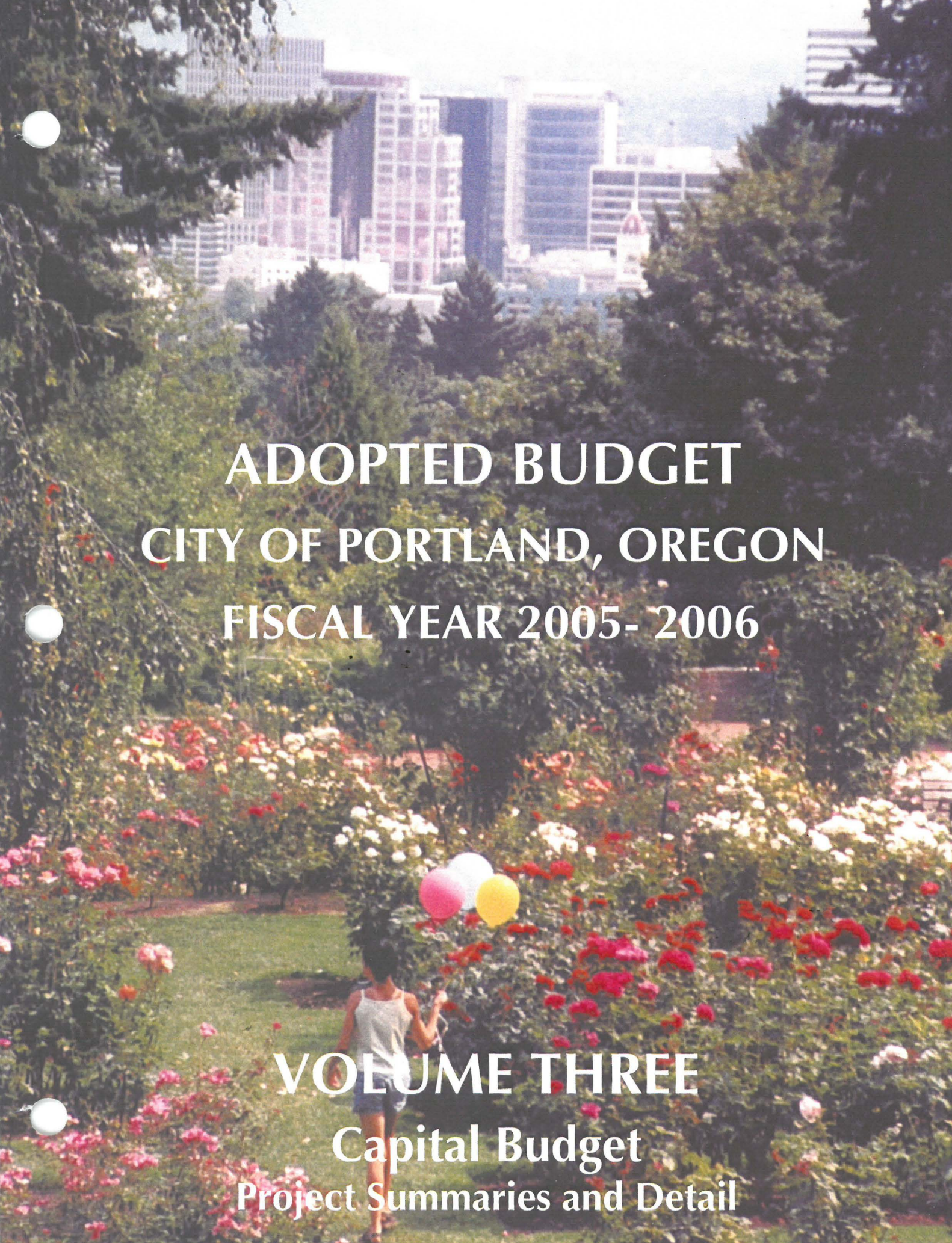

ADOPTED BUDGET
CITY OF PORTLAND, OREGON
FISCAL YEAR 2005- 2006

VOLUME THREE
Capital Budget
Project Summaries and Detail

Washington Park's International Rose Test Garden and Portland's Skyline

Portland's skyline provides an urban backdrop for this photograph of a young woman enjoying the International Rose Test Garden in Washington Park. The blending of the natural with the urban environment is a striking feature of Portland, contributing to its reputation and its attractiveness as a city. The presence of a young person represents the emphasis on youth that is a theme of the City's 2005-06 budget.

The International Rose Test Garden is a prominent feature of Washington Park, located in the west hills overlooking downtown Portland and with postcard views of the city and Mt. Hood. The City purchased Washington Park's original 40.78 acres in 1871, and the first rose test garden was established there in 1915 as a "safe haven" for hybrid roses from Europe feared to be in danger from World War I bombing. By this time, Portland had over 200 miles of streets bordered by roses and had already earned the moniker "City of Roses."

Today, Portland's International Rose Test Garden is considered the oldest official, continuously-operated public rose test garden in the United States, receiving roses from around the world to be tested in the mild climate conducive to their growth. The status and international recognition of the garden make Portland the only city in North America that can issue its awards to roses of merit throughout the world.

The picture was submitted as an entry in the City's "Five Gardens" photo contest in 2000, and is part of the Parks Bureau's photo collection. The photographer is Linda N. Todd, a resident of Northeast Portland.

Adopted Budget

City of Portland, Oregon

Fiscal Year 2005-06
Volume Three

Capital Improvement Plan

Mayor Tom Potter

Commissioner Sam Adams

Commissioner Randy Leonard

Commissioner Dan Saltzman

Commissioner Erik Sten

Auditor Gary Blackmer

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Table of Contents

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, 2004.

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 2005–06 Adopted Budget document consists of three volumes. Volume One contains general information and an overview of the Adopted Budget for the City of Portland. Volume One also presents the adopted budgets for individual City bureaus and offices. Volume Two provides detailed information about the City's funds. It also includes the City's financial forecasts, plans, and policies. Volume Three displays detailed budget information for the City's capital projects, including the five-year Capital Improvement Plan.

VOLUME ONE - BUREAU BUDGETS

Mayor's Message

A message from Mayor Tom Potter about the challenges, opportunities, and uncertainties he and the four City Commissioners faced in preparing the Adopted Budget for FY 2005–06. The message highlights the Mayor's budget priorities and the principles adhered to in crafting the Adopted Budget.

Overviews

City Overview

The City Overview gives general information about the City of Portland, including its demographics and government management systems.

Budget Overview

The Budget Overview presents the total City budget from a number of technical perspectives, discusses significant changes to funds, and outlines the City's overall budget process. It also summarizes all budget decisions and delineates the links between those decisions and City Council goals and strategic issues.

Financial Overview

The Financial Overview lays out the City's financial planning process, fiscal structure, and related policies. Also part of this section are the five-year forecast, a discussion of City debt management, and highlights of key revenue and expenditure trends.

Budget Notes

The Budget Notes section lists issues that Council has determined require further analysis or action. The notes generally direct a bureau to undertake a particular assignment.

Financial Summaries

These summaries show Citywide revenues and expenses in total and by service area, as well as General Fund revenues and expenses and authorized positions.

Service Area Information

City bureaus are categorized into service areas based on the nature of their programs and services. Each service area section of the budget document begins with a description of the service area and budget highlights for bureaus in that service area. This is followed by the Adopted Budget for each bureau in the service area. The City's six service areas are:

- 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 beginning of Volume Two summarize the City budget across all funds and list bureau expenses and total City expenses by fund. The Appropriation Schedule, tax levy computations, and urban renewal tax certifications are also included. This section concludes with tables related to the City's debt obligations and summaries of the General Fund and General Reserve Fund.

Fund Summaries by Service Area

Presented in the same service area order as Volume One, these sections detail the resources and expenditures of each City fund. A brief description of each fund's purpose and relevant trends and issues are incorporated with fund financial information.

Financial Plans

Five-year financial plans for the General Fund and the enterprise funds are presented in this section. The plans provide detailed information about the financial context in which budgetary decisions were made.

Financial Policies

These policies provide a framework to guide the City in making financial and budgetary decisions. Financial policies help the City balance long-term interests and needs with more immediate concerns.

Ordinances

Volume Two concludes with the ordinances passed by Council to formally adopt the budget, levy taxes, open and close funds, and accept state shared revenues. The Tax Supervising and Conservation Commission's letter certifying the City's budget is also presented here.

VOLUME THREE - CAPITAL BUDGET

Overview

The overview explains the City's capital budgeting process, including regulatory requirements, the use of long-range planning documents, and the roles of various groups in developing the capital budget.

Citywide Summary

This summary offers highlights of the FY 2005-06 capital budget and a detailed presentation of the five-year Capital Improvement Plan. Capital projects are summarized by service area, geographic location, and fund.

Capital Projects by Service Area

Presented in the same service area order as Volumes One and Two, these sections describe each of the City's capital projects by bureau. Project information is displayed by funding source and geographic location, and includes expenditure history and five-year forecasts for each project.

QUESTIONS

If you have any questions about the use of the budget 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) 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 30 years.

Definition of Capital

Projects contained in the CIP budget increase or enhance the City's capital 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 bureau section contains the details of all anticipated CIP projects. The project details include program and project titles, objective, geographic area, project description, funding sources, 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

Maintenance 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 are deemed replacement projects. 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, the combined sewer overflow project, and security improvements.

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

Efficiency 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 geographic area codes generally follow the street designators in the city.

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 (LIDs): 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 golf fees.
- Service Reimbursements: Resources provided as payment for service, usually through interagency agreements.

- System Development Charges (SDCs): 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 (TIF): 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.

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 facilities with new ones requiring less maintenance.


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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, City Council priorities, 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 planning process is intended to provide guidance in constructing budgets and implementing projects in a coordinated manner to accomplish the following objectives:

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

BUDGETING PROCESS

Capital Budget Process

All bureaus that plan capital expenditures are required to develop capital budgets. In general, CIP budget development follows this process:

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

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

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

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 customer reviews 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 the Office of Management and Finance's Financial Planning Division (FPD) 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 Management 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

The Capital Review Committee (CRC), comprised of the bureaus seeking General Fund Capital Set-Aside funding support, is convened to review capital requests. Projects are scored for aging infrastructure, safety, and mandate. Projects are also recognized if they advance another Council strategic priority (economic vitality, River Renaissance, growth management/livability) or have a leverage effect. Scores and rank order are assigned by FPD and reviewed by the CRC.

City Council

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

PROCESS IMPROVEMENTS

Capital System Plan Committee Formed

A Capital System Plan (CSP) Committee composed of senior managers in the CIP bureaus has been formed to coordinate the development of the City's facilities plan for the state. Bureau representatives are meeting to develop a coordinated, Citywide process for developing the new 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.


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Citywide Summary

Overview and Financial Tables

CIP Summary

Overview

The City of Portland's FY 2005–06 Adopted CIP Budget is $308.9 million. The Citywide CIP for FY 2005–06 through FY 2009–10 (FY 2006–10) 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. 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 2005–06 at $189.8 million. This is followed by Transportation at nearly $80.0 million; Parks, Recreation, and Culture at $18.8 million; Legislative, Administrative, and Support Services at $18.8 million; and Public Safety at $1.6 million. In the past, Office of Management and Finance (OMF) capital projects were spread to service areas, whereas this year all OMF projects are shown in the Legislative, Administrative, and Support Services 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 shown by service area in the table at the end of this section.

CIP Budget by Geographic Area

CIP budgets by geographic area are shown by service area in the table at the end of this section. The geographic areas follow the street designators of N, NE, SE, NW, and SW. Some capital projects overlap districts and are reflected in the geographic areas of east, west, or all areas.

Operating and Maintenance

Net operating and maintenance costs or savings associated with capital projects can be from new facilities or from 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.

General Fund Capital Set-Aside 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 General Fund Capital Set-Aside for FY 2005–06 is $1.8 million, net of debt service commitments. Of this, $509,327 is allocated to the Fire Bureau, $437,000 to OMF for the 800 MHz system, $400,000 to the Office of Transportation for street lighting, $363,000 to Parks and Recreation, and $80,000 to Police for a bomb robot.

Capital Improvement Plan — Citywide Summary

This table summarizes project costs by the project costs of bureaus within each Service Area.

Service Area		Revised	Adopted	Capital Plan				
Bureau	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5–Year Total**
Public Safety								
Fire Bureau	1,013,800	1,156,956	1,550,700	1,041,373	1,041,373	1,041,373	1,041,373	5,716,192
Total Public Safety	1,013,800	1,156,956	1,550,700	1,041,373	1,041,373	1,041,373	1,041,373	5,716,192
Parks, Recreation and Culture								
Parks and Recreation	5,923,402	12,580,903	18,801,468	18,489,759	8,807,115	10,541,491	6,787,115	63,426,948
Total Parks, Recreation and Culture	5,923,402	12,580,903	18,801,468	18,489,759	8,807,115	10,541,491	6,787,115	63,426,948
Public Utilities								
Bureau of Environmental Services	308,567,249	146,443,515	137,456,249	100,680,958	150,215,020	177,848,783	175,476,521	741,677,531
Water Bureau	51,080,555	42,565,382	52,342,000	52,261,000	54,928,000	47,294,000	41,699,000	248,524,000
Total Public Utilities	359,647,804	189,008,897	189,798,249	152,941,958	205,143,020	225,142,783	217,175,521	990,201,531
Transportation and Parking								
Office of Transportation	19,047,353	60,096,361	79,926,472	31,642,687	16,304,040	14,148,051	17,393,005	159,414,255
Total Transportation and Parking	19,047,353	60,096,361	79,926,472	31,642,687	16,304,040	14,148,051	17,393,005	159,414,255
Legislative, Administrative and Support								
Office of Management & Finance	2,792,177	5,337,435	18,822,830	15,759,367	23,892,420	11,975,121	5,964,439	76,414,177
Total Legislative, Administrative and Sup-	2,792,177	5,337,435	18,822,830	15,759,367	23,892,420	11,975,121	5,964,439	76,414,177
Total City Capital Plan	**$386,724,536**	**$267,780,552**	**$308,899,719**	**$219,875,144**	**$255,187,968**	**$262,848,819**	**$248,361,453**	**$1,295,173,103**

Capital Improvement Plan — Citywide Summary

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

Service Area		Revised	Adopted	Capital Plan				
Fund Group	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5–Year Total**
Public Safety								
Discretionary Rev - One Time	35,000	135,000	509,327	0	0	0	0	509,327
Discretionary Rev - Ongoing	978,800	1,021,956	1,041,373	1,041,373	1,041,373	1,041,373	1,041,373	5,206,865
Total Public Safety	1,013,800	1,156,956	1,550,700	1,041,373	1,041,373	1,041,373	1,041,373	5,716,192
Parks, Recreation and Culture								
Assessment Payments-Open	0	0	300,000	0	0	0	0	300,000
Budgeted Beginning Fund Balance	650,680	2,397,962	4,394,063	250,000	450,000	250,000	250,000	5,594,063
Federal Grants	0	0	0	0	0	4,444,376	0	4,444,376
Interest on Investments	0	0	7,000	0	0	0	0	7,000
Local Cost Sharing - Portland	1,292,426	1,692,431	2,101,800	3,750,000	0	0	3,000,000	8,851,800
Local Cost Sharing	565,571	152,692	150,000	0	0	0	0	150,000
Private Grants/Donations	793	129,024	492,691	2,186,444	0	0	0	2,679,135
Public Works/Utility Charge	0	2,397,433	2,819,595	3,767,115	4,539,115	3,967,115	2,467,115	17,560,055
Sale of Capital Assets	0	0	390,550	1,000,000	1,000,000	1,000,000	0	3,390,550
Environmental Services	0	0	85,000	0	100,000	0	0	185,000
Federal Grants Fund	0	44,000	487,500	0	0	0	0	487,500
General Fund	381,847	1,200,000	363,000	1,323,600	1,457,000	830,000	1,020,000	4,993,600
Golf Fund	138,693	1,400,000	0	0	0	0	0	0
Housing & Community Development	0	85,615	0	0	0	0	0	0
Parks Bureau	0	0	20,000	0	0	0	0	20,000
Portland Parks Memorial Trust	559,212	40,528	340,000	0	0	0	0	340,000
Special Appropriations	413,637	0	0	0	0	0	0	0
Water Bureau	313,301	108,000	50,000	50,000	50,000	50,000	50,000	250,000
Parks Local Option Levy	1,607,242	2,933,218	6,800,269	6,162,600	1,211,000	0	0	14,173,869
Total Parks, Recreation and Culture	5,923,402	12,580,903	18,801,468	18,489,759	8,807,115	10,541,491	6,787,115	63,426,948
Public Utilities								
Contribution	0	550,000	600,000	600,000	600,000	600,000	500,000	2,900,000
Discretionary Rev - One Time	38,306,534	37,892,002	44,016,319	44,087,275	50,567,275	42,693,275	37,148,275	218,512,419
Discretionary Rev - Ongoing	12,774,021	1,310,000	2,467,000	2,210,000	1,280,000	2,020,000	2,070,000	10,047,000
Bureau of Transportation	0	196,000	509,675	375,000	375,000	375,000	375,000	2,009,675
Environmental Services	0	212,380	1,137,225	1,083,725	1,200,725	1,200,725	1,200,725	5,823,125
Federal Grants Fund	0	2,405,000	3,905,000	3,905,000	905,000	405,000	405,000	9,525,000
Sewer System Construction Fund	308,567,249	146,443,515	137,163,030	100,680,958	150,215,020	177,848,783	175,476,521	741,384,312
Total Public Utilities	359,647,804	189,008,897	189,798,249	152,941,958	205,143,020	225,142,783	217,175,521	990,201,531
Transportation and Parking								
Bond and Note Sales	0	50,000	1,675,000	1,805,000	0	0	0	3,480,000
Discