane to the interior of the structure. The aeration basin structure consists of two sets of four tanks, which are nominally 20 feet deep, by 40 feet wide, by 400 feet long. The structure was put into service in 1972.								
Funding Sources								
BES Rates	0	16,512	16,512	18,232	0	0	0	34,744
Other Financing (Internal)	2,436	2,640	2,640	2,915	0	0	0	5,555
BES Permit Fees and Charges	40,896	9,480	948	1,047	0	0	0	1,995
Sewer Capital Fund	76,668	99,900	99,900	110,306	0	0	0	210,206
Total Funding Sources	120,000	120,000	120,000	132,500	0	0	0	252,500
Project Costs								
Design/Project Mgmt	0	0	0	10,000	0	0	0	10,000
Construction/Equipment	120,000	120,000	120,000	122,500	0	0	0	242,500
Total Project Costs	120,000	120,000	120,000	132,500	0	0	0	252,500
Oper & Maint Costs	0	0	0	0	0	0	0	0
CBWTP Odor Control								
								N
								Objective(s) Mandated
Project Description								
Phase 1 of the project provided odor control for the gravity thickeners, skimmings tank, Parshall flumes, and existing screenhouse. Phase 2 of the Project provides odor control for solids processing areas.								
Funding Sources								
BES Permit Fees and Charges	0	0	747	0	0	0	0	747
Other Financing (Internal)	0	0	2,079	0	0	0	0	2,079
BES Rates	0	0	13,003	0	0	0	0	13,003
Sewer Capital Fund	0	0	78,671	0	0	0	0	78,671
Total Funding Sources	0	0	94,500	-0	-0	0	-0	94,500
Project Costs								
Design/Project Mgmt	0	0	94,500	0	0	0	0	94,500
Total Project Costs	0	0	94,500	0	0	0	0	94,500
Oper & Maint Costs	0	0	0	150,000	150,000	150,000	150,000	600,000

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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	
CBWTP Conversion								
								Area: N
								Objective(s) Efficiency
Project Description								
The project will convert the existing disinfection system at the CBWTP from the use of chlorine gas to the use of sodium hypochlorite solution. Compared to chlorine, hypochlorite (strong bleach) is consider safer, easier, to handle, and simpler to operate.								
Funding Sources								
BES Permit Fees and Charges	0	0	16,195	11,850	0	0	0	28,045
Other Financing (Internal)	0	0	45,100	33,000	0	0	0	78,100
BES Rates	0	0	282,080	206,400	0	0	0	488,480
Sewer Capital Fund	0	0	1,706,625	1,248,750	0	0	0	2,955,375
Total Funding Sources	0	0	2,050,000	1,500,000	0	0	0	3,550,000
Project Costs								
Construction/Equipment	0	0	2,050,000	1,500,000	0	0	0	3,550,000
Total Project Costs	0	0	2,050,000	1,500,000	0	0	0	3,550,000
Oper & Maint Costs	0	0	0	0	-40,000	-80,000	-80,000	-200,000
CBWTP Outfall Line Repair								
								Area: N
								Objective(s) Maintenance
Project Description								
This project provides for general repair and structural upgrade of the existing 102-inch outfall to accommodate actual and future service conditions. A secondary project (#6405) developed to complete minor repairs.								
Funding Sources								
BES Permit Fees and Charges	0	0	316	316	8,690	19,750	29,704	58,776
Other Financing (Internal)	0	0	880	880	24,200	55,000	82,720	163,680
BES Rates	0	0	5,504	5,504	151,360	344,000	517,376	1,023,744
Sewer Capital Fund	0	0	33,300	33,300	915,750	2,081,250	3,130,200	6,193,800
Total Funding Sources	0	0	40,000	40,000	1,100,000	2,500,000	3,760,000	7,440,000
Project Costs								
Construction/Equipment	0	0	0	0	1,100,000	2,500,000	3,600,000	7,065,000
Design/Project Mgmt	0	0	40,000	40,000	0	0	160,000	240,000
Total Project Costs	0	0	40,000	40,000	1,100,000	2,500,000	3,760,000	7,440,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Pump Station Improvement Program								
								Area: All
								Objective(s) Mandated
Project Description								
This is a continuing program to refurbish or upgrade pump stations that are not in compliance with present codes, are not operating in a reliable manner, need improvements because of growth in the receiving sewage basin, and/or are over 20 years old with out-of-date equipment.								
Funding Sources								
BES Rates	0	173,376	173,376	173,376	173,376	173,376	165,120	858,624
Other Financing (Internal)	24,360	27,720	27,720	27,720	27,720	27,720	26,400	137,280
BES Permit Fees and Charges	408,960	9,954	9,954	9,954	9,954	9,954	9,480	49,296
Sewer Capital Fund	766,680	1,048,950	1,048,950	1,048,950	1,048,950	1,048,950	999,000	5,194,800
Total Funding Sources	1,200,000	1,260,000	1,260,000	1,260,000	1,260,000	1,260,000	1,200,000	6,240,000
Project Costs								
Design/Project Mgmt	300,000	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000
Construction/Equipment	900,000	960,000	960,000	960,000	960,000	960,000	900,000	4,740,000
Total Project Costs	1,200,000	1,260,000	1,260,000	1,260,000	1,260,000	1,260,000	1,200,000	6,240,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Treatment Facilities-Rehabilitation & Modifications								
								Area: All
								Objective(s) Maintenance
Project Description								
The Repair, Rehabilitation and Modifications project provides for annual reinvestment in the treatment system. The project is set up to protect capital investment and to enhance system reliability at the sewage treatment facilities. It also provides the best management practice to prevent probable violations of NPDES permit. Both the Columbia and Tryon Creek treatment plants are aging facilities and therefore require a substantial amount of investment every year for repair, rehabilitation and maintenance work. This project would facilitate a rapid and practical response to replace capital equipment and upgrade aging facilities.								
Funding Sources								
BES Rates	0	173,376	173,376	173,376	173,376	173,376	165,120	858,624
Other Financing (Internal)	24,360	27,720	27,720	27,720	27,720	27,720	26,400	137,280
BES Permit Fees and Charges	408,960	9,954	9,954	9,954	9,954	9,954	9,480	49,296
Sewer Capital Fund	766,680	1,048,950	1,048,950	1,048,950	1,048,950	1,048,950	999,000	5,194,800
Total Funding Sources	1,200,000	1,260,000	1,260,000	1,260,000	1,260,000	1,260,000	1,200,000	6,240,000
Project Costs								
Planning	52,087	50,000	50,000	50,000	50,000	50,000	0	200,000
Design/Project Mgmt	198,000	200,000	200,000	200,000	200,000	200,000	250,000	1,050,000
Construction/Equipment	949,913	1,010,000	1,010,000	1,010,000	1,010,000	1,010,000	950,000	4,990,000
Total Project Costs	1,200,000	1,260,000	1,260,000	1,260,000	1,260,000	1,260,000	1,200,000	6,240,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
CBWTP Automation								
								Area: N
								Objective(s) Maintenance
Project Description								
This project provides for automation improvements at CBWTP. Design, Advertise, Construction, & Startup are concurrent.								
Funding Sources								
BES Rates	0	8,256	8,256	14,448	4,954	0	0	27,658
Other Financing (Internal)	812	1,320	1,320	2,310	792	0	0	4,422
BES Permit Fees and Charges	13,632	474	474	830	284	0	0	1,588
Sewer Capital Fund	25,556	49,950	49,950	87,413	29,970	0	0	167,332
Total Funding Sources	40,000	60,000	60,000	105,000	36,000	0	0	201,000
Project Costs								
Construction/Equipment	40,000	60,000	60,000	105,000	36,000	0	0	201,000
Total Project Costs	40,000	60,000	60,000	105,000	36,000	0	0	201,000
Oper & Maint Costs	0	0	4,500	3,500	3,500	3,500	3,500	18,500
TCWTP Third Secondary Clarifier								
								Area: SW
								Objective(s) Expansion
Project Description								
This project adds a third secondary clarifier at TCWTP.								
Funding Sources								
BES Permit Fees and Charges	0	0	492	0	0	0	0	492
Other Financing (Internal)	0	0	1,370	0	0	0	0	1,370
BES Rates	0	0	8,566	0	0	0	0	8,566
Sewer Capital Fund	0	0	51,822	0	0	0	0	51,822
Total Funding Sources	0	0	62,250	0	0	0	0	62,250
Project Costs								
Planning	0	0	62,250	0	0	0	0	62,250
Total Project Costs	0	0	62,250	0	0	0	0	62,250
Oper & Maint Costs	0	0	0	0	0	0	0	0

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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	
Sullivan Pump Station Repairs								
								Area: NE
								Objective(s) Maintenance
Project Description								
This is a project to replace variable speed drives, pump controls, and to make other improvements that improve reliability and decrease maintenance requirements.								
Funding Sources								
BES Rates	0	27,520	96,320	211,216	0	0	0	307,536
Other Financing (Internal)	3,857	4,400	15,400	33,770	0	0	0	49,170
BES Permit Fees and Charges	64,752	1,580	5,530	12,127	0	0	0	17,657
Sewer Capital Fund	121,391	166,500	582,750	1,277,887	0	0	0	1,860,637
Total Funding Sources	190,000	200,000	700,000	1,535,000	0	0	0	2,235,000
Project Costs								
Construction/Equipment	0	0	700,000	1,535,000	0	0	0	2,235,000
Planning	80,000	0	0	0	0	0	0	0
Design/Project Mgmt	110,000	200,000	0	0	0	0	0	0
Total Project Costs	190,000	200,000	700,000	1,535,000	0	0	0	2,235,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Surface Water Management								
Taylors Ferry Water Quality Facility								
								Area: SW
								Objective(s) Expansion
Project Description								
This project is to construct water quality facility at 1711 SW Taylors Ferry Rd in order to treat storm water from adjoining drainage basins before it enter tributary to Tryon Creek.								
Funding Sources								
BES Permit Fees and Charges	0	8,394	205	0	0	0	0	205
Other Financing (Internal)	0	1,342	572	0	0	0	0	572
BES Rates	0	4,819	3,578	0	0	0	0	3,578
Sewer Capital Fund	0	50,783	21,645	0	0	0	0	21,645
Total Funding Sources	0	61,000	26,000	0	0	0	0	26,000
Project Costs								
Construction/Equipment	0	61,000	26,000	0	0	0	0	26,000
Total Project Costs	0	61,000	26,000	0	0	0	0	26,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Slough Infrastructure								
								Area: E
								Objective(s) Efficiency
Project Description								
This project will provide infrastructure on the Columbia Slough to improve water quality, sediment quality, and restore habitat. The US Army Corps of Engineers (COE) is participating, and will provide 75% match. The project consists of a feasibility study and design and construction of resulting projects. There are several project components resulting from the feasibility study:								
Funding Sources								
BES Rates	0	80,771	36,768	9,632	0	0	0	46,400
Other Financing (Internal)	11,889	12,914	5,879	1,540	0	0	0	7,419
BES Permit Fees and Charges	199,590	46,373	2,111	553	0	0	0	2,664
Sewer Capital Fund	374,171	488,678	222,453	58,275	0	0	0	280,728
Total Funding Sources	585,650	587,000	267,211	70,000	0	0	0	337,211
Project Costs								
Design/Project Mgmt	5,000	0	0	0	0	0	0	0
Construction/Equipment	163,650	187,000	267,211	70,000	0	0	0	337,211
Site Acquisition	417,000	400,000	0	0	0	0	0	0
Total Project Costs	585,650	587,000	267,211	70,000	0	0	0	337,211
Oper & Maint Costs	0	0	0	0	0	0	0	0

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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Lents Crossing								
								Area: SE
								Objective(s) Maintenance
Project Description								
Replacement of a 57" x 61" mono. conc. pipe with a new inverted siphon (a four-barrel system). The existing pipe, installed in the 1920s, crosses Johnson Creek and has been exposed by erosion caused by increased urbanization and by WPA channelization of the creek. The pipe sits in the creek and is a health risk, as well as a fish barrier. If it breaks it will spill sewage into the creek. This project replaces the pipe.								
Funding Sources								
BES Rates	0	14,448	30,272	165,120	0	0	0	195,392
Other Financing (Internal)	35,423	2,310	4,840	26,400	0	0	0	31,240
BES Permit Fees and Charges	594,697	8,295	1,738	9,480	0	0	0	11,218
Sewer Capital Fund	1,114,880	87,413	183,150	999,000	0	0	0	1,182,150
Total Funding Sources	1,745,000	105,000	220,000	1,200,000	0	0	0	1,420,000
Project Costs								
Construction/Equipment	1,745,000	105,000	220,000	1,200,000	0	0	0	1,420,000
Total Project Costs	1,745,000	105,000	220,000	1,200,000	0	0	0	1,420,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Alsop-Brownwood								
								Area: SE
								Objective(s) Expansion
Project Description								
This project is located on the main stem of Johnson Creek in the lower Powell Butte Target Area from SE 158th Ave. to Circle Drive. This project will reduce flooding by providing flood storage and by reconnecting wetlands. It will also provide habitat for salmonid recovery and improve water quality.								
Funding Sources								
BES Rates	0	146,544	242,176	207,776	0	0	0	449,952
Other Financing (Internal)	8,120	23,430	38,720	33,220	0	0	0	71,940
BES Permit Fees and Charges	136,320	84,135	13,904	11,929	0	0	0	25,833
Sewer Capital Fund	255,560	886,613	1,465,200	1,257,075	0	0	0	2,722,275
Total Funding Sources	400,000	1,065,000	1,760,000	1,510,000	0	0	0	3,270,000
Project Costs								
Construction/Equipment	200,000	425,000	1,760,000	1,510,000	0	0	0	4,690,000
Design/Project Mgmt	200,000	640,000	0	0	0	0	0	0
Total Project Costs	400,000	1,065,000	1,760,000	1,510,000	0	0	0	3,270,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Fanno Projects 39th-Shattuck								
								Area: SW
								Objective(s) Mandated
Project Description								
This is a stream enhancement/stormwater quality and detention project at 45th and Shattuck along Fanno Cr. The main objective of the project is to reduce phosphorous in the creek. This will be accomplished through erosion control, bank stabilization, riparian and habitat enhancement.								
Funding Sources								
BES Rates	0	2,064	2,064	0	0	0	0	2,064
Other Financing (Internal)	4,019	330	330	0	0	0	0	330
BES Permit Fees and Charges	67,479	119	119	0	0	0	0	119
Sewer Capital Fund	126,502	12,487	12,487	0	0	0	0	12,487
Total Funding Sources	198,000	15,000	15,000	0	0	0	0	15,000
Project Costs								
Construction/Equipment	198,000	15,000	15,000	0	0	0	0	15,000
Total Project Costs	198,000	15,000	15,000	0	0	0	0	15,000
Oper & Maint Costs	0	0	0	0	0	750	750	1,500

Capital Improvement Plan — Public Utilities
Bureau of Environmental Services

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	
NE 148th WQF								
								Area: NE
								Objective(s) Mandated
Project Description								
This project entails designing and constructing a Water Quality Facility (WQF) for the NE 148th Avenue stormwater basin.								
Funding Sources								
BES Permit Fees and Charges	0	0	0	0	1,067	879	12,430	14,376
Other Financing (Internal)	0	0	0	0	2,970	2,449	34,615	40,034
BES Rates	0	0	0	0	18,576	15,315	216,500	250,391
Sewer Capital Fund	0	0	0	0	112,387	92,657	1,309,856	1,514,901
Total Funding Sources	0	0	0	0	135,000	111,300	1,573,400	1,819,700
Project Costs								
Construction/Equipment	0	0	0	0	0	108,000	1,573,400	1,681,400
Design/Project Mgmt	0	0	0	0	135,000	3,300	0	138,300
Total Project Costs	0	0	0	0	135,000	111,300	1,573,400	1,819,700
Oper & Maint Costs	0	0	0	0	0	0	0	0
Johnson Creek Restoration								
								Area: SE
								Objective(s) Efficiency
Project Description								
This project implements the recommendations if the Johnson Creek Restoration Plan. The plan identifies a number of projects to mitigate flooding, improve water quality, and fish and wildlife habitat.								
Funding Sources								
BES Permit Fees and Charges	0	5,603	5,231	4,345	4,345	4,345	4,000	1,819,700
Other Financing (Internal)	0	15,603	14,566	12,100	12,100	12,100	11,140	62,006
BES Rates	0	97,592	91,105	75,680	75,680	75,680	69,678	387,823
Sewer Capital Fund	0	590,444	551,198	457,875	457,875	457,875	421,565	2,346,388
Total Funding Sources	0	709,242	662,100	550,000	550,000	550,000	506,383	2,818,483
Project Costs								
Construction/Equipment	0	0	0	50,000	50,000	50,000	6,383	156,383
Design/Project Mgmt	0	0	162,100	0	0	0	0	162,100
Planning	0	112,742	50,000	50,000	50,000	50,000	50,000	250,000
Site Acquisition	0	596,500	450,000	450,000	450,000	450,000	450,000	2,250,000
Total Project Costs	0	709,242	662,100	550,000	550,000	550,000	506,383	2,818,483
Oper & Maint Costs	0	0	0	0	0	0	0	0
Fanno-Tryon Retrofit								
								Area: SW
								Objective(s) Mandated
Project Description								
Fanno & Tryon Creek Water Quality, Infrastructure and Habitat Retrofit. Initiation of recommendations per Fanno/Tryon Watershed Plan and response to TMDL objectives. Intend of this scope is to design and construct CIP projects within the watersheds.								
Funding Sources								
BES Permit Fees and Charges	0	0	0	514	514	0	0	1,028
Other Financing (Internal)	0	0	0	1,430	1,430	0	0	2,860
BES Rates	0	0	0	8,944	8,944	0	0	17,888
Sewer Capital Fund	0	0	0	54,112	54,112	0	0	108,226
Total Funding Sources	0	0	0	65,000	65,000	0	0	130,000
Project Costs								
Planning	0	0	0	65,000	65,000	0	0	130,000
Total Project Costs	0	0	0	65,000	65,000	0	0	130,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities
Bureau of Environmental Services

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total
Wellhead Sump Retrofit								
	Area:							E
	Objective(s)							Mandated
Project Description								
Retrofit 34 sumps with sedimentation manholes within the Columbia Shore Wellfield Protection Area prior to 6/30/08.								
Funding Sources								
BES Permit Fees and Charges	0	0	896	0	0	0	0	896
Other Financing (Internal)	0	0	2,494	0	0	0	0	2,494
BES Rates	0	0	15,598	0	0	0	0	15,598
Sewer Capital Fund	0	0	94,370	0	0	0	0	94,370
Total Funding Sources	0	0	113,358	0	0	0	0	113,358
Project Costs								
Planning	0	0	3,000	0	0	0	0	3,000
Design/Project Mgmt	0	0	3,842	0	0	0	0	3,842
Construction/Equipment	0	0	106,516	0	0	0	0	106,516
Total Project Costs	0	0	113,358	0	0	0	0	113,358
Oper & Maint Costs	0	0	0	0	0	0	0	0
Systems Development								
Permit Reimbursement								
	Area:							All
	Objective(s)							Replacement
Project Description								
This program allows a developer to be reimbursed a "line charge" for making public sewer available to another property per City Code Title 17.								
Funding Sources								
BES Permit Fees and Charges	928	316	316	316	316	316	316	1,580
Other Financing (Internal)	1,248	880	880	880	880	880	880	4,400
BES Rates	6,864	5,504	5,504	5,504	5,504	5,504	5,504	27,520
Sewer Capital Fund	30,960	33,300	33,300	33,300	33,300	33,300	33,300	166,500
Total Funding Sources	40,000	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Project Costs								
Construction/Equipment	40,000	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Total Project Costs	40,000	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Drainage Improvement								
	Area:							All
	Objective(s)							Expansion
Project Description								
This program provides funding towards drainage system improvements which benefit property owners beyond the limits of a development. This program also provides funding for reconstruction of inadequate public drainage facilities.								
Funding Sources								
BES Permit Fees and Charges	580	198	198	198	198	198	198	990
Other Financing (Internal)	780	550	550	550	550	550	550	2,750
BES Rates	4,290	3,440	3,440	3,440	3,440	3,440	3,440	17,200
Sewer Capital Fund	19,350	20,813	20,813	20,813	20,813	20,813	20,813	104,065
Total Funding Sources	25,000	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Project Costs								
Construction/Equipment	25,000	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Total Project Costs	25,000	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities
Bureau of Environmental Services

PROJECT DETAIL

		Revised	Adopted	Capital Plan				
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year Total
South Airport Sanitary Sewer System								
							Area:	NE
							Objective(s)	Expansion
Project Description								
This is the primary project for five phases of a new sanitary sewer system (8000 ft. of pipe; four pump stations) in NE Portland. This system will provide sanitary sewer service to an area from Colwood Way to 42nd Avenue between Columbia Blvd. and the Columbia Slough.								
Funding Sources								
BES Rates	0	188,283	973,451	288,960	0	0	0	1,262,411
Other Financing (Internal)	80,693	30,096	155,639	46,200	0	0	0	201,839
BES Permit Fees and Charges	1,354,680	108,0721	55,889	16,590	0	0	0	72,479
Sewer Capital Fund	2,539,627	1,138,860	5,889,521	1,748,250	0	0	0	7,637,771
Total Funding Sources	3,975,000	1,368,000	7,074,500	2,100,000	0	0	0	9,174,500
Project Costs								
Site Acquisition	150,000	0	0	0	0	0	0	0
Design/Project Mgmt	289,000	141,000	0	0	0	0	0	0
Construction/Equipment	3,536,000	1,227,000	7,074,500	2,100,000	0	0	0	9,174,500
Total Project Costs	3,975,000	1,368,000	7,074,500	2,100,000	0	0	0	9,174,500
Oper & Maint Costs	0	0	45,000	45,000	45,480	48,680	50,680	234,840
Bureau of Transportation Interagencies								
							Area:	All
							Objective(s)	Expansion
Project Description								
Through this program BES provides design and construction services of storm improvements to the Bureau of Transportation. All costs associated with this project are reimbursed through this interagency agreement. Work completed under this program is capitalized.								
Funding Sources								
Interagencies Bureau Revenues	25,000	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Total Funding Sources	25,000	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Project Costs								
Design/Project Mgmt	0	5,000	5,000	5,000	5,000	5,000	5,000	25,000
Construction/Equipment	25,000	20,000	20,000	20,000	20,000	20,000	20,000	100,000
Total Project Costs	25,000	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Oper & Maint Costs	0	0	0	0	1,882	1,882	1,882	5,646
Permits								
							Area:	All
							Objective(s)	Expansion
Project Description								
This is a program for permitting the construction of public works sewer projects by private parties. Plans are reviewed, and the project is permitted constructed and inspected through the BES permit process.								
Funding Sources								
BES Permit Fees and Charges	0	0	3,160	3,160	3,160	3,160	3,160	15,800
Other Financing (Internal)	0	0	8,800	8,800	8,800	8,800	8,800	44,000
BES Rates	0	0	55,040	55,040	55,040	55,040	55,040	275,200
Sewer Capital Fund	0	0	333,000	333,000	333,000	333,000	333,000	1,665,000
Total Funding Sources	0	0	400,000	400,000	400,000	400,000	400,000	2,000,000
Project Costs								
Design/Project Mgmt	0	0	20,000	20,000	20,000	20,000	20,000	100,000
Construction/Equipment	0	0	380,000	380,000	380,000	380,000	380,000	1,900,000
Total Project Costs	0	0	400,000	400,000	400,000	400,000	400,000	2,000,000
Oper & Maint Costs	0	0	150,000	180,000	210,000	240,000	270,000	1,050,000

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Com/Ind/Res Sanitary Sewer Extension								
	Area:							All
	Objective(s)							Mandated
Project Description								
The purpose of this program is to provide for sewerage facility planning, design and construction within developed commercial and industrial areas.								
Funding Sources								
BES Rates	0	153,149	0	205,712	205,712	205,712	206,400	823,536
Other Financing (Internal)	8,568	24,486	0	32,890	32,890	32,890	33,000	131,670
BES Permit Fees and Charges	143,817	87,927	0	11,811	11,811	11,811	11,850	47,283
Sewer Capital Fund	269,615	926,573	0	1,244,588	1,244,588	1,244,588	1,248,750	4,982,514
Total Funding Sources	422,000	1,113,000	0	1,495,000	1,495,000	1,495,000	1,500,000	5,985,000
Project Costs								
Design/Project Mgmt	40,700	50,000	0	100,000	100,000	100,000	100,000	400,000
Construction/Equipment	381,300	1,063,000	0	1,395,000	1,395,000	1,395,000	1,400,000	5,585,000
Total Project Costs	422,000	1,113,000	0	1,495,000	1,495,000	1,495,000	1,500,000	5,985,000
Oper & Maint Costs	0	0	4,000	5,000	6,000	7,000	8,000	30,000

Environmental Remediation

Longview City Laundry & Cleaners Remediation

Area: NW
Objective(s) Maintenance
Mandated

Project Description

Remediation of the Longview City Laundry & Cleaners (LCL&C) is authorized by City Council Ordinance No. 168296, dated November 16, 1994. The project implements a Settlement Agreement between the City and LCL&C to conduct an environmental remediation of the site located at 2737 NW Nela Street, adjacent to the Guilds Lake site. The project will be completed at a time agreeable with the property tenant to minimize business disruptions.

Funding Sources

Revenue Bonds	0	325,000	325,000	0	0	0	0	325,000
Total Funding Sources	0	325,000	325,000	0	0	0	0	325,000

Project Costs

Construction/Equipment	0	325,000	325,000	0	0	0	0	325,000
Total Project Costs	0	325,000	325,000	0	0	0	0	325,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Bureau of Water Works

CAPITAL OVERVIEW

Bureau Mission

The Water Bureau's mission is to provide safe, high quality, reliable water service to customers, and to be responsible stewards of the public's water infrastructure, fiscal, and natural resources.

As part of its overall mission, capital planning and budgeting focus on providing needed infrastructure improvements, rehabilitation, repair, and replacement to ensure sufficient water supplies, efficient and reliable service, and excellent quality to our customers.

CIP Highlights

The CIP funds maintenance and improvements of the Portland water system, the largest domestic water system in Oregon, which serves more than 950,000 people. The Portland water system is a rate-funded, City-owned utility that provides water from the Bull Run watershed located on the western flanks of Mount Hood and from the Columbia South Shore Wellfield. Average water use over a typical year is about 103 million gallons per day. On a hot summer day, however, demands can exceed 200 million gallons. Approximately 38 billion gallons of water are delivered to bureau customers annually. About 60% of the water is delivered to customers within the city limits. The remaining 40% is served to customers in 19 surrounding cities and special districts.

The water system is comprised of:

- ◆ A primary surface water supply with two dams
- ◆ Three 25-mile conduits running between the watershed and the city
- ◆ A back-up and supplementary groundwater supply system with more than 25 wells
- ◆ About 300 million gallons of storage in approximately 70 tanks and reservoirs
- ◆ About 40 pump stations
- ◆ 255 regulator stations with about 640 regulators
- ◆ Approximately 2000 miles of pipelines
- ◆ Over 13,000 fire hydrants
- ◆ More than 50,000 valves
- ◆ Approximately 166,000 services

The 2004-09 CIP contains 58 projects with budgets totaling \$47.8 million in FY 2004-05 and \$324 million over the five years covered by the plan. Over the last ten years the CIP budget has increased about 4% annually, adjusted for inflation. It is expected that the CIP will continue to increase, as a result of an effort to address the major issues confronting the bureau.

The bureau has been unable to implement the adopted CIP budgets in the past two years as a result of financial constraints and staffing limitations. Over the next five years, the proposed CIP budget will increase significantly from prior year levels. The bureau will need to make changes in processes, organization, and resources to implement the growing CIP.

Major Issues

This CIP addresses more immediate and short term water system infrastructure needs. These needs have been identified as system problems or deficiencies, through past planning and analysis, and as part of ongoing maintenance programs.

The major projects in the five-year program include the following:

- ◆ Burying Open Reservoirs due to age, regulatory requirements, and vulnerabilities;
- ◆ Planning and beginning design of infrastructure required to meet the proposed new treatment requirements for Bull Run;
- ◆ Expanding the groundwater system for summer supply augmentation and reliability when turbidity or conduit failures interrupt the Bull Run supply;
- ◆ Replacing the conduit crossings of the Sandy River and Willamette River to address transmission vulnerabilities;
- ◆ Maintaining and rehabilitating the water system;
- ◆ Replacing aging parts of the distribution system that are failing or near the end of their useful life;
- ◆ Replacing or modifying system components to accommodate redevelopment and projects by other agencies;
- ◆ Addressing vulnerability, life safety, and deteriorated condition of the bureau's Operations and Maintenance yard.

A number of issues and uncertainties remain to be addressed in future CIP's. These include:

- ◆ Need for, and potential location of, future terminal and distribution storage;
- ◆ Amount of future wholesale demand and the facilities that will be needed to meet that demand;
- ◆ Character of retail system growth and expansion and the facilities needed to meet that demand;
- ◆ Type of treatment technology selected for Bull Run and the location of these treatment improvements, and;
- ◆ Nature and timing of investments required to meet obligations under the Endangered Species Act (ESA).

Addressing and resolving these issues will shape the bureau's future capital programs into the foreseeable future. The CIP is continuously evolving to reflect the bureau's understanding of the water system's needs and the regulatory and other externally driven issues that require changes to the water system's infrastructure or facilities. An overview of the current drivers of the program include:

- ◆ **Aging Infrastructure:** All components of the water system deteriorate over time, and many are approaching the end of their useful life. Rehabilitation and replacement of the supply backbone was addressed in the Infrastructure Master Plan and subsequent facility evaluations. A distribution system master plan is under development to better define vulnerabilities; conditions; and a maintenance, rehabilitation, and replacement strategy to protect the distribution system from deterioration.
- ◆ **Vulnerability and Security:** Many facilities are vulnerable to human and natural damage. Assessments have been completed and improvement projects identified to address many of these vulnerabilities in the supply and transmission backbone and at critical facilities. The distribution system master plan will also address vulnerabilities in the distribution system. Not all projects are funded in the five-year CIP.

- ◆ **Water Quality Regulations:** The regulatory environment continues to grow more stringent, and the threats to water quality from human activity are also growing in some cases. The bureau must determine how it can best respond to these regulations and build for the future, anticipating future regulations, or mitigating future threats. The bureau must determine the appropriate technology and site for addressing the proposed Long Term 2 Enhanced Surface Water Treatment Rule regulations requiring enhanced treatment of the Bull Run water supply.
- ◆ **Wholesale Customers and City Retail Growth:** The bureau is currently negotiating new wholesale contract terms. The results of the contract negotiation will determine the wholesale demand and whether it continues to be up to 40% of the system supply. Retail demands are also expected to grow as a result of increased population densities within the City. These increased demands could exhaust existing supplies and require additional supply. Advanced planning for new supplies are critical as many years are required to develop and permit new supplies.
- ◆ **Endangered Species Act:** The bureau is working with federal agencies and a variety of other stakeholders to define a package of conservation measures to include in a draft Habitat Conservation Plan that will receive extensive public and regulatory agency review. Conservation measures are expected to require water that will reduce supply of domestic use as well as other costs and improvements, including the increased use of groundwater, with its associated costs. Depending on the extent of water releases and the amount of demand from retail and wholesale customers, additional supplies may need to be developed sooner than they would have been otherwise.
- ◆ **Bull Run Management:** Reduced federal funding for Bull Run watershed management is expected to put a greater burden on the Bureau to maintain the watershed. This could have significant impacts on the bureau's capital and operating costs.

Changes from Prior Year

FY 2004-05 represents a proposed 4% decrease over the previous year's Adopted Budget. The increase in the five-year total is 4%. There are no major new projects proposed in the CIP. The following projects have undergone major changes in the current and five-year CIP.

- ◆ **Outside Agency Projects**
 - ◆ First-year CIP up \$1.2 million; five-year CIP up \$17.5 million
 - ◆ Two new major Office of Transportation (PDOT) projects have been defined: Transit Mall and I-205 LRT. Placeholders have also been established for other future PDOT projects.
- ◆ **Willamette River Crossing**
 - ◆ Five-year CIP up \$12.7 million
 - ◆ The timing of this project has been accelerated, to provide upgraded river crossing reliability to the west side of the city.
- ◆ **Interstate Site Improvements**
 - ◆ First-year CIP up \$0.9 million; five-year CIP up \$8.9 million
 - ◆ This project has been brought forward to address health and safety issues at the bureau's Operations and Maintenance Facility.
- ◆ **Maintenance**
 - ◆ First-year CIP up \$1.6 million; five-year CIP up \$8.8 million
 - ◆ Increased funding has been proposed for a variety of water system maintenance activities, including large meters, tanks, and transmission mains.
- ◆ **Interties**

- ◆ First-year CIP up \$2.5 million; five-year CIP up \$3.0 million
- ◆ Interties for the groundwater transmission main and a Powell Butte bypass have been included in the CIP.
- ◆ **Facilities Security**
 - ◆ First-year CIP up \$0.5 million; five-year CIP up \$2.6 million
 - ◆ Implementation of security measures at critical facilities.
- ◆ **Open Reservoirs**
 - ◆ First-year CIP down \$10.2 million; five-year CIP down \$3.0 million
 - ◆ Implementation of this project is delayed pending a public panel review and historic preservation permitting.
- ◆ **Treatment**
 - ◆ First-year CIP up \$1.3 million; five-year CIP down \$3.5 million
 - ◆ Reductions in the five-year CIP reflect an additional year for compliance with regulations.
- ◆ **Endangered Species Act**
 - ◆ Five-year CIP down \$10.3 million
 - ◆ Construction of selective withdrawal intake towers in reservoir 2 has been deferred, pending the results of ESA negotiations. Some ESA implementation costs have also been delayed.
- ◆ **Powell Butte Reservoir 2**
 - ◆ Five-year CIP down \$16.5 million
 - ◆ Construction of a second storage reservoir on Powell Butte has been deferred.

STRATEGIC DIRECTION

Council Goals and Priorities

City Council strategic plan priorities addressed in the CIP include:

- ◆ Replace or rehabilitate deteriorating physical infrastructure and prevent deterioration through maintenance.
- ◆ Promote economic vitality.
- ◆ Maintain and improve our watershed and ensure environmental health.

A significant portion of the five-year CIP is directed toward deteriorating physical infrastructure through the continuation of the repair and rehabilitation work on the distribution system and the storage and transmission assets, and with an increase in programmed maintenance.

Economic vitality is in part dependent on having a reliable supply of high quality water. The CIP is focused on maintaining a reliable water supply system.

The bureau has always taken seriously its responsibility for stewardship of the City's water resources, and also protecting the environment by minimizing or mitigating its effect in the course of using that resource. The primary project directly addressing environmental protection is the Endangered Species Act Support project, which mitigates the effect of the Bull Run dams on the watershed's fish populations and habitat.

City Comprehensive Plan

The bureau is committed to the Comprehensive Plan Goals and Policies.

Urban Development (Goal 2)

The overall CIP is directed at supporting safe, adequate, and affordable water supplies to support the land uses listed in this goal's strategies.

Neighborhoods (Goal 3)

The CIP supports policy 3.1 on physical conditions that prevent the deterioration of existing public facilities through projects under the heading of Distribution System program and include main replacements, pump station upgrades, meter replacements, hydrant renewal, tank maintenance or development of new ones, and in-city transmission main replacements or development throughout the city.

Housing (Goal 4)

The water system is designed to meet the housing needs allocated to various areas within the city through the Comprehensive Plan.

Economic Development (Goal 5)

A key aim of the CIP is to ensure that water quantity and quality meet the existing and potential needs of businesses in support of Business Development and Economic Development.

Transportation (Goal 6)

The CIP funds water system adjustments and relocations required to accommodate the construction and operation of light rail and transportation projects.

Energy (Goal 7)

The CIP supports energy efficiency policies through the industrial conservation program, and through the planning and construction of capital facilities.

Environment (Goal 8)

Implementation of the ESA agreement for the Bull Run Watershed is expected to be supported, in part, through the bureau's CIP. In addition, all water projects planned for construction inside the urban area that may impact environmentally sensitive areas include studies of the environmental issues, recommendations for mitigation, and any necessary City permits that apply including E-zone reviews.

Public Involvement (Goal 9)

All Portland CIP projects that affect neighborhoods or that require City permit review processes have and will continue to include public involvement elements.

Public Facilities (Goal 11)

The entire CIP is designed to meet the primary Public Facilities goal, particularly the part on service responsibility for water supply. Policy 11.7 dictates that the Capital Improvement Plan be an annual planning process for major improvements, and the bureau coordinates this process with the Public Facilities System Plan and utilizes an objective-driven evaluation process for selecting the projects to be included in the CIP.

CAPITAL PLANNING AND BUDGETING

Capital Planning Process

The Water Bureau utilizes planning and analysis to determine infrastructure improvements and to guide the appropriate timing of capital projects to meet water system needs. The most significant recent planning effort, the Infrastructure Master Plan (IMP) that was completed in 2000, identified the needs of the supply, storage, and transmission system. A distribution system master plan is under development.

The bureau's capital planning process is guided by priorities set at the City Council, Commissioner, and Administrator level. The general long-standing values and priorities that guide the capital planning and CIP process include:

1. Public Health and Safety (water quality, fire flows)
2. Reliability (adequacy of water supplies, storage, transmission, and distribution)
3. Vulnerability Reduction (human and natural hazards)
4. Maintenance (protect assets from deterioration)
5. Environmental Impacts (conservation, ESA, etc.)
6. Business Efficiency

The specific objectives and priorities for the capital program to accomplish over the next five years include:

- ◆ Finalize a Bull Run treatment decision to comply with Environmental Protection Agency (EPA) requirements;
- ◆ Decrease vulnerability of the system to natural and manmade disruptions;
- ◆ Bury the open storage reservoirs;
- ◆ Fund system maintenance efforts to keep pace with deterioration;
- ◆ Implement security measures as identified in the EPA mandated Vulnerability Assessment;
- ◆ Secure an ESA compliance agreement for the Bull Run.

Financial Forecast Overview

The CIP is considered one of the most important inputs to the financial forecast. Because of the magnitude of the dollars involved, any significant changes (whether in amount or timing) can have profound effects on the level and scheduling of revenue increase over the five-year period. In terms of a rate increase to wholesale and retail customers, the mix of projects in the CIP can be as critical a variable as the method chosen to finance the projects. Projects related to supply and transmission enhancements serve both wholesale and retail customers alike, but project costs related to the distribution system can only be allocated to retail customers.

Water Construction Fund

Capital investments in the water system are funded through the Water Construction Fund (WCF). The WCF is financed from three major sources of funds: water sales; proceeds from revenue bond sales; and construction fund revenues (direct reimbursements, system development charges, and interest earnings). These monies fund indirect capital costs (overhead and interest) as well as direct project costs. For this five-year plan, slightly over half the capital requirements are funded with current resources and the balance from bond proceeds.

- ◆ Cash/Water Sales Financing: the bureau's level of WCF cash financing is set at an amount that funds routine capital maintenance needs and ensures maintenance of the targeted overall (including general obligation debt) debt service coverage ratio at 1.9.

- ♦ **WCF Revenues:** the bureau's level of WCF revenues is determined mainly by actions of parties external to the bureau with the majority of these revenues (in current dollars) coming from transportation projects (\$23 million), system development charges (\$10 million), Open Reservoir grant financing (\$10 million), and service installations (\$9 million).
- ♦ **Debt Financing:** Pursuant to the City Charter and state statutory authority, the bureau may issue debt in the form of revenue or general obligation bonds. By City Charter, the WCF is the recipient of proceeds from construction bond sales. Bond sales are forecast to occur in FY's 2005-06, and 2007-08, to provide necessary debt financing for the five-year period. Bonds are typically issued approximately every two years to facilitate compliance with IRS regulations regarding the time period during which the proceeds must be spent.

CIP Expenses

The bureau's CIP includes project expenditures that cannot be funded through the WCF. These expenditures generally fall into the grouping of capital studies, preliminary engineering and other expensed investments that do not clearly meet the capital criteria of a betterment, improvement, or addition to the water system. For financial planning purposes, expensed CIP project costs are either identified directly (such as the IMP project) or estimated as a percent share of the capital budget (known as the CIP Accounting True-Up). Based on recent historical experience, this CIP percent share estimate is 3% of the direct capital budget. As an operating cost, these CIP expenses are 100% cash financed, usually through water sales.

Retail Rate Impact

To determine the rate impacts of a revenue requirement increase, the revenue requirement must be allocated between wholesale and retail customers. The method of allocating costs to wholesale customers is specified by contractual provisions (currently based on asset allocations for replacement value depreciation, rate of return etc.), causing the proportion of the total revenue requirement recoverable from wholesalers to vary from year to year. Retail rates are set on what might be thought of as a "residual-cash basis" to recover whatever portion of the total cash basis revenue requirement is not allocable to wholesale customers.

Asset Management and Replacement Plans

Water systems are among the most capital intensive of all facilities. The bureau's general asset management goal is to extend the useful life of bureau facilities by maintenance and repair until infrastructure replacement or rehabilitation is more cost effective than continued maintenance and repair. The rehabilitation and replacement cycles of facilities are driven by the type of facility, age, and effectiveness of past maintenance and repair. The life expectancy of the majority of the bureau's key facilities such as dams, pipelines, and concrete reservoirs exceeds 100 years. Pump stations, tanks, buildings, and distribution system appurtenances (hydrants, services, meters, regulators, etc.) usually have shorter life expectancies of 30 to 50 years, while expected lifetimes for electrical and electronic equipment are typically even shorter. These life expectancy ranges are the basis for the bureau's ongoing capital maintenance programs.

Roughly 80% of the capital budget is focused on maintenance and replacement of key system components. In addition to the capital program, the bureau has an operational preventive maintenance and repair program that provides for the more immediate and ongoing maintenance in the operating budget. With an estimated replacement cost for the City's water system of more than \$3 billion, asset management and replacement programs will continue to be one of the largest CIP activities, protecting the bureau's investment in the water system.

The two most significant infrastructure replacement programs in the next five years of the CIP are replacement of the three open reservoirs at Mt. Tabor Park and the Distribution System program that replaces about six miles of distribution mains annually and provides for rehabilitation and replacement of the over 80 bureau storage tanks and pump stations.

An assessment of the water system, based on a comparison of the age of each facility to its useful life, suggests that the transmission and distribution system will continue to age and that the replacement capital costs will need to increase in the future as many of these facilities begin to reach the end of their useful lives. Overall, the general condition of the water system will remain fairly constant at the current CIP funding level for the next five years.

The bureau is undertaking projects in the next few years that refine and further develop its asset management strategy. These projects will be focused on the bureau's distribution system, and include the Distribution System Master Plan and Maintenance Management System. These projects are expected to evaluate condition and deficiencies and develop cost effective maintenance and repair programs for the distribution system.

Programmed maintenance of the water system is funded at the following levels over the next five years:

- ◆ Distribution System, \$14.3 million
- ◆ Storage and Transmission, \$3.2 million
- ◆ Facilities and Equipment, \$2.7 million
- ◆ Groundwater Supply, \$2.6 million
- ◆ Bull Run Supply, \$2 million

Growth Management

The bureau works with the Office of Management and Finance and the Bureau of Planning and a number of other City and local government agencies to address growth related issues.

The bureau reviews and approves individual customer service requests, developer built infrastructure, and redevelopment in the city, most of which is associated with growth. The City is expecting a significant increase in population within the city limits over the next 10 to 20 years as population densities increase. The impact to the water system of this increased density is still being evaluated.

The bureau, working in coordination with the Planning Bureau, provides an analysis of its ability to serve particular properties following receipt of an application for annexation. The bureau also participates as part of an inter-bureau technical team that reviews a range of issues associated with annexation of properties.

In the case of urban boundary expansion, the bureau provides service cost estimates to Metro for their analysis of urban reserves. Once a decision is made to annex an area, the bureau works with Metro and other City agencies to develop detailed plans for the provision of water service and other services. Pleasant Valley will be one such area.

The bureau also has a number of facilities that are located outside the urban growth boundary (UGB) in both Multnomah and Clackamas Counties, such as the Bull Run dams and conduits. These facilities and associated CIP projects located outside the UGB are developed and implemented to minimize the effect on rural and natural resource lands. The permitting process is followed and alternatives to locations outside the UGB are included where feasible or required by Code for the type of project under consideration.

The Powell Valley Road Water District will become fully integrated within the Portland water system on July 1, 2005. The infrastructure needs of this service area will need to be incorporated into the bureau's CIP. This will be done in conjunction with the distribution system Master Planning effort.

Growth in the region, wholesaling of water to other suppliers, and analysis of infrastructure needed to support wholesaling to a larger base, is undertaken as part of the CIP's Management and Planning program.

CAPITAL PROGRAMS AND PROJECTS

Program Description **Storage and Transmission Program (\$116 million)**

This program provides for the rehabilitation, replacement, and expansion of the primary transmission pipelines and terminal storage reservoirs that make up the supply backbone of the water system. The phase-out of the open reservoirs comprises the majority of the program cost at this time. The program also addresses a number of projects that rehabilitate the existing three Bull Run conduits and reduce their vulnerability to natural hazards, as well as provide for a new conduit crossing of the Willamette River.

- ◆ **Open Reservoirs (\$72.8 million):** The replacement of the three open reservoirs located at Mt. Tabor Park and interim repair and covering as well as the long term replacement of the two open reservoirs located at Washington Park, constructed in 1896 and 1911, are provided for by this project.
- ◆ **Willamette River Crossing & Transmission (\$13 million):** This project provides for a replacement and strengthened transmission link between Powell Butte, Mt. Tabor Park, and the terminal storage on the West Side of the Willamette River at Washington Park.
- ◆ **Conduit Relocation - Sandy River (\$11.9 million):** This project includes relocation of existing water supply conduit crossings at the Sandy River near Dodge Park to reduce the vulnerability to flooding, mudflow, earthquake, etc.
- ◆ **Conduit Isolation and Improvements (\$7.5 million):** Conduit interties are planned for some Bull Run conduits, for the groundwater transmission main, and for a bypass of Powell Butte.
- ◆ **Conduit Vulnerability Reduction (\$5.9 million):** This project implements improvements recommended by the System Vulnerability Assessment that will reduce the vulnerability of the conduit system to various natural and man-made disasters.

Distribution System Program (\$114 million)

The Distribution System program addresses the maintenance, reliability, and expansion of the piping network that distributes water from terminal storage reservoirs to retail customers. It primarily addresses the installation and replacement of the nearly 1,800 miles of distribution mains, but it also encompasses pump stations, reservoirs and storage tanks, transmission mains, regulating stations, automated meter-reading technology, decorative fountains, services, meters, and hydrants.

- ◆ **Distribution Mains (\$29.8 million):** This project provides for the ongoing expansion, rehabilitation, and replacement of the water distribution piping system, which requires the construction of approximately six miles of new mains and six miles of replacement mains each year.
- ◆ **Outside Agency Projects (\$27.8 million):** The project provides for relocation and other adjustments to water pipes and facilities to accommodate transportation and other public infrastructure construction. These projects include light rail projects, Oregon Department of Transportation (ODOT) and PDOT road and bridge construction, and Bureau of Environmental Services sewage and stormwater construction.

- ◆ **Services (\$10.4 million):** This project provides for installation of new water services requested by customers for new development and redevelopment. It also provides for replacement of old and leaking services as well as obsolete and under-registering meters.
- ◆ **Utility Relocates (\$9 million):** This project provides funds through water rates for improvements to water pipes and remaining life of facilities undertaken when relocations are required by other City projects.
- ◆ **Transmission Mains (\$12.2 million):** This project is an ongoing effort to construct new and replacement pipelines to provide adequate and reliable quantities of water to distribution system pressure zones and tanks, and maintain the backbone transmission pipeline network. Maintenance projects are excluded from the total.
- ◆ **Tanks (\$7.6 million):** This project funds construction of new water storage tanks as well as the rehabilitation of the bureau's more than 70 existing tanks, which help ensure the system's high level of reliability. Maintenance is excluded from the total.

Facilities and Equipment Program (\$31 million)

The Facilities and Equipment Program provides for the rehabilitation, improvement, and replacement of bureau buildings, grounds, communications, control facilities, and capitalized equipment, including vehicles. Improvements are needed due to age and deterioration, technology, new standards, efficiencies, damage from vandalism or weather, compliance with safety and access regulations such as the Americans with Disabilities Act and the Occupational Safety and Health Act, security, and the need to reduce vulnerability to natural and human-caused hazards. Rehabilitation and replacement of portions of the Interstate Operations Facility is one of the key projects, as is Water Control Center maintenance.

- ◆ **Equipment Purchases (\$11.9 million):** Fleet vehicles and other capitalized equipment purchases are provided for in this project.
- ◆ **Interstate Site Improvements (\$11.3 million):** This project provides funding to develop and implement needed rehabilitation, replacement, and improvements for the bureau's operation facilities located on North Interstate Avenue to increase the efficiency and utility of the site and to address critical vulnerabilities.
- ◆ **Facilities Security (\$4.3 million):** This projects funds security upgrades at critical facilities.

Water Quality & Treatment Program (\$22 million)

The Water Quality and Treatment program addresses improvements to treatment of both Bull Run and groundwater sources. Treatment improvements to Bull Run, in response to new regulations, makes up the majority of this program. The Water Quality and Treatment program also ensures that water throughout the system meets the EPA and State of Oregon drinking water quality standards.

- ◆ **Bull Run Treatment (\$20.5 million):** This project addresses the need for new treatment for the Bull Run water supply, and includes a public involvement process for reviewing options, treatment plant siting study and decision, analysis of permitting requirements, and development of an implementation plan for the option chosen. The five-year CIP does not include funds for design or construction.

Groundwater Supply Program (\$21 million)

The Groundwater Supply program includes projects to expand and improve reliability of the Columbia South Shore Well Field (CSSW). The CSSW is Portland's secondary water source, augmenting the Bull Run supply and serving as the region's backup water supply. The program primarily focuses on increasing the installed capacity of the well field for increased long term operation reliability. Other work is focused on maintenance and improvements to wells, well sites, pumps, and collection mains.

- ◆ Groundwater System Upgrade (\$16.2 million): This project will enable the bureau to upgrade the groundwater supply system to increase the reliable yield from 75 to 100 million gallons per day and includes the development of Aquifer Storage and Recovery.

Planning and Management Program (\$11 million)

The Planning and Management program addresses master planning and support functions for all capital planning and implementation. Master planning focuses on identifying the need and timing of infrastructure, acquisition or improvements, and the most effective asset management strategies to maximize infrastructure investments. In particular this program seeks to maximize benefits by ensuring that projects meet multiple needs whenever possible. Conservation is also included in this program.

- ◆ Water System Studies (\$5.5 million): This project provides for planning and analysis to support the identification and development of projects that address long term system needs and for assessing and evaluating the best means of meeting those needs.

Bull Run Supply Program (\$9 million)

The Bull Run Supply program addresses the reliability of the Bull Run Watershed, the bureau's primary water supply source. The objectives of the program are to implement the Endangered Species Act compliance agreement, reflecting the bureau's commitment to protect habitat and the environment, and the continued reliability of water supply through effective management of the bureau's assets and facilities within the watershed. There are no major projects for this program within the CIP, at this time.

Funding Sources

See the "Financial Forecast Overview" for an explanation of funding sources for the CIP.

Net Operating and Maintenance Costs or Savings

Operating and Maintenance (O&M) costs, when applicable, are estimated as part of the project feasibility study and preliminary evaluations. The costs generally include labor, electricity or fuel, and chemicals. Energy and chemicals are normally much easier than labor or efficiency savings to identify and estimate. Projects that may generate future O&M savings include Automated Meter Reading and the Maintenance Management System.

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

Bull Run Supply

Bull Run Development

Area: E

Objective(s): Expansion

Project Description

This program investigates the feasibility of alternatives for replacing supply lost from water releases as part of the ESA Compliance Agreement and for future supplemental summer supply. Alternatives include raising Bull Run Dam No. 1 and Bull Run Dam No. 2 and modifying Bull Run Lake. Early phases of the program include feasibility and environmental studies as well as assessments of permits and licenses that may be required from the U.S. Forest Service, Federal Energy Regulatory Commission, Environmental Protection Agency, Department of Environmental Quality, and State Historic Preservation Office. The Bull Run Dam No. 1 raise project considers two scenarios: 1) raising the existing spillway gates at Bull Run Dam No. 1 by 5 feet, and 2) raising the dam structure by 15 feet. These two options would increase the storage capacity of the reservoir by approximately 2,114, and 7,059 acre feet (0.69 and 2.3 billion gallons), respectively. The Dam No. 2 Raise involves construction of a 17-foot-high labyrinth weir on a concrete slab on top of the entrance to the spillway approach canal. This would increase the storage capacity of the reservoir by approximately 6,000 acre feet (2 billion gallons).

Funding Sources

Water Capital Fund	50,000	100,000	100,000	100,000	100,000	100,000	260,000	660,000
Total Funding Sources	50,000	100,000	100,000	100,000	100,000	100,000	260,000	660,000

Project Costs

Design/Project Mgmt	50,000	100,000	100,000	100,000	100,000	100,000	260,000	660,000
Total Project Costs	50,000	100,000	100,000	100,000	100,000	100,000	260,000	660,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Watershed Maintenance

Area: E

Objective(s): Maintenance

Project Description

This ongoing program provides for rehabilitation and improvements to the bureau's Columbia South Shore Wellfield, which is the backup water supply for the City and its wholesale customers. Capital maintenance projects include pump and motor overhauls, well testing and re-development, pump station upgrades, and wellhead upgrades. The program addresses well pump and motor maintenance for two to three wells per year and rotating through the entire wellfield once approximately every 10 to 15 years. A shorter (approximately five-year program) is tentatively planned to address physical upgrades to the subsurface well components. This project may involve pulling and replacing the well screen, retrofitting screens with needed pressure relief assemblies, or well deepening. The current budget assumes two well pump and motor rehab projects per year at \$300,000, and an additional \$300,000 to \$350,000 per year when a well rehabilitation is completed. Capital maintenance to the groundwater pump station (including the large pumps and motor control centers) is anticipated but not planned to occur during the current 10-year planning cycle, and is therefore not currently budgeted. Complete replacement of wells is also not included in the maintenance budget. In FY 2004-05 through 2006-07 additional funds (total \$400,000) are included to maintain and improve landscaping at several well sites where facilities were recently upgraded or improved.

Funding Sources

Private Grants and Donations	0	0	11,000	25,000	32,000	0	0	68,000
Water Capital Fund	375,000	385,000	384,000	425,000	448,000	350,000	350,000	1,957,000
Total Funding Sources	375,000	385,000	395,000	450,000	480,000	350,000	350,000	2,025,000

Project Costs

Design/Project Mgmt	70,000	85,000	85,000	70,000	70,000	70,000	70,000	365,000
Construction/Equipment	305,000	300,000	310,000	380,000	410,000	280,000	280,000	1,660,000
Total Project Costs	375,000	385,000	395,000	450,000	480,000	350,000	350,000	2,025,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Public Utilities

Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	

Bull Run Lake Mitigation

Area: E

Objective(s): Maintenance

Project Description

The Bull Run Lake special-use authorization from the U.S. Forest Service requires the City to complete a variety of habitat mitigation projects. The number of projects depends on the amount of water withdrawn from the lake and the extent to which the lake refills after each use. Mitigation measures may include planting vegetation, installing fish habitat structures, placing spawning gravel, and improving fish passage into the tributaries. Project costs will extend through 2016. The magnitude of these costs will vary depending on the frequency and extent of lake use for water supply. The bureau's mitigation measures will enhance natural resources for fish and wildlife, in addition to meeting the regulatory requirements associated with using lake water.

Funding Sources

Water Capital Fund	40,000	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Total Funding Sources	40,000	40,000	40,000	40,000	40,000	40,000	40,000	200,000

Project Costs

Construction/Equipment	10,000	10,000	10,000	10,000	10,000	10,000	10,000	50,000
Design/Project Mgmt	30,000	30,000	30,000	30,000	30,000	30,000	30,000	150,000
Total Project Costs	40,000	40,000	40,000	40,000	40,000	40,000	40,000	200,000

Oper & Maint Costs	0	0	0	0	0	0	0	200,000
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Dams & Headworks Repair & Rehabilitation

Area: E

Objective(s): Maintenance

Project Description

This project provides for assessment of the condition and rehabilitation of dams and other facilities at Headworks. This includes preliminary engineering and design of needed repairs and rehabilitation of these facilities, and carrying out the repair work. Many of these facilities are between 50 to 70 years old. Safe and reliable operation of these facilities require ongoing investment. Current work includes: (1) Repairs and rehabilitation of the Dam 2 plunge pool. (2) Repairs and rehabilitation of the inlet towers at Dam 2. The towers have vulnerabilities and are in need of rehabilitation and improvement to address operational and water quality concerns. (3) Dam 1 Outlet Facility repairs and rehabilitation. An assessment recommended by the last Part 12 inspection identified the work to be completed over the next five years for Dam Safety.

Funding Sources

Water Capital Fund	70,000	1,305,000	1,482,000	755,000	418,000	230,000	405,000	3,290,000
Total Funding Sources	70,000	1,305,000	1,482,000	755,000	418,000	230,000	405,000	3,290,000

Project Costs

Design/Project Mgmt	10,000	230,000	285,000	100,000	80,000	70,000	70,000	605,000
Construction/Equipment	60,000	1,075,000	1,197,000	655,000	338,000	160,000	335,000	2,685,000
Total Project Costs	70,000	1,305,000	1,482,000	755,000	418,000	230,000	405,000	3,290,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Visitor Safety & Access Improvements

Area: EI

Objective(s): Maintenance

Project Description

This project involves construction of improved facility access for visitors and educational exhibits on water resource management and protection. The improvements will increase public safety and reduce risks associated with accidental chlorine exposure and steep, narrow trails. Planned projects include (1) construction of a watershed observation deck with an overview of the Headworks and (2) construction of a forest trail accessible to disabled citizens (under the Americans with Disabilities Act guidelines). Other projects include construction of outdoor interpretive exhibits at Bear Creek House, Dodge Park, and the Columbia South Shore Wellfield area.

Funding Sources

Water Rates	25,000	25,000	25,000	25,000	25,000	25,000	0	100,000
Total Funding Sources	25,000	25,000	25,000	25,000	25,000	25,000	0	100,000

Project Costs

Design/Project Mgmt	5,000	5,000	5,000	5,000	5,000	5,000	0	20,000
Construction/Equipment	20,000	20,000	20,000	20,000	20,000	20,000	0	80,000
Total Project Costs	25,000	25,000	25,000	25,000	25,000	25,000	0	100,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Public Utilities

Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	Total
USFS/COP Land Exchange								
								E
								Efficiency
Project Description								
This project funds consultant services for environmental surveys, timber inventories, appraisals, National Environmental Policy Act documentation, and interagency negotiations for a possible land exchange of selected tracts of City and U.S. Forest Service land in the Bull Run Watershed. Acquisition of some offsite private lands may also be necessary to facilitate the land exchange. The U.S. Forest Service/City land exchange would provide greater certainty on environmental permitting issues associated with maintenance, operation, and expansion of the Bull Run supply system. The project may also include purchase of the only remaining privately held land in the Bull Run Management Unit, a 20-acre parcel owned by Longview Fibre Company. This acquisition would provide additional source protection in the watershed by protecting this parcel from future logging.								
Funding Sources								
Water Capital Fund	110,000	140,000	475,000	475,000	100,000	0	0	1,050,000
Total Funding Sources	110,000	140,000	475,000	475,000	100,000	0	0	1,050,000
Project Costs								
Design/Project Mgmt	110,000	140,000	475,000	475,000	100,000	0	0	1,050,000
Total Project Costs	110,000	140,000	475,000	475,000	100,000	0	0	1,050,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
ESA Support								
								All
								Maintenance
Project Description								
This funding will support implementation of the agreements that are being negotiated as part of the bureau's effort to bring the Bull Run water system into compliance with federal Endangered Species Act and Clean Water Act requirements. The amount included here represents a placeholder rather than the final settlement, so funding levels may be modified in future years based on final negotiations. Funds to complete regulatory compliance agreements and required environmental impact statements are included in the bureau's base budget.								
Funding Sources								
Water Capital Fund	0	0	0	0	55,000	500,000	500,000	1,055,000
Water Rates	0	0	0	0	410,000	130,000	70,000	610,000
Total Funding Sources	0	0	0	0	465,000	630,000	570,000	1,665,000
Project Costs								
Construction/Equipment	0	0	0	0	55,000	500,000	500,000	1,055,000
Design/Project Mgmt	0	0	0	0	410,000	130,000	70,000	610,000
Total Project Costs	0	0	0	0	465,000	630,000	570,000	1,665,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Distribution System								
BES Adjustments								
								All
								Mandated
Project Description								
This ongoing program provides for relocation and adjustment of water facilities, mostly in City streets, to accommodate storm drainage and sewer pipelines constructed by the Bureau of Environmental Services (BES). The most current and near term projects are in response to BES's Combined Sewer Overflow (CSO) program. Reimbursement is expected for much of the work performed under this program; however, this program includes some work done at the bureau's discretion, to make improvements on the water system in the course of relocate and adjustments. Some costs born by the bureau are also provided by the Utility Relocations project. The bureau anticipates about 80% reimbursement overall for the program. Key projects under this program include Tanner Creek Diversion, Sullivan/Star/Holladay Basin CSO projects, East Tunnel CSO, Beech/Essex - Oak Basins CSO, Lents CSO, and Carolina Basin projects.								
Funding Sources								
Water Capital Fund	910,000	40,000	0	0	0	0	0	0
Interagencies Bureau Revenues	700,000	485,000	890,000	850,000	735,000	200,000	300,000	2,975,000
Total Funding Sources	1,610,000	525,000	890,000	850,000	735,000	200,000	300,000	2,975,000
Project Costs								
Design/Project Mgmt	320,000	175,000	220,000	140,000	100,000	30,000	60,000	550,000
Construction/Equipment	1,290,000	350,000	670,000	710,000	635,000	170,000	240,000	2,425,000
Total Project Costs	1,610,000	525,000	890,000	850,000	735,000	200,000	300,000	2,975,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities

Bureau of Water Works

PROJECT DETAIL

	Revised		Adopted		Capital Plan				5-Year
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	Total	
Transmission Mains									
Area:								All	
Objective(s):								Replacement	
Project Description									
This ongoing program constructs new and replacement transmission pipelines that provide adequate and reliable quantities of water to distribution system pressure zones and storage tanks. The program maintains the backbone transmission pipeline network. Most of the pipelines in this program are new to supply areas that currently have insufficient supply, were annexed, or needed to meet growing demands or changing demographics. Key projects include a new transmission main connecting the Fulton and Carolina Service areas and a new transmission main connecting the Washington County Supply Line to the Burlingame and Westwood service areas. The program also includes maintenance to prevent corrosive deterioration and replace key valves and appurtenances. System priorities, project costs, and benefits are used to assess needs and to develop deficiencies. The Distribution System Master Plan, scheduled to begin in the near future, will assess the facilities' changing needs and includes an asset management program to ensure an effective use of funding as well as protect the bureau's investment in these facilities.									
Funding Sources									
Water Capital Fund	97,000	546,000	1,507,000	1,572,000	2,386,000	3,470,000	3,248,000	12,183,000	
Total Funding Sources	97,000	546,000	1,507,000	1,572,000	2,386,000	3,470,000	3,248,000	12,183,000	
Project Costs									
Construction/Equipment	20,000	130,000	1,297,000	1,372,000	2,116,000	2,985,000	2,118,000	9,888,000	
Design/Project Mgmt	77,000	416,000	210,000	200,000	270,000	485,000	1,130,000	2,295,000	
Total Project Costs	97,000	546,000	1,507,000	1,572,000	2,386,000	3,470,000	3,248,000	12,183,000	
Oper & Maint Costs	0	0	0	0	0	0	0	0	
PDOT Adjustments									
Area:								All	
Objective(s):								Mandated	
Project Description									
This ongoing program provides for relocation and adjustment of water facilities in City streets and roads to accommodate several City transportation projects managed by the City's Office of Transportation (PDOT). These projects include improvements to streets, bridges, ramps, overpasses, streetcar, and light rail projects. Reimbursement is expected for some of the work performed under this program, however, this program includes some work done at the bureau's discretion, to make improvements on the water system in the course of relocate and adjustments. The bureau bears the costs of improvements intended to reduce future maintenance and repair and avoid disturbing newly constructed roads and pavement if they are performed in conjunction with these relocations. Some funds for these improvements come from the Utility Relocation project. The bureau anticipates about 80% reimbursement overall for the program. Current projects include Transit Mall, I-205 Light Rail, Streetcar - Harrison Connector, Street Car Phase 3 (River Place Extension), SW Gibbs (N Macadam) Street Car, HOPE VI (Columbia Villa), NW /SW Naito Parkway, Killingsworth Street Improvements, and N Macadam Phase 1 (Bond Ave, Bancroft, and Gibbs).									
Funding Sources									
Water Capital Fund	813,000	1,120,000	1,052,000	25,000	25,000	1,025,000	1,025,000	3,152,000	
Interagencies Bureau Revenues	1,785,000	1,818,000	3,418,000	6,475,000	6,475,000	1,475,000	475,000	18,318,000	
Total Funding Sources	2,598,000	2,938,000	4,470,000	6,500,000	6,500,000	2,500,000	1,500,000	21,470,000	
Project Costs									
Design/Project Mgmt	528,000	381,000	894,000	1,300,000	1,300,000	500,000	300,000	4,294,000	
Construction/Equipment	2,070,000	2,557,000	3,576,000	5,200,000	5,200,000	2,000,000	1,200,000	17,176,000	
Total Project Costs	2,598,000	2,938,000	4,470,000	6,500,000	6,500,000	2,500,000	1,500,000	21,470,000	
Oper & Maint Costs	0	0	0	0	0	0	0	0	
Renew Hydrants									
Area:								All	
Objective(s):								Maintenance	
Project Description									
This program involves replacing fire hydrants that are no longer repairable or where repair parts are no longer available. Replacements may also occur as part of the bureau's ongoing efforts to standardize hydrant types in order to improve fire protection and enhance maintenance and repair efficiencies.									
Funding Sources									
Water Capital Fund	700,000	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000	
Total Funding Sources	700,000	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000	
Project Costs									
Design/Project Mgmt	140,000	100,000	100,000	100,000	100,000	100,000	100,000	500,000	
Construction/Equipment	560,000	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000	
Total Project Costs	700,000	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000	
Oper & Maint Costs	0	0	0	0	0	0	0	0	

Capital Improvement Plan — Public Utilities

Bureau of Water Works

PROJECT DETAIL

	Revised		Adopted		Capital Plan				
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total	
ODOT Adjustments									
	Area:							All	
	Objective(s):							Mandated	
Project Description									
This ongoing program provides for relocation and adjustment of water facilities in state highways, roads and freeways to accommodate Oregon Department of Transportation projects. Reimbursement is expected for some of the work performed under this program, however, this program includes some work done at the bureau's discretion, to make improvements on the water system in the course of relocations and adjustments. The bureau bears the costs of improvements intended to reduce future maintenance and repair and avoid disturbing newly constructed roads and pavement if they are performed in conjunction with these relocations. Some funds for these improvements come from the Utility Relocation project. The bureau anticipates about 50% reimbursement overall for the program. Current projects include MLK/Grand Viaduct, East Columbia/Lombard Connection, I-5 (Lombard - Victory Blvd) Widening and Columbia Blvd Interchange, I-5 South Preservation (Marquam So to County Line) and the Going Street Bridge Widening and Retrofit.									
Funding Sources									
Water Capital Fund	373,000	270,000	270,000	270,000	270,000	270,000	270,000	1,350,000	
Interagencies Bureau Revenues	870,000	405,000	405,000	405,000	405,000	405,000	405,000	2,025,000	
Total Funding Sources	1,243,000	675,000	675,000	675,000	675,000	675,000	675,000	3,375,000	
Project Costs									
Design/Project Mgmt	245,000	145,000	145,000	145,000	145,000	145,000	145,000	725,000	
Construction/Equipment	998,000	530,000	530,000	530,000	530,000	530,000	530,000	2,650,000	
Total Project Costs	1,243,000	675,000	675,000	675,000	675,000	675,000	675,000	3,375,000	
Oper & Maint Costs	0	0	0	0	0	0	0	0	
Pump Stations									
	Area:							All	
	Objective(s):							Replacement Efficiency	
Project Description									
The bureau operates and maintains more than 30 pump stations and 27 decorative fountains. This ongoing program ensures their continued reliable and efficient operation through major repairs, rehabilitation, and replacement. The Distribution System Master Plan will assess the facilities' changing needs and include an asset management program to ensure the effective use of funding as well as protect the bureau's investment in these facilities. Repair and rehabilitation projects consist of planned and emergency rehabilitation, major repairs and replacement of pumps and motors, piping modifications, electrical and motor control system replacement and improvement, and other site and equipment rehabilitation. This work is prioritized annually. Key projects include Stephenson Pump Station Replacement, renovation of the Fulton Pump Station, replacement of the Greenleaf Pump Station, and rehabilitation of the Burnside Pump Station.									
Funding Sources									
Water Capital Fund	222,000	620,000	1,167,000	425,000	580,000	1,570,000	927,000	4,669,000	
Total Funding Sources	222,000	620,000	1,167,000	425,000	580,000	1,570,000	927,000	4,669,000	
Project Costs									
Design/Project Mgmt	42,000	240,000	327,000	60,000	215,000	340,000	160,000	1,102,000	
Construction/Equipment	180,000	380,000	840,000	365,000	365,000	1,230,000	767,000	3,567,000	
Total Project Costs	222,000	620,000	1,167,000	425,000	580,000	1,570,000	927,000	4,669,000	
Oper & Maint Costs	0	0	0	0	0	0	0	0	
Tanks									
	Area:							All	
	Objective(s):							Replacement	
Project Description									
This program provides for construction of new water storage tanks and the rehabilitation of the bureau's more than 70 existing tanks that help ensure the system's high level of reliability. A key project is a new Forest Park Reservoir. In addition to new tanks for areas of growing demand and changing demographics, the program funds rehabilitation and improvements to tanks that are seismically unstable, undersized, structurally inadequate or need repainting. Storage tanks with overflow and drain systems that could damage property and violate the new state and federal regulations are also addressed.									
Funding Sources									
Water Capital Fund	190,000	140,000	535,000	500,000	1,125,000	2,595,000	2,830,000	7,585,000	
Total Funding Sources	190,000	140,000	535,000	500,000	1,125,000	2,595,000	2,830,000	7,585,000	
Project Costs									
Design/Project Mgmt	28,000	40,000	135,000	100,000	725,000	465,000	380,000	1,805,000	
Construction/Equipment	162,000	100,000	400,000	400,000	400,000	2,130,000	2,450,000	5,780,000	
Total Project Costs	190,000	140,000	535,000	500,000	1,125,000	2,595,000	2,830,000	7,585,000	
Oper & Maint Costs	0	0	0	0	0	0	0	0	

Capital Improvement Plan — Public Utilities

Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		

Distribution Mains

Area: All

Objective(s): Replacement

Project Description

Approximately 12 miles of new and replacement mains are installed annually to support ongoing expansion, rehabilitation, and replacement of the water distribution piping system and related appurtenances. The bureau accomplishes these activities through the implementation of several sub-projects. Projects include main replacement, new mains (supply & development), new hydrants, bridge mains, regulators, and others.

Funding Sources

Service Reimbursements	500,000	500,000	500,000	770,000	700,000	2,100,000	500,000	4,570,000
Water Capital Fund	4,410,000	4,400,000	4,400,000	5,100,000	5,100,000	5,500,000	5,100,000	25,200,000
Total Funding Sources	4,910,000	4,900,000	4,900,000	5,870,000	5,800,000	7,600,000	5,600,000	29,770,000

Project Costs

Design/Project Mgmt	310,000	300,000	300,000	500,000	500,000	500,000	300,000	2,100,000
Construction/Equipment	4,600,000	4,600,000	4,600,000	5,370,000	5,300,000	7,100,000	5,300,000	27,670,000
Total Project Costs	4,910,000	4,900,000	4,900,000	5,870,000	5,800,000	7,600,000	5,600,000	29,770,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Automated Meter Reading (AMR)

Area: All

Objective(s): Efficiency

Project Description

This project involves the continued evaluation of AMR technology for system-wide meter reading and the use of technology to resolve complications associated with hard-to-read meters. AMR technology increases meter reading efficiency and accuracy, increases employee and public safety (by reducing the hazards associated with reading/accessing meters), and reduces the bureau's cost to read these meters. With the implementation of monthly billing, AMR will become a more viable economic alternative to manual methods.

Funding Sources

Water Capital Fund	100,000	100,000	100,000	0	0	0	0	100,000
Total Funding Sources	100,000	100,000	100,000	0	0	0	0	100,000

Project Costs

Design/Project Mgmt	10,000	10,000	10,000	0	0	0	0	10,000
Construction/Equipment	90,000	90,000	90,000	0	0	0	0	90,000
Total Project Costs	100,000	100,000	100,000	0	0	0	0	100,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Meter Purchases

Area: All

Objective(s): Replacement

Project Description

This project funds purchases of large and small meters and services when meters no longer register accurately, or are no longer repairable. Meter purchases also occur when customers purchase a bureau permit for a new water service.

Funding Sources

Water Capital Fund	415,000	315,000	315,000	315,000	315,000	315,000	315,000	1,575,000
Total Funding Sources	415,000	315,000	315,000	315,000	315,000	315,000	315,000	1,575,000

Project Costs

Construction/Equipment	415,000	315,000	315,000	315,000	315,000	315,000	315,000	1,575,000
Total Project Costs	415,000	315,000	315,000	315,000	315,000	315,000	315,000	1,575,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Public Utilities
Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Utility Relocates								
								Area: All
								Objective(s): Replacement
Project Description								
This ongoing program provides funds for modifications to bureau water facilities that are associated with or necessary as result of PDOT, ODOT, and BES improvement projects. It is frequently advantageous at the time of relocation to make improvements to the water system infrastructure. These funds are for that portion of the water system improvement costs that are not covered by reimbursements from such agencies.								
Funding Sources								
Water Capital Fund	2,500,000	500,000	500,000	1,000,000	2,500,000	2,500,000	2,500,000	9,000,000
Total Funding Sources	2,500,000	500,000	500,000	1,000,000	2,500,000	2,500,000	2,500,000	9,000,000
Project Costs								
Design/Project Mgmt	150,000	50,000	50,000	150,000	150,000	150,000	150,000	650,000
Construction/Equipment	2,350,000	450,000	450,000	850,000	2,350,000	2,350,000	2,350,000	8,350,000
Total Project Costs	2,500,000	500,000	500,000	1,000,000	2,500,000	2,500,000	2,500,000	9,000,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Services								
								Area: All
								Objective(s): Maintenance
Project Description								
This program provides for installation of new water services and replacement of existing water services. The project is similar to the Distribution Mains program in that it provides for construction of new water services requested by customers for new development as well as redevelopment. The requesting customer reimburses the Bureau for costs of new services. This program also provides for the replacement of old and leaking water services between the main and the meter.								
Funding Sources								
Reimbursements	0	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	9,000,000
Water Capital Fund	0	280,000	280,000	280,000	280,000	280,000	280,000	1,400,000
Total Funding Sources	0	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	10,400,000
Project Costs								
Design/Project Mgmt	0	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000
Construction/Equipment	0	1,780,000	1,780,000	1,780,000	1,780,000	1,780,000	1,780,000	8,900,000
Total Project Costs	0	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	10,400,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Large Meter Replacement & Design								
								Area: All
								Objective(s): Replacement
Project Description								
This program will replace all large meters (>1") installed prior to 1986. The replacements will occur over eight to ten years and will ensure compliance with provisions of the Safe Water Drinking Act (SWDA) and standards for meter accuracy and water service design. In addition the bureau will install automatic meter reading devices and provide non-skid access lids where feasible.								
Funding Sources								
Water Capital Fund	335,000	915,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000
Total Funding Sources	335,000	915,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000
Project Costs								
Construction/Equipment	71,000	854,000	1,439,000	1,439,000	1,439,000	1,439,000	1,439,000	7,195,000
Design/Project Mgmt	264,000	61,000	61,000	61,000	61,000	61,000	61,000	305,000
Total Project Costs	335,000	915,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities

Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	
Regulator Maintenance								
Area:								All
Objective(s):								Maintenance/
Project Description								
This program provides for maintenance or replacement needs of existing pressure regulator facilities. There are 255 regulator stations with about 640 regulators. This program also includes replacing pressure regulating that are no longer repairable or where repair parts are no longer available. Replacements may also occur as part of the bureau's ongoing efforts to standardize regulator types in order to maintain stable water distribution system pressure and enhance maintenance and repair efficiencies. This work includes modifications to bureau facilities to meet current safety and regulatory requirements.								
Funding Sources								
Water Capital Fund	0	0	200,000	200,000	200,000	200,000	200,000	1,000,000
Total Funding Sources	0	0	200,000	200,000	200,000	200,000	200,000	1,000,000
Project Costs								
Design/Project Mgmt	0	0	20,000	20,000	20,000	20,000	20,000	100,000
Construction/Equipment	0	0	180,000	180,000	180,000	180,000	180,000	900,000
Total Project Costs	0	0	200,000	200,000	200,000	200,000	200,000	1,000,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Facilities & Equipment								
Facilities Security								
Area:								All
Objective(s):								Efficiency
Project Description								
The bureau operates over 16 major critical facilities including dams, water supply facilities, reservoirs, pump stations, offices and operations yards, and over 140 important smaller pump stations and tanks. This project provides for heightened security at these facilities and sites.								
Water Capital Fund	629,000	200,000	1,500,000	575,000	600,000	750,000	870,000	4,295,000
Total Funding Sources	629,000	200,000	1,500,000	575,000	600,000	750,000	870,000	4,295,000
Project Costs								
Construction/Equipment	0	0	1,200,000	460,000	480,000	600,000	696,000	3,436,000
Design/Project Mgmt	629,000	200,000	300,000	115,000	120,000	150,000	174,000	859,000
Total Project Costs	629,000	200,000	1,500,000	575,000	600,000	750,000	870,000	4,295,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Water Control Center								
Area:								All
Objective(s):								Maintenance/
Project Description								
The central water system control and monitoring system is maintained and enhanced through this program. The bureau's Supervisory Control and Data Acquisition (SCADA) system is linked with remote telemetry units (RTU's) installed in pump stations, tanks, valves, and at other sites throughout the water system via telephone, microwave, and radio communications. This program provides for the water system's operational reliability and efficiency by ensuring that a dependable SCADA system and communications network is developed and maintained. A key focus of this project will be to replace the remote telemetry units at over 140 remote sites. The existing units are over 15 years old and are becoming obsolete. The servers are at the end of their service cycle and must also be replaced, and the polling component of the SCADA software package will be upgraded.								
Funding Sources								
Water Capital Fund	147,000	372,000	697,000	612,000	522,000	372,000	372,000	2,575,000
Total Funding Sources	147,000	372,000	697,000	612,000	522,000	372,000	372,000	2,575,000
Project Costs								
Design/Project Mgmt	27,000	52,000	110,000	100,000	92,000	52,000	52,000	406,000
Construction/Equipment	120,000	320,000	587,000	512,000	430,000	320,000	320,000	2,169,000
Total Project Costs	147,000	372,000	697,000	612,000	522,000	372,000	372,000	2,575,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities

Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	
Interstate Site Improvements								
								Area: NE
								Objective(s): Replacement
Project Description								
This project develops and implements a comprehensive program of repairs, rehabilitation, and improvements that will increase the utility of the bureau's eastside operations and maintenance facility located on N Interstate Avenue. The project includes the following components: (1) Facilities Master Plan; (2) Acquisition, demolition, and remediation of properties surrounded by or adjacent to the existing site; (includes the Westinghouse Building and an old foundry); (3) Phased rehabilitation and site reconstruction that addresses seismic and site vulnerabilities, emergency operations and security systems.								
Funding Sources								
Water Capital Fund	10,000	250,000	1,170,000	4,670,000	3,970,000	1,500,000	0	11,310,000
Total Funding Sources	30,000	250,000	1,170,000	4,670,000	3,970,000	1,500,000	0	11,310,000
Project Costs								
Site Acquisition	0	0	0	600,000	0	0	0	600,000
Construction/Equipment	0	200,000	0	3,370,000	3,570,000	1,200,000	0	8,140,000
Design/Project Mgmt	30,000	50,000	1,170,000	700,000	400,000	300,000	0	2,570,000
Total Project Costs	30,000	250,000	1,170,000	4,670,000	3,970,000	1,500,000	0	11,310,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Building Maintenance								
								Area: All
								Objective(s): Maintenance
Project Description								
This project provides for capital maintenance of buildings and grounds owned by the Water Bureau. The necessary work on structural repair and maintenance of buildings and grounds include electrical, roofing, paving, and remodeling. This project also consists of repairs due to vandalism, compliance with safety and access regulations, and other related tasks. Current work includes: seismic upgrade and roof repair at the Sandy River Station.								
Funding Sources								
Water Rates	25,000	200,000	0	0	0	0	0	0
Water Capital Fund	150,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Total Funding Sources	175,000	400,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Project Costs								
Design/Project Mgmt	55,000	220,000	60,000	60,000	60,000	60,000	60,000	300,000
Construction/Equipment	120,000	180,000	140,000	140,000	140,000	140,000	140,000	700,000
Total Project Costs	175,000	400,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Microwave/Communications System								
								Area: E
								Objective(s): Replacement
Project Description								
This project will strengthen weak and unsecured communication links between several bureau facilities. Future phases of the project will include the evaluation and upgrade of communications capabilities at remote bureau facilities, such as the Sandy River Station, Lusted Hill, Groundwater Pump Station, and the Powell Butte Reservoir. The project objectives are to improve employee safety at remote facilities and reduce the potential for vandalism and other unauthorized acts at or to bureau facilities. The project will reduce the need for leased phone lines, resulting in substantial cost savings that will offset ongoing maintenance expenses for the microwave system. In addition, the project will provide for more security for the bureau's communication, data, and Supervisory Control and Data Acquisition links.								
Funding Sources								
Water Capital Fund	0	0	0	100,000	250,000	0	0	350,000
Total Funding Sources	0	0	0	100,000	250,000	0	0	350,000
Project Costs								
Construction/Equipment	0	0	0	0	200,000	0	0	200,000
Design/Project Mgmt	0	0	0	100,000	50,000	0	0	150,000
Total Project Costs	0	0	0	100,000	250,000	0	0	350,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities
Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Equipment Purchases								
	Area:							All
	Objective(s):							Maintenance
Project Description								
This program funds equipment purchases with a unit cost in excess of \$5,000, and an expected life of one year or more. Computer software -- with a unit cost in excess of \$5,000 -- and vehicles, including heavy equipment, are also covered under the equipment purchases program.								
Funding Sources								
Water Capital Fund	1,974,000	2,138,400	3,349,000	1,878,000	2,728,000	2,330,000	1,645,000	11,930,000
Total Funding Sources	1,974,000	2,138,400	3,349,000	1,878,000	2,728,000	2,330,000	1,645,000	11,930,000
Project Costs								
Construction/Equipment	1,974,000	2,138,400	3,349,000	1,878,000	2,728,000	2,330,000	1,645,000	11,930,000
Total Project Costs	1,974,000	2,138,400	3,349,000	1,878,000	2,728,000	2,330,000	1,645,000	11,930,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Groundwater Supply								
Groundwater System Upgrade								
	Area:							NE
	Objective(s):							Expansion
Project Description								
The Columbia South Shore well field (CSSW) is the second-largest public water supply in Oregon and serves as a backup to the largest source, the Bull Run watershed. A 1999-2000 facility plan completed by the bureau identified a need to upgrade the reliable well system yield from 70 to 95 million gallons per day (mgd). The resulting groundwater supply program is aimed at fulfilling the goal of improving reliable capacity along with other capital improvements to ensure the continued availability of the critical regional backup source. Improvements in prior years have provided a long-term well capacity of approximately 75 to 80 mgd; planned improvements will provide additional capacity toward the 95 mgd goal. Aquifer Storage and Recovery (ASR) is being explored to test the feasibility of storing surplus winter flows of the Bull Run underground in the well field's deep aquifer to provide a higher peak season yield of Bull Run quality water. In addition to the investments in the CSSW, a new 10 mgd well field is planned for the Bull Run watershed using a deep aquifer system that does not draw water from the reservoirs. In addition to increasing overall backup well capacity, the development of the Bull Run deep aquifer would provide a backup source at the top of the water system that will ease operational difficulties during turbidity events, and create additional future potential for ASR in the watershed. The combined ASR and capacity improvements are intended to increase the reliability of the regional backup system and to increase the peak season yield of Bull Run through conjunctive use.								
Funding Sources								
Water Capital Fund	2,525,000	4,028,000	3,083,000	4,550,000	3,660,000	2,505,000	2,370,000	16,168,000
Total Funding Sources	2,525,000	4,028,000	3,083,000	4,550,000	3,660,000	2,505,000	2,370,000	16,168,000
Project Costs								
Site Acquisition	400,000	400,000	200,000	0	0	0	0	200,000
Design/Project Mgmt	495,000	1,100,000	580,000	800,000	400,000	500,000	500,000	2,780,000
Construction/Equipment	1,630,000	2,528,000	2,303,000	3,750,000	3,260,000	2,005,000	1,870,000	13,188,000
Total Project Costs	2,525,000	4,028,000	3,083,000	4,550,000	3,660,000	2,505,000	2,370,000	16,168,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Wellfield Rehabilitation								
	Area:							All
	Objective(s):							Maintenance
Project Description								
This ongoing program provides for rehabilitation and improvements to the bureau's Columbia South Shore Wellfield, which is the backup water supply for the City and its wholesale customers. Capital maintenance projects include pump and motor overhauls, well testing and re-development, pump station upgrades, and wellhead upgrades. The program addresses well pump and motor maintenance for two to three wells per year and rotating through the entire wellfield once, approximately every 10 to 15 years. A shorter (approximately five-year program) is tentatively planned to address physical upgrades to subsurface well components, this project may involve pulling and replacing the well screen, retrofitting screens with needed pressure relief assemblies, or well deepening. The current budget assumes two well pump and motor rehab projects per year at \$300,000, and an additional \$300,000 to \$350,000 per year when a well rehabilitation is completed. Capital maintenance to the groundwater pump station (including the large pumps and motor control centers) is anticipated but not planned to occur during the current 10-year planning cycle, and is therefore not currently budgeted. Complete replacement of wells is also not included in the maintenance budget.								
Funding Sources								
Water Capital Fund	290,000	410,000	300,000	350,000	645,000	645,000	645,000	2,585,000
Total Funding Sources	290,000	410,000	300,000	350,000	645,000	645,000	645,000	2,585,000
Project Costs								
Design/Project Mgmt	60,000	60,000	60,000	60,000	150,000	150,000	150,000	570,000
Construction/Equipment	230,000	350,000	240,000	290,000	495,000	495,000	495,000	2,015,000
Total Project Costs	290,000	410,000	300,000	350,000	645,000	645,000	645,000	2,585,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities

Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Small Wells								
Area:								Undefined
Objective(s):								Maintenance
Project Description								
The bureau acquired a number of small municipal water supply wells through annexation and the Parks Bureau. The annexed wells are mostly not in service. An assessment of the bureau's small wells in FY 1998-99 identified seven wells to be decommissioned and eight wells that must be rebuilt for water quality testing and reconstructed as non-potable water sources or to provide as an emergency source. Two wells have subsequently been temporarily connected to the groundwater system. Improvements to the remaining six wells have been prioritized and sequenced over the next several years. One well has been fully decommissioned. An additional task that has been identified involves decommissioning old monitoring wells in the Columbia South Shore wellfield.								
Funding Sources								
Water Rates	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Project Costs								
Design/Project Mgmt	10,000	10,000	10,000	10,000	10,000	10,000	10,000	50,000
Construction/Equipment	40,000	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Total Project Costs	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Groundwater Remediation								
Area:								NE
Objective(s):								Maintenance
Project Description								
Investigation and remediation of groundwater contamination is anticipated to continue at various sites in and near the City's Columbia South Shore Well Field (CSSW) through the next decade. As in previous years, the budget assumes that responsible parties and the Oregon Department of Environmental Quality (ODEQ) will fund and conduct the majority of the work, and that a City contractor will assist the bureau in performing oversight and review of work done by or submitted to ODEQ. The overall approach was formalized several years ago in an intergovernmental agreement (IGA) between the City and ODEQ known as the Remediation Partnership Agreement (RPA), which is coming up for renewal this fiscal year. The IGA is intended to ensure rapid identification and cleanup of soil and groundwater contamination sites in the CSSW, to protect groundwater quality and allow unrestricted use of the well field when groundwater is needed by the city for emergency or supplemental supply. The budget also assumes that the bureau, in conjunction with a contractor, will need to perform a limited amount of in-house subsurface investigations to independently assess groundwater conditions and the potential risks posed by soil and groundwater contamination sites in the NE Holman Redevelopment Area, along NE 148th Avenue, and possibly in other areas of the well field.								
Funding Sources								
Water Rates	150,000	150,000	100,000	100,000	100,000	100,000	100,000	500,000
Total Funding Sources	150,000	150,000	100,000	100,000	100,000	100,000	100,000	500,000
Project Costs								
Design/Project Mgmt	150,000	150,000	100,000	100,000	100,000	100,000	100,000	500,000
Total Project Costs	150,000	150,000	100,000	100,000	100,000	100,000	100,000	500,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Wellhead Protection/Monitoring Wells								
Area:								NE
Objective(s):								Maintenance
Project Description								
This project involves locating, designing, and constructing monitoring wells for the bureau's Columbia South Shore Well Field wellhead protection monitoring well network. It also includes installation of groundwater monitoring wells to assess and evaluate previously identified contamination in wellfield aquifers (primarily the upper Troutdale Gravel Aquifer), in support of various Groundwater Remediation projects. Additional groundwater monitoring wells are necessary to fill remaining gaps in the monitoring well network, complete groundwater contamination assessments, and replace aging wells that are no longer suitable for monitoring. The bureau has installed approximately 5 to 10 new groundwater monitoring wells each year for the past two fiscal years, and has plans to continue adding new groundwater monitoring wells to the groundwater monitoring network at approximately this rate for several more years to complete the groundwater monitoring network. Evaluating groundwater quality in the new monitoring wells will increase the bureau's operations and maintenance costs as more wells are installed, although some adjustments are possible to the bureau's groundwater sampling and analysis program to mitigate these operations and maintenance cost increases. The data from the monitoring wells generally indicates that groundwater quality in the bureau's production wells is very good, although some areas of shallow groundwater contamination have been identified and are being investigated further.								
Funding Sources								
Water Capital Fund	300,000	300,000	300,000	200,000	200,000	200,000	200,000	1,100,000
Total Funding Sources	300,000	300,000	300,000	200,000	200,000	200,000	200,000	1,100,000
Project Costs								
Construction/Equipment	150,000	150,000	150,000	100,000	100,000	100,000	100,000	550,000
Design/Project Mgmt	150,000	150,000	150,000	100,000	100,000	100,000	100,000	550,000
Total Project Costs	300,000	300,000	300,000	200,000	200,000	200,000	200,000	1,100,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities
Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan						5-Year Total
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09		

Planning & Management

Water Loss Reduction

Area: All

Objective(s): Efficiency

Project Description

This project continues the bureau's efforts to identify, quantify, and reduce water losses within the Distribution System, at City-owned facilities, and at facilities of large water customers. The project provides limited funding to purchase, install, and/or calibrate demand control area metering, add SCADA monitoring to existing meters, obtain new equipment for identifying leaks, and develop techniques to graphically display leakage density and use leak data to prioritize maintenance activities. Funds to repair leaks are not included in this project. As part of this continuing project, analysis techniques will be developed to electronically compare customer billing data from the Customer Information System within a defined geographic area to Supervisory Control & Data Acquisition system flows into that area. This information will be used to focus leak detection efforts on areas that appear to have higher than average leakage rates.

Funding Sources

Water Rates	50,000	50,000	50,000	50,000	50,000	100,000	100,000	350,000
Total Funding Sources	50,000	50,000	50,000	50,000	50,000	100,000	100,000	350,000

Project Costs

Construction/Equipment	10,000	35,000	35,000	35,000	35,000	85,000	85,000	275,000
Design/Project Mgmt	40,000	15,000	15,000	15,000	15,000	15,000	15,000	75,000
Total Project Costs	50,000	50,000	50,000	50,000	50,000	100,000	100,000	350,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Peak Offload/Backup Wells for Hospital

Area: SW

Objective(s): Expansion

Project Description

During the flood of 1996, the ensuing turbidity problems with the Bull Run water supply made it apparent that many local hospitals are in need of reliable emergency water supplies to flush toilets and provide cooling for medical equipment. (The hospitals stock water for drinking as result of state and federal requirements.) In addition, hospitals need supplies for irrigation during summertime peaks. This project continues a partnership between the Water Bureau and metropolitan area hospitals to provide assistance for the construction of onsite water wells. This project accomplishes three goals: (1) reducing large summer irrigation peaking loads on the Bull Run, (2) providing emergency water supplies to area hospitals should there be problems with the supply system, and (3) making hospitals and other healthcare facilities independent of the bureau's distribution system should the supply be contaminated. The project's primary benefit is to reduce future capital construction costs for the bureau and reduce the need for bureau-funded alternate distribution and supply systems routes to these facilities. One important additional benefit is that healthcare facilities (especially the two trauma centers) will have secure water supplies in an emergency should the distribution system be contaminated by natural or human acts.

Funding Sources

Water Rates	150,000	0	0	0	0	0	150,000	150,000
Total Funding Sources	150,000	0	0	0	0	0	150,000	150,000

Project Costs

Design/Project Mgmt	30,000	0	0	0	0	0	30,000	30,000
Construction/Equipment	120,000	0	0	0	0	0	120,000	120,000
Total Project Costs	150,000	0	0	0	0	0	150,000	150,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Facility Standards

Area: All

Objective(s): Efficiency

Project Description

The bureau currently uses general standards when developing, designing, and constructing projects. Developing standards specific to the bureau's facilities and developing a consistent in-house reference document for pipeline sizing, distribution network grids, storage tanks, pumping, site design, and pressure regulation will increase design efficiency and consistency, resulting in a safer and more efficient water system. This project will develop these in-house standards and reference documents.

Funding Sources

Water Rates	5,000	0	0	5,000	5,000	5,000	5,000	20,000
Total Funding Sources	5,000	0	0	5,000	5,000	5,000	5,000	20,000

Project Costs

Design/Project Mgmt	5,000	0	0	5,000	5,000	5,000	5,000	20,000
Total Project Costs	5,000	0	0	5,000	5,000	5,000	5,000	20,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Public Utilities

Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	
Industrial Conservation								
	Area:							All
	Objective(s):							Efficiency
Project Description								
This is a pilot project that provides incentives in the form of seed money loans to industrial, commercial, institutional, and government water users that install water conservation measures at their facilities. The loans will be repaid from water savings over a five-year period. The process for evaluating and selecting recipients will be developed in conjunction with the City Attorney's Office. It is anticipated that the program will be self-perpetuating after 10 years and no additional funds would be needed from the CIP. The City's water system will benefit from the cost-effective use of the existing supply by large users.								
Funding Sources								
Water Rates	0	0	0	30,000	30,000	30,000	30,000	120,000
Total Funding Sources	0	0	0	30,000	30,000	30,000	30,000	120,000
Project Costs								
Design/Project Mgmt	0	0	0	30,000	30,000	30,000	30,000	120,000
Total Project Costs	0	0	0	30,000	30,000	30,000	30,000	120,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Bulk Water Use Management								
	Area:							All
	Objective(s):							Efficiency
Project Description								
Currently, contractors, businesses, and other customers take City water directly from any one of the 13,000+ hydrants. The use of hydrants for obtaining water is operated on an honor system. Annual permit holders are billed based on an estimated amount. Concerns of the present program include unaccounted water losses, poor water quality, improper hydrant use, and security issues such as deliberate contamination of water supplies. The Bulk Water Use Management project will investigate various methods to better manage bulk water use for City and non-City customers. Such methods may include restricted access to hydrants, specified use of hydrants, enforcement, installation of bulk pay stations throughout the city, and use of water trucks. A stakeholder group has been convened to work on this project. There is potential for this to become a joint project with the Bureau of Environmental Services that may be able to charge users for discharges to the City's sewer systems that currently go uncollected. Anticipated benefits are reductions in hydrant repair and maintenance costs, minimization of cross-connections (and consequently fewer water quality complaints), better management of water needs, and reduction of administrative costs. Savings accrued by reduced hydrant maintenance may provide a funding source for the annual operation and maintenance costs of the program.								
Funding Sources								
Interagencies Bureau Revenues	10,000	25,000	50,000	100,000	100,000	100,000	100,000	450,000
Water Capital Fund	10,000	25,000	50,000	100,000	100,000	100,000	100,000	450,000
Total Funding Sources	20,000	50,000	100,000	200,000	200,000	200,000	200,000	900,000
Project Costs								
Construction/Equipment	0	0	0	170,000	170,000	170,000	170,000	680,000
Design/Project Mgmt	20,000	50,000	100,000	30,000	30,000	30,000	30,000	220,000
Total Project Costs	20,000	50,000	100,000	200,000	200,000	200,000	200,000	900,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Water System Studies								
	Area:							All
	Objective(s):							Maintenance
Project Description								
This project provides a funding placeholder for the expensed portion of the Capital Plan to conduct assessments and studies necessary to effectively plan, evaluate, and develop strategies and direction for operation, maintenance, replacement, and expansion of the water system in future years where specific studies have yet to be identified. These conceptual and feasibility level studies will inform decision making regarding necessary system enhancements or modifications.								
Funding Sources								
Water Rates	0	0	0	1,040,000	1,330,000	1,760,000	1,395,000	5,525,000
Total Funding Sources	0	0	0	1,040,000	1,330,000	1,760,000	1,395,000	5,525,000
Project Costs								
Design/Project Mgmt	0	0	0	1,040,000	1,330,000	1,760,000	1,395,000	5,525,000
Total Project Costs	0	0	0	1,040,000	1,330,000	1,760,000	1,395,000	5,525,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities

Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09		

Infrastructure Master Plan (IMP)

Area: All

Objective(s): Efficiency

Project Description

This program will develop preferred strategies to address short and long term water system infrastructure needs, including aging facilities, growth and added capacity, vulnerability, reliability, and regulatory requirements for treatment and the Endangered Species Act (ESA). The IMP is intended to provide a long term context for those projects with long planning and construction timeframes. It will also provide a context for prioritizing and scheduling more immediate projects in the CIP. The first phase of the project is focused on the supply system backbone -- the supply, transmission, terminal storage and treatment system components -- and included a system vulnerability assessment of the system backbone to improve reliability. Continued refinement will be needed to address the uncertainties still facing the bureau such as the impacts of ESA, wholesale contract renewals, and new treatment regulations. The next phase of the project is the Distribution System Master Plan. The Distribution System Master Plan is intended to identify the long term needs and direction of improvements to the distribution system. The master plan will provide a comprehensive assessment of the condition of existing facilities, existing deficiencies in configuration and capacity, and improvement projects needed to mitigate existing deficiencies. The Master Plan is also planned to develop and recommend an ongoing maintenance program for distribution facilities.

Funding Sources

Water Rates	200,000	200,000	250,000	250,000	100,000	0	0	600,000
Total Funding Sources	200,000	200,000	250,000	250,000	100,000	0	0	600,000
Project Costs								
Design/Project Mgmt	200,000	200,000	250,000	250,000	100,000	0	0	600,000
Total Project Costs	200,000	200,000	250,000	250,000	100,000	0	0	600,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

RWSP Revision

Area: All

Objective(s): Expansion

Project Description

Review and update of the Regional Water Supply Plan (RWSP) is required every five years both in the plan itself and in the implementing intergovernmental agreement. As the current RWSP was approved in 1996, the first revision began in 2001. The RWSP Update project will include reviewing and updating RWSP policy objectives, developing new water demand forecasts, updated information on new or expanded source alternatives, development of a new integration model called Confluence to reflect new information and evolving priorities, and a revised set of planned strategies based on this review. The Regional Water Providers Consortium is the implementing body for the RWSP and its associated revisions. Under an existing intergovernmental agreement with the consortium, the City of Portland provides staff for the consortium including some of the work on the revision of the RWSP. Based on the existing dues structure the plan revision is anticipated to be funded 30% by the Water Bureau and 70% by other consortium members. The first update will be completed in 2004, and the next one would not be due until 2009.

Funding Sources

Water Rates	100,000	0	0	0	0	0	100,000	100,000
Partnership	200,000	0	0	0	0	0	200,000	200,000
Total Funding Sources	300,000	0	0	0	0	0	300,000	300,000
Project Costs								
Design/Project Mgmt	300,000	0	0	0	0	0	300,000	300,000
Total Project Costs	300,000	0	0	0	0	0	300,000	300,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Maintenance Management System

Area: CC

Objective(s): Efficiency

Project Description

This project will develop and implement improvements to the bureau's operations and maintenance work processes, particularly those that can be enhanced by technology.

Funding Sources

Water Rates	0	250,000	500,000	500,000	400,000	0	0	1,400,000
Total Funding Sources	0	250,000	500,000	500,000	400,000	0	0	1,400,000
Project Costs								
Design/Project Mgmt	0	100,000	100,000	100,000	100,000	0	0	300,000
Construction/Equipment	0	150,000	400,000	400,000	300,000	0	0	1,100,000
Total Project Costs	0	250,000	500,000	500,000	400,000	0	0	1,400,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities

Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	Total
GIS Water Bureau								
	Area:							All
	Objective(s):							Efficiency
Project Description								
The bureau has created a Geographic Information System (GIS) to increase efficiency in operating and maintaining the water supply and distribution system. This GIS links electronic maps with associated data for display and analysis. Project work will include creating new tools and establishing links with other information systems within the bureau, including the Customer Billing System, Supervisory Control and Data Acquisition System, Hydraulic Analysis Model, Laboratory Information Management System, and the Citywide (corporate) GIS. The resulting integrated information will be available within the bureau and Citywide, providing greater access to mapping, customer service, and facility records by Bureau and City employees. The new tools and applications will primarily focus on improving staff productivity entering information into the GIS, establishing links to other systems, and making the existing information more accessible to bureau and City employees.								
Funding Sources								
Water Rates	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Project Costs								
Design/Project Mgmt	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Project Costs	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Project Management System								
	Area:							All
	Objective(s):							Efficiency
Project Description								
This project is for a project management system for estimating and tracking project staffing, costs, schedules, budgets and contracts. A project management system is essential to the effective implementation of the more complex and growing CIP. A new system has been developed using MS Access. The next phase will include integration of expenditures and detailed cost tracking with the project tracking system for a complete project management system. The system is expected to primarily benefit CIP projects, but it may also be applied bureau-wide. Ongoing operations and maintenance costs for the system are expected to be offset by savings resulting from more efficient project management and cost controls.								
Funding Sources								
Water Rates	40,000	20,000	250,000	250,000	0	0	0	500,000
Total Funding Sources	40,000	20,000	250,000	250,000	0	0	0	500,000
Project Costs								
Construction/Equipment	0	0	100,000	200,000	0	0	0	300,000
Design/Project Mgmt	40,000	20,000	150,000	50,000	0	0	0	200,000
Total Project Costs	40,000	20,000	250,000	250,000	0	0	0	500,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Customer Demand Monitoring								
	Area:							All
	Objective(s):							Efficiency
Project Description								
This project involves the implementation of an automated remote meter reading system that allows the bureau to monitor customers' water demands every 15 minutes for about 450 individual customers in the City of Portland and 300 within the Tualatin Valley Water District. Data collected via this system can be used to estimate price elasticity of demand for various residential customer classes. Data will also be used to develop benchmarks for conservation programs, improve design and operations standards, calibrate and validate water distribution models, and to provide accurate data describing peak-usage behavior within the residential customer group on a system-wide basis. Within the Portland city limits, automated metering devices were installed at approximately 500 single-family meter sites and at a small number of commercial sites. Devices also were installed at a multi-family complex (110 units), which allows comparison between sub-metered and bulk-metered usage in a multi-family setting with two similar projects. Installation at 300 residential sites in the Tualatin Valley Water District have been completed. Plans for future years include the potential deployment of 300 units each in the cities of Gresham and/or Tualatin if contributing funding is provided by those entities.								
Funding Sources								
Partnership	0	0	0	0	0	200,000	200,000	400,000
Water Rates	40,000	95,000	0	0	0	0	0	0
Total Funding Sources	40,000	95,000	0	0	0	200,000	200,000	400,000
Project Costs								
Design/Project Mgmt	40,000	95,000	0	0	0	200,000	200,000	400,000
Total Project Costs	40,000	95,000	0	0	0	200,000	200,000	400,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities
Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	Total

Storage & Transmission

Conduit Vulnerability Reduction

Area: E

Objective(s): Maintenance

Project Description

Conduits 2, 3, and 4 and their related structures are critical elements of Portland's water system, and the primary supply line from the Bull Run to the city. The System Vulnerability Assessment (SVA) study that was completed in September 2000 recommended mitigation to reduce the vulnerability of the conduits to multi-hazard risk from various natural and man-made hazards, including earthquakes, landslide, flooding, operational error, etc. This project involves multi-phase projects over the course of 10 to 20 years to increase the bureau's system reliability. The primary focus of this project is strengthening or burying the 22 above-ground sections (trestles) of the conduits. A related project is the burial of one crossing and the strengthening of the other crossing of the Sandy River.

Funding Sources

Water Capital Fund	500,000	250,000	1,400,000	1,850,000	1,493,000	110,000	1,082,000	5,935,000
Total Funding Sources	500,000	250,000	1,400,000	1,850,000	1,493,000	110,000	1,082,000	5,935,000

Project Costs

Design/Project Mgmt	200,000	250,000	280,000	350,000	285,000	110,000	200,000	1,225,000
Construction/Equipment	300,000	0	1,120,000	1,500,000	1,208,000	0	882,000	4,710,000
Total Project Costs	500,000	250,000	1,400,000	1,850,000	1,493,000	110,000	1,082,000	5,935,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Conduit Relocate/Sandy River

Area: E

Objective(s): Replacement

Project Description

To enhance system reliability, the bureau plans to relocate from above ground to below ground the three water supply conduit crossings the Sandy River near Dodge Park. Conduits 2 and 4 cross the Sandy River on a century-old pipeline bridge adjacent to the Lusted Road Highway Bridge. About a half-mile downstream, Conduit 3 crosses on a pipeline bridge built in 1924. The pipelines were not designed to withstand the earthquake loads required by modern building codes, volcano-generated mudflows, flooding, or other potential hazards. A feasibility study and preliminary engineering assessment was used to select the preferred alternative. Construction of the new crossings will be accomplished in phases. The first phase, occurring over the next five years, will involve relocating Conduit 3 and provide accommodation for the future crossing of Conduit 5. The second crossing for Conduits 2 and 4 is beyond the timeframe of the CIP.

Funding Sources

Water Capital Fund	92,300	0	73,000	700,000	5,400,000	5,700,000	0	11,873,000
Total Funding Sources	92,300	0	73,000	700,000	5,400,000	5,700,000	0	11,873,000

Project Costs

Construction/Equipment	0	0	0	100,000	4,400,000	4,700,000	0	9,200,000
Design/Project Mgmt	92,300	0	73,000	600,000	1,000,000	1,000,000	0	2,673,000
Total Project Costs	92,300	0	73,000	700,000	5,400,000	5,700,000	0	11,873,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Public Utilities

Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Open Reservoirs								
								E
								Objective(s): Mandated
Project Description								
Proposed EPA drinking water regulations will require that the open reservoirs be covered, treated, or have a risk management approach that will include all or some combination of the following: restricted access and setbacks, covers, additional security, and additional monitoring. The Open Reservoirs Study found that the aging reservoirs -- built between 1894 and 1911 -- are vulnerable to contamination and are a weak link in the bureau's water quality protection program. In 2002, City Council approved temporary floating covers for the Washington Park Reservoirs and burial of the Mt. Tabor reservoirs. A public process to determine what park improvements would go with the buried reservoirs was conducted in 2003.								
Funding Sources								
Other Financing (External)	0	0	0	5,000,000	5,000,000	0	0	10,000,000
Water Rates	400,000	0	40,000	0	0	0	0	40,000
Water Capital Fund	5,000,000	15,750,000	5,550,000	13,050,000	13,050,000	18,050,000	13,050,000	62,750,000
Total Funding Sources	5,400,000	15,750,000	5,590,000	18,050,000	18,050,000	18,050,000	13,050,000	72,790,000
Project Costs								
Construction/Equipment	1,400,000	9,550,000	3,325,000	16,690,000	17,300,000	17,300,000	12,450,000	67,065,000
Design/Project Mgmt	4,000,000	6,200,000	2,265,000	1,360,000	750,000	750,000	600,000	5,725,000
Total Project Costs	5,400,000	15,750,000	5,590,000	18,050,000	18,050,000	18,050,000	13,050,000	72,790,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Powell Butte Reservoirs								
								SE
								Objective(s): Expansion
Project Description								
Construction of additional storage at Powell Butte has been deferred. Funding in this project is to assess the needs and the costs of a seismic upgrade to Powell Butte Reservoir #1, overflow piping system, and an emergency bypass connection to the Washington County Supply Line.								
Funding Sources								
Water Capital Fund	50,000	0	0	200,000	0	0	0	200,000
Total Funding Sources	50,000	0	0	200,000	0	0	0	200,000
Project Costs								
Construction/Equipment	0	0	0	160,000	0	0	0	160,000
Design/Project Mgmt	50,000	0	0	40,000	0	0	0	40,000
Total Project Costs	50,000	0	0	200,000	0	0	0	200,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Conduit Isolation & Improvements								
								E
								Objective(s): Maintenance
Project Description								
Construction of five major interties between the three existing water supply conduits that carry water from the Bull Run to the Powell Butte and Mt. Tabor reservoirs will enable sections of the conduits to be removed from service as needed for maintenance or emergencies. With the improvements, if a conduit breaks, flow can be diverted around a broken section to another conduit. In previous years, the bureau performed hydraulic, geotechnical, seismic, and structural analyses of the conduits. These studies identified numerous necessary improvements, including the construction of interties, installation of additional air valves, and replacement of existing air valves. Preliminary engineering studies were conducted to select final design options. Final design for the Hudson's Road Intertie will be complete in 2003 and construction completed in 2005. Construction of the Larson's Intertie was completed in 2002. With the addition of these two interties, the most vulnerable section of the conduits can be isolated. The remaining interties are planned for future years; and will be built in conjunction with Conduit 5 or other conduit improvements. The improvements will help the bureau maintain and improve the integrity of the supply conduits, allowing more flexibility during emergencies. Funding is also provided for an intertie between the conduits and the groundwater transmission main.								
Funding Sources								
Water Capital Fund	450,000	1,000,000	2,550,000	50,000	50,000	1,650,000	3,200,000	7,500,000
Total Funding Sources	450,000	1,000,000	2,550,000	50,000	50,000	1,650,000	3,200,000	7,500,000
Project Costs								
Construction/Equipment	0	0	2,200,000	0	0	1,150,000	2,900,000	6,250,000
Design/Project Mgmt	450,000	1,000,000	350,000	50,000	50,000	500,000	300,000	1,250,000
Total Project Costs	450,000	1,000,000	2,550,000	50,000	50,000	1,650,000	3,200,000	7,500,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities

Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	
Conduit 5								
								Area: E
								Objective(s): Expansion
Project Description								
Conduit 5 is a proposed 96- to 120-inch diameter conduit approximately 23 miles in length extending from the Bull Run Watershed to storage facilities on Powell Butte. The conduit is planned to have a capacity of about 250 million gallons per day – about equal to the capacity of the three existing conduits. Once constructed, Conduit 5 will replace Conduits 2 and 3, provide additional peak flow capacity, and may be a means of moving water to and from a new treatment plant. The funding included in the CIP over the next five years provides for reviewing the proposed route and updating the preliminary engineering assessment.								
Funding Sources								
Water Capital Fund	20,000	270,000	320,000	320,000	20,000	20,000	20,000	700,000
Total Funding Sources	20,000	270,000	320,000	320,000	20,000	20,000	20,000	700,000
Project Costs								
Design/Project Mgmt	20,000	270,000	320,000	320,000	20,000	20,000	20,000	700,000
Total Project Costs	20,000	270,000	320,000	320,000	20,000	20,000	20,000	700,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Conduit Repair & Rehabilitation								
								Area: E
								Objective(s): Maintenance
Project Description								
This program provides for the maintenance, rehabilitation, and protection of the three conduits that transmit water from Bull Run to the City's main storage reservoirs at Powell Butte and Mt. Tabor Park. Built in 1911, 1925, and 1953, the conduits require a significant level of ongoing repair and rehabilitation. This maintenance work includes the six major conduit bridges between Headworks and the Sandy River, 20 trestles, and other appurtenances. These capitalized maintenance and repair projects protect the bureau's investments in its facilities, reduce vulnerability, and reduce operations costs. Current work includes upgrade and maintenance of the cathodic protection system, and the conduit air vacuum valves.								
Funding Sources								
Water Capital Fund	1,500,000	600,000	550,000	800,000	400,000	400,000	400,000	2,550,000
Total Funding Sources	1,500,000	600,000	550,000	800,000	400,000	400,000	400,000	2,550,000
Project Costs								
Design/Project Mgmt	300,000	110,000	120,000	100,000	60,000	60,000	60,000	400,000
Construction/Equipment	1,200,000	490,000	430,000	700,000	340,000	340,000	340,000	2,150,000
Total Project Costs	1,500,000	600,000	550,000	800,000	400,000	400,000	400,000	2,550,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Willamette River Crossing								
								Area: CC
								Objective(s): Replacement
Project Description								
This project provides for the replacement of major pipelines to strengthen the transmission link between Powell Butte and the service areas west of the Willamette River, including downtown and the storage reservoirs at Washington Park. The project is being driven by the need for more reliable transmission from Powell Butte to supply westside service areas when storage volumes become smaller at Washington Park as the open reservoirs are phased out and replaced. The existing pipelines are vulnerable to a number of hazards including earthquakes and scour due to their age, condition, and original design. Proposed transportation and rail projects on the West Side also conflict with the existing supply mains. The project consists of construction of a new seismically strengthened river crossing to replace one or two river crossings that currently serve the downtown area and West Portland in the next five years. Future work may include replacement of the Sellwood Crossing and pipeline sections in liquifiable soils; construction of a header along the western bank of the Willamette River; and numerous interconnections and interties so sections of pipelines can be removed from service for maintenance and emergencies.								
Funding Sources								
Water Capital Fund	180,000	320,000	250,000	750,000	1,000,000	5,000,000	6,000,000	13,000,000
Total Funding Sources	180,000	320,000	250,000	750,000	1,000,000	5,000,000	6,000,000	13,000,000
Project Costs								
Construction/Equipment	0	0	0	0	500,000	4,700,000	5,700,000	10,900,000
Design/Project Mgmt	180,000	320,000	250,000	750,000	500,000	300,000	300,000	2,100,000
Total Project Costs	180,000	320,000	250,000	750,000	1,000,000	5,000,000	6,000,000	13,000,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Public Utilities

Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	

Regional Wholesale Connections & Pipes

Area: Undefined

Objective(s): Expansion

Project Description

This project provides for capital improvements related to supplying wholesale customers and for backup/emergency connections with other water systems. Capital costs related to supplying water to wholesale customers include new service connections and repair, maintenance and replacement of existing connections, including meter replacements. New service connections are needed as development, redevelopment, and improvements in wholesale customer service areas occur. Maintenance and replacement of connections are needed for metering accuracy and serviceability of the connections.

Funding Sources

Water Rates	0	320,000	300,000	0	0	0	0	300,000
Water Capital Fund	250,000	50,000	250,000	600,000	400,000	100,000	100,000	1,450,000
Total Funding Sources	250,000	370,000	550,000	600,000	400,000	100,000	100,000	1,750,000

Project Costs

Construction/Equipment	0	0	200,000	480,000	320,000	80,000	80,000	1,160,000
Design/Project Mgmt	250,000	370,000	350,000	120,000	80,000	20,000	20,000	590,000
Total Project Costs	250,000	370,000	550,000	600,000	400,000	100,000	100,000	1,750,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Water Quality & Treatment

Groundwater Disinfection Improvements

Area: E

Objective(s): Maintenance

Project Description

The treatment systems at the Groundwater Pump Station included gaseous ammonia and liquid sodium hypochlorite. Both systems were installed as temporary measures. This arrangement does not meet new Risk Management Plan requirements for hazardous materials, and does not provide adequate security for the chemical processes. The new facilities will use less hazardous strengths of liquid chemicals for groundwater treatment processes, including liquid sodium hypochlorite, aqueous ammonia, sodium hydroxide, and some miscellaneous processes for maintaining and mixing chemicals for water treatment. Seismic strengthening of the yard piping and tank foundations is included as part of the work. The completion of this work included landscaping, and irrigation systems for the site in the original permit. The budget provides for the construction and engineering services of the facilities.

Funding Sources

Water Capital Fund	4,700,000	1,225,000	450,000	0	0	0	0	450,000
Total Funding Sources	4,700,000	1,225,000	450,000	0	0	0	0	450,000

Project Costs

Design/Project Mgmt	500,000	325,000	90,000	0	0	0	0	90,000
Construction/Equipment	4,200,000	900,000	360,000	0	0	0	0	360,000
Total Project Costs	4,700,000	1,225,000	450,000	0	0	0	0	450,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Bull Run Disinfection Improvements

Area: E

Objective(s): Maintenance

Project Description

This project includes several related treatment projects of the Bull Run water supply, at Bull Run Headworks and at the Lusted Hill facility. Modifications that have been completed or are currently planned to be completed under this project include modifying the chlorine injectors to work with the new intake structure at Headworks, modifying the existing chlorine control systems, replacing the ammonia piping at Lusted Hill, and repairing the deficiencies in the scrubber ventilation systems at both Lusted Hill and Headworks. Projects are evaluated for funding on an annual basis. The modifications will better ensure public health and employee safety through improved treatment processes, hazardous materials handling, and control facilities.

Funding Sources

Water Capital Fund	250,000	150,000	100,000	100,000	100,000	100,000	100,000	500,000
Total Funding Sources	250,000	150,000	100,000	100,000	100,000	100,000	100,000	500,000

Project Costs

Design/Project Mgmt	40,000	30,000	20,000	20,000	20,000	20,000	20,000	100,000
Construction/Equipment	210,000	120,000	80,000	80,000	80,000	80,000	80,000	400,000
Total Project Costs	250,000	150,000	100,000	100,000	100,000	100,000	100,000	500,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Public Utilities

Bureau of Water Works

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	
Regulatory Compliance Studies								
								Area: All
								Objective(s): Mandated
Project Description								
The bureau regularly conducts regulatory compliance studies to further develop background information that confirms the City is in compliance with drinking water regulations. The studies address control of microbial contaminants and disinfection byproducts, as well as implementation of existing and future surface water treatment regulations. Studies that have been done in the past include detection of the presence of Cryptosporidium in the Bull Run water source and analysis of the bureau's lead and copper corrosion control program. Future projects may include studies to analyze distribution system microbial activity, or study of current monitoring programs.								
Funding Sources								
Water Rates	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Project Costs								
Design/Project Mgmt	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Project Costs	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Water Quality Sample Upgrade								
								Area: All
								Efficiency
Project Description								
Standardized water quality sampling stations and chlorine residual analyzers will continue to be installed throughout the distribution system to monitor water quality and chlorine residual. These facilities also allow the Bureau to more readily identify potential water quality problems and their sources. The more accurate and reliable water quality data will be used to improve water system operation and design.								
Funding Sources								
Water Capital Fund	75,000	75,000	75,000	75,000	75,000	50,000	50,000	325,000
Total Funding Sources	75,000	75,000	75,000	75,000	75,000	50,000	50,000	325,000
Project Costs								
Design/Project Mgmt	25,000	25,000	25,000	25,000	25,000	10,000	10,000	95,000
Construction/Equipment	50,000	50,000	50,000	50,000	50,000	40,000	40,000	230,000
Total Project Costs	75,000	75,000	75,000	75,000	75,000	50,000	50,000	325,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Bull Run Treatment								
								Area: E
								Objective(s): Mandated
Project Description								
Studies are needed to evaluate and identify requirements for future Bull Run system treatment process improvements. These improvements are necessary to comply with new federal and state regulations for surface water treatment. Recommended treatment improvements will address the anticipated regulations for inactivation of Cryptosporidium under the Long Term 2 Enhanced Surface Water Treatment Rule. These requirements are scheduled for promulgation by the Environmental Protection Agency in 2004, with compliance required by 2013. This new deadline represents a delay, which has led to a deferral in project costs until later years. Specific tasks under this project include completing a treatment plant siting study, developing a Bull Run treatment public involvement program, analyzing permitting requirements, and developing a Bull Run treatment implementation plan.								
Funding Sources								
Water Rates	50,000	0	0	0	0	0	0	0
Water Capital Fund	250,000	500,000	2,000,000	2,000,000	3,500,000	5,000,000	8,000,000	20,500,000
Total Funding Sources	300,000	500,000	2,000,000	2,000,000	3,500,000	5,000,000	8,000,000	20,500,000
Project Costs								
Construction/Equipment	0	0	0	0	3,000,000	4,500,000	7,500,000	15,000,000
Design/Project Mgmt	300,000	500,000	2,000,000	2,000,000	500,000	500,000	500,000	5,500,000
Total Project Costs	300,000	500,000	2,000,000	2,000,000	3,500,000	5,000,000	8,000,000	20,500,000
Oper & Maint Costs	0	0	0	0	0	0	0	0



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Community Development

Overview and Financial Tables

SERVICE AREA OVERVIEW

The only capital project within the Community Development Services Area is Union Station. In FY 2004-05, a total of \$171,400 is allocated for this project. The five year CIP total for Union Station is \$2,061,850. Of this total \$1,046,150 is funded by a state grant.

OFFICE OF MANAGEMENT AND FINANCE

Union Station

The Facilities Services Division of the Office of Management and Finance began managing Union Station in January 1999. The station, with its adjacent undeveloped property, was purchased by the City in 1987 and had been managed by the Portland Development Commission until that organization transferred management of the property to BGS Facilities. The building dates from 1896 and is on the National Register of Historic Places.

OMF Facilities is responsible for maintenance, property management, capital planning, and project management for the station. The term "Union Station" refers to the station building, an annex building, a small switching tower in the rail yard, an empty City fire station, rails 1-3, the rail platforms, and the rail yards.

Union Station houses Amtrak operations, including passenger services, package express, U.S. Mail, and administrative offices. Amtrak is the station's major tenant, renting approximately 39,000 square feet of space, plus significant track, platform, and yard area. In addition, 30 other commercial leases exist in the remaining 25,000 square feet of space available for lease in the building. These private tenants include professional offices, non-profit organizations, and a destination restaurant.

Lease income at Union Station currently exceeds building operating costs.

Leases from Amtrak and 30 other commercial entities generate approximately \$800,000 per year and operating expenses are around \$600,000 per year. Net revenues of approximately \$200,000 have been devoted to major maintenance projects for the facility. Net revenues are projected to range between \$221,000-\$300,000 in FY 2005-09.

Commissioned in 2001, the final report of the Seismic Work Plan, details both the strengths and weaknesses of the existing structure. Most of the station's original features, including the double-hung windows, the extruded metal roofing, the shed dormers, gutters, and flashing, are in poor condition simply due to age. However, because of some renovation over the century, the historic integrity of the building is intact.

Future renovations at Union Station could cost \$29 million.

The cost estimate to conduct necessary renovation of Union Station totaled \$13.9 million in hard costs, of which nearly \$2 million was dedicated to electrical work and \$3 million to structural work. Adding soft costs, and tenant disruption and relocation costs, BGS Facilities has estimated a total cost for the renovation of Union Station to be \$29 million.

In the summer of 2003, the Oregon Department of Transportation approved a \$1,046,150 grant directed primarily at improving the exterior of the building to prevent water infiltration. This work would preserve the building's historic fabric and meet some of the needs identified in the Union Station Facility and Seismic Work Plan. The Portland Development Commission will provide \$100,000 of the \$118,624 matching requirement. This CIP assumes that design work on the grant project will begin in FY 2005, with the majority of construction finishing in FY 2006. A large portion of an electrical systems upgrade identified in the same work plan is planned in FY 2007, using net building revenues. The source of funds for the remaining necessary improvements is unknown at this time.

Capital Improvement Plan — Community Development

SOURCES AND USES

This table summarizes the funding and costs by capital program for bureaus within this service area.

Bureau		Revised	Adopted	Capital Plan				
Capital Program	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year
Management and Finance								
Union Station								
Funding Sources								
Rents	0	36,440	47,400	154,300	675,000	0	139,000	1,015,700
State Grants	0	81,900	124,000	922,150	0	0	0	1,046,150
Total Funding Sources	0	118,340	171,400	1,076,450	675,000	0	139,000	2,061,850
Project Costs								
Construction/Equipment	0	24,340	151,900	939,950	519,000	0	112,000	1,722,850
Design/Project Mgmt	0	94,000	19,500	136,500	156,000	0	27,000	339,000
Total Project Costs	0	118,340	171,400	1,076,450	675,000	0	139,000	2,061,850
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Community Development

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area for bureaus within this service area.

Bureau		Revised	Adopted	Capital Plan					
Geographic Area	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year Total	
Community Development									
Management and Finance									
Central City		0	118,340	171,400	1,076,450	675,000	0	139,000	2,061,850
Total Management and Finance		0	118,340	171,400	1,076,450	675,000	0	139,000	2,061,850
Total Community Development	\$	0	\$ 118,340	\$ 171,400	\$ 1,076,450	\$ 675,000	\$ 0	\$ 139,000	\$ 2,061,850

Capital Improvement Plan — Community Development

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program	Revised	Adopted	Capital Plan					5-Year Total
Project	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Management and Finance								
Union Station								
Repair Window Frames and Replace	0	0	0	0	0	0	139,000	139,000
Replace Defective Panels and Cir	0	27,340	46,400	46,400	0	0	0	92,800
Transportation Enhancement Grant	0	91,000	125,000	1,030,050	0	0	0	1,155,050
Upgrade Electrical Systems	0	0	0	0	675,000	0	0	675,000
Total Union Station	0	118,340	171,400	1,076,450	675,000	0	139,000	2,061,850
Total Management and Finance	0	118,340	171,400	1,076,450	675,000	0	139,000	2,061,850
Total Community Development	\$ 0	\$ 118,340	\$ 171,400	\$ 1,076,450	\$ 675,000	\$ 0	\$ 139,000	\$ 2,061,850

	Revised	Adopted	Capital Plan					5-Year
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	Total

Union Station

Replace Defective Electrical Panels and Circuits

Area: CC
Objective(s): Maintenance
Replacement
Efficiency

Project Description

The electrical panels and circuits are very deteriorated at Union Station and this project will repair and/or replace the main panels and branch circuits.

Funding Sources

Rents	0	27,340	46,400	46,400	0	0	0	92,800
Total Funding Sources	0	27,340	46,400	46,400	0	0	0	92,800

Project Costs

Design/Project Mgmt	0	3,000	9,500	9,500	0	0	0	19,000
Construction/Equipment	0	24,340	36,900	36,900	0	0	0	73,800
Total Project Costs	0	27,340	46,400	46,400	0	0	0	92,800

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Repair Window Frames and Replace Awnings

Area: CC
Objective(s): Maintenance
Replacement

Project Description

This project will replace deteriorated awnings and repair the historic window frames that are in poor condition at Union Station.

Funding Sources

Rents	0	0	0	0	0	0	139,000	139,000
Total Funding Sources	0	0	0	0	0	0	139,000	139,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	0	27,000	27,000
Construction/Equipment	0	0	0	0	0	0	112,000	112,000
Total Project Costs	0	0	0	0	0	0	139,000	139,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Upgrade Electrical Systems

Area: CC
Objective(s): Maintenance

Project Description

This project would replace the existing electrical service in the main building with upgraded service and repalce the electrical distribution throughout the building.

Funding Sources

Rents	0	0	0	0	675,000	0	0	675,000
Total Funding Sources	0	0	0	0	675,000	0	0	675,000

Project Costs

Design/Project Mgmt	0	0	0	0	156,000	0	0	156,000
Construction/Equipment	0	0	0	0	519,000	0	0	519,000
Total Project Costs	0	0	0	0	675,000	0	0	675,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Community Development Management and Finance

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Transportation Enhancement Grant								
								Area: CC
								Objective(s): Maintenance
Project Description								
Make repairs to external masonry, replace roof over the restaurant area, repair and refinish exterior wood doors, and repair the surfaces of interior public places.								
Funding Sources								
Rents	0	9,100	1,000	107,900	0	0	0	108,900
State Grants	0	81,900	124,000	922,150	0	0	0	1,046,150
Total Funding Sources	0	91,000	125,000	1,030,050	0	0	0	1,155,050
Project Costs								
Construction/Equipment	0	0	115,000	903,050	0	0	0	1,018,050
Design/Project Mgmt	0	91,000	10,000	127,000	0	0	0	137,000
Total Project Costs	0	91,000	125,000	1,030,050	0	0	0	1,155,050
Oper & Maint Costs	0	0	0	0	0	0	0	0



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Transportation and Parking

Overview and Financial Tables

SERVICE AREA OVERVIEW

The Transportation and Parking service area reflects the activities of two bureaus: the Portland Office of Transportation (PDOT) and the Office of Management and Finance's (OMF) Parking Facilities Fund. For FY 2004-05, the service area's capital budget totals over \$60.7 million, or 41% of the total CIP budget. The FY 2005-09 budget for the above two bureaus is approximately \$147.0 million.

OFFICE OF TRANSPORTATION

PDOT projects comprise 97% of the FY 2004-05 Service Area CIP budget and total approximately \$59.9 million. The budget for the five-year CIP planning period is about \$142.8 million. Transportation projects are budgeted in the following capital programs: Centers and Main Streets, Freight and Industrial Area, Local Street Development, Neighborhood Livability, Preservation and Rehabilitation, Safety and Congestion Management, and Special Projects.

OFFICE OF MANAGEMENT AND FINANCE: PARKING FACILITIES

The Parking Facilities Fund accounts for the operation and maintenance of six City-owned parking garages in Downtown Portland. The Facilities Services division of OMF is responsible for capital projects in the garages. In FY 2004-05, \$783,000 is budgeted for parking garage projects, using garage revenues. The budget for FY 2005-09 is more than \$4.2 million.

Capital Improvement Plan — Transportation & Parking

SOURCES AND USES

This table summarizes the funding and costs by capital program for bureaus within this service area.

Bureau	Revised		Adopted	Capital Plan				
	Prior Years	FY 2003-04		FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year
Capital Program								
Management and Finance								
Parking Facilities								
Funding Sources								
Other Financing (External)	0	0	783,000	912,000	901,000	720,000	897,500	4,213,500
Total Funding Sources	0	0	783,000	912,000	901,000	720,000	897,500	4,213,500
Project Costs								
Construction/Equipment	0	0	639,000	712,000	740,000	597,000	442,500	3,130,500
Design/Project Mgmt	0	0	144,000	200,000	161,000	123,000	455,000	1,083,000
Total Project Costs	0	0	783,000	912,000	901,000	720,000	897,500	4,213,500
Oper & Maint Costs	0	0	0	0	0	0	0	0
Office of Transportation								
Centers & Main Streets								
Funding Sources								
Fund Balance (Internal)	59,552	0	645,000	0	0	0	0	645,000
General Transportation Revenue	451,486	352,154	0	56,476	162,144	0	0	218,620
Oregon Department of Transportation	4,276	233,796	620,228	6,158,847	3,235,256	0	0	10,014,331
Partnership	13,681	0	103,247	0	0	0	0	103,247
PDC	315,877	637,287	5,454,037	0	0	0	0	5,454,037
Private Grants and Donations	0	1,000	0	0	0	0	0	0
System Development Charges	357,974	441,166	128,200	1,677,815	1,813,227	0	0	3,619,242
TEA-21	55,393	297,440	424,972	404,552	789,675	584,173	168,848	2,372,220
Total Funding Sources	1,258,239	1,962,843	7,375,684	8,297,690	6,000,302	584,173	168,848	22,426,697
Project Costs								
Construction/Equipment	0	197,067	5,286,491	7,088,458	4,847,277	168,848	168,848	17,559,922
Design/Project Mgmt	778,085	1,361,776	1,719,371	758,207	786,325	415,325	0	3,679,228
Planning	459,021	400,000	269,822	451,025	303,350	0	0	1,024,197
Site Acquisition	21,133	4,000	100,000	0	63,350	0	0	163,350
Total Project Costs	1,258,239	1,962,843	7,375,684	8,297,690	6,000,302	584,173	168,848	22,426,697
Oper & Maint Costs	0	0	0	0	0	0	0	0
Freight & Industrial Area								
Funding Sources								
Federal Grants	0	0	0	324,500	2,679,500	0	0	3,004,000
General Transportation Revenue	66,262	0	0	33,269	69,819	0	0	103,088
Oregon Department of Transportation	0	3,737,782	3,684,718	3,880,724	5,883,212	2,578,815	0	16,027,469
Port of Portland	703,669	2,852,157	52,987	0	0	0	0	52,987
System Development Charges	206,446	1,572,275	1,437,072	1,739,989	2,119,504	0	0	5,296,565
TEA-21	461,516	0	942,640	55,278	0	0	0	997,918
Total Funding Sources	1,437,893	8,162,214	6,117,417	6,033,760	10,752,035	2,578,815	0	25,482,027
Project Costs								
Construction/Equipment	0	2,797,635	942,640	5,189,757	10,752,035	2,578,815	0	19,463,247
Design/Project Mgmt	788,590	1,795,066	1,547,841	357,769	0	0	0	1,905,610
Planning	649,303	0	0	486,234	0	0	0	486,234
Site Acquisition	0	3,569,513	3,626,936	0	0	0	0	3,626,936
Total Project Costs	1,437,893	8,162,214	6,117,417	6,033,760	10,752,035	2,578,815	0	25,482,027
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation & Parking

SOURCES AND USES

This table summarizes the funding and costs by capital program for bureaus within this service area.

Bureau		Revised	Adopted	Capital Plan				
Capital Program	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year
Local Street Development								
Funding Sources								
General Transportation Revenue	104,476	176,496	180,348	184,362	188,545	192,887	192,887	939,029
Interagencies Bureau Revenues	86,460	0	481,462	0	0	0	0	481,462
Local Improvement District	20,198	183,969	1,955,758	219,118	224,596	230,211	235,966	2,865,649
PDC	54,366	343,898	506,000	0	0	0	0	506,000
PDOT Permit Fees	851,098	1,187,742	1,057,269	1,351,104	1,398,104	1,447,304	1,485,504	6,739,285
Total Funding Sources	1,116,598	1,892,105	4,180,837	1,754,584	1,811,245	1,870,402	1,914,357	11,531,425
Project Costs								
Construction/Equipment	766,482	771,780	3,272,548	913,354	944,979	978,891	1,000,591	7,110,355
Design/Project Mgmt	295,824	982,745	763,169	692,278	712,406	732,911	751,166	3,651,930
Planning	54,292	127,980	131,120	134,560	138,960	143,100	147,000	694,740
Site Acquisition	0	9,600	14,000	14,400	14,900	15,500	15,600	74,400
Total Project Costs	1,116,598	1,892,105	4,180,837	1,754,584	1,811,245	1,870,402	1,914,357	11,531,425
Oper & Maint Costs	0	0	0	0	0	0	0	0
Neighborhood Livability								
Funding Sources								
Fund Balance (Internal)	0	20,000	50,000	0	0	0	0	50,000
General Transportation Revenue	6,382	100,000	350,000	200,000	100,000	100,000	100,000	850,000
Oregon Department of Transportation	0	205,000	450,741	54,000	0	0	0	504,741
PDC	175,160	2,829,933	4,900,000	2,975,000	3,006,000	0	0	10,881,000
Private Grants and Donations	0	0	14,000	0	0	0	0	14,000
System Development Charges	56,854	0	250,000	0	488,336	0	0	738,336
Total Funding Sources	238,396	3,154,933	6,014,741	3,229,000	3,594,336	100,000	100,000	13,038,077
Project Costs								
Construction/Equipment	0	2,248,449	5,386,151	2,596,500	2,870,636	62,500	62,500	10,978,287
Design/Project Mgmt	168,688	886,484	598,590	617,500	708,700	22,500	22,500	1,969,790
Planning	69,708	20,000	30,000	15,000	15,000	15,000	15,000	90,000
Total Project Costs	238,396	3,154,933	6,014,741	3,229,000	3,594,336	100,000	100,000	13,038,077
Oper & Maint Costs	0	0	0	0	0	0	0	0
Preservation & Rehabilitation								
Funding Sources								
Fund Balance (Internal)	64,799	112,500	572,541	21,000	41,500	9,000	25,000	669,041
General Fund	350,000	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
General Transportation Revenue	407,308	1,065,567	881,515	670,000	670,000	670,000	670,000	3,561,515
Interagencies Bureau Revenues	11,840	377,090	76,131	21,000	41,500	9,000	25,000	172,631
Oregon Department of Transportation	547,525	445,716	2,831,607	2,870,958	953,621	0	0	6,637,186
PDC	0	146,000	248,250	1,205,750	0	0	0	1,454,000
Private Grants and Donations	0	3,800	0	0	0	0	0	0
Tri-Met	0	125,000	0	0	0	0	0	0
Total Funding Sources	1,381,472	2,675,673	5,010,044	5,169,708	2,106,621	1,088,000	1,120,000	14,494,373
Project Costs								
Construction/Equipment	325,000	1,768,811	4,263,453	4,981,727	1,931,621	963,000	945,000	13,084,801
Design/Project Mgmt	1,039,948	815,362	711,591	152,981	140,000	90,000	140,000	1,234,572
Planning	16,524	50,000	35,000	35,000	35,000	35,000	35,000	175,000
Site Acquisition	0	41,500	0	0	0	0	0	0
Total Project Costs	1,381,472	2,675,673	5,010,044	5,169,708	2,106,621	1,088,000	1,120,000	14,494,373
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation & Parking

SOURCES AND USES

This table summarizes the funding and costs by capital program for bureaus within this service area.

Bureau	Revised		Adopted	Capital Plan				
Capital Program	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year
Safety & Congestion Management								
Funding Sources								
Fund Balance (Internal)	8,239	0	69,780	0	0	0	0	69,780
General Transportation Revenue	8,239	81,995	0	53,043	75,000	75,000	75,000	278,043
Oregon Department of Transportation	0	3,000	9,956	0	0	0	0	9,956
System Development Charges	8,239	0	0	291,936	0	0	0	291,936
TEA-21	0	0	50,000	0	0	0	0	50,000
Total Funding Sources	24,717	84,995	129,736	344,979	75,000	75,000	75,000	699,715
Project Costs								
Construction/Equipment	8,239	28,000	99,736	191,493	70,000	70,000	70,000	501,229
Design/Project Mgmt	0	50,000	20,000	100,000	0	0	0	120,000
Planning	16,478	6,995	10,000	53,486	5,000	5,000	5,000	78,486
Total Project Costs	24,717	84,995	129,736	344,979	75,000	75,000	75,000	699,715
Oper & Maint Costs	0	0	0	0	0	0	0	0
Special Projects								
Funding Sources								
Federal Grants	0	0	0	11,700,000	0	0	0	11,700,000
General Transportation Revenue	25,000	25,000	37,347	282,842	214,492	442,113	442,113	1,418,907
Housing Authority of Portland	0	241,336	101,040	153,092	0	0	0	254,132
Local Improvement District	0	110,000	13,600,220	1,998,000	2,020,000	0	0	17,618,220
Other Financing (External)	0	3,702,500	1,420,000	710,000	710,000	0	0	2,840,000
PDC	172,919	2,619,758	4,070,738	2,038,995	328,550	336,978	345,827	7,121,088
System Development Charges	0	1,743,224	10,000,034	420,000	1,973,261	0	0	12,393,295
Tri-Met	2,627,465	311,359	1,456,904	0	0	0	0	1,456,904
Total Funding Sources	2,825,384	8,753,177	30,686,283	17,302,929	5,246,303	779,091	787,940	54,802,546
Project Costs								
Construction/Equipment	2,154,411	5,946,109	24,759,629	16,698,934	4,447,753	577,113	577,113	47,060,542
Design/Project Mgmt	645,973	2,522,215	5,626,654	578,654	773,550	176,978	185,827	7,342,004
Planning	25,000	284,853	300,000	25,000	25,000	25,000	25,000	400,000
Total Project Costs	2,825,384	8,753,177	30,686,283	17,302,929	5,246,303	779,091	787,940	54,802,546
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation & Parking

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area for bureaus within this service area.

Bureau		Revised	Adopted	Capital Plan					
Geographic Area	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year Total	
Transportation & Parking									
Management and Finance									
Central City	0	0	783,000	912,000	901,000	720,000	897,500	4,213,500	
Total Management and Finance	0	0	783,000	912,000	901,000	720,000	897,500	4,213,500	
Transportation									
All Areas	986,455	2,149,238	2,129,899	2,609,402	2,409,649	2,398,191	2,468,391	12,015,532	
Central City	350,000	400,000	1,720,982	649,210	1,472,376	400,000	400,000	4,642,568	
East	0	187,731	391,847	154,552	0	0	0	546,399	
North	3,066,569	3,637,245	1,849,437	1,099,729	1,417,087	0	0	4,366,253	
Northeast	727,339	8,560,883	11,238,063	17,808,244	17,100,482	2,840,140	0	48,986,929	
Northwest	336,075	1,066,454	8,017,242	301,550	0	0	0	8,318,792	
Southeast	1,336,399	2,101,369	3,638,870	243,345	1,610,349	322,848	168,848	5,984,260	
Southwest	281,480	4,674,082	28,080,819	16,281,995	4,346,811	361,978	370,827	49,442,430	
Undefined	165,543	4,121,469	1,858,105	1,216,960	1,229,088	752,324	758,079	5,814,556	
West	687,785	413,230	960,177	1,767,663	0	0	0	2,727,840	
Total Transportation	7,937,645	27,311,701	59,885,441	42,132,650	29,585,842	7,075,481	4,166,145	142,845,559	
Total Transportation and Parking	\$ 7,937,645	\$ 27,311,701	\$ 60,668,441	\$ 43,044,650	\$ 30,486,842	\$ 7,795,481	\$ 5,063,645	\$147,059,059	

Capital Improvement Plan — Transportation & Parking

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program	Revised		Adopted		Capital Plan				5-Year Total
Project	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		
Management and Finance									
Parking Facilities									
10th & Yamhill-Clean/Seal Exterior	0	0	174,000	0	0	0	0		174,000
10th & Yamhill-elevator upgrades	0	0	0	752,000	0	0	0		752,000
10th & Yamhill-repaint stl. deck	0	0	0	0	268,000	0	0		268,000
10th & Yamhill-Repair 2nd Level	0	0	33,000	0	0	122,000	0		155,000
10th & Yamhill-seal stairwells	0	0	123,000	0	0	0	0		123,000
1st & Jeff - repair 3 & 4 memb.	0	0	0	0	0	0	143,000		143,000
1st & Jeff - repair top membrane	0	0	0	0	0	24,000	0		24,000
1st & Jefferson-clean exter. mas	0	0	0	0	272,000	0	0		272,000
3rd & Alder - clean exter. mason	0	0	0	0	187,000	0	0		187,000
3rd & Alder - replace HVAC	0	0	233,000	0	0	0	0		233,000
3rd & Alder repl top level surfa	0	0	0	160,000	0	0	0		160,000
3rd & Alder-repair/repl 2nd deck	0	0	0	0	35,000	0	0		35,000
4th & Yamhill - clean exterior	0	0	0	0	0	288,000	0		288,000
4th & Yamhill - seal stairways	0	0	57,000	0	0	0	0		57,000
4th & Yamhill-rep top membrane	0	0	0	0	139,000	0	0		139,000
Naito/Davis - clean exterior	0	0	0	0	0	0	138,000		138,000
Naito/Davis - paint stairs/lobby	0	0	0	0	0	177,000	0		177,000
System wide - new signage	0	0	0	0	0	0	77,000		77,000
System wide-install CCTV	0	0	0	0	0	0	264,500		264,500
System wide-replace awnings	0	0	0	0	0	109,000	0		109,000
System wide-restripe stalls	0	0	85,000	0	0	0	0		85,000
System wide-restroom upgrades	0	0	78,000	0	0	0	0		78,000
System wide-upgrade lighting	0	0	0	0	0	0	275,000		275,000
Total Parking Facilities	0	0	783,000	912,000	901,000	720,000	897,500		4,213,500
Total Management and Finance	0	0	783,000	912,000	901,000	720,000	897,500		4,213,500
Office of Transportation									
Centers & Main Streets									
3rd & 4th Streetscape, NW	315,877	622,389	5,129,037	0	0	0	0		5,129,037
99th Avenue at Glisan, NE	61,070	625,761	23,239	0	0	0	0		23,239
Bertha Court	93,940	111,000	2,500	0	0	0	0		2,500
Central Eastside Bridgehead	0	0	0	249,210	1,072,376	0	0		1,321,586
Cully Blvd: Prescott-Killingworth	0	0	0	194,470	1,490,889	261,325	0		1,946,684
Division Streetscape/Recon, SE	0	0	0	233,345	1,112,013	322,848	168,848		1,837,054
Gateway: 102nd Ave, NE/SE	0	187,731	274,967	154,552	0	0	0		429,519
Gateway: Project Implementation	0	0	125,000	1,500,000	0	0	0		1,625,000
Hawthorne: 20th - 55th, SE	803,103	482,373	673,205	0	0	0	0		673,205
Killingsworth Street Imp, N/NE	0	0	450,000	0	0	0	0		450,000
Sandy Blvd: 13th-47th, NE	13,681	424,412	506,942	5,608,347	1,657,256	0	0		7,772,545
St Johns/Lombard Ped Imp, N	13,681	0	0	357,766	667,768	0	0		1,025,534
Tacoma St: 6th-21st, SE	4,276	134,938	110,786	0	0	0	0		110,786
W Burnside Redev 23rd-Bridge, W	13,681	0	103,247	0	0	0	0		103,247
Total Centers & Main Streets	1,287,671	2,588,604	7,398,923	8,297,690	6,000,302	584,173	168,848		22,449,936
Freight & Industrial Area									
Col/Killingsworth E Conn, NE	649,303	5,017,664	5,174,777	4,984,148	8,002,716	2,578,815	0		20,740,456
Columbia Blvd/MLK Blvd, NE	0	0	0	486,234	2,000,000	0	0		2,486,234
Going Bridge, N	0	0	11,952	0	0	0	0		11,952
Lombard Overcrossing, N	788,590	3,144,550	942,640	205,609	0	0	0		1,148,249
St Johns Truck Strategy, PH I	0	0	0	357,769	749,319	0	0		1,107,088
Total Freight & Industrial Area	1,437,893	8,162,214	6,129,369	6,033,760	10,752,035	2,578,815	0		25,493,979
Local Street Development									
128th Ave: Lydia Ct-Foster Rd, SE	66,262	0	358,165	0	0	0	0		358,165
13th Ave: Johnson-Raleigh, NW	74,564	343,898	2,256,000	0	0	0	0		2,256,000
19th Avenue (Evans-Barbur), SW	20,198	0	123,297	0	0	0	0		123,297

Capital Improvement Plan — Transportation & Parking

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program	Revised	Adopted	Capital Plan					5-Year Total
Project	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Comm/Industrial Street Prgm, CW	538,759	610,300	546,057	745,729	770,706	796,763	818,763	3,678,018
Deficiency Corrections Prgm, CW	7,980	50,000	50,000	50,000	50,000	50,000	50,000	250,000
LID Street Design, NI	0	183,969	205,758	219,118	224,596	230,211	235,966	1,115,649
Minor Permit Streets Prgm, CW	175,116	195,884	178,516	202,689	209,796	217,148	223,348	1,031,497
Pre-LID Street Design, NI	0	30,000	30,000	30,000	30,000	30,000	30,000	150,000
Subdivision Street Program CW	222,444	443,421	406,160	473,836	489,809	506,822	513,822	2,390,449
Substandard Street Program, CW	11,275	34,633	26,884	33,212	36,338	39,458	42,458	178,350
Total Local Street Development	1,116,598	1,892,105	4,180,837	1,754,584	1,811,245	1,870,402	1,914,357	11,531,425
Neighborhood Livability								
Bikeway Network Completion, CW	0	70,000	50,000	50,000	50,000	50,000	50,000	250,000
Corbett Traffic Phase III, SW	6,382	0	50,000	100,000	0	0	0	150,000
Foster at Barbara Welch	0	0	0	0	488,336	0	0	488,336
HEP Project: Linnton, NW	0	0	100,000	54,000	0	0	0	154,000
Interstate Livability Project	0	60,000	100,000	0	0	0	0	100,000
ISIP Ped Crossing Projects, CW	0	205,000	190,000	0	0	0	0	190,000
Kerby/I-405, N	0	0	674,741	0	0	0	0	674,741
Lents Improvements, SE	232,014	410,691	1,835,000	0	0	0	0	1,835,000
Lents TC: Traffic Safety, SE	0	0	135,508	0	0	0	0	135,508
MLK Corridor Engr & Const, NE	0	2,359,242	2,965,000	2,975,000	3,006,000	0	0	8,946,000
Ped Crossing Projects, CW	0	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Neighborhood Livability	238,396	3,154,933	6,150,249	3,229,000	3,594,336	100,000	100,000	13,173,585
Preservation & Rehabilitation								
23rd: Burnside-Lovejoy, NW	0	100,167	532,205	220,000	0	0	0	752,205
Bybee Blvd Over McLoughlin, SE	216,783	908,270	173,025	0	0	0	0	173,025
CBD Cable Replacement, SW/NW	350,000	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
ESA Culvert Replacement	30,881	25,000	152,262	42,000	83,000	18,000	50,000	345,262
MLK Viaduct, SE	84,499	15,102	40,000	10,000	10,000	0	0	60,000
Naito Pkwy: Davis-Market SW, NW	687,785	413,230	960,177	1,767,663	0	0	0	2,727,840
NE 33rd Over Columbia St, NE	1,327	30,986	86,152	401,484	933,621	0	0	1,421,257
NE 33rd Over Lombard & UPPR, NE	1,958	47,818	1,787,173	1,658,561	10,000	0	0	3,455,734
Signal Communication System	0	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Signal Reconstruction, NI	0	570,000	570,020	570,000	570,000	570,000	570,000	2,850,020
SW Champlain Semi Viaduct, SW	8,239	65,100	209,030	0	0	0	0	209,030
Total Preservation & Rehabilitation	1,381,472	2,675,673	5,010,044	5,169,708	2,106,621	1,088,000	1,120,000	14,494,373
Safety & Congestion Management								
Bridge at Germantown HEP, NW	0	0	0	27,550	0	0	0	27,550
Citywide ITS, CW	8,239	0	0	291,936	0	0	0	291,936
Future HEP Projects	0	0	0	0	75,000	75,000	75,000	225,000
MLK ITS Corridor, NE	0	50,000	50,000	0	0	0	0	50,000
N Lombard at Portsmouth HEP, N	8,239	0	0	25,493	0	0	0	25,493
NE Sandy at 57th HEP, NE	0	5,000	30,000	0	0	0	0	30,000
NE Sandy Blvd (37-43) HEP, NE	8,239	0	39,780	0	0	0	0	39,780
Powell & 82nd Signal HEP, SE	0	29,995	9,956	0	0	0	0	9,956
Total Safety & Congestion Mgmt	24,717	84,995	129,736	344,979	75,000	75,000	75,000	699,715
Special Projects								
Downtown Mall LRT	349,486	0	1,217,735	0	0	0	0	1,217,735
HOPE VI @ Columbia Villa	0	241,336	101,040	153,092	0	0	0	254,132
I-205 LRT	0	0	116,880	0	0	0	0	116,880
Interstate MAX Light Rail, N	2,277,979	191,359	19,064	0	0	0	0	19,064
MTIP/OTIA Program Match Fund	0	0	12,347	257,842	189,492	417,113	417,113	1,293,907
New Parking Meters	0	3,702,500	1,420,000	710,000	710,000	0	0	2,840,000
OHSU: 6th & Sheridan St, SW	0	136,304	710,390	0	0	0	0	710,390
Portland Streetcar - Gibbs	0	284,853	2,000,000	13,030,000	2,020,000	0	0	17,050,000
Portland Streetcar - Eastside Extension	0	0	200,000	0	0	0	0	200,000
S Waterfront: Bond Ave., SW	0	539,000	239,644	0	0	0	0	239,644
S Waterfront: Central Dist., SW	0	1,750,000	3,348,304	700,000	2,133,261	160,000	160,000	6,501,565

Capital Improvement Plan — Transportation & Parking

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program		Revised	Adopted	Capital Plan				5-Year Total
Project	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
S Waterfront: Devel Coord, SW	172,919	10,758	197,434	428,995	168,550	176,978	185,827	1,157,784
S Waterfront: Macadam Ave, SW	0	110,000	49,612	1,648,000	0	0	0	1,697,612
S Waterfront: Tram, SW	0	1,642,067	15,300,608	350,000	0	0	0	15,650,608
Streetcar: Riverplace Ext, SW	25,000	25,000	5,850,000	25,000	25,000	25,000	25,000	5,950,000
Tri-Met Streamline, CW	0	120,000	103,225	0	0	0	0	103,225
Total Special Projects	2,450,898	8,753,177	30,886,283	17,302,929	5,246,303	779,091	787,940	55,002,546
Total Office of Transportation	7,937,645	27,311,701	59,885,441	42,132,650	29,585,842	7,075,481	4,166,145	142,845,559
Total Transportation & Parking	\$ 7,937,645	\$ 27,311,701	\$ 60,668,441	\$ 43,044,650	\$ 30,486,842	\$ 7,795,481	\$ 5,063,645	\$147,059,059

Office of Transportation

CAPITAL OVERVIEW

Bureau Mission

The Portland Office of Transportation (PDOT) Capital Improvement Plan budget identifies capital improvements to be considered for fiscal years 2004-05 through 2008-09. These improvements are driven by City Council goals and consistent with the bureau's mission:

The Portland Office of Transportation is a community partner in shaping a livable city. We plan, build, manage, and maintain an effective and safe transportation system that provides access and mobility.

CIP Highlights

The FY 2005-09 Transportation CIP budget is the result of an extensive process in the face of challenging funding circumstances. The budget continues to strive to achieve the goals of the City Council and to provide diverse transportation modes and alternatives. The total funding for the five-year CIP plan is \$142.8 million. Of this amount only \$7.4 million (5%) is funded with General Transportation Revenue. The total CIP for FY 2004-05 is \$59.9 million and \$42.5 million for FY 2005-06. Other funding sources include various federal and state grants, system development charges, permit engineering fees, and other public and private contracts. Transportation partners include the Portland Development Commission and the Port of Portland.

Major Issues

PDOT has completed a comprehensive strategic planning effort to effectively meet its obligations over the next several years. The plan includes an environmental scan to look at global and regional trends, constituent expectations, strengths and weaknesses. This is a broad-based process involving employee and community stakeholders. Our goal is to make sure the organization continues to provide the transportation services our citizens need.

In the past several years, there has been a significant shift in the Transportation CIP budget. As Transportation discretionary funds have declined substantially, PDOT has sought other funding partners in order to fund CIP projects. General Transportation Revenue (GTR) has diminished to the point where its principal use is for leveraging other sources of money such as federal and state grants, system development charges, and funds available from other intergovernmental agencies such as the Portland Development Commission and the Port of Portland. In FY 2004-05, approximately \$600,000 of PDOT's GTR is used to leverage funds. With the decline in available discretionary revenue and the increase of funding from outside sources, the mix of projects reflects the priorities of other agencies rather than the transportation system's highest needs. This is very apparent when considering the list of projects funded solely by GTR. These projects total a little under \$900,000 and represent only 1.6% of total CIP funding in FY 2004-05.

STRATEGIC DIRECTION

Council Goals and Priorities

Projects included in this program are consistent with the City of Portland's goals. This CIP will have the most significant impact on the following goals: ensure decent, affordable housing; build a livable city through good planning and well-managed growth; promote vitality and access to quality jobs for all; maintain a financially stable City of Portland; promote the inclusion of underrepresented neighborhoods and groups in participation in City activities and services; keep the Central City vital; build a multi-modal transportation system; grow as an international city; and become a more effective partner in the region.

City Comprehensive Plan

Projects included in this program are consistent with the City of Portland's definition of capital projects. The Capital Improvement Plan is also consistent with the Transportation Element of the City of Portland's Comprehensive Plan, the Portland Office of Transportation Charter, and the Office of Transportation Strategic Plan.

Projects included in the Transportation CIP have been evaluated and scored in accordance with established criteria. These criteria will ensure that the projects are consistent with City Council goals and objectives and serve the citizens of Portland to the best of our abilities in compliance with the PDOT mission. These criteria are:

- ◆ Support 2040 Areas: Support development of high-priority Region 2040 areas.
- ◆ Reduce vehicle mile trip (VMT) per capita: Strive to reduce VMT per capita.
- ◆ Safety: Address safety by improving existing deficiencies or hazards for pedestrian crossings, bicycles, and vehicles.
- ◆ Natural Environment: Utilize good resource management, and minimize the impact to natural environment.
- ◆ Access: Improve access within the activity centers for all modes of transportation.
- ◆ Economic Development: Provide and improve access to economic developments.
- ◆ Community Support: Strive to have a high level of community support.
- ◆ Efficient Use of Resources: Maximize the efficiency and effectiveness of the system by wise application of financial and human resources.
- ◆ Connectivity: Create a high level of connectivity for all modes of transportation especially in areas where deficiencies exist.
- ◆ Multi-Mode and Balance: Address an area-wide multi-mode approach to transportation needs.

CAPITAL PLANNING AND BUDGETING

Capital Planning Process

Transportation capital projects are developed and received throughout the year from a variety of sources. Portland Office of Transportation receives requests for capital projects from neighborhoods, businesses, and individuals. Projects are developed through neighborhood plans and studies adopted by City Council. In addition, PDOT partners with other public and private organizations to develop new project ideas that share common transportation goals and values. These projects are compiled in the Transportation System Plan (TSP) and are scored and ranked based on TSP criteria in accordance with City Council goals, the Metro 2040 growth concept, and Transportation's charter. The TSP was reviewed by the Planning Commission in July of 2002, and it was adopted by City Council in October 30, 2002. It went into effect December 14, 2002.

Based on the TSP lists, asset and division managers submit projects to the Capital Oversight Committee (COC) to be included in the CIP. The COC then reviews the submitted project requests along with the revenue forecast and develops a balanced five-year CIP. The balanced CIP is then presented to the PDOT Directors Team for approval.

In November, the Directors Team finalized the requested CIP list. The requested CIP is then submitted to the Office of Management and Finance via the bureau's Requested Budget. The City receives additional testimony through the City's budget process.

Financial Forecast Overview

The City owns and manages a significant transportation system including over 3,951 lane miles of improved streets, 55,700 streetlights, 975 signalized intersections, and 159 bridges. The replacement value of this system is estimated at \$5.5 billion. More than \$200 million is needed in the next ten years to address transportation needs and improvements to preserve the integrity of the system and meet regional transportation goals to support growth and inner city density and to increase bicycle and pedestrian access and use of transit. A similar amount of federal money was spent in the last ten years, if adjusted for inflation.

PDOT seeks all possible revenue available in funding its Capital Plan. In addition to taking advantage of available federal and state funds, PDOT partners with other public and private agencies that share the common transportation goals and objectives.

Asset Management and Replacement Plans

In previous years, the Office of Transportation published the Portland Transportation System: Status and Condition Report. This report has been replaced with the Transportation Management and Replacement Plan. This plan is designed to provide useful information to PDOT senior management in funding the Transportation Capital Plan. Major information in this plan includes:

- ◆ Inventory and current status of transportation system in detail categories
- ◆ 10-year trend history of condition of transportation assets
- ◆ Future needs and requirements in detail categories
- ◆ Projections on condition of the transportation system based on different spending scenarios
- ◆ Specific issues and challenges requiring close attention
- ◆ Professional recommendations and ideas in protecting PDOT assets

The information in this plan is accumulated through systems such as Pavement Management System and Maximo.

CAPITAL PROGRAMS AND PROJECTS

Program Description Centers and Main Streets Program

The FY 2004-05 CIP budget for this program is about \$7.4 million or 12.4% of the Transportation CIP budget. This program provides for projects that support high-priority areas of the Region 2040 Growth Concept and require urban design and integration with adjacent development. Projects in this program support centers that provide access to a variety of goods and services in a relatively small geographical area. Main street projects support a high level of pedestrian and bike amenities and are further supported by transit links between centers. Some examples include:

- ◆ **3rd & 4th Streetscape:** This project will construct streetscape improvements in Old Town/Chinatown along 3rd & 4th Avenues between W Burnside and NW Hoyt Street. The improvements include sidewalk reconstruction, new streetlights, and additional landscaping and street furnishings.

- ◆ **Sandy Blvd., NE 13th-47th:** This project will improve pavement conditions on Sandy Blvd. by removing existing asphalt and replacing with new asphalt. This project will also improve circulation by eliminating confusing traffic patterns, improve pedestrian crossing opportunities, use curb extensions to calm traffic, enhance transit access, and use access management measures to address confusing intersections.
- ◆ **Gateway:** Survey, design, and engineer pedestrian and street improvements at NE/SE 102nd between NE Hancock and SE Main in the Gateway Urban Renewal Area.

Freight and Industrial Area Program

The Freight program is budgeted for \$6.1 million in FY 2004-05. This program consists of capital projects that benefit freight corridors in and around the City of Portland while working to inhibit truck encroachment into neighborhoods. Major projects include:

- ◆ **NE Columbia/Killingsworth East Connector:** This project will identify, design, and construct improvements aimed at easing congestion and safety problems in the area bounded by 82nd, Columbia, Killingsworth, and I-205. While the primary goal is to improve freight mobility, pedestrian, bicycle, and transit access through the corridor will also be addressed.
- ◆ **Lombard Overcrossing:** This project will construct an overpass on the existing alignment of N Lombard Street to remove two at-grade rail crossings. The project will improve freight access by removing this bottleneck. It will also allow for improved freight rail service to the Rivergate Industrial Area. This project will also include bike lanes and sidewalks.

Local Streets Development Program

This program is budgeted for nearly \$4.2 million in FY 2004-05. It provides for transportation improvements and support mechanisms that address local neighborhood and business access, safety, efficiency, development, and livability needs. Major projects include:

- ◆ **Commercial/Industrial Street:** This program provides for the plan review and construction engineering for development projects.
- ◆ **NW 13th Avenue, Johnson-Raleigh:** This project will provide for street improvements along NW 13th Avenue from NW Johnson to Raleigh. Improvements to NW 13th from Davis to Johnson were made approximately 10 years ago and include an open concrete street with loading docks in lieu of sidewalks.
- ◆ **Pine/119th LID/HCD:** This project provides for local street and sidewalk improvements and additional sidewalk connectivity in the area adjoining the local improvement district. Dirt and gravel streets will be paved, and new sidewalks and street trees will be added. It will also provide pedestrian connectivity to high-frequency bus and MAX transit.

Neighborhood Livability Program

The FY 2004-05 budget for this program is nearly \$6.0 million. This program includes projects that enhance neighborhood livability by creating safer local streets and accessibility to neighborhood destinations. Major projects include:

- ◆ **Lents Improvements:** This project provides for street improvements within the Lents Urban Renewal District. This project may include residential street improvements and bicycle, pedestrian, and traffic safety improvements.

- ◆ **MLK Corridor Engineering & Construction:** This project will construct Phase IV of the MLK Blvd. street improvements. Construction will occur from NE Alberta to Killingsworth Streets. Improvements will include street trees, ornamental lights, and street modifications to allow for on-street parking.
- ◆ **Intersection Safety Improvement Program (ISIP) Pedestrian Crossing Projects:** This project is a total of seven separate project sites. Funded by the Oregon Department of Transportation (ODOT) ISIP program, this project will build median islands and curb extensions in busy ODOT streets to increase pedestrian safety.

Preservation and Rehabilitation Program

The FY 2004-05 budget for this program is nearly \$5.0 million. This program provides for the maintenance and rehabilitation of existing transportation assets at their current and future service levels.

- ◆ The Environmental and Endangered Species Act (ESA) subprogram provides for reconstruction of segments of transportation elements specifically for the purpose of environmental and ESA goals and objectives. In the past few years, PDOT and BES, in coordination with Oregon Water Enhancement Board (OWEB), have identified and ranked 10 culvert replacement projects. This combined effort identified funding for construction of these projects.
- ◆ The Signals and Street Lighting subprogram identifies and replaces traffic signals and street lights that have exceeded their service life.
- ◆ The Streets subprogram area addresses the need to rebuild and rehabilitate the City's existing street network, with projects being identified through periodic inspections and a pavement management system.
- ◆ The Structures subprogram projects are designed to preserve and rehabilitate existing structures to protect the value of the City's initial capital investment.
- ◆ The Facilities subprogram expenditures are generally in support of PDOT's Bureau of Maintenance (BOM) operational equipment and benefit the public through enhancing BOM's efficiency and productivity. Projects in this subprogram may also serve to better utilize space, equipment, and other needs within the Portland Office of Transportation.

In recent years, due to CIP fiscal constraints, the funding for preservation and rehabilitation has greatly diminished. Transportation has not been able to fund any reconstruction projects in the Streets and Structures subprograms for the last six years, which has resulted in further system aging. Major projects in this program include:

- ◆ **NE 33rd Over Lombard & UPPR:** This structure is currently posted due to insufficient strength of the main and approach spans. The project will address repair/rehabilitation of these items, returning the structure to full strength.
- ◆ **Signal Reconstruction:** Currently, over 200 signalized intersections have exceeded their useful life and are in need of complete remodeling to eliminate the need for emergency repairs due to the age and deteriorated condition of signals. This is an ongoing project planned to replace four to five signalized intersections every year.
- ◆ **Naito Parkway, Market-Davis:** This project will reconstruct Naito Parkway from NW Davis to SW Market. This project will include bike lanes, improvement of ramps to Americans with Disabilities Act (ADA) standards, and provide for stormwater treatment and drainage.

Safety and Congestion Management Program

The FY 2004-05 budget for this program is over \$129,000. This program includes projects that address safety deficiencies in transportation system and spot congestion problems.

- ◆ **MLK ITS Corridor:** This project will construct the first phase of implementing the Intelligent Transportation System (ITS) infrastructure along NE and SE MLK Blvd. and Grand Avenue, from the CEID to Columbia Blvd. The project consists of installation of electronic message signs, CCTV cameras, traffic monitoring stations, and fiber communication. These devices would be integrated with the City's central traffic signal computer system.
- ◆ **NE Sandy at 57th HEP:** This project will replace old, obsolete traffic signals and install pedestrian amenities.

Special Projects Program

The Special Projects program is budgeted for \$30.9 million in FY 2004-05. This program provides for large-scale transportation improvements that benefit a specific geographical area or transportation objective, or those that have regional transportation significance. Major projects include:

- ◆ **South Waterfront, SW Bond Avenue:** This project will design and construct street improvements on SW Bond Avenue between Lane Street and Bancroft Street.
- ◆ **South Waterfront, Tram:** This project will design and construct an aerial tram connecting Marquam Hill with the South Waterfront district.
- ◆ **Streetcar, Riverplace Extension:** Phase III of the streetcar will extend from the current terminus at the Portland State University Urban Center across SW Harrison Street and Naito Parkway to Riverplace, with a new terminus at the foot of the Marquam Bridge.
- ◆ **HOPE VI @ Columbia Villa:** Project construction will replace the existing closed street system with one of greater connectivity to the larger neighborhood. The project includes replacement and upgrade of all existing utilities to support an 850-unit mixed-income housing development.

Funding Sources

The primary sources of funding for PDOT projects in FY 2004-05 are intergovernmental (28%), grants and donations (27%), bureau revenues (27%), system development charges (8%), general transportation revenue (2%), General Fund revenue (1%), and other revenues (7%).

Intergovernmental

The largest source of funding in FY 2004-05 is intergovernmental agreements with the Portland Development Commission, TriMet, the Port of Portland, and Multnomah County. The budget includes almost \$16.8 million, or 28% of the total revenue for FY 2004-05.

Grants and Donations

Federal, state, and local grants, plus developer contributions, account for \$16.2 million of Transportation's funding in FY 2004-05.

Bureau Revenues

Bureau revenues account for nearly \$16.1 million in Transportation's funding for FY 2004-05.

System Development Charges

System development charges (SDC's) account for growth in the transportation system and are more than \$4.8 million in FY 2004-05.

General Transportation Revenue

General transportation revenue (GTR) represents the City's share of gas tax revenues, local parking revenues, cash transfers, and fund balance. The bureau uses these funds to leverage additional money from the federal government, other jurisdictions, and the private sector. In addition, some revenues are derived from permit fees. The FY 2004-05 budget includes more than \$1.4 million in GTR, which is 2.4% of total Transportation capital funding.

General Fund Discretionary Revenue

Transportation received \$400,000 in General Fund discretionary revenues in FY 2004-05 from the General Fund Capital Set-Aside. This funding is for street lighting projects.

Other Revenues

Other revenues include service charges and fees, revenue bonds, and fund balance. Other revenues total \$4.0 million for FY 2004-05.

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

Centers & Main Streets Program

Hawthorne: 20th - 55th, SE

Area: SE

Objective(s): Efficiency

Project Description

Conduct planning, engineering and construction to develop pedestrian improvements and safe pedestrian crossings on SE Hawthorne. The project will also examine opportunities for bicycle enhancements and improved transit service. This project would enhance pedestrian safety in this district.

Funding Sources

Fund Balance (Internal)	0	0	395,000	0	0	0	0	395,000
TEA-21	55,393	124,607	150,005	0	0	0	0	150,005
Fund Balance (External)	59,552	0	0	0	0	0	0	0
System Development Charges	264,034	357,766	128,200	0	0	0	0	128,200
General Transportation Revenue	424,124	0	0	0	0	0	0	0
Total Funding Sources	803,103	482,373	673,205	0	0	0	0	673,205

Project Costs

Construction/Equipment	0	0	673,205	0	0	0	0	673,205
Site Acquisition	0	4,000	0	0	0	0	0	0
Design/Project Mgmt	371,444	478,373	0	0	0	0	0	0
Planning	431,659	0	0	0	0	0	0	0
Total Project Costs	803,103	482,373	673,205	0	0	0	0	673,205

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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W Burnside Redev 23rd-Bridge, W

Area: W

Objective(s): Efficiency

Project Description

The West Burnside Street Project is to define the transportation needs for this street from the Burnside Bridge to NW 23rd Ave. Project scope is to consider the needs for improvements to support economic revitalization of this corridor - on-street parking and pedestrian improvements, while balancing the transportation need for traffic, buses, and bicycles.

Funding Sources

Partnership	13,681	0	103,247	0	0	0	0	103,247
Total Funding Sources	13,681	0	103,247	0	0	0	0	103,247

Project Costs

Planning	13,681	0	103,247	0	0	0	0	103,247
Total Project Costs	13,681	0	103,247	0	0	0	0	103,247

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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3rd & 4th Streetscape, NW

Area: NW

Objective(s): Maintenance

Project Description

Construct streetscape improvements in Old Town/Chinatown along 3rd & 4th Ave. between W Burnside and NW Hoyt Street. The improvements include sidewalk reconstruction, new street lights, and additional landscaping and street furnishings. This project is funded by PDC.

Funding Sources

PDC	315,877	622,389	5,129,037	0	0	0	0	5,129,037
Total Funding Sources	315,877	622,389	5,129,037	0	0	0	0	5,129,037

Project Costs

Construction/Equipment	0	0	4,500,000	0	0	0	0	4,500,000
Design/Project Mgmt	315,877	622,389	629,037	0	0	0	0	629,037
Total Project Costs	315,877	622,389	5,129,037	0	0	0	0	5,129,037

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Transportation and Parking

Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

Sandy Blvd: 13th-47th, NE

Area: NE

Objective(s): Maintenance
Efficiency

Project Description

This project will improve pavement conditions on Sandy Blvd by removing existing asphalt and replacing with new asphalt. This work will eliminate rutting in the pavement and create curb exposure to aid in stormwater drainage. This project will also improve circulation within the Hollywood District by eliminating confusing traffic patterns: improve pedestrian crossing opportunities; use curb extensions to calm traffic; enhance transit access; and use access management measures to address confusing intersections. The project design will be based on the recommendations of the City's Hollywood Sandy Blvd Plan.

Funding Sources

Oregon Department of Transportation	0	121,258	506,942	5,608,347	1,657,256	0	0	7,772,545
General Transportation Revenue	13,681	303,154	0	0	0	0	0	0
Total Funding Sources	13,681	424,412	506,942	5,608,347	1,657,256	0	0	7,772,545

Project Costs

Construction/Equipment	0	0	0	5,433,906	1,507,256	0	0	6,941,162
Design/Project Mgmt	0	24,412	340,367	174,441	150,000	0	0	664,808
Planning	13,681	400,000	166,575	0	0	0	0	166,575
Total Project Costs	13,681	424,412	506,942	5,608,347	1,657,256	0	0	7,772,545
Oper & Maint Costs	0	0	0	0	0	0	0	0

99th Avenue at Glisan, NE

Area: NE

Objective(s): Replacement

Project Description

Improve south leg of NE 99th /Glisan intersection and realign to match north leg location. Acquire right of way and provide 3-lane cross-section with pedestrian crossing.

Funding Sources

PDC	61,070	625,761	23,239	0	0	0	0	23,239
Total Funding Sources	61,070	625,761	23,239	0	0	0	0	23,239

Project Costs

Construction/Equipment	0	465,761	23,239	0	0	0	0	23,239
Planning	61,070	0	0	0	0	0	0	0
Design/Project Mgmt	0	160,000	0	0	0	0	0	0
Total Project Costs	61,070	625,761	23,239	0	0	0	0	23,239
Oper & Maint Costs	0	0	0	0	0	0	0	0

Gateway: Project Implementation

Area: NE

Objective(s): Efficiency

Project Description

Implement transportation improvements to support the Gateway Urban Renewal Area. Improvements will be identified in cooperation with PDC and the community as part of the Gateway Urban Renewal Process.

Funding Sources

System Development Charges	0	0	0	1,500,000	0	0	0	1,500,000
PDC	0	0	125,000	0	0	0	0	125,000
Total Funding Sources	0	0	125,000	1,500,000	0	0	0	1,625,000

Project Costs

Construction/Equipment	0	0	0	1,500,000	0	0	0	1,500,000
Design/Project Mgmt	0	0	125,000	0	0	0	0	125,000
Total Project Costs	0	0	125,000	1,500,000	0	0	0	1,625,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Bertha Court								
								Area: All
								Objective(s): Expansion
Project Description								
Addition of sidewalk and bike lane on east side of Bertha Ct from Vermont to Capitol Hwy. Construction from June 2003 to Sept 2003. Water treatment to be incorporated in project.								
Funding Sources								
Oregon Department of Transportation	0	27,600	2,500	0	0	0	0	2,500
System Development Charges	93,940	83,400	0	0	0	0	0	0
Total Funding Sources	93,940	111,000	2,500	0	0	0	0	2,500
Project Costs								
Construction/Equipment	0	111,000	2,500	0	0	0	0	2,500
Site Acquisition	21,133	0	0	0	0	0	0	0
Design/Project Mgmt	72,807	0	0	0	0	0	0	0
Total Project Costs	93,940	111,000	2,500	0	0	0	0	2,500
Oper & Maint Costs	0	0	0	0	0	0	0	0
Division Streetscape/Recon, SE								
								Area: SE
								Objective(s): Maintenance
Project Description								
Pavement condition on Division between 6th Ave and 39th Ave is very poor with heavy rutting and cracking. The project will develop a plan for streetscape and transportation improvements between 11th and 60th Ave. With the plan in place, Phase 1 of implementation can begin. Phase 1 implementation will include: roadway base repair and pavement reconstruction between SE 6th Ave and SE 14th Ave, asphalt grind and overlay between SE 14th Ave and SE 39th Ave, and reconstruction of streetscape improvements between SE 11th Ave and SE 39th Ave.								
Funding Sources								
System Development Charges	0	0	0	83,345	734,013	0	0	817,358
TEA-21	0	0	0	150,000	378,000	322,848	168,848	1,019,696
Total Funding Sources	0	0	0	233,345	1,112,013	322,848	168,848	1,837,054
Project Costs								
Design/Project Mgmt	0	0	0	0	225,000	154,000	0	379,000
Construction/Equipment	0	0	0	0	734,013	168,848	168,848	1,071,709
Planning	0	0	0	233,345	153,000	0	0	386,345
Total Project Costs	0	0	0	233,345	1,112,013	322,848	168,848	1,837,054
Oper & Maint Costs	0	0	0	0	0	0	0	0
Cully Blvd: Prescott-Killingworth								
								Area: NE
								Objective(s): Replacement
Project Description								
Project will plan, design, and reconstruct roadway to provide curbs, sidewalks and bike lanes and improve access to transit. Project will also plan, design, and construct new traffic signal and intersection improvements at NE Cully/60th/Prescott. Project will incorporate greenstreet design practices.								
Funding Sources								
System Development Charges	0	0	0	94,470	1,079,214	0	0	1,173,684
TEA-21	0	0	0	100,000	411,675	261,325	0	773,000
Total Funding Sources	0	0	0	194,470	1,490,889	261,325	0	1,946,684
Project Costs								
Site Acquisition	0	0	0	0	63,350	0	0	63,350
Design/Project Mgmt	0	0	0	0	261,325	261,325	0	522,650
Construction/Equipment	0	0	0	0	1,015,864	0	0	1,015,864
Planning	0	0	0	194,470	150,350	0	0	344,820
Total Project Costs	0	0	0	194,470	1,490,889	261,325	0	1,946,684
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking

Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Gateway: 102nd Ave, NE/SE								
								E
Area:								
Objective(s):								Expansion
Project Description								
Survey, design, and engineer pedestrian and street improvements at NE/SE 102nd between NE Hancock and SE Main in the Gateway Urban Renewal Area.								
Funding Sources								
PDC	0	14,898	0	0	0	0	0	0
TEA-21	0	172,833	274,967	154,552	0	0	0	429,519
Total Funding Sources	0	187,731	274,967	154,552	0	0	0	429,519
Project Costs								
Construction/Equipment	0	0	0	154,552	0	0	0	154,552
Site Acquisition	0	0	100,000	0	0	0	0	100,000
Design/Project Mgmt	0	187,731	174,967	0	0	0	0	174,967
Total Project Costs	0	187,731	274,967	154,552	0	0	0	429,519
Oper & Maint Costs	0	0	0	0	0	0	0	0
Tacoma St: 6th-21st, SE								
								SE
Area:								
Objective(s):								Efficiency
Project Description								
Streetscape improvements on SE Tacoma from SE 6th to 21st Ave. The improvements include curb extensions at transit stops, median islands, and pedestrian cross walk improvements.								
Funding Sources								
Private Grants and Donations	0	1,000	0	0	0	0	0	0
General Transportation Revenue	0	49,000	0	0	0	0	0	0
Oregon Department of Transportation	4,276	84,938	110,786	0	0	0	0	110,786
Total Funding Sources	4,276	134,938	110,786	0	0	0	0	110,786
Project Costs								
Design/Project Mgmt	4,276	48,871	0	0	0	0	0	0
Construction/Equipment	0	86,067	110,786	0	0	0	0	110,786
Total Project Costs	4,276	134,938	110,786	0	0	0	0	110,786
Oper & Maint Costs	0	0	0	0	0	0	0	0
Central Eastside Bridgehead								
								CC
Area:								
Objective(s):								Expansion
Project Description								
This project improves pedestrian access to/from the Central Eastside and the Willamette River bridges in this district. Set of projects includes construction of sidewalks along the west edge of Grand Avenue and removal of the hazardous weaving traffic movements in the vicinity of the Morrison and Hawthorne Bridge approaches, and realignment of the ramp and provision of a sidewalk from the Morrison Bridge to Water Avenue (latter to be done by Multnomah County).								
Funding Sources								
General Transportation Revenue	0	0	0	23,210	99,876	0	0	123,086
Oregon Department of Transportation	0	0	0	226,000	972,500	0	0	1,198,500
Total Funding Sources	0	0	0	249,210	1,072,376	0	0	1,321,586
Project Costs								
Construction/Equipment	0	0	0	0	922,376	0	0	922,376
Planning	0	0	0	23,210	0	0	0	23,210
Design/Project Mgmt	0	0	0	226,000	150,000	0	0	376,000
Total Project Costs	0	0	0	249,210	1,072,376	0	0	1,321,586
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking
Office of Transportation

PROJECT DETAIL

	Revised		Adopted		Capital Plan				5-Year
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	Total	
St Johns/Lombard Ped Imp, N									
Area:								N	
Objective(s):								Expansion	
Project Description									
Pedestrian crossing improvements in the St. Johns Town Center and Lombard main street to support and implement the St. Johnson/Lombard Plan.									
Funding Sources									
General Transportation Revenue	13,681	0	0	33,266	62,268	0	0	95,534	
Oregon Department of Transportation	0	0	0	324,500	605,500	0	0	930,000	
Total Funding Sources	13,681	0	0	357,766	667,768	0	0	1,025,534	
Project Costs									
Construction/Equipment	0	0	0	0	667,768	0	0	667,768	
Design/Project Mgmt	13,681	0	0	357,766	0	0	0	357,766	
Total Project Costs	13,681	0	0	357,766	667,768	0	0	1,025,534	
Oper & Maint Costs	0	0	0	0	0	0	0	0	
Killingsworth Street Imp, N/NE									
Area:								NE	
Objective(s):								Replacement	
Project Description									
Construct streetscape improvements as recommended in the Killingsworth Street Improvements Planning Project Report, adopted by City Council August 7, 2003. Current cross-section is 2 travel lanes with parking. Proposed cross-section is 2 travel lanes with curb extensions with parking. Improvements include curb extensions, new sidewalks with architectural scoring, paver detail at corners, sidewalk widening in some blocks, new crosswalks, new street trees and streetlighting. Five block fronts are being constructed by Portland Community College as part of Cascade Campus improvements.									
Funding Sources									
PDC	0	0	200,000	0	0	0	0	200,000	
Fund Balance (Internal)	0	0	250,000	0	0	0	0	250,000	
Total Funding Sources	0	0	450,000	0	0	0	0	450,000	
Project Costs									
Design/Project Mgmt	0	0	450,000	0	0	0	0	450,000	
Total Project Costs	0	0	450,000	0	0	0	0	450,000	
Oper & Maint Costs	0	0	0	0	0	0	0	0	
Freight & Industrial Area Program									
Lombard Overcrossing, N									
Area:								N	
Objective(s):								Expansion	
Project Description									
The project will construct an overpass on the existing alignment of N Lombard Street to remove two at-grade rail crossings. The project will improve freight access by removing a bottleneck. The project will allow for improved freight rail service to the Riverage Industrial Area. The project will include bike lanes and sidewalks.									
Funding Sources									
Port of Portland	54,366	1,572,275	0	0	0	0	0	0	
General Transportation Revenue	66,262	0	0	0	0	0	0	0	
System Development Charges	206,446	1,572,275	0	150,331	0	0	0	150,331	
TEA-21	461,516	0	942,640	55,278	0	0	0	997,918	
Total Funding Sources	788,590	3,144,550	942,640	205,609	0	0	0	1,148,249	
Project Costs									
Site Acquisition	0	5,076	0	0	0	0	0	0	
Construction/Equipment	0	2,797,635	942,640	205,609	0	0	0	1,148,249	
Design/Project Mgmt	788,590	341,839	0	0	0	0	0	0	
Total Project Costs	788,590	3,144,550	942,640	205,609	0	0	0	1,148,249	
Oper & Maint Costs	0	0	0	0	0	0	0	0	

Capital Improvement Plan — Transportation and Parking

Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		

Col/Killingsworth E Conn, NE

Area: NE

Objective(s): Expansion

Project Description

Identify, design, and construct improvements aimed at easing congestion and safety problems in the area bounded by 82nd, Columbia, Killingsworth, and I-205. While a primary goal is to improve freight mobility, pedestrian, bicycle, and transit access through the corridor will also be addressed.

Funding Sources

System Development Charges	0	0	1,437,072	1,103,424	2,119,504	0	0	4,660,000
Oregon Department of Transportation	0	3,737,782	3,684,718	3,880,724	5,883,212	2,578,815	0	16,027,469
Port of Portland	649,303	1,279,882	52,987	0	0	0	0	52,987
Total Funding Sources	649,303	5,017,664	5,174,777	4,984,148	8,002,716	2,578,815	0	20,740,456

Project Costs

Construction/Equipment	0	0	0	4,984,148	8,002,716	2,578,815	0	15,565,679
Design/Project Mgmt	0	1,453,227	1,547,841	0	0	0	0	1,547,841
Site Acquisition	0	3,564,437	3,626,936	0	0	0	0	3,626,936
Planning	649,303	0	0	0	0	0	0	0
Total Project Costs	649,303	5,017,664	5,174,777	4,984,148	8,002,716	2,578,815	0	20,740,456
Oper & Maint Costs	0	0	0	0	0	0	0	0

Columbia Blvd/MLK Blvd, NE

Area: NE

Objective(s): Expansion

Project Description

Reconnaissance level engineering and alternative analysis for the improvement of freight mobility at the intersection of MLK/Columbia, MLK/Lombard, or 11th/Columbia and 11th/Lombard. PE only. \$1,000,000 of PE unfunded. Construction and ROW unfunded.

Funding Sources

Federal Grants	0	0	0	0	2,000,000	0	0	2,000,000
System Development Charges	0	0	0	486,234	0	0	0	486,234
Total Funding Sources	0	0	0	486,234	2,000,000	0	0	2,486,234

Project Costs

Construction/Equipment	0	0	0	0	2,000,000	0	0	2,000,000
Planning	0	0	0	486,234	0	0	0	486,234
Total Project Costs	0	0	0	486,234	2,000,000	0	0	2,486,234
Oper & Maint Costs	0	0	0	0	0	0	0	0

Going Bridge, N

Area: N

Objective(s): Replacement

Project Description

Rehabilitation of the North Going Bridge which serves as the only access to the Swan Island industrial area.

Funding Sources

Local Improvement District	0	0	11,952	0	0	0	0	11,952
Total Funding Sources	0	0	11,952	0	0	0	0	11,952

Project Costs

Planning	0	0	11,952	0	0	0	0	11,952
Total Project Costs	0	0	11,952	0	0	0	0	11,952
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking
Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

St Johns Truck Strategy, Phase I

Area: All

Objective(s): Efficiency

Project Description

Intersection realignment and signal improvements between N Philadelphia/Ivanhoe and Lombard/St Louis to improve freight mobility and pedestrian safety through the St Johns Town Center.

Funding Sources

General Transportation Revenue	0	0	0	33,269	69,819	0	0	103,088
Federal Grants	0	0	0	324,500	679,500	0	0	1,004,000
Total Funding Sources	0	0	0	357,769	749,319	0	0	1,107,088

Project Costs

Construction/Equipment	0	0	0	0	749,319	0	0	749,319
Design/Project Mgmt	0	0	0	357,769	0	0	0	357,769
Total Project Costs	0	0	0	357,769	749,319	0	0	1,107,088
Oper & Maint Costs	0	0	0	0	0	0	0	0

Local Street Development Program

LID Street Design, NI

Area: Undefined

Objective(s): Replacement

Project Description

Design 2 projects after LID formation of 1,000 linear feet each (approx. 8 blocks) to be constructed in FY 2005-06.

Funding Sources

Local Improvement District	0	183,969	205,758	219,118	224,596	230,211	235,966	1,115,649
Total Funding Sources	0	183,969	205,758	219,118	224,596	230,211	235,966	1,115,649

Project Costs

Design/Project Mgmt	0	183,969	205,758	219,118	224,596	230,211	235,966	1,115,649
Total Project Costs	0	183,969	205,758	219,118	224,596	230,211	235,966	1,115,649
Oper & Maint Costs	0	0	0	0	0	0	0	0

Deficiency Corrections Program, CW

Area: All

Objective(s): Maintenance

Project Description

Permit improvement projects are often made adjacent to existing streets that are in poor condition. These existing maintained streets frequently need special attention to: increase pavement strength, remove existing structural defects and improve existing drainage characteristics. This program provides capital funding for these improvements that are built in conjunction with new permit projects.

Funding Sources

General Transportation Revenue	7,980	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	7,980	50,000	50,000	50,000	50,000	50,000	50,000	250,000

Project Costs

Planning	0	1,500	1,500	1,500	1,500	1,500	1,500	7,500
Design/Project Mgmt	0	9,598	9,000	9,000	9,000	9,000	9,000	45,000
Construction/Equipment	7,980	38,902	39,500	39,500	39,500	39,500	39,500	197,500
Total Project Costs	7,980	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Substandard Street Program, CW								
Area:								All
Objective(s):								Expansion
Project Description								
The substandard street program allows for the construction of streets that incorporate minimum safety features and adequately address drainage requirements and utility needs without provision for long term durability or city maintenance.								
Funding Sources								
General Transportation Revenue	2,700	2,700	2,800	2,912	3,038	3,158	3,158	15,066
PDOT Permit Fees	8,575	31,933	24,084	30,300	33,300	36,300	39,300	163,284
Total Funding Sources	11,275	34,633	26,884	33,212	36,338	39,458	42,458	178,350
Project Costs								
Planning	600	3,200	2,600	2,600	2,800	3,000	3,300	14,300
Design/Project Mgmt	3,310	23,700	15,041	19,200	21,000	22,800	24,600	102,641
Construction/Equipment	7,365	7,733	9,243	11,412	12,538	13,658	14,558	61,409
Total Project Costs	11,275	34,633	26,884	33,212	36,338	39,458	42,458	178,350
Oper & Maint Costs	0	0	0	0	0	0	0	0
Subdivision Street Program CW								
Area:								All
Objective(s):								Expansion
Project Description								
Program for 04/05 provides for plan review and construction 25 residential subdivisions. All designs are by consulting engineers.								
Funding Sources								
General Transportation Revenue	22,500	22,500	23,400	24,336	25,309	26,322	26,322	125,689
PDOT Permit Fees	199,944	420,921	382,760	449,500	464,500	480,500	487,500	2,264,760
Total Funding Sources	222,444	443,421	406,160	473,836	489,809	506,822	513,822	2,390,449
Project Costs								
Planning	14,889	35,680	36,720	37,760	38,960	40,200	40,800	194,440
Design/Project Mgmt	104,227	147,180	151,470	155,760	160,710	165,700	168,300	801,940
Site Acquisition	0	0	4,000	4,000	4,000	4,000	4,000	20,000
Construction/Equipment	103,328	260,561	213,970	276,316	286,139	296,922	300,722	1,374,069
Total Project Costs	222,444	443,421	406,160	473,836	489,809	506,822	513,822	2,390,449
Oper & Maint Costs	0	0	0	0	0	0	0	0
Comm/Industrial Street Prgm, CW								
Area:								All
Objective(s):								Expansion
Project Description								
For 03/04, this project category provides for the plan review and construction engineering on 32 projects.								
Funding Sources								
General Transportation Revenue	45,700	45,700	47,528	49,429	51,406	53,463	53,463	255,289
PDOT Permit Fees	493,059	564,600	498,529	696,300	719,300	743,300	765,300	3,422,729
Total Funding Sources	538,759	610,300	546,057	745,729	770,706	796,763	818,763	3,678,018
Project Costs								
Site Acquisition	0	7,000	7,200	7,400	7,700	8,000	8,100	38,400
Planning	14,412	63,000	64,900	66,700	68,800	70,700	72,900	344,000
Design/Project Mgmt	105,689	182,000	187,500	193,000	198,900	205,000	211,000	995,400
Construction/Equipment	418,658	358,300	286,457	478,629	495,306	513,063	526,763	2,300,218
Total Project Costs	538,759	610,300	546,057	745,729	770,706	796,763	818,763	3,678,018
Oper & Maint Costs	0	0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

Minor Permit Streets Program, CW

Area: All

Objective(s): Expansion

Project Description

This category covers all non-residential projects with construction values less than \$25,000. Category includes street closures, sidestrips, frontage improvements, inlets, sidewalks, etc.

Funding Sources

General Transportation Revenue	25,596	25,596	26,620	27,685	28,792	29,944	29,944	142,985
PDOT Permit Fees	149,520	170,288	151,896	175,004	181,004	187,204	193,404	888,512
Total Funding Sources	175,116	195,884	178,516	202,689	209,796	217,148	223,348	1,031,497

Project Costs

Site Acquisition	0	2,600	2,800	3,000	3,200	3,500	3,500	16,000
Planning	24,391	24,600	25,400	26,000	26,900	27,700	28,500	134,500
Design/Project Mgmt	62,400	62,400	64,400	66,200	68,200	70,200	72,300	341,300
Construction/Equipment	88,325	106,284	85,916	107,489	111,496	115,748	119,048	539,697
Total Project Costs	175,116	195,884	178,516	202,689	209,796	217,148	223,348	1,031,497

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Pre-LID Street Design, NI

Area: Undefined

Objective(s): Replacement

Project Description

Prepare 12 pre-LID estimates. These are estimates that may not result in an LID project and are, therefore, unrecoverable.

Funding Sources

General Transportation Revenue	0	30,000	30,000	30,000	30,000	30,000	30,000	150,000
Total Funding Sources	0	30,000	30,000	30,000	30,000	30,000	30,000	150,000

Project Costs

Design/Project Mgmt	0	30,000	30,000	30,000	30,000	30,000	30,000	150,000
Total Project Costs	0	30,000	30,000	30,000	30,000	30,000	30,000	150,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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13th Ave: Johnson-Raleigh, NW

Area: NW

Objective(s): Maintenance
Expansion

Project Description

Street improvements along NW 13th Ave from NW Johnson to Raleigh. The proposed LID would complete improvements to this unique streetscape within the River District Urban Renewal Area. Improvements to NW 13th from Davis to Johnson were made approx. 10 years ago, and include an open concrete street with loading docks in lieu of sidewalks.

Funding Sources

PDC	54,366	343,898	506,000	0	0	0	0	506,000
Local Improvement District	20,198	0	1,750,000	0	0	0	0	1,750,000
Total Funding Sources	74,564	343,898	2,256,000	0	0	0	0	2,256,000

Project Costs

Construction/Equipment	54,366	0	2,156,000	0	0	0	0	2,156,000
Design/Project Mgmt	20,198	343,898	100,000	0	0	0	0	100,000
Total Project Costs	74,564	343,898	2,256,000	0	0	0	0	2,256,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Transportation and Parking

Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

128th Ave:Lydia Ct-Foster Rd, SE

Area: SE

Objective(s): Replacement

Project Description

Construct street and sidewalk improvements to SE 128th Avenue from the south line of Foster to 81 feet north of Lydia Court.

Funding Sources

Interagencies Bureau Revenues	66,262	0	358,165	0	0	0	0	358,165
Total Funding Sources	66,262	0	358,165	0	0	0	0	358,165

Project Costs

Construction/Equipment	66,262	0	358,165	0	0	0	0	358,165
Total Project Costs	66,262	0	358,165	0	0	0	0	358,165
Oper & Maint Costs	0	0	0	0	0	0	0	0

19th Avenue (Evans-Barbur), SW

Area: SW

Objective(s): Replacement

Project Description

Construct street and sidewalk improvements on SW 19th Avenue from the south line of Evans to 230 feet south.

Funding Sources

Interagencies Bureau Revenues	20,198	0	123,297	0	0	0	0	123,297
Total Funding Sources	20,198	0	123,297	0	0	0	0	123,297

Project Costs

Construction/Equipment	20,198	0	123,297	0	0	0	0	123,297
Total Project Costs	20,198	0	123,297	0	0	0	0	123,297
Oper & Maint Costs	0	0	0	0	0	0	0	0

Neighborhood Livability Program

MLK Corridor Engr & Const, NE

Area: NE

Objective(s): Replacement

Project Description

The project will construct Phase 4 of the Martin Luther King Jr. Boulevard street improvements. Construction will occur from Alberta to Killingsworth Streets. Improvements will include street trees, ornamental lights and street modifications to allow for on-street parking.

Funding Sources

PDC	0	2,359,242	2,965,000	2,975,000	3,006,000	0	0	8,946,000
Total Funding Sources	0	2,359,242	2,965,000	2,975,000	3,006,000	0	0	8,946,000

Project Costs

Design/Project Mgmt	0	421,293	310,090	595,000	601,200	0	0	1,506,290
Construction/Equipment	0	1,937,949	2,654,910	2,380,000	2,404,800	0	0	7,439,710
Total Project Costs	0	2,359,242	2,965,000	2,975,000	3,006,000	0	0	8,946,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking
Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total

Lents Improvements, SE

Area: SE

Objective(s): Replacement
Efficiency

Project Description

Street improvements within the Lents Urban Renewal District. Project may include residential street improvements; bicycle, pedestrian and traffic safety improvements.

Funding Sources

System Development Charges	56,854	0	0	0	0	0	0	0
PDC	175,160	410,691	1,835,000	0	0	0	0	1,835,000
Total Funding Sources	232,014	410,691	1,835,000	0	0	0	0	1,835,000

Project Costs

Construction/Equipment	0	55,000	1,835,000	0	0	0	0	1,835,000
Planning	63,326	0	0	0	0	0	0	0
Design/Project Mgmt	168,688	355,691	0	0	0	0	0	0
Total Project Costs	232,014	410,691	1,835,000	0	0	0	0	1,835,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Lents TC: Traffic Safety SE

Area: SE

Objective(s): Efficiency

Project Description

Design and construct traffic safety improvements related to the Lents Town Center Urban Renewal District.

Funding Sources

PDC	0	0	135,508	0	0	0	0	135,508
Total Funding Sources	0	0	135,508	0	0	0	0	135,508

Project Costs

Construction/Equipment	0	0	110,508	0	0	0	0	110,508
Design/Project Mgmt	0	0	25,000	0	0	0	0	25,000
Total Project Costs	0	0	135,508	0	0	0	0	135,508

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Ped Crossing Projects, CW

Area: All

Objective(s): Replacement

Project Description

Project will design and construct pedestrian crossing improvements using solutions identified in the FY 94/95 ped crossing study and FY 95/96 demonstration projects. Over 200 ped crossing deficiencies are identified in the ped master plan.

Funding Sources

General Transportation Revenue	0	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	0	50,000	50,000	50,000	50,000	50,000	50,000	250,000

Project Costs

Planning	0	5,000	5,000	5,000	5,000	5,000	5,000	25,000
Design/Project Mgmt	0	12,500	12,500	12,500	12,500	12,500	12,500	62,500
Construction/Equipment	0	32,500	32,500	32,500	32,500	32,500	32,500	162,500
Total Project Costs	0	50,000	50,000	50,000	50,000	50,000	50,000	250,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Transportation and Parking

Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Corbett Traffic Phase III, SW								
								Area: SW
								Objective(s): Replacement
Project Description								
Identify, design, and construct traffic calming improvements along SW Corbett Ave.								
Funding Sources								
General Transportation Revenue	6,382	0	50,000	100,000	0	0	0	150,000
Total Funding Sources	6,382	0	50,000	100,000	0	0	0	150,000
Project Costs								
Construction/Equipment	0	0	0	100,000	0	0	0	100,000
Design/Project Mgmt	0	0	50,000	0	0	0	0	50,000
Planning	6,382	0	0	0	0	0	0	0
Total Project Costs	6,382	0	50,000	100,000	0	0	0	150,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Bikeway Network Completion, CW								
								Area: All
								Objective(s): Replacement
Project Description								
Gaps in Portland's 200 miles of existing bikeways present significant barriers to bicyclists. These can be remedied through modest expenditures to address the most critically needed annual improvements. Through construction to close these gaps in the bikeways, bicycling should increase as disincentives to usage are eliminated and connections are improved.								
Funding Sources								
Fund Balance (Internal)	0	20,000	0	0	0	0	0	0
General Transportation Revenue	0	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	0	70,000	50,000	50,000	50,000	50,000	50,000	250,000
Project Costs								
Design/Project Mgmt	0	10,000	10,000	10,000	10,000	10,000	10,000	50,000
Planning	0	10,000	10,000	10,000	10,000	10,000	10,000	50,000
Construction/Equipment	0	50,000	30,000	30,000	30,000	30,000	30,000	150,000
Total Project Costs	0	70,000	50,000	50,000	50,000	50,000	50,000	250,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Foster at Barbara Welch								
								Area: SE
								Objective(s): Expansion
Project Description								
Reconstruct both roadways to provide left turn lanes, bike lanes, sidewalk and install a traffic signal. Present and future development in area is creating congestion and safety problems. Proposal to extend urban growth boundary and creation of town center in Damascus area will create additional traffic on Foster Rd.								
Funding Sources								
System Development Charges	0	0	0	0	488,336	0	0	488,336
Total Funding Sources	0	0	0	0	488,336	0	0	488,336
Project Costs								
Design/Project Mgmt	0	0	0	0	85,000	0	0	85,000
Construction/Equipment	0	0	0	0	403,336	0	0	403,336
Total Project Costs	0	0	0	0	488,336	0	0	488,336
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking
Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	Total
Kerby/I-405, N								
								N
Area:								Efficiency
Objective(s):								
Project Description								
This project will increase the I-405 Kerby off ramp from one to two lanes. This will allow emergency vehicles to access Emanuel Hospital more timely.								
Funding Sources								
General Transportation Revenue	0	0	200,000	0	0	0	0	200,000
Oregon Department of Transportation	0	0	210,741	0	0	0	0	210,741
Private Grants and Donations	0	0	14,000	0	0	0	0	14,000
System Development Charges	0	0	250,000	0	0	0	0	250,000
Total Funding Sources	0	0	674,741	0	0	0	0	674,741
Project Costs								
Design/Project Mgmt	0	0	115,000	0	0	0	0	115,000
Construction/Equipment	0	0	559,741	0	0	0	0	559,741
Total Project Costs	0	0	674,741	0	0	0	0	674,741
Oper & Maint Costs	0	0	0	0	0	0	0	0
Interstate Livability Project								
								N
Area:								Expansion
Objective(s):								
Project Description								
Plan, design and construct neighborhood transportation improvements identified by the Interstate Corridor Urban Renewal Advisory Committee (ICURAC).								
Funding Sources								
PDC	0	60,000	100,000	0	0	0	0	100,000
Total Funding Sources	0	60,000	100,000	0	0	0	0	100,000
Project Costs								
Planning	0	5,000	15,000	0	0	0	0	15,000
Design/Project Mgmt	0	10,000	15,000	0	0	0	0	15,000
Construction/Equipment	0	45,000	70,000	0	0	0	0	70,000
Total Project Costs	0	60,000	100,000	0	0	0	0	100,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
ISIP Ped Crossing Projects, CW								
								All
Area:								Replacement
Objective(s):								
Project Description								
This project is a total of 7 separate project sites. Funded by ODOT ISIP program, we will build median islands and curb extension in busy ODOT streets to increase pedestrian safety.								
Funding Sources								
Oregon Department of Transportation	0	205,000	190,000	0	0	0	0	190,000
Total Funding Sources	0	205,000	190,000	0	0	0	0	190,000
Project Costs								
Design/Project Mgmt	0	77,000	36,000	0	0	0	0	36,000
Construction/Equipment	0	128,000	154,000	0	0	0	0	154,000
Total Project Costs	0	205,000	190,000	0	0	0	0	190,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking

Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	Total

HEP Project: Linnton, NW

Area: NW

Objective(s): Efficiency

Project Description

Project includes signal upgrades and pedestrian improvements on St. Helens Road at 105th & 107th. By replacing the existing traffic signal heads with 12" traffic signal heads with backboards, visibility of the traffic signals will be improved, thus helping to address the intersections' history of sign disregard accidents. The signal upgrade at 107th Avenue will include providing railroad pre-emption and interconnection. Additional marked pedestrian crossings may improve pedestrian access to transit.

Funding Sources

Fund Balance (Internal)	0	0	50,000	0	0	0	0	50,000
Oregon Department of Transportation	0	0	50,000	54,000	0	0	0	104,000
Total Funding Sources	0	0	100,000	54,000	0	0	0	154,000

Project Costs

Design/Project Mgmt	0	0	50,000	0	0	0	0	50,000
Construction/Equipment	0	0	50,000	54,000	0	0	0	104,000
Total Project Costs	0	0	100,000	54,000	0	0	0	154,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Preservation & Rehabilitation Program

Bybee Blvd Over McLoughlin, SE

Area: SE

Objective(s): Replacement

Project Description

Replacement of a 2-lane high traffic volume bridge with inadequate under-clearance with a 2-lane bridge with standard clearance and a higher load capacity. Improvements will also include sidewalks and bike lanes.

Funding Sources

Private Grants and Donations	0	3,800	0	0	0	0	0	0
Fund Balance (Internal)	0	50,000	0	0	0	0	0	0
Tri-Met	0	125,000	0	0	0	0	0	0
Interagencies Bureau Revenues	11,840	364,590	0	0	0	0	0	0
General Transportation Revenue	76,328	327,514	0	0	0	0	0	0
Oregon Department of Transportation	128,615	37,366	173,025	0	0	0	0	173,025
Total Funding Sources	216,783	908,270	173,025	0	0	0	0	173,025

Project Costs

Site Acquisition	0	41,500	0	0	0	0	0	0
Construction/Equipment	0	792,692	173,025	0	0	0	0	173,025
Design/Project Mgmt	216,783	74,078	0	0	0	0	0	0
Total Project Costs	216,783	908,270	173,025	0	0	0	0	173,025
Oper & Maint Costs	0	0	0	0	0	0	0	0

23rd: Burnside-Lovejoy, NW

Area: NW

Objective(s): Replacement

Project Description

Pavement on NW 23rd Ave between Burnside and Lovejoy has deteriorated beyond the stage of what reasonable maintenance can provide. The project will design and reconstruct the roadway between the existing curbs. Approximately 15,000 vehicles use the roadway each day and reconstruction will allow a 20-plus year life span of the street. Construction is scheduled to occur in Summer 2005.

Funding Sources

General Transportation Revenue	0	24,000	161,495	0	0	0	0	161,495
Oregon Department of Transportation	0	76,167	370,710	220,000	0	0	0	590,710
Total Funding Sources	0	100,167	532,205	220,000	0	0	0	752,205

Project Costs

Construction/Equipment	0	0	378,372	220,000	0	0	0	598,372
Design/Project Mgmt	0	100,167	153,833	0	0	0	0	153,833
Total Project Costs	0	100,167	532,205	220,000	0	0	0	752,205
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking
Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

MLK Viaduct, SE

Area: SE

Objective(s): Replacement

Project Description

Replace existing structure and enhance local circulation for pedestrians, bikes, and freight.

Funding Sources

Oregon Department of Transportation	0	15,102	40,000	10,000	10,000	0	0	60,000
General Transportation Revenue	84,499	0	0	0	0	0	0	0
Total Funding Sources	84,499	15,102	40,000	10,000	10,000	0	0	60,000

Project Costs

Construction/Equipment	0	0	0	10,000	10,000	0	0	20,000
Design/Project Mgmt	84,499	15,102	40,000	0	0	0	0	40,000
Total Project Costs	84,499	15,102	40,000	10,000	10,000	0	0	60,000

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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Naito Pkwy: Davis-Market SW, NW

Area: W

Objective(s): Maintenance
Efficiency

Project Description

Federal funding to reconstruction Naito Parkway from Davis to Market. Addition of bike lanes, improvement of ramps to ADA standards, provide for a storm water treatment and drainage. Public involvement in Fall of 2002. Design: Nov. 2002-Nov. 2003. Construction: April 2004-April 2006.

Funding Sources

PDC	0	146,000	248,250	1,205,750	0	0	0	1,454,000
Fund Balance (Internal)	33,918	50,000	496,410	0	0	0	0	496,410
General Transportation Revenue	246,481	44,053	50,000	0	0	0	0	50,000
Oregon Department of Transportation	407,386	173,177	165,517	561,913	0	0	0	727,430
Total Funding Sources	687,785	413,230	960,177	1,767,663	0	0	0	2,727,840

Project Costs

Construction/Equipment	0	0	788,571	1,767,663	0	0	0	2,556,234
Design/Project Mgmt	687,785	413,230	171,606	0	0	0	0	171,606
Total Project Costs	687,785	413,230	960,177	1,767,663	0	0	0	2,727,840

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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SW Champlain Semi Viaduct, SW

Area: SW

Objective(s): Replacement

Project Description

This structure is posted due to insufficient shear and moment capacity. This project will replace this structure with retaining wall and geofoam fill

Funding Sources

Oregon Department of Transportation	8,239	65,100	209,030	0	0	0	0	209,030
Total Funding Sources	8,239	65,100	209,030	0	0	0	0	209,030

Project Costs

Construction/Equipment	0	31,119	209,030	0	0	0	0	209,030
Design/Project Mgmt	0	28,981	0	0	0	0	0	0
Planning	8,239	5,000	0	0	0	0	0	0
Total Project Costs	8,239	65,100	209,030	0	0	0	0	209,030

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Transportation and Parking Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

Signal Communication System

Area: All

Objective(s): Replacement
Efficiency

Project Description

Continuing program of installing cable to connect individual traffic signals to the central control computer. Central control allows improvements to traffic signal timings and allows monitoring of malfunctioning lights to speed necessary repairs. This improves traffic flow and safety, and reduces air pollution and fuel consumption. This work dovetails with ODOT's freeway management system work.

Funding Sources

General Transportation Revenue	0	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Total Funding Sources	0	100,000	100,000	100,000	100,000	100,000	100,000	500,000

Project Costs

Design/Project Mgmt	0	10,000	10,000	10,000	10,000	10,000	10,000	50,000
Planning	0	10,000	10,000	10,000	10,000	10,000	10,000	50,000
Construction/Equipment	0	80,000	80,000	80,000	80,000	80,000	80,000	400,000
Total Project Costs	0	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Signal Reconstruction, NI

Area: All

Objective(s): Maintenance
Replacement

Project Description

Currently over 200 signalized intersections have exceeded their useful life, and are in need of complete remodeling to eliminate the need for emergency repairs due to the age and deteriorated condition of signals. Work involves replacing deteriorated cables, signal heads, lights, poles, etc. This work is needed to reduce the potential for signals falling down and to reduce associated maintenance costs.

Funding Sources

General Transportation Revenue	0	570,000	570,020	570,000	570,000	570,000	570,000	2,850,020
Total Funding Sources	0	570,000	570,020	570,000	570,000	570,000	570,000	2,850,020

Project Costs

Planning	0	15,000	15,000	15,000	15,000	15,000	15,000	75,000
Design/Project Mgmt	0	55,000	55,000	55,000	55,000	55,000	55,000	275,000
Construction/Equipment	0	500,000	500,020	500,000	500,000	500,000	500,000	2,500,020
Total Project Costs	0	570,000	570,020	570,000	570,000	570,000	570,000	2,850,020
Oper & Maint Costs	0	0	0	0	0	0	0	0

NE 33rd Over Lombard & UPRR, NE

Area: NE

Objective(s): Maintenance

Project Description

NE 33rd Ave Over NE Lombard St and UPRR tracks. This structure is currently posted due to insufficient flexural capacity on the main and approach spans. Project will address repair/rehabilitation of these items returning the structure to full capacity.

Funding Sources

Oregon Department of Transportation	1,958	47,818	1,787,173	1,658,561	10,000	0	0	3,455,734
Total Funding Sources	1,958	47,818	1,787,173	1,658,561	10,000	0	0	3,455,734

Project Costs

Construction/Equipment	0	0	1,667,173	1,658,561	10,000	0	0	3,335,734
Design/Project Mgmt	0	42,818	120,000	0	0	0	0	120,000
Planning	1,958	5,000	0	0	0	0	0	0
Total Project Costs	1,958	47,818	1,787,173	1,658,561	10,000	0	0	3,455,734
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking
Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

NE 33rd Over Columbia Sl, NE

Area: NE

Objective(s): Replacement

Project Description

NE 33rd Ave over Columbia Slough replacement (east half). Timber/concrete structure approaching end of life cycle. Project will replace structure with a new concrete structure.

Funding Sources

Oregon Department of Transportation	1,327	30,986	86,152	401,484	933,621	0	0	1,421,257
Total Funding Sources	1,327	30,986	86,152	401,484	933,621	0	0	1,421,257

Project Costs

Construction/Equipment	0	0	0	363,503	933,621	0	0	1,297,124
Design/Project Mgmt	0	25,986	86,152	37,981	0	0	0	124,133
Planning	1,327	5,000	0	0	0	0	0	0
Total Project Costs	1,327	30,986	86,152	401,484	933,621	0	0	1,421,257

Oper & Maint Costs	0	0	0	0	0	0	0	0
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ESA Culvert Replacement

Area: All

Objective(s): Replacement

Project Description

Replace culverts based on Citywide ranking of culverts that block fish passage. Use bottomless arch culvert or bridge to make improvements. Using PDOT and BES money normally sent to ESA program for funding. Also apply for OWEB grants to leverage City funds.

Funding Sources

Interagencies Bureau Revenues	0	12,500	76,131	21,000	41,500	9,000	25,000	172,631
Fund Balance (Internal)	30,881	12,500	76,131	21,000	41,500	9,000	25,000	172,631
Total Funding Sources	30,881	25,000	152,262	42,000	83,000	18,000	50,000	345,262

Project Costs

Construction/Equipment	0	0	102,262	17,000	33,000	18,000	0	170,262
Design/Project Mgmt	30,881	25,000	50,000	25,000	50,000	0	50,000	175,000
Total Project Costs	30,881	25,000	152,262	42,000	83,000	18,000	50,000	345,262

Oper & Maint Costs	0	0	0	0	0	0	0	0
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CBD Cable Replacement, SW/NW

Area: CC

Objective(s): Replacement

Project Description

many of the twin traditional street lighting systems in the central city had direct burial/lead-jacketed power cables. These cables have corroded and cause erratic street light power and operation. This project will continue replacing this lead jacketed cable with new copper wire in conduits.

Funding Sources

General Fund	350,000	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
Total Funding Sources	350,000	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000

Project Costs

Planning	5,000	10,000	10,000	10,000	10,000	10,000	10,000	50,000
Design/Project Mgmt	20,000	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Construction/Equipment	325,000	365,000	365,000	365,000	365,000	365,000	365,000	1,825,000
Total Project Costs	350,000	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Transportation and Parking Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		

Safety & Congestion Management Program

MLK ITS Corridor, NE

Area: NE

Objective(s): Efficiency

Project Description

This project would construct the first phase of implementing the Intelligent Transportation System (ITS) infrastructure along NE and SE MLK Blvd and Grand Ave, from the CEID to Columbia Blvd. The project consists of installation of electronic message signs, CCTV cameras, traffic monitoring stations and fiber communication. These devices would be integrated with the city's central traffic signal computer system.

Funding Sources

TEA-21	0	0	50,000	0	0	0	0	50,000
General Transportation Revenue	0	50,000	0	0	0	0	0	0
Total Funding Sources	0	50,000	50,000	0	0	0	0	50,000

Project Costs

Planning	0	0	10,000	0	0	0	0	10,000
Construction/Equipment	0	0	20,000	0	0	0	0	20,000
Design/Project Mgmt	0	50,000	20,000	0	0	0	0	20,000
Total Project Costs	0	50,000	50,000	0	0	0	0	50,000

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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NE Sandy at 57th HEP, NE

Area: NE

Objective(s): Maintenance
Replacement
Efficiency

Project Description

Replace old, obsolete traffic signal and install pedestrian amenities.

Funding Sources

Fund Balance (Internal)	0	0	30,000	0	0	0	0	30,000
General Transportation Revenue	0	5,000	0	0	0	0	0	0
Total Funding Sources	0	5,000	30,000	0	0	0	0	30,000

Project Costs

Construction/Equipment	0	0	30,000	0	0	0	0	30,000
Planning	0	5,000	0	0	0	0	0	0
Total Project Costs	0	5,000	30,000	0	0	0	0	30,000

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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N Lombard at Portsmouth HEP, N

Area: N

Objective(s): Maintenance
Replacement
Efficiency

Project Description

Replace traffic signal and install curb extension to improve signal visibility and phasing. Proposed improvements will reduce crashes.

Funding Sources

General Transportation Revenue	8,239	0	0	25,493	0	0	0	25,493
Total Funding Sources	8,239	0	0	25,493	0	0	0	25,493

Project Costs

Planning	8,239	0	0	5,000	0	0	0	5,000
Construction/Equipment	0	0	0	20,493	0	0	0	20,493
Total Project Costs	8,239	0	0	25,493	0	0	0	25,493

Oper & Maint Costs

0	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Transportation and Parking
Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Bridge at Germantown HEP, NW								
								Area: NW
								Objective(s): Expansion Efficiency
Project Description								
Install new traffic signal to reduce crashes.								
Funding Sources								
General Transportation Revenue	0	0	0	27,550	0	0	0	27,550
Total Funding Sources	0	0	0	27,550	0	0	0	27,550
Project Costs								
Planning	0	0	0	6,550	0	0	0	6,550
Construction/Equipment	0	0	0	21,000	0	0	0	21,000
Total Project Costs	0	0	0	27,550	0	0	0	27,550
Oper & Maint Costs	0	0	0	0	0	0	0	0
NE Sandy Blvd (37-43) HEP, NE								
								Area: NE
								Objective(s): Maintenance Replacement Efficiency
Project Description								
Signing, striping, and signals modification to improve safety in Hollywood District. This project will be coordinated with the Sandy OTIA project.								
Funding Sources								
Fund Balance (Internal)	8,239	0	39,780	0	0	0	0	39,780
Total Funding Sources	8,239	0	39,780	0	0	0	0	39,780
Project Costs								
Construction/Equipment	8,239	0	39,780	0	0	0	0	39,780
Total Project Costs	8,239	0	39,780	0	0	0	0	39,780
Oper & Maint Costs	0	0	0	0	0	0	0	0
Citywide ITS, CW								
								Area: All
								Objective(s): Efficiency
Project Description								
This project will expand and enhance the central monitoring and control features of the City's ITS system. The project will also install arterial detection and monitoring systems.								
Funding Sources								
System Development Charges	8,239	0	0	291,936	0	0	0	291,936
Total Funding Sources	8,239	0	0	291,936	0	0	0	291,936
Project Costs								
Planning	8,239	0	0	41,936	0	0	0	41,936
Design/Project Mgmt	0	0	0	100,000	0	0	0	100,000
Construction/Equipment	0	0	0	150,000	0	0	0	150,000
Total Project Costs	8,239	0	0	291,936	0	0	0	291,936
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking
Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	

Future HEP Projects

Area: Undefined
Objective(s): Expansion
Efficiency

Project Description

City staff will continue to submit safety project grant applications to ODOT for the HEP program.

Funding Sources

General Transportation Revenue	0	0	0	0	75,000	75,000	75,000	225,000
Total Funding Sources	0	0	0	0	75,000	75,000	75,000	225,000

Project Costs

Planning	0	0	0	0	5,000	5,000	5,000	15,000
Construction/Equipment	0	0	0	0	70,000	70,000	70,000	210,000
Total Project Costs	0	0	0	0	75,000	75,000	75,000	225,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Powell & 82nd Signal HEP, SE

Area: All
Objective(s): Maintenance
Replacement
Efficiency

Project Description

Replace existing traffic signal at SE 82nd & Powell to improve safety. Better displays and detection will improve both intersection safety and efficiency.

Funding Sources

Oregon Department of Transportation	0	3,000	9,956	0	0	0	0	9,956
General Transportation Revenue	0	26,995	0	0	0	0	0	0
Total Funding Sources	0	29,995	9,956	0	0	0	0	9,956

Project Costs

Planning	0	1,995	0	0	0	0	0	0
Construction/Equipment	0	28,000	9,956	0	0	0	0	9,956
Total Project Costs	0	29,995	9,956	0	0	0	0	9,956
Oper & Maint Costs	0	0	0	0	0	0	0	0

Special Projects Program

S Waterfront: Bond Ave., SW

Area: All
Objective(s): Expansion

Project Description

Design and construct street improvements on Bond Ave between Lane St and Bancroft St.

Funding Sources

System Development Charges	0	0	239,644	0	0	0	0	239,644
PDC	0	539,000	0	0	0	0	0	0
Total Funding Sources	0	539,000	239,644	0	0	0	0	239,644

Project Costs

Design/Project Mgmt	0	246,000	0	0	0	0	0	0
Construction/Equipment	0	293,000	239,644	0	0	0	0	239,644
Total Project Costs	0	539,000	239,644	0	0	0	0	239,644
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking
Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

Tri-Met Streamline, CW

Area: SE

Objective(s): Efficiency

Project Description

Through the Streamline Program, TriMet and the City work to design and construct signal and civil improvements to increase transit efficiency and convenience for users. The focus of 2004-05 work is expected to be line no. 14, SE Foster. In addition to line improvements, the Streamline program provides for "hotspot" improvements as needed.

Funding Sources

Tri-Met	0	120,000	103,225	0	0	0	0	103,225
Total Funding Sources	0	120,000	103,225	0	0	0	0	103,225

Project Costs

Design/Project Mgmt	0	30,000	30,000	0	0	0	0	30,000
Construction/Equipment	0	90,000	73,225	0	0	0	0	73,225
Total Project Costs	0	120,000	103,225	0	0	0	0	103,225
Oper & Maint Costs	0	0	0	0	0	0	0	0

HOPE VI @ Columbia Villa

Area: N

Objective(s): Replacement

Project Description

Project construction will replace existing closed street system with one of greater connectivity to the larger neighborhood. Project includes replacement and upgrade of all existing utilities to support an 850 unit mixed income housing development.

Funding Sources

Housing Authority of Portland	0	241,336	101,040	153,092	0	0	0	254,132
Total Funding Sources	0	241,336	101,040	153,092	0	0	0	254,132

Project Costs

Construction/Equipment	0	94,250	101,040	153,092	0	0	0	254,132
Design/Project Mgmt	0	147,086	0	0	0	0	0	0
Total Project Costs	0	241,336	101,040	153,092	0	0	0	254,132
Oper & Maint Costs	0	0	0	0	0	0	0	0

Interstate MAX Light Rail, N

Area: N

Objective(s): Mandated

Project Description

The North Interstate MAX Project has constructed a light rail alignment from the east end of the Steel Bridge in the Lloyd District of the Central City following North Interstate Avenue through North Portland to the Kenton Business District and proceeding north on N Denver Ave and a new Denver viaduct to Expo Rd with a terminus at the Expo Center parking lot near N Marine Drive. City provides staff support for resolution of any outstanding traffic issues after revenue service begins in May, 2004.

Funding Sources

Tri-Met	2,277,979	191,359	19,064	0	0	0	0	19,064
Total Funding Sources	2,277,979	191,359	19,064	0	0	0	0	19,064

Project Costs

Design/Project Mgmt	123,568	0	0	0	0	0	0	0
Construction/Equipment	2,154,411	191,359	19,064	0	0	0	0	19,064
Total Project Costs	2,277,979	191,359	19,064	0	0	0	0	19,064
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking
Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

S Waterfront: Devel Coord, SW

Area: SW

Objective(s): Expansion

Project Description

Manage PDOT commitments, including Marquam Hill Aerial Tram, street improvements and Macadam Ave improvements for the South Waterfront District and coordinate efforts with PDC, City bureaus, and developer parties.

Funding Sources

PDC	172,919	10,758	197,434	428,995	168,550	176,978	185,827	1,157,784
Total Funding Sources	172,919	10,758	197,434	428,995	168,550	176,978	185,827	1,157,784

Project Costs

Design/Project Mgmt	172,919	10,758	197,434	428,995	168,550	176,978	185,827	1,157,784
Total Project Costs	172,919	10,758	197,434	428,995	168,550	176,978	185,827	1,157,784
Oper & Maint Costs	0	0	0	0	0	0	0	0

MTIP/OTIA Program Match Fund

Area: Undefined

Objective(s): Efficiency

Project Description

Provides matching funds for OTIA projects that may be awarded to the City through the regional funding process in fiscal years 08 and 09.

Funding Sources

General Transportation Revenue	0	0	12,347	257,842	189,492	417,113	417,113	1,293,907
Total Funding Sources	0	0	12,347	257,842	189,492	417,113	417,113	1,293,907

Project Costs

Construction/Equipment	0	0	12,347	257,842	189,492	417,113	417,113	1,293,907
Total Project Costs	0	0	12,347	257,842	189,492	417,113	417,113	1,293,907
Oper & Maint Costs	0	0	0	0	0	0	0	0

Streetcar: Riverplace Ext, SW

Area: SW

Objective(s): Expansion

Project Description

Phase III of the streetcar will extend from the current terminus at the Portland State University Urban Center across Harrison Street and Naito Parkway to Riverplace with a new terminus at the foot of the Marquam Bridge. This extension will stand on its own or be expanded into the North Macadam District if circumstances warrant. Project includes the Harrison Street Connector.

Funding Sources

Private Grants and Donations	0	0	2,800,000	0	0	0	0	2,800,000
Local Improvement District	0	0	3,000,000	0	0	0	0	3,000,000
PDC	0	0	25,000	0	0	0	0	25,000
General Transportation Revenue	25,000	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Total Funding Sources	25,000	25,000	5,850,000	25,000	25,000	25,000	25,000	5,950,000

Project Costs

Planning	25,000	0	0	25,000	25,000	25,000	25,000	100,000
Construction/Equipment	0	25,000	5,850,000	0	0	0	0	5,850,000
Total Project Costs	25,000	25,000	5,850,000	25,000	25,000	25,000	25,000	5,950,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking
Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan						5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		
Portland Streetcar - Eastside Extention									
								Area:	SE
								Objective(s):	Expansion
Project Description									
Activities during FY 2004-05 will include planning and financial feasibility studies for the alignment of the eastside extension.									
Funding Sources									
Federal Grant	0	0	200,000	0	0	0	0	200,000	
Total Funding Sources	0	0	200,000	0	0	0	0	200,000	
Project Costs									
Planning	0	0	200,000	0	0	0	0	200,000	
Total Project Costs	0	0	200,000	0	0	0	0	200,000	
Oper & Maint Costs	0	0	0	0	0	0	0	0	
New Parking Meters									
								Area:	Undefined
								Objective(s):	Efficiency
Project Description									
Purchase and install new parking technology for new parking meter districts.									
Funding Sources									
Other Financing (External)	0	3,702,500	1,420,000	710,000	710,000	0	0	2,840,000	
Total Funding Sources	0	3,702,500	1,420,000	710,000	710,000	0	0	2,840,000	
Project Costs									
Construction/Equipment	0	3,702,500	1,420,000	710,000	710,000	0	0	2,840,000	
Total Project Costs	0	3,702,500	1,420,000	710,000	710,000	0	0	2,840,000	
Oper & Maint Costs	0	0	0	0	0	0	0	0	
Portland Streetcar - Gibbs									
								Area:	SW
								Objective(s):	Expansion
Project Description									
The Gibbs Extension of the Streetcar is a part of the South Waterfront Central District Development Agreement, which calls for Streetcar service to be in place, under specific terms and conditions, by December 31, 2006.									
Funding Sources									
Local Improvement District	0	0	0	0	2,020,000	0	0	2,020,000	
Federal Grants	0	0	0	11,700,000	0	0	0	11,700,000	
PDC	0	0	2,000,000	1,330,000	0	0	0	3,330,000	
System Development Charges	0	284,853	0	0	0	0	0	0	
Total Funding Sources	0	284,853	2,000,000	13,030,000	2,020,000	0	0	17,050,000	
Project Costs									
Construction/Equipment	0	0	0	13,030,000	2,020,000	0	0	15,050,000	
Design/Project Mgmt	0	0	1,700,000	0	0	0	0	1,700,000	
Planning	0	284,853	300,000	0	0	0	0	300,000	
Total Project Costs	0	284,853	2,000,000	13,030,000	2,020,000	0	0	17,050,000	
Oper & Maint Costs	0	0	0	0	0	0	0	0	

Capital Improvement Plan — Transportation and Parking
Office of Transportation

PROJECT DETAIL

		Revised	Adopted	Capital Plan				
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year Total
OHSU: 6th & Sheridan St, SW								
								Area: SW
								Objective(s): Expansion Efficiency
Project Description								
Marquam Hill Plan requires OHSU to widen SW 6th Avenue between Sheridan and Broadway to reduce traffic congestion at Terwilliger and Sam Jackson. The Plan also requires implementation of the Terwilliger Parkway Boulevard Landscape Concept.								
Funding Sources								
Private Grants and Donations	0	136,304	710,390	0	0	0	0	710,390
Total Funding Sources	0	136,304	710,390	0	0	0	0	710,390
Project Costs								
Construction/Equipment	0	0	655,397	0	0	0	0	655,397
Design/Project Mgmt	0	136,304	54,993	0	0	0	0	54,993
Total Project Costs	0	136,304	710,390	0	0	0	0	710,390
Oper & Maint Costs	0	0	0	0	0	0	0	0
S Waterfront: Central Dist., SW								
								Area: SW
								Objective(s): Expansion
Project Description								
Design and construction reimbursement to developers for PDOT's share of the costs for the North/South street (Moody, Bond, & River Pkwy) within the Central District of South Waterfront.								
Funding Sources								
System Development Charges	0	0	2,750,000	420,000	1,973,261	0	0	5,143,261
PDC	0	1,750,000	598,304	280,000	160,000	160,000	160,000	1,358,304
Total Funding Sources	0	1,750,000	3,348,304	700,000	2,133,261	160,000	160,000	6,501,565
Project Costs								
Design/Project Mgmt	0	200,000	100,000	150,000	605,000	0	0	855,000
Construction/Equipment	0	1,550,000	3,248,304	550,000	1,528,261	160,000	160,000	5,646,565
Total Project Costs	0	1,750,000	3,348,304	700,000	2,133,261	160,000	160,000	6,501,565
Oper & Maint Costs	0	0	0	0	0	0	0	0
S Waterfront: Macadam Ave, SW								
								Area: SW
								Objective(s): Expansion
Project Description								
Design and construct street improvements on Macadam at Bancroft and Curry.								
Funding Sources								
Local Improvement District	0	110,000	49,612	1,648,000	0	0	0	1,697,612
Total Funding Sources	0	110,000	49,612	1,648,000	0	0	0	1,697,612
Project Costs								
Construction/Equipment	0	0	0	1,648,000	0	0	0	1,648,000
Design/Project Mgmt	0	110,000	49,612	0	0	0	0	49,612
Total Project Costs	0	110,000	49,612	1,648,000	0	0	0	1,697,612
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking
Office of Transportation

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		

S Waterfront: Tram, SW

Area: SW
Objective(s): Expansion

Project Description

Design and construct aerial tram connecting Marquam Hill with the South Waterfront District.

Funding Sources

Local Improvement District	0	0	10,550,608	350,000	0	0	0	10,900,608
System Development Charges	0	202,067	0	0	0	0	0	0
PDC	0	320,000	1,250,000	0	0	0	0	1,250,000
Private Grants and Donations	0	1,120,000	3,500,000	0	0	0	0	3,500,000
Total Funding Sources	0	1,642,067	15,300,608	350,000	0	0	0	15,650,608

Project Costs

Construction/Equipment	0	0	13,140,608	350,000	0	0	0	13,490,608
Design/Project Mgmt	0	1,642,067	2,160,000	0	0	0	0	2,160,000
Total Project Costs	0	1,642,067	15,300,608	350,000	0	0	0	15,650,608

Oper & Maint Costs	0	0	0	0	0	0	0	0
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I-205 LRT

Area: E
Objective(s): Mandated

Project Description

Facilitate through the City the design and construction of a new light rail transit system along the I-205 corridor from Gateway to Clackamas Town Center by TriMet. City jurisdictional limits end at approximately 92nd Ave intersection with Crystal Springs Blvd. Project will be in FE in 2004-05 and under construction in 05-06, 06-07, and 07-08 and the first quarter of 08-09. Revenue service slated for Fall 2008.

Funding Sources

Tri-Met	0	0	116,880	0	0	0	0	116,880
Total Funding Sources	0	0	116,880	0	0	0	0	116,880

Project Costs

Design/Project Mgmt	0	0	116,880	0	0	0	0	116,880
Total Project Costs	0	0	116,880	0	0	0	0	116,880

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Downtown Mall LRT

Area: CC
Objective(s): Mandated

Project Description

This project adds a light rail line to SW 5th and SW 6th from SW Glisan to Jackson, extending the transit mall to PSU. The project schedule is to perform final engineering in 04-05, with a construction start in the summer of 05. Construction will take place through 07-08, with revenue service targeted for Fall 08. PDOT staff will be providing technical assistance to TriMet on traffic, streetscape, access and other issues; assist with permitting and provide other support as needed during 04-05. This project, along with the I-205 LRT project, are jointly considered to be part of the "South" portion of the S-N LRT concept. Without the downtown mall LRT segment, the light rail system will not be able to expand due to limited capacity on the existing cross mall system.

Funding Sources

Tri-Met	349,486	0	1,217,735	0	0	0	0	1,217,735
Total Funding Sources	349,486	0	1,217,735	0	0	0	0	1,217,735

Project Costs

Design/Project Mgmt	349,486	0	1,217,735	0	0	0	0	1,217,735
Total Project Costs	349,486	0	1,217,735	0	0	0	0	1,217,735

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Office of Management and Finance: Transportation and Parking

CAPITAL OVERVIEW

The Office of Management and Finance (OMF) administers the Parking Facilities Fund within the Transportation and Parking service area.

Bureau Mission

Leadership, Management, Stewardship

Supporting the administrative and operational needs of the City to enhance quality service delivery to the public.

CIP Highlights

The Parking Facilities program includes the following projects in FY 2004-05:

- ◆ 10th & Yamhill: clean and seal exterior masonry, seal stairwells, and repair second-level ramp.
- ◆ 3rd & Alder: replace HVAC tower on top deck.
- ◆ 4th & Yamhill: seal stairwells.
- ◆ System-wide: restripe stall markings and upgrade restrooms to meet Americans with Disabilities Act requirements.

No projects specific to the 1st & Jefferson or Naito/Davis facilities are planned in FY 2004-05.

Total FY 2004-05 CIP budget is \$783,000, funded with parking garage revenue. The five-year CIP totals \$4.2 million.

	Revised	Adopted	Capital Plan					5-Year Total
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		

Parking Facilities

10th & Yamhill-Clean/Seal Exteri

Area: All

Objective(s): Maintenance

Project Description

This project, originally scheduled for FY 02-03, includes cleaning and applying a seal coat to the exterior masonry surfaces of the SW 10th & Yamhill parking garage. The project was delayed until FY 04-05.

Funding Sources

Other Financing (External)	0	0	174,000	0	0	0	0	174,000
Total Funding Sources	0	0	174,000	0	0	0	0	174,000

Project Costs

Design/Project Mgmt	0	0	28,000	0	0	0	0	28,000
Construction/Equipment	0	0	146,000	0	0	0	0	146,000
Total Project Costs	0	0	174,000	0	0	0	0	174,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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10th & Yamhill-repaint stl. deck

Area: All

Objective(s): Maintenance

Project Description

This project will repaint the top two steel deck floors at the SW 10th & Yamhill parking garage.

Funding Sources

Other Financing (External)	0	0	0	0	268,000	0	0	268,000
Total Funding Sources	0	0	0	0	268,000	0	0	268,000

Project Costs

Design/Project Mgmt	0	0	0	0	60,000	0	0	60,000
Construction/Equipment	0	0	0	0	208,000	0	0	208,000
Total Project Costs	0	0	0	0	268,000	0	0	268,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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10th & Yamhill-elevator upgrades

Area: All

Objective(s): Replacement
Mandated

Project Description

The four elevators at the SW 10 & Yamhill parking garage must be upgraded to meet State of Oregon elevator regulatory requirements.

Funding Sources

Other Financing (External)	0	0	0	752,000	0	0	0	752,000
Total Funding Sources	0	0	0	752,000	0	0	0	752,000

Project Costs

Design/Project Mgmt	0	0	0	173,000	0	0	0	173,000
Construction/Equipment	0	0	0	579,000	0	0	0	579,000
Total Project Costs	0	0	0	752,000	0	0	0	752,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Transportation and Parking Management and Finance

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

10th & Yamhill-Repair 2nd Level

Area: All

Objective(s): Maintenance
Replacement

Project Description

This project will repair the 2nd level ramp and 2nd level traffic bearing membrane in FY 2004-05 then replace it in FY 2007-08 at the 10th & Yamhill parking garage.

Funding Sources

Other Financing (External)	0	0	33,000	0	0	122,000	0	155,000
Total Funding Sources	0	0	33,000	0	0	122,000	0	155,000

Project Costs

Design/Project Mgmt	0	0	5,000	0	0	19,000	0	24,000
Construction/Equipment	0	0	28,000	0	0	103,000	0	131,000
Total Project Costs	0	0	33,000	0	0	122,000	0	155,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

10th & Yamhill-seal stairwells

Area: All

Objective(s): Maintenance

Project Description

Seal the stairwells in order to make cleaning easier and prevent odor build-up.

Funding Sources

Other Financing (External)	0	0	123,000	0	0	0	0	123,000
Total Funding Sources	0	0	123,000	0	0	0	0	123,000

Project Costs

Design/Project Mgmt	0	0	19,000	0	0	0	0	19,000
Construction/Equipment	0	0	104,000	0	0	0	0	104,000
Total Project Costs	0	0	123,000	0	0	0	0	123,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

1st & Jefferson-clean exter. mas

Area: All

Objective(s): Maintenance

Project Description

This project will include cleaning the exterior of the parking garage and applying a sealer coat to the masonry surfaces.

Funding Sources

Other Financing (External)	0	0	0	0	272,000	0	0	272,000
Total Funding Sources	0	0	0	0	272,000	0	0	272,000

Project Costs

Design/Project Mgmt	0	0	0	0	43,000	0	0	43,000
Construction/Equipment	0	0	0	0	229,000	0	0	229,000
Total Project Costs	0	0	0	0	272,000	0	0	272,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking Management and Finance

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

1st & Jeff - repair top membrane

Area: All

Objective(s): Maintenance

Project Description

This project will repair traffic bearing membrane at the top level of the parking garage.

Funding Sources

Other Financing (External)	0	0	0	0	0	24,000	0	24,000
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Total Funding Sources	0	0	0	0	0	24,000	0	24,000
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Project Costs

Design/Project Mgmt	0	0	0	0	0	4,000	0	4,000
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Construction/Equipment	0	0	0	0	0	20,000	0	20,000
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Total Project Costs	0	0	0	0	0	24,000	0	24,000
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Oper & Maint Costs	0	0	0	0	0	0	0	0
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1st & Jeff - repair 3 & 4 memb.

Area: All

Objective(s): Maintenance

Project Description

This project will repair the traffic bearing membrane on the 3rd & 4th levels of the parking garage.

Funding Sources

Other Financing (External)	0	0	0	0	0	0	143,000	143,000
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Total Funding Sources	0	0	0	0	0	0	143,000	143,000
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Project Costs

Design/Project Mgmt	0	0	0	0	0	0	22,000	22,000
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Construction/Equipment	0	0	0	0	0	0	121,000	121,000
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Total Project Costs	0	0	0	0	0	0	143,000	143,000
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Oper & Maint Costs	0	0	0	0	0	0	0	0
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3rd & Alder - clean exter. mason

Area: All

Objective(s): Maintenance

Project Description

This project will consist of cleaning and sealing the exterior masonry surfaces of the parking garage.

Funding Sources

Other Financing (External)	0	0	0	0	187,000	0	0	187,000
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Total Funding Sources	0	0	0	0	187,000	0	0	187,000
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Project Costs

Design/Project Mgmt	0	0	0	0	30,000	0	0	30,000
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Construction/Equipment	0	0	0	0	157,000	0	0	157,000
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Total Project Costs	0	0	0	0	187,000	0	0	187,000
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Oper & Maint Costs	0	0	0	0	0	0	0	0
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Capital Improvement Plan — Transportation and Parking Management and Finance

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	Total

3rd & Alder - replace HVAC

Area: All

Objective(s): Maintenance
Replacement

Project Description

This project replaces the existing HVAC cooling tower on the top deck of the parking garage. The existing cooling tower is old and inefficient. It is starting to fail.

Funding Sources

Other Financing (External)	0	0	233,000	0	0	0	0	233,000
Total Funding Sources	0	0	233,000	0	0	0	0	233,000

Project Costs

Design/Project Mgmt	0	0	52,000	0	0	0	0	52,000
Construction/Equipment	0	0	181,000	0	0	0	0	181,000
Total Project Costs	0	0	233,000	0	0	0	0	233,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

3rd & Alder repl top level surfa

Area: All

Objective(s): Maintenance
Replacement

Project Description

This project, which was started in FY 03-04 and then delayed, will be completed in FY 05-06. It involves replacing the traffic bearing membrane on the top level of the 3rd & Alder Garage.

Funding Sources

Other Financing (External)	0	0	0	160,000	0	0	0	160,000
Total Funding Sources	0	0	0	160,000	0	0	0	160,000

Project Costs

Design/Project Mgmt	0	0	0	27,000	0	0	0	27,000
Construction/Equipment	0	0	0	133,000	0	0	0	133,000
Total Project Costs	0	0	0	160,000	0	0	0	160,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

3rd & Alder-repair/repl 2nd deck

Area: All

Objective(s): Maintenance

Project Description

This project repairs the traffic bearing membrane at the 2nd level of the 3rd & Alder Garage in FY 2006-07.

Funding Sources

Other Financing (External)	0	0	0	0	35,000	0	0	35,000
Total Funding Sources	0	0	0	0	35,000	0	0	35,000

Project Costs

Design/Project Mgmt	0	0	0	0	5,000	0	0	5,000
Construction/Equipment	0	0	0	0	30,000	0	0	30,000
Total Project Costs	0	0	0	0	35,000	0	0	35,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking Management and Finance

PROJECT DETAIL

	Revised	Adopted	Capital Plan						5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		
4th & Yamhill - clean exterior									
								Area:	All
								Objective(s):	Maintenance
Project Description									
This project will include cleaning and sealing the exterior masonry surfaces at the parking garage.									
Funding Sources									
Other Financing (External)	0	0	0	0	0	288,000	0		288,000
Total Funding Sources	0	0	0	0	0	288,000	0		288,000
Project Costs									
Design/Project Mgmt	0	0	0	0	0	45,000	0		45,000
Construction/Equipment	0	0	0	0	0	243,000	0		243,000
Total Project Costs	0	0	0	0	0	288,000	0		288,000
Oper & Maint Costs	0	0	0	0	0	0	0		0
4th & Yamhill-rep top membrane									
								Area:	All
								Objective(s):	Maintenance
Project Description									
This project will repair/replace the traffic bearing membrane at the top level of the garage in FY 2006-07.									
Funding Sources									
Other Financing (External)	0	0	0	0	139,000	0	0		139,000
Total Funding Sources	0	0	0	0	139,000	0	0		139,000
Project Costs									
Design/Project Mgmt	0	0	0	0	23,000	0	0		23,000
Construction/Equipment	0	0	0	0	116,000	0	0		116,000
Total Project Costs	0	0	0	0	139,000	0	0		139,000
Oper & Maint Costs	0	0	0	0	0	0	0		0
4th & Yamhill - seal stairways									
								Area:	All
								Objective(a):	Maintenance
Project Description									
This project includes removing dirt accumulated at the stairwells of the garage and coating the surface with a sealer.									
Funding Sources									
Other Financing (External)	0	0	57,000	0	0	0	0		57,000
Total Funding Sources	0	0	57,000	0	0	0	0		57,000
Project Costs									
Design/Project Mgmt	0	0	9,000	0	0	0	0		9,000
Construction/Equipment	0	0	48,000	0	0	0	0		48,000
Total Project Costs	0	0	57,000	0	0	0	0		57,000
Oper & Maint Costs	0	0	0	0	0	0	0		0
Naito/Davis - clean exterior									
								Area:	All
								Objective(a):	Maintenance
Project Description									
This project includes cleaning and sealing the exterior masonry surfaces at the parking garage.									
Funding Sources									
Other Financing (External)	0	0	0	0	0	0	138,000		138,000
Total Funding Sources	0	0	0	0	0	0	138,000		138,000
Project Costs									
Design/Project Mgmt	0	0	0	0	0	0	22,000		22,000
Construction/Equipment	0	0	0	0	0	0	116,000		116,000
Total Project Costs	0	0	0	0	0	0	138,000		138,000
Oper & Maint Costs	0	0	0	0	0	0	0		0

Capital Improvement Plan — Transportation and Parking Management and Finance

PROJECT DETAIL

	Revised	Adopted	Capital Plan						5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		
Naito/Davis - paint stairs/lobby									
								Area:	All
								Objective(s):	Maintenance
Project Description									
This project includes the refurbishing the lobbies and stairwells by repairing and repainting the interior surfaces.									
Funding Sources									
Other Financing (External)	0	0	0	0	0	177,000	0		177,000
Total Funding Sources	0	0	0	0	0	177,000	0		177,000
Project Costs									
Design/Project Mgmt	0	0	0	0	0	30,000	0		30,000
Construction/Equipment	0	0	0	0	0	147,000	0		147,000
Total Project Costs	0	0	0	0	0	177,000	0		177,000
Oper & Maint Costs	0	0	0	0	0	0	0		0
System wide - new signage									
								Area:	All
								Objective(s):	Efficiency
Project Description									
This project will determine what new signage aids are needed, develop a program and design, and establish an implementation plan.									
Funding Sources									
Other Financing (External)	0	0	0	0	0	0	77,000		77,000
Total Funding Sources	0	0	0	0	0	0	77,000		77,000
Project Costs									
Design/Project Mgmt	0	0	0	0	0	0	17,000		17,000
Construction/Equipment	0	0	0	0	0	0	60,000		60,000
Total Project Costs	0	0	0	0	0	0	77,000		77,000
Oper & Maint Costs	0	0	0	0	0	0	0		0
System wide-upgrade lighting									
								Area:	All
								Objective(s):	Maintenance Replacement Efficiency
Project Description									
Upgrade lighting at the parking garages to be more energy efficient, provide whiter, brighter lighting. Project totaling \$2,203,000 would begin in FY 08-09 with planning phase. The construction would occur throughout the following three years.									
Funding Sources									
Other Financing (External)	0	0	0	0	0	0	275,000		275,000
Total Funding Sources	0	0	0	0	0	0	275,000		275,000
Project Costs									
Design/Project Mgmt	0	0	0	0	0	0	275,000		275,000
Total Project Costs	0	0	0	0	0	0	275,000		275,000
Oper & Maint Costs	0	0	0	0	0	0	0		0

Capital Improvement Plan — Transportation and Parking Management and Finance

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
System wide-install CCTV								
								Area: All
								Objective(s): Expansion Efficiency
Project Description								
This project, totaling \$493,000, would span FY 2008-09 through 2009-10, with an estimated half of the total spent each year. The project includes the installation of CCTV cameras in the five SmartPark parking garages. Monitoring would happen at the BGS Facilities Dispatch Center.								
Funding Sources								
Other Financing (External)	0	0	0	0	0	0	264,500	264,500
Total Funding Sources	0	0	0	0	0	0	264,500	264,500
Project Costs								
Design/Project Mgmt	0	0	0	0	0	0	119,000	119,000
Construction/Equipment	0	0	0	0	0	0	145,500	145,500
Total Project Costs	0	0	0	0	0	0	264,500	264,500
Oper & Maint Costs	0	0	0	0	0	0	0	0
System wide-replace awnings								
								Area: All
								Objective(s): Maintenance Replacement
Project Description								
This project replaces the existing fabric awnings that would be at the end of their useful life at all of the SmartPark garages.								
Funding Sources								
Other Financing (External)	0	0	0	0	0	109,000	0	109,000
Total Funding Sources	0	0	0	0	0	109,000	0	109,000
Project Costs								
Design/Project Mgmt	0	0	0	0	0	25,000	0	25,000
Construction/Equipment	0	0	0	0	0	84,000	0	84,000
Total Project Costs	0	0	0	0	0	109,000	0	109,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
System wide-restripe stalls								
								Area: All
								Objective(s): Maintenance
Project Description								
This project would clean all the oil drippings at parking spaces and restripe the stall markings.								
Funding Sources								
Other Financing (External)	0	0	85,000	0	0	0	0	85,000
Total Funding Sources	0	0	85,000	0	0	0	0	85,000
Project Costs								
Design/Project Mgmt	0	0	13,000	0	0	0	0	13,000
Construction/Equipment	0	0	72,000	0	0	0	0	72,000
Total Project Costs	0	0	85,000	0	0	0	0	85,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Transportation and Parking Management and Finance

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	Total

System wide-restroom upgrades

Area: All

Objective(s): Maintenance
Mandated

Project Description

This project would bring all parking garage restrooms up to meet current Americans with Disabilities Act code requirements, and also upgrade interior finishes.

Funding Sources

Other Financing (External)

0	0	78,000	0	0	0	0	78,000
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Total Funding Sources

0	0	78,000	0	0	0	0	78,000
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Project Costs

Design/Project Mgmt

0	0	18,000	0	0	0	0	18,000
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Construction/Equipment

0	0	60,000	0	0	0	0	60,000
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Total Project Costs

0	0	78,000	0	0	0	0	78,000
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Oper & Maint Costs

0	0	0	0	0	0	0	0
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Legislative, Administrative, and Support Services

Overview and Financial Tables

SERVICE AREA OVERVIEW

The Office of Management and Finance (OMF) administers all capital projects within the Legislative, Administrative, and Support Services service area. In addition, OMF administers some capital projects within the Public Safety, Community Development, and Parks and Recreation service areas. OMF-related capital projects outside of the Legislative, Administrative, and Support Services service area are covered in more detail in their respective sections within this document.

In FY 2004-05, a total of \$14,642,168 is allocated to Legislative, Administrative, and Support Services capital improvement projects, which represents less than 1% of the City's total capital budget.

OMF - Facilities Services Division

The Facilities Services division of the Office of Management and Finance is responsible for capital projects related to City-owned buildings, including the Portland Building, the 1900 Building, and City Hall. Projects related to these three building account for 86% of all planned expenditures in the Legislative, Administrative, and Support Services service area five-year CIP budget. Funding for these projects originates from rental rates paid to the major maintenance fund within the Facilities Service division, except in the case of City Hall, which receives a specific General Fund allocation for ongoing maintenance.

OMF - Vehicle Services Division

The five-year CIP plan includes \$678,000 in projects for the Vehicle Services division of OMF. In FY 2002-03, Facilities Services began charging Vehicle Services rental rates for the Kerby Garage and the Powell Garage. These rental rates include a major maintenance component, which funds projects for the Kerby and Powell Garages in this CIP's Vehicle Services program.

OMF - Chief Administrative Officer

The Chief Administrative Officer (CAO) program is a new program in the OMF CIP. Projects under this program include replacing the City's Integrated Business Information System (IBIS) with an Enterprise Resource Planning (ERP) system. The CAO program area also includes an Information Security Improvement project.

Capital Improvement Plan — Legislative, Administrative & Support

SOURCES AND USES

This table summarizes the funding and costs by capital program for bureaus within this service area.

Bureau		Revised	Adopted	Capital Plan				
Capital Program	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	5-Year
Management and Finance								
1900 Building								
Funding Sources								
Rents	0	2,000	128,250	157,250	259,917	449,917	718,666	1,714,000
Service Reimbursements	0	0	0	2,709,000	0	0	0	2,709,000
Total Funding Sources	0	2,000	128,250	2,866,250	259,917	449,917	718,666	4,423,000
Project Costs								
Construction/Equipment	0	2,000	96,250	2,115,250	195,250	195,250	458,000	3,060,000
Design/Project Mgmt	0	0	32,000	751,000	64,667	111,667	177,666	1,137,000
Planning	0	0	0	0	0	143,000	83,000	226,000
Total Project Costs	0	2,000	128,250	2,866,250	259,917	449,917	718,666	4,423,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Chief Administrative Officer								
Funding Sources								
Service Reimbursements	0	0	500,000	143,000	273,000	198,000	253,000	1,367,000
Total Funding Sources	0	0	500,000	143,000	273,000	198,000	253,000	1,367,000
Project Costs								
Construction/Equipment	0	0	0	143,000	273,000	198,000	253,000	867,000
Design/Project Mgmt	0	0	500,000	0	0	0	0	500,000
Total Project Costs	0	0	500,000	9,143,000	273,000	198,000	253,000	1,367,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
City Hall								
Funding Sources								
Cash Transfers	0	0	445,000	301,250	255,250	815,584	486,584	2,303,668
Total Funding Sources	0	0	445,000	301,250	255,250	815,584	486,584	2,303,668
Project Costs								
Construction/Equipment	0	0	334,000	225,750	191,750	612,750	365,750	1,730,000
Design/Project Mgmt	0	0	111,000	75,500	63,500	202,834	120,834	573,668
Total Project Costs	0	0	445,000	301,250	255,250	815,584	486,584	2,303,668
Oper & Maint Costs	0	0	0	0	0	0	0	0
Portland Building								
Funding Sources								
Rents	0	383,333	1,197,000	483,500	256,500	1,514,000	2,419,500	5,870,500
Total Funding Sources	0	383,333	1,197,000	483,500	256,500	1,514,000	2,419,500	5,870,500
Project Costs								
Construction/Equipment	0	305,250	891,000	363,125	128,875	1,076,000	1,753,500	4,212,500
Design/Project Mgmt	0	78,083	295,000	120,375	127,625	256,625	582,625	1,382,250
Planning	0	0	11,000	0	0	83,375	83,375	177,750
Site Acquisition	0	0	0	0	0	98,000	0	98,000
Total Project Costs	0	383,333	1,197,000	483,500	256,500	1,514,000	2,419,500	5,870,500
Oper & Maint Costs	0	0	0	0	0	0	0	0
Vehicle Services								
Funding Sources								
Rents	0	0	196,000	188,000	227,000	67,000	0	678,000
Total Funding Sources	0	0	196,000	188,000	227,000	67,000	0	678,000
Project Costs								
Construction/Equipment	0	0	147,000	141,000	171,000	50,000	0	509,000
Design/Project Mgmt	0	0	49,000	47,000	56,000	17,000	0	169,000
Total Project Costs	0	0	196,000	188,000	227,000	67,000	0	678,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Capital Improvement Plan — Legislative, Administrative & Support

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area for bureaus within this service area.

Bureau	Revised	Adopted	Capital Plan						5-Year
Geographic Area	Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	Total	
Legislative, Administrative, and Support Services									
Management and Finance									
All Areas	0	0	500,000	143,000	273,000	198,000	253,000	1,367,000	
Central City	0	385,333	1,770,250	3,651,000	771,667	2,779,501	3,624,750	12,597,168	
Northeast	0	0	30,000	188,000	0	28,000	0	246,000	
Southeast	0	0	166,000	0	227,000	39,000	0	432,000	
Total Management and Finance	0	385,333	2,466,250	3,982,000	1,271,667	3,044,501	3,877,750	14,642,168	
Total Legislative, Administrative, and Support Services	\$ 0	\$ 385,333	\$ 2,466,250	\$ 3,982,000	\$ 1,271,667	\$ 3,044,501	\$ 3,877,750	\$ 14,642,168	

Capital Improvement Plan — Legislative, Administrative & Support

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau	Revised		Adopted	Capital Plan				5-Year
Capital Program								Total
Project	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Management and Finance								
1900 Building								
Improve Signage/Wayfinding	0	2,000	0	77,000	0	0	0	77,000
Paint Interior	0	0	80,250	80,250	80,250	80,250	0	321,000
Provide Bike Parking	0	0	48,000	0	0	0	0	48,000
Replace Carpet Building-Wide	0	0	0	0	179,667	179,667	179,666	539,000
Replace/Rebuild Chillers	0	0	0	0	0	0	429,000	429,000
Replace/Rebuild Cooling Towers	0	0	0	0	0	0	110,000	110,000
Replace/Rebuild Emergency Generators	0	0	0	0	0	190,000	0	190,000
Restack Building	0	0	0	2,709,000	0	0	0	2,709,000
Total 1900 Building	0	2,000	128,250	2,866,250	259,917	449,917	718,666	4,423,000
Chief Administrative Officer								
Enterprise Resource Planning System	0	0	500,000	0	0	0	0	500,000
Information Security Improvement	0	0	0	143,000	273,000	198,000	253,000	867,000
Total Chief Administrative Officer	0	0	500,000	143,000	273,000	198,000	253,000	1,367,000
City Hall								
Clean Exterior Sandstone/Paint Windows	0	0	197,000	0	0	0	0	197,000
Emergency PA and Panic System	0	0	83,000	0	0	0	0	83,000
Install Electronic Access Controls	0	0	0	0	0	329,000	0	329,000
Paint Interior	0	0	0	90,250	90,250	90,250	90,250	361,000
Replace Carpet Building-Wide	0	0	165,000	165,000	165,000	0	0	495,000
Replace HVAC Heat Pump	0	0	0	0	0	396,334	396,334	792,668
Replace Marble Stair Treads	0	0	0	46,000	0	0	0	46,000
Total City Hall	0	0	445,000	301,250	255,250	815,584	486,584	2,303,668
Portland Building								
Expand Access Control	0	0	0	97,000	0	0	0	97,000
Implement Rapid HVAC Shutdown/Sealing	0	0	0	0	0	0	157,000	157,000
Install Addressable Smoke/Fire Sensors	0	0	0	0	127,000	127,000	127,000	381,000
Install Exterior Pedestrian Amenities	0	0	0	0	0	0	318,000	318,000
Paint Exterior	0	0	0	0	0	396,000	0	396,000
Paint Interior	0	32,333	0	129,500	129,500	129,500	129,500	518,000
Refurbish Restrooms	0	351,000	168,000	0	0	0	0	168,000
Replace Main Roll-up Garage Door	0	0	135,000	0	0	0	0	135,000
Replace Main Roof	0	0	883,000	0	0	0	0	883,000
Replace Window Blinds	0	0	0	0	0	132,000	0	132,000
Replace Windows	0	0	0	0	0	333,500	333,500	667,000
Replace/Upgrade Chiller	0	0	0	174,000	0	0	0	174,000
Study/Upgrade Access Control System	0	0	11,000	83,000	0	0	0	94,000
Upgrade Elevator Controls	0	0	0	0	0	0	1,354,500	1,354,500
Upgrade HVAC VAV Boxes	0	0	0	0	0	396,000	0	396,000
Total Portland Building	0	383,333	1,197,000	483,500	256,500	1,514,000	2,419,500	5,870,500
Vehicle Services								
Powell Garage ADA Improvements	0	0	0	0	0	39,000	0	39,000
Kerby Garage ADA Improvements	0	0	0	0	0	28,000	0	28,000
Replace Powell Garage Windows	0	0	0	0	130,000	0	0	130,000
Kerby Gar Admin Area Floor Finish	0	0	30,000	0	0	0	0	30,000
Replace Powell Garage Carport Roof	0	0	93,000	0	0	0	0	93,000
Kerby Gar Curb, Driveway & Sidewalk	0	0	0	68,000	0	0	0	68,000
Seal Coat Powell Garage Main Roof	0	0	73,000	0	0	0	0	73,000
Seal Kerby Garage Exterior	0	0	0	120,000	0	0	0	120,000
Waterproof Powell Garage Exterior	0	0	0	0	97,000	0	0	97,000
Total Vehicle Services	0	0	196,000	188,000	227,000	67,000	0	678,000

Capital Improvement Plan — Legislative, Administrative & Support

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program		Revised	Adopted	Capital Plan					5-Year Total
Project	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		
Total Mangement and Finance	0	385,333	2,466,250	3,982,000	1,271,667	3,044,501	3,877,750		14,642,168
Total Legislative, Administrative, & Support Services	0	\$ 385,333	\$ 2,466,250	\$ 3,982,000	\$ 1,271,667	\$ 3,044,501	\$ 3,877,750		\$ 14,642,168

Office of Management and Finance: Legislative, Administrative, and Support Services

CAPITAL OVERVIEW

Bureau Mission

Leadership, Management, Stewardship:

Supporting the administrative and operational needs of the City to enhance quality service delivery to the public.

CIP Highlights

Aging Infrastructure

One of Council's strategic issues is to address the condition of the City's aging infrastructure. All City assets are aging, including civic assets in OMF's Communications Services (ComNet), Information Technology, and Facilities Services funds. However, funding for replacement or major maintenance is either nonexistent or below industry standards. To counter this OMF seeks to take proactive measures, funding large projects to keep aging assets from deteriorating.

Rates for ComNet and Facilities Services and most facilities includes major maintenance charges.

Industry standards are 5% of replacement value for communications infrastructure. Due to rate budget reductions over the last two fiscal years, Facilities Services has had to reduce the major maintenance component of its rates. Facilities Services rental rates now collect 1.72% of building replacement value each year for major maintenance; this is down from 2.2%. The OMF CIP includes the following actions to address major maintenance needs:

1. Council approved a \$90,000/ year decision package to fund a major maintenance component in the Portland Communications Center rental rate charged to tenants. In previous years, the rate had a small major maintenance component but this was gradually reduced as operating costs increased. This action raises annual collections to 1% of replacement value.
2. The Council approved \$250,000 from the General Fund Capital Set-Aside to provide for ComNet 800 MHz major maintenance.

Major Issues

Major Maintenance

The level of major maintenance projects included in this capital plan is tied to the rental revenue received from tenants as the standard for major maintenance collections each year is 2-4% of building replacement value. As discussed in OMF's five-year financial plan, limitations on rental rate increases due to City budget constraints have restricted major annual collections to 1.72%. This will have an impact on the City's ability to do projects.

Budget and rate cuts reduced major maintenance collections

Over the last three years, major maintenance has been reduced by a total of \$711,000. This will have a significant future impact as newer buildings, which currently have few maintenance needs, age and require considerable work. At that point, the fund will find it difficult to meet all of its major maintenance needs.

Parking Facilities fund revenues do not keep up with maintenance needs at City garages

Parking garage revenue provides the funding for projects to maintain and improve the City's Smart Park parking garage system facilities. Maintenance projects are intended to keep the facilities up to date, consistent with the policy to set aside a percentage of replacement value for major maintenance. However, projections of the parking facilities fund's finances over the next five years show the fund balance being drawn down if current expense levels are maintained and if no short-term rate increases are implemented. This reduction is due to:

1. An increase in large fixed costs, primarily the Portland Streetcar debt, which began in FY 1999.
2. Growing maintenance needs for the aging garages.
3. Lower revenue due to decreasing parking demand in the face of an increased parking supply, in combination with significant vacant commercial space.

As a result, beginning in FY 2004-05, the fund will implement a number of operating budget reductions to avoid a reduction in fund balance and to maintain an adequate level of major maintenance projects.

Changes from Last Year

This OMF CIP is a completely different plan from last year's, in that all of the projects have been reevaluated and prioritized, and new projects have been added based on current City business. The following is a list of the major changes since last year's plan:

- ◆ The Chief Administrative Officer program is new to the OMF CIP. It has been created for the purpose of replacing the City's Integrated Business Information System with an Enterprise Resource Planning system. This project would be sponsored by the OMF bureaus of Financial Services, Human Resources, and Technology Services.
- ◆ In the past, Facilities Services has proposed packages that would increase funding of major maintenance for General Fund facilities via additional money from the General Fund. Since additional General Fund monies are not available, the Facilities Services Fund has developed a new proposal. This proposal recommends that in FY 2006, when the Justice Center debt service has lapsed, the money previously in Police Bureau rates be redistributed to Police and Fire & Rescue facilities as well as to the Records Center. This can be done via interagency agreements with Facilities Services so that all of these facilities are at the same level of annual major maintenance funding. The \$1.4 million in lapsed debt service would fund these facilities at 2% of replacement value.
- ◆ The ComNet program contains no unfunded projects beyond those that would be funded in the Public Safety Radio Enhancement Project (PREP).

STRATEGIC DIRECTION

The CIP supports the following City Council goals and objectives:

- ◆ City of Portland buildings in the downtown area, including City Hall, the new 1900 Building, and the Portland Building, help keep downtown vital.
- ◆ A well-maintained system of short-term parking structures located downtown is a vital piece of the City's downtown retail and visitor strategy.
- ◆ Union Station and the Smart Park Garages contribute to the City's commitment to having a rational and functional multimodal transportation system.
- ◆ Infrastructure maintenance is vital to the City's long-term fiscal health, stability, and its ability to deliver services.

City Comprehensive Plan

This CIP evolves from and supports the City's overall land use and facility plans. Within the Leg Admin service area one program area is particularly sensitive to comprehensive community planning:

- ◆ Downtown Buildings: The Portland Building, City Hall, the Justice Center, and the 1900 Building were all sited based on identified preferences in the downtown plan, particularly for the three located in the designated "government center" within downtown. The 1900 Building was sited and operates as part of the University Center Plan, supporting the south end of downtown and sharing the area with Portland State University (PSU).

Capital Planning and Budgeting

This CIP is developed with input from internal and external customers, as well as staff who maintain the infrastructure, and it is influenced by City Council-established goals, objectives, and policies.

OMF works closely with its customers to understand their businesses and how their facilities support and serve their work objectives. OMF Facilities Services Division staff members are in most buildings daily, conducting preventative maintenance and minor repairs. Therefore, they are well prepared to develop a capital program that responds to major maintenance needs and program adjustments. A number of consultants were also contacted for additional information and estimates.

The CIP process is an integral component of the five-year maintenance plans for the Portland Building, City Hall, Union Station, and all Police Bureau precinct buildings and Smart Park parking garages. These plans were developed by a team of maintenance specialists and project managers from the Facilities Services Division of OMF.

CIP projects for new or relocated facilities, including those for the Fire & Rescue and Police bureaus, are the result of considerable planning and collaboration with bureaus and citizens and of Council decisions and directives. They appear here as a result of team efforts to keep City facilities useful and adaptive to the changing requirements of this local government.

Financial Forecast Overview

This plan includes projects funded from a variety of sources. Projects that maintain or upgrade the Portland Building, Police Bureau facilities, City Hall, and other City buildings are based on five-year maintenance plans and funded from the major maintenance component of the basic annual rental rates charged to the tenants of these facilities.

These major maintenance projects include those that maintain and improve facilities in order to meet tenant needs and expectations. Regular maintenance projects include, for example, annual painting and carpet replacement, along with less-frequent roof replacement and exterior maintenance.

Projects for Portland Fire & Rescue are funded from debt authorized by Ballot Measure 26-72 in the fall of 1998.

General Fund Capital Set-Aside money continues to be the funding source for increasing the level of major maintenance funding for the public safety radio system beyond what is covered in the rates.

Large capital construction projects for the Police Bureau's facilities needs are unfunded at this point and have been included in the plan's later years.

Interagency service agreements with City bureaus and outside organizations are the final funding source for projects in the OMF CIP. These projects are for services such as office remodels, which are not covered under rental rates and for services at facilities where the Facilities Services Fund does not collect major maintenance. Increases to interagency agreement rental rates are also the proposed funding source for increasing the level of major maintenance for facilities not fully supporting General Fund operations.

Asset Management and Replacement Plans

The City needs a comprehensive approach to funding major maintenance of large physical assets, including facilities and communications systems. This plan includes projects to increase the level of major maintenance projects. Major maintenance of facilities, communications systems, and other physical assets is important to keeping the assets in good condition and controlling operations and maintenance costs. Only some of the facilities in OMF have major maintenance programs with dedicated annual appropriations, and these programs have been reduced in recent years to provide rate relief to customers. None of these programs is at the fund's target of 3% of replacement value.

Police Bureau facilities and City Hall are relatively new, and the major maintenance accounts are growing slowly, so problems from being below industry standards for major maintenance will not show up until much later. However, based on the fund's experience with the Portland Building, they will occur at a future time.

Maintenance of the 800MHz radio system is an ongoing need in the ComNet program.

In the ComNet program, funds must be appropriated for major maintenance of the 800 MHz Public Safety Radio system. Major maintenance projects include maintenance of radio towers and cabling to OSHA standards, maintenance of radio site buildings, periodic maintenance of software and hardware installed in the backbone and replacement of worn or broken parts.

In addition, funds must be appropriated for system enhancements, which would introduce greater coverage, greater capacity, and greater performance or features that were not originally funded in the system design. For example, there is a current need to complete the system upgrade from 22 channels to 28 channels in order to accommodate increased traffic from each unit, the need to add IP traffic to the mobile data system, and the need to replace channel banks that are no longer supported by vendors.

The General Fund Capital Set-Aside needs to be reauthorized by the City Council each year. The intent of the Capital Review Committee was to ramp up the allocation to the Public Radio Enhancement Project each year, in an attempt to achieve the major maintenance target of \$900,000 per year. However, this has not been achieved given the ongoing economic climate and other pressing demands on the General Fund Capital Set-Aside. In each of the past two years, the Set-Aside provided approximately \$250,000 for PREP projects.

Because expenditure requirements will fluctuate over time between maintenance and enhancement projects, OMF recommends that the investment for both major maintenance and system enhancements be 5% of system value, or \$900,000 annually. This will allow large maintenance projects to take place in years when they are needed and expenditures for enhancements in years when maintenance requirements are smaller. ComNet rates can cover an annual funding of \$327,000 for the PREP. The General Fund Capital Set-Aside money continues to be the funding source for the balance of the PREP.

CAPITAL PROGRAMS AND PROJECTS

City Hall

The Facilities Services Division of OMF is charged with operating and maintaining City Hall. Staff has developed a City Hall major maintenance program to ensure this facility's continued functionality.

The major maintenance program looks at each component of City Hall's operations, physical plant, and occupants' needs. It outlines upgrades and replacements according to a prudent, yet proactive schedule. Each project outlined in this CIP is aimed at obtaining the useable life from a building component, while keeping City Hall a vital and public space of which citizens can be proud.

An annual cash transfer from the General Fund to the Facilities Services Fund provides funding for City Hall major maintenance projects. This cash transfer is not tied to specific projects each year; it is ongoing, stable funding for current and future major maintenance at City Hall.

The Portland Building

The projects for the Portland Building consist of maintenance, adaptations, and repairs, which protect the City's investment in this asset and meet changing conditions, standards, and needs. The projects listed are only those that can be funded through rental rates charged to the tenants or from major maintenance reserves.

Re-roofing, painting interiors, renovating restrooms, and replacing carpeting are all ongoing maintenance projects that effectively protect and maintain the asset at its maximum value. The maintenance program for the Portland Building is designed to distribute and minimize costs over time.

In addition to ongoing maintenance needs, the Portland Building needs to adapt to changes in user requirements and external circumstances. Additional security measures, such as expanding the access control system and installing fire sensors, need to be undertaken. The chillers must be renovated to take advantage of new environmentally acceptable refrigerants and to meet current standards. HVAC work is needed to improve internal air quality, meet revised fresh-air standards, and adequately handle the changing office environment. The building's exterior will need a new paint job within the timeframe of this CIP, and windows should be replaced to improve energy efficiency.

1900 Building

Constructed as a central location to house the City's land development and review bureaus and departments, the 1900 Building is four years old. Although still new, the building is now entering a phase in which appropriate major maintenance must be provided in order to protect the City's \$30 million investment. Ongoing projects in this category include painting, carpet refurbishment, and replacement of furniture in public spaces at scheduled intervals.

Most projects in the 1900 Building program are funded by the major maintenance component of the rental rates. The goal for this component is to equal 3% of the replacement value of the building each year. However, the current rate is only at 1.6%. A financial forecast shows this will increase to 2.8% in FY 2009.

A survey was conducted in the fall of 2001 to update the 1997 space survey that was used to derive the size and organization of the building. At the time, the 2001 survey revealed that the 1900 Building could not fully accommodate all of its tenants, largely due to the unanticipated growth of both the Portland Development Commission and the Bureau of Planning. However, in late 2003, the Bureau of Licenses moved to leased space elsewhere, due to a substantial staff increase. Also, PDC announced that it plans to vacate the building in 2004. As a result, some reorganization of the 1900 Building will be necessary to make the most efficient use of its office space. What form this reorganization will take is currently unclear, and meetings are underway to discuss options with bureau and department managers. The current lowest-cost option that has been identified would require resources of approximately \$2.7 million. However, other options will likely be identified over the next year. Resources for the final choice will come from those bureaus that will benefit from the move.

Vehicle Services

Vehicle Services supplies and maintains vehicles and equipment for various bureaus within the City. Its facilities include the Kerby Garage, the Interstate Garage, the Powell Garage, the 1st & Jefferson Garage, the Southeast Precinct garage, and the East Precinct Garage.

Funding for projects in the Vehicle Services program has previously been provided by interagency agreements with Facilities Services as provider and Vehicle Services as receiver, on a time-and-materials basis. In FY 2003, Facilities Services began charging Vehicle Services rental rates for the Kerby Garage and the Powell Garage. These rental rates include a major maintenance component.

Enterprise Resource Planning System

In early 1999, the Government Finance Officers Association (GFOA) conducted a technological needs assessment for the City of Portland to evaluate IBIS, its current business system purchased in 1989. GFOA's consultants concluded that IBIS has been a good investment, but it can no longer meet the needs of the City of Portland.

After completing a needs analysis, market research, and cost-benefit analysis, GFOA recommended that the City of Portland evaluate acquiring a new Enterprise Resource Planning System.

GFOA received estimates from ERP vendors for the cost of the project that ranged between \$5.1 million and \$9.3 million. GFOA estimates the project will be in the midpoint range of the estimates, at around \$7.5 million.

The GFOA report details the measurable economic benefits of a new ERP system. However, GFOA points out that the "most important" immeasurable benefit is the potential increase in productivity across the City workforce. Staff hours can be reallocated from lower-value tasks, such as re-keying information, to higher-value tasks, thereby creating a more productive workforce.

A specific budget for this project has not been created because OMF is in the early stages of the project. At this point, OMF has a placeholder of \$500,000 in FY 2005 for continued planning. If Council approves moving forward to acquire a new ERP, next year's CIP will include funding for FY 2006 and beyond.

It is anticipated that this project would be funded by all City funds. Debt financing may also be an option.

City responds to increased data security needs.

Information Security Improvements

The City is currently undergoing an information security assessment. The City has numerous legal obligations to protect data and critical infrastructure. The City acquires, transmits, and maintains data and systems that could, if disrupted or compromised, disrupt public services, public safety, privacy, and citizen and business financial security.

These acquisitions of hardware and software will reduce risk to the City's information infrastructure, reducing threats from malicious code or directed attacks at critical infrastructure control systems and data systems. Information Technology has applied for a Homeland Security grant to cover acquisition of information security related equipment upgrades in FY 2005.

	Revised	Adopted	Capital Plan					5-Year Total
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		

1900 Building

Provide Bike Parking

Area: All
Objective(s): Efficiency

Project Description

This project will design and install secure bike racks inside the PSU parking garage under the 1900 building.

Funding Sources

Rents	0	0	48,000	0	0	0	0	48,000
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Total Funding Sources	0	0	48,000	0	0	0	0	48,000
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Project Costs

Design/Project Mgmt	0	0	12,000	0	0	0	0	12,000
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Construction/Equipment	0	0	36,000	0	0	0	0	36,000
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Total Project Costs	0	0	48,000	0	0	0	0	48,000
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Oper & Maint Costs	0	0	0	0	0	0	0	0
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Improve Signage/Wayfinding

Area: All
Objective(s): Efficiency

Project Description

This project will design and install signage to enhance visitor access to City services within the 1900 Building.

Funding Sources

Rents	0	2,000	0	77,000	0	0	0	77,000
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Total Funding Sources	0	2,000	0	77,000	0	0	0	77,000
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Project Costs

Design/Project Mgmt	0	0	0	58,000	0	0	0	58,000
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Construction/Equipment	0	2,000	0	19,000	0	0	0	19,000
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Total Project Costs	0	2,000	0	77,000	0	0	0	77,000
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Oper & Maint Costs	0	0	0	0	0	0	0	0
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Paint Interior

Area: All
Objective(s): Maintenance

Project Description

This is scheduled maintenance to protect the investment in this City asset.

Funding Sources

Rents	0	0	80,250	80,250	80,250	80,250	0	321,000
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Total Funding Sources	0	0	80,250	80,250	80,250	80,250	0	321,000
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Project Costs

Design/Project Mgmt	0	0	20,000	20,000	20,000	20,000	0	80,000
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Construction/Equipment	0	0	60,250	60,250	60,250	60,250	0	241,000
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Total Project Costs	0	0	80,250	80,250	80,250	80,250	0	321,000
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Oper & Maint Costs	0	0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Replace/Rebuild Chillers								
								Area: All
								Objective(s): Maintenance
Project Description								
This part of a long term plan to replace major building equipment as it nears the end of its life expectancy.								
Funding Sources								
Rents	0	0	0	0	0	0	429,000	429,000
Total Funding Sources	0	0	0	0	0	0	429,000	429,000
Project Costs								
Design/Project Mgmt	0	0	0	0	0	0	106,000	106,000
Construction/Equipment	0	0	0	0	0	0	323,000	323,000
Total Project Costs	0	0	0	0	0	0	429,000	429,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Replace/Rebuild Cooling Towers								
								Area: All
								Objective(s): Maintenance
Project Description								
This project is part of a long-term plan to maintain and replace major building equipment as it nears the end of its useful life.								
Funding Sources								
Rents	0	0	0	0	0	0	110,000	110,000
Total Funding Sources	0	0	0	0	0	0	110,000	110,000
Project Costs								
Design/Project Mgmt	0	0	0	0	0	0	27,000	27,000
Planning	0	0	0	0	0	0	83,000	83,000
Total Project Costs	0	0	0	0	0	0	110,000	110,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Replace/Rebuild Emergency Generators								
								Area: All
								Objective(s): Maintenance
Project Description								
This project is part of a long-term plan to maintain and replace major building equipment as it nears the end of its useful life.								
Funding Sources								
Rents	0	0	0	0	0	190,000	0	190,000
Total Funding Sources	0	0	0	0	0	190,000	0	190,000
Project Costs								
Design/Project Mgmt	0	0	0	0	0	47,000	0	47,000
Planning	0	0	0	0	0	143,000	0	143,000
Total Project Costs	0	0	0	0	0	190,000	0	190,000
Oper & Maint Costs	0	0	0	0	0	0	0	0
Replace Carpet Building-Wide								
								Area: All
								Objective(s): Maintenance
Project Description								
This is scheduled maintenance to protect the investment in this City asset.								
Funding Sources								
Rents	0	0	0	0	179,667	179,667	179,666	539,000
Total Funding Sources	0	0	0	0	179,667	179,667	179,666	539,000
Project Costs								
Design/Project Mgmt	0	0	0	0	44,667	44,667	44,666	134,000
Construction/Equipment	0	0	0	0	135,000	135,000	135,000	405,000
Total Project Costs	0	0	0	0	179,667	179,667	179,666	539,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

Restack Building

Area: All

Objective(s): Efficiency

Project Description

This project will restack the 1900 Building based on the need of several tenants to expand and the Bureau of Licenses vacating the building in late 2003 and the announcement that PDC will move out in 2004.

Funding Sources

Service Reimbursements	0	0	0	2,709,000	0	0	0	2,709,000
Total Funding Sources	0	0	0	2,709,000	0	0	0	2,709,000

Project Costs

Design/Project Mgmt	0	0	0	673,000	0	0	0	673,000
Construction/Equipment	0	0	0	2,036,000	0	0	0	2,036,000
Total Project Costs	0	0	0	2,709,000	0	0	0	2,709,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Chief Administrative Officer

Enterprise Resource Planning System

Area: All

Objective(s): Replacement

Project Description

This project would implement the recommendation of GFOA that the City replace its IBIS business system with a new Enterprise Resource Planning (ERP) system.

Funding Sources

Service Reimbursements	0	0	500,000	0	0	0	0	500,000
Total Funding Sources	0	0	500,000	0	0	0	0	500,000

Project Costs

Design/Project Mgmt	0	0	500,000	0	0	0	0	500,000
Total Project Costs	0	0	500,000	0	0	0	0	500,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Information Security Improvement

Area: All

Objective(s): Replacement
Mandated
Efficiency

Project Description

The City is currently undergoing an Information Security assessment. The City has numerous legal obligations to protect data and critical infrastructure. The City acquires, transmits, and maintains data and systems that could if disrupted or compromised could disrupt public services, public safety, privacy, and citizen and business financial security. The projects costs here are estimated on very preliminary information from the assessment. The priority and timing of these acquisitions may be adjusted, as will the specific costs as the assessment is completed.

Funding Sources

Service Reimbursements	0	0	0	143,000	273,000	198,000	253,000	867,000
Total Funding Sources	0	0	0	143,000	273,000	198,000	253,000	867,000

Project Costs

Construction/Equipment	0	0	0	143,000	273,000	198,000	253,000	867,000
Total Project Costs	0	0	0	143,000	273,000	198,000	253,000	867,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

City Hall

Clean Exterior Sandstone/Paint Windows

Area: All

Objective(s): Maintenance

Project Description

This is part of regular maintenance for City Hall. It will clean the exterior sandstone and repaint the wood windows.

Funding Sources

Cash Transfers	0	0	197,000	0	0	0	0	197,000
Total Funding Sources	0	0	197,000	0	0	0	0	197,000

Project Costs

Design/Project Mgmt	0	0	49,000	0	0	0	0	49,000
Construction/Equipment	0	0	148,000	0	0	0	0	148,000
Total Project Costs	0	0	197,000	0	0	0	0	197,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Replace HVAC Heat Pump

Area: All

Objective(s): Maintenance
Replacement

Project Description

This project will replace existing heat pumps over three years as they come to the end of their useful life. The project extends through FY 2010, for a total cost of \$1,189,000.

Funding Sources

Cash Transfers	0	0	0	0	0	396,334	396,334	792,668
Total Funding Sources	0	0	0	0	0	396,334	396,334	792,668

Project Costs

Design/Project Mgmt	0	0	0	0	0	98,334	98,334	196,668
Construction/Equipment	0	0	0	0	0	298,000	298,000	596,000
Total Project Costs	0	0	0	0	0	396,334	396,334	792,668
Oper & Maint Costs	0	0	0	0	0	0	0	0

Paint Interior

Area: All

Objective(s): Maintenance

Project Description

This project is part of the long-term plan to maintain the appearance and condition of City Hall.

Funding Sources

Cash Transfers	0	0	0	90,250	90,250	90,250	90,250	361,000
Total Funding Sources	0	0	0	90,250	90,250	90,250	90,250	361,000

Project Costs

Design/Project Mgmt	0	0	0	22,500	22,500	22,500	22,500	90,000
Construction/Equipment	0	0	0	67,750	67,750	67,750	67,750	271,000
Total Project Costs	0	0	0	90,250	90,250	90,250	90,250	361,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		

Replace Carpet Building-Wide

Area: All

Objective(s): Maintenance
Replacement

Project Description

Carpeting at City Hall will be on a three-year replacement schedule, beginning in FY 2005, to keep the facility's carpeted areas looking cared for and in good repair.

Funding Sources

Cash Transfers	0	0	165,000	165,000	165,000	0	0	495,000
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Total Funding Sources	0	0	165,000	165,000	165,000	0	0	495,000
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Project Costs

Design/Project Mgmt	0	0	41,000	41,000	41,000	0	0	123,000
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Construction/Equipment	0	0	124,000	124,000	124,000	0	0	372,000
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Total Project Costs	0	0	165,000	165,000	165,000	0	0	495,000
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Oper & Maint Costs	0	0	0	0	0	0	0	0
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Install Electronic Access Controls

Area: All

Objective(s): Efficiency

Project Description

This project adds security to the office suite entries providing controlled access and quick response during times of threat.

Funding Sources

Cash Transfers	0	0	0	0	0	329,000	0	329,000
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Total Funding Sources	0	0	0	0	0	329,000	0	329,000
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Project Costs

Design/Project Mgmt	0	0	0	0	0	82,000	0	82,000
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Construction/Equipment	0	0	0	0	0	247,000	0	247,000
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Total Project Costs	0	0	0	0	0	329,000	0	329,000
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Oper & Maint Costs	0	0	0	0	0	0	0	0
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Replace Marble Stair Treads

Area: All

Objective(s): Maintenance

Project Description

This project replaces the worn, marble stair treads on the two main stairs in City Hall.

Funding Sources

Cash Transfers	0	0	0	46,000	0	0	0	46,000
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Total Funding Sources	0	0	0	46,000	0	0	0	46,000
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Project Costs

Design/Project Mgmt	0	0	0	12,000	0	0	0	12,000
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Construction/Equipment	0	0	0	34,000	0	0	0	34,000
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Total Project Costs	0	0	0	46,000	0	0	0	46,000
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Oper & Maint Costs	0	0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

Emergency PA and Panic System

Area: All

Objective(s): Efficiency

Project Description

This project will install a wireless building-wide public address and panic button system. The public address system will be installed in each suite and security zoned to allow for area-by-area notification and panic activation.

Funding Sources

Cash Transfers	0	0	83,000	0	0	0	0	83,000
Total Funding Sources	0	0	83,000	0	0	0	0	83,000

Project Costs

Design/Project Mgmt	0	0	21,000	0	0	0	0	21,000
Construction/Equipment	0	0	62,000	0	0	0	0	62,000
Total Project Costs	0	0	83,000	0	0	0	0	83,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Portland Building

Replace/Upgrade Chiller

Area: All

Objective(s): Maintenance
Replacement

Project Description

This project will repair or replace one of the two Portland Building HVAC chillers. It will convert the refrigerant to a more environmentally friendly type.

Funding Sources

Rents	0	0	0	174,000	0	0	0	174,000
Total Funding Sources	0	0	0	174,000	0	0	0	174,000

Project Costs

Design/Project Mgmt	0	0	0	43,000	0	0	0	43,000
Construction/Equipment	0	0	0	131,000	0	0	0	131,000
Total Project Costs	0	0	0	174,000	0	0	0	174,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Study/Upgrade Core Building's Access Control Sytem

Area: All

Objective(s): Expansion
Efficiency

Project Description

This project will expand the security access control to all garage doors, locker rooms, computer rooms, storage areas, and machine rooms.

Funding Sources

Rents	0	0	11,000	83,000	0	0	0	94,000
Total Funding Sources	0	0	11,000	83,000	0	0	0	94,000

Project Costs

Design/Project Mgmt	0	0	0	21,000	0	0	0	21,000
Construction/Equipment	0	0	0	62,000	0	0	0	62,000
Planning	0	0	11,000	0	0	0	0	11,000
Total Project Costs	0	0	11,000	83,000	0	0	0	94,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		

Install Exterior Pedestrian Amenities

Area: All

Objective(s): Maintenance
Replacement

Project Description

This project calls for the design and development of pedestrian improvements for the loggia and third floor roof deck for tenant and public gathering and sitting. The project will include opening doorways on the third floor for access to the floor roof deck, improving the concrete surface of the loggia, and installing a variety of amenities such as better benches, planters, lighting and tables and chairs.

Funding Sources

Rents	0	0	0	0	0	0	318,000	318,000
Total Funding Sources	0	0	0	0	0	0	318,000	318,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	0	79,500	79,500
Construction/Equipment	0	0	0	0	0	0	238,500	238,500
Total Project Costs	0	0	0	0	0	0	318,000	318,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Install Addressable Smoke/Fire Sensors

Area: All

Objective(s): Maintenance
Replacement
Efficiency

Project Description

This project will install addressable smoke/fire sensors for each floor. The first floor and the sixth floor have addressable sensors at this time, installed in FY 2000. The building communication "backbone" was also installed in FY 2000. The total cost of the remaining floors is \$1,143,000, with \$381,000 being spent within the timeframe of this CIP.

Funding Sources

Rents	0	0	0	0	127,000	127,000	127,000	381,000
Total Funding Sources	0	0	0	0	127,000	127,000	127,000	381,000

Project Costs

Construction/Equipment	0	0	0	0	31,750	31,750	31,750	95,250
Design/Project Mgmt	0	0	0	0	95,250	95,250	95,250	285,750
Total Project Costs	0	0	0	0	127,000	127,000	127,000	381,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Paint Interior

Area: All

Objective(s): Maintenance

Project Description

This project is part of long-term maintenance of The Portland Building to repaint interior areas through FY 2008.

Funding Sources

Rents	0	32,333	0	129,500	129,500	129,500	129,500	518,000
Total Funding Sources	0	32,333	0	129,500	129,500	129,500	129,500	518,000

Project Costs

Design/Project Mgmt	0	8,083	0	32,375	32,375	32,375	32,375	129,500
Construction/Equipment	0	24,250	0	97,125	97,125	97,125	97,125	388,500
Total Project Costs	0	32,333	0	129,500	129,500	129,500	129,500	518,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	Total	

Replace Main Roof

Area: All

Objective(s): Maintenance
Replacement

Project Description

The roof of The Portland Building is nearing the end of its useful life. This project will remove and reinstall a new roofing system, including elevator penthouse roof, at the main roof above the fifteenth floor.

Funding Sources

Rents	0	0	883,000	0	0	0	0	883,000
Total Funding Sources	0	0	883,000	0	0	0	0	883,000

Project Costs

Design/Project Mgmt	0	0	219,000	0	0	0	0	219,000
Construction/Equipment	0	0	664,000	0	0	0	0	664,000
Total Project Costs	0	0	883,000	0	0	0	0	883,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Paint Exterior

Area: All

Objective(s): Maintenance

Project Description

Part of long-term maintenance of The Portland Building, this will repaint the exterior surfaces to enhance appearance and keep it watertight.

Funding Sources

Rents	0	0	0	0	0	396,000	0	396,000
Total Funding Sources	0	0	0	0	0	396,000	0	396,000

Project Costs

Site Acquisition	0	0	0	0	0	98,000	0	98,000
Construction/Equipment	0	0	0	0	0	298,000	0	298,000
Total Project Costs	0	0	0	0	0	396,000	0	396,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Implement Rapid HVAC Shutdown/Sealing

Area: All

Objective(s): Expansion
Efficiency

Project Description

This project will provide the control capability to rapidly close HVAC outside air intakes in the event of an emergency; such as dense smoke or threat by a chemical or biological agent. The project includes additional DDC controls, rapid-acting damper motors, and dampers. The project will take advantage of the new HVAC system controls being installed in 2004.

Funding Sources

Rents	0	0	0	0	0	0	157,000	157,000
Total Funding Sources	0	0	0	0	0	0	157,000	157,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	0	39,000	39,000
Construction/Equipment	0	0	0	0	0	0	118,000	118,000
Total Project Costs	0	0	0	0	0	0	157,000	157,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan						5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		

Replace Window Blinds

Area: All

Objective(s): Replacement

Project Description

This will replace original window blinds in The Portland Building that are worn with new blinds.

Funding Sources

Rents	0	0	0	0	0	132,000	0	132,000
Total Funding Sources	0	0	0	0	0	132,000	0	132,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	31,000	0	31,000
Construction/Equipment	0	0	0	0	0	101,000	0	101,000
Total Project Costs	0	0	0	0	0	132,000	0	132,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Refurbish Restrooms

Area: All

Objective(s): Maintenance

Project Description

This project will continue the upgrades to The Portland Building restrooms begun in FY 2003 and complete the remainder not completed this FY.

Funding Sources

Rents	0	351,000	168,000	0	0	0	0	168,000
Total Funding Sources	0	351,000	168,000	0	0	0	0	168,000

Project Costs

Design/Project Mgmt	0	70,000	42,000	0	0	0	0	42,000
Construction/Equipment	0	281,000	126,000	0	0	0	0	126,000
Total Project Costs	0	351,000	168,000	0	0	0	0	168,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Replace Windows

Area: All

Objective(s): Maintenance
Replacement
Efficiency

Project Description

This project will replace the exterior single pane windows at The Portland Building with energy efficient double pane windows.

Funding Sources

Rents	0	0	0	0	0	333,500	333,500	667,000
Total Funding Sources	0	0	0	0	0	333,500	333,500	667,000

Project Costs

Planning	0	0	0	0	0	83,375	83,375	166,750
Construction/Equipment	0	0	0	0	0	250,125	250,125	500,250
Total Project Costs	0	0	0	0	0	333,500	333,500	667,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

Replace Main Roll-up Garage Door

Area: All

Objective(s): Replacement

Project Description

This project replaces the existing roll-up garage door with a new door and door operator. The door will also be moved to the building perimeter from the current location.

Funding Sources

Rents	0	0	135,000	0	0	0	0	135,000
Total Funding Sources	0	0	135,000	0	0	0	0	135,000

Project Costs

Design/Project Mgmt	0	0	34,000	0	0	0	0	34,000
Construction/Equipment	0	0	101,000	0	0	0	0	101,000
Total Project Costs	0	0	135,000	0	0	0	0	135,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Upgrade Elevator Controls

Area: All

Objective(s): Maintenance
Replacement

Project Description

This project will modernize The Portland Building elevator controls with the latest technology, non-proprietary control equipment. The total cost of the project is \$2,709,000 over two fiscal years (through FY 2010).

Funding Sources

Rents	0	0	0	0	0	0	1,354,500	1,354,500
Total Funding Sources	0	0	0	0	0	0	1,354,500	1,354,500

Project Costs

Design/Project Mgmt	0	0	0	0	0	0	336,500	336,500
Construction/Equipment	0	0	0	0	0	0	1,018,000	1,018,000
Total Project Costs	0	0	0	0	0	0	1,354,500	1,354,500

Oper & Maint Costs	0	0	0	0	0	0	0	0
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Upgrade HVAC VAV Boxes

Area: All

Objective(s): Maintenance
Replacement
Efficiency

Project Description

The Portland Building's HVAC VAV Boxes Variable Air Volume boxes are controlled by a pneumatic system near the end of its functional life expectancy. The existing equipment reliability is deteriorating and expensive to calibrate and maintain. This project will modernize the Portland Building's HVAC VAV box controls by converting from pneumatic controls to Direct Digital Controls with new technology, non-proprietary control equipment.

Funding Sources

Rents	0	0	0	0	0	396,000	0	396,000
Total Funding Sources	0	0	0	0	0	396,000	0	396,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	98,000	0	98,000
Construction/Equipment	0	0	0	0	0	298,000	0	298,000
Total Project Costs	0	0	0	0	0	396,000	0	396,000

Oper & Maint Costs	0	0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

Expand Access Control

Area: All
Objective(s): Expansion
Efficiency

Project Description

This project will add access control to all garage doors, locker rooms, computer rooms, storage areas, and machine rooms.

Funding Sources

Rents	0	0	0	97,000	0	0	0	97,000
Total Funding Sources	0	0	0	97,000	0	0	0	97,000

Project Costs

Design/Project Mgmt	0	0	0	24,000	0	0	0	24,000
Construction/Equipment	0	0	0	73,000	0	0	0	73,000
Total Project Costs	0	0	0	97,000	0	0	0	97,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Vehicle Services

Implement Kerby Garage ADA Improvements

Area: All
Objective(s): Maintenance
Mandated

Project Description

This project will bring areas within the Kerby Garage to fully comply with Americans with Disability Act requirements.

Funding Sources

Rents	0	0	0	0	0	28,000	0	28,000
Total Funding Sources	0	0	0	0	0	28,000	0	28,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	7,000	0	7,000
Construction/Equipment	0	0	0	0	0	21,000	0	21,000
Total Project Costs	0	0	0	0	0	28,000	0	28,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Seal Kerby Garage Exterior

Area: All
Objective(s): Maintenance

Project Description

This project will seal the exterior masonry and stucco surfaces of the Kerby garage to mitigate water intrusion.

Funding Sources

Rents	0	0	0	120,000	0	0	0	120,000
Total Funding Sources	0	0	0	120,000	0	0	0	120,000

Project Costs

Design/Project Mgmt	0	0	0	30,000	0	0	0	30,000
Construction/Equipment	0	0	0	90,000	0	0	0	90,000
Total Project Costs	0	0	0	120,000	0	0	0	120,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	

Implement Powell Garage ADA Improvements

Area: All

Objective(s): Maintenance
Mandated

Project Description

This project will upgrade areas within the Powell garage to meet Americans with Disabilities Act requirements.

Funding Sources

Rents	0	0	0	0	0	39,000	0	39,000
Total Funding Sources	0	0	0	0	0	39,000	0	39,000

Project Costs

Design/Project Mgmt	0	0	0	0	0	10,000	0	10,000
Construction/Equipment	0	0	0	0	0	29,000	0	29,000
Total Project Costs	0	0	0	0	0	39,000	0	39,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Replace Powell Garage Carport Roof

Area: All

Objective(s): Maintenance
Replacement

Project Description

The Powell garage carport roof is very deteriorated and needs replacing to prevent water leaks.

Funding Sources

Rents	0	0	93,000	0	0	0	0	93,000
Total Funding Sources	0	0	93,000	0	0	0	0	93,000

Project Costs

Design/Project Mgmt	0	0	23,000	0	0	0	0	23,000
Construction/Equipment	0	0	70,000	0	0	0	0	70,000
Total Project Costs	0	0	93,000	0	0	0	0	93,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Waterproof Powell Garage Exterior

Area: All

Objective(s): Maintenance

Project Description

This project will waterproof the exterior masonry walls of Powell garage to prevent water intrusion.

Funding Sources

Rents	0	0	0	0	97,000	0	0	97,000
Total Funding Sources	0	0	0	0	97,000	0	0	97,000

Project Costs

Design/Project Mgmt	0	0	0	0	24,000	0	0	24,000
Construction/Equipment	0	0	0	0	73,000	0	0	73,000
Total Project Costs	0	0	0	0	97,000	0	0	97,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
Prior Years	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		

Replace Exterior Powell Garage Windows

Area: All

Objective(s): Maintenance
Replacement
Efficiency

Project Description

This project will replace exterior industrial sash single pane windows with energy efficient double pane windows at the Powell garage.

Funding Sources

Rents	0	0	0	0	130,000	0	0	130,000
Total Funding Sources	0	0	0	0	130,000	0	0	130,000

Project Costs

Design/Project Mgmt	0	0	0	0	32,000	0	0	32,000
Construction/Equipment	0	0	0	0	98,000	0	0	98,000
Total Project Costs	0	0	0	0	130,000	0	0	130,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Seal Coat Powell Garage Main Roof

Area: All

Objective(s): Maintenance

Project Description

The roof at Powell garage was installed in 1986 and is beginning to show signs of wear. This project will install a protective seal coat to extend the useful life of the roof.

Funding Sources

Rents	0	0	73,000	0	0	0	0	73,000
Total Funding Sources	0	0	73,000	0	0	0	0	73,000

Project Costs

Design/Project Mgmt	0	0	19,000	0	0	0	0	19,000
Construction/Equipment	0	0	54,000	0	0	0	0	54,000
Total Project Costs	0	0	73,000	0	0	0	0	73,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

Restore Kerby Garage Curb, Driveway and Sidewalk

Area: All

Objective(s): Maintenance

Project Description

This project will restore the proper height of curing, sidewalk, and driveways along the length of the Kerby Street side of the building.

Funding Sources

Rents	0	0	0	68,000	0	0	0	68,000
Total Funding Sources	0	0	0	68,000	0	0	0	68,000

Project Costs

Design/Project Mgmt	0	0	0	17,000	0	0	0	17,000
Construction/Equipment	0	0	0	51,000	0	0	0	51,000
Total Project Costs	0	0	0	68,000	0	0	0	68,000
Oper & Maint Costs	0	0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	5–Year Total	

Replace Floor Finish in Kerby Garage Admin Area

Area: All

Objective(s): Maintenance

Project Description

This project will replace the floor coverings in the Kerby Garage administrative area.

Funding Sources

Rents	0	0	30,000	0	0	0	0	30,000
Total Funding Sources	0	0	30,000	0	0	0	0	30,000

Project Costs

Design/Project Mgmt	0	0	7,000	0	0	0	0	7,000
Construction/Equipment	0	0	23,000	0	0	0	0	23,000
Total Project Costs	0	0	30,000	0	0	0	0	30,000
Oper & Maint Costs	0	0	0	0	0	0	0	0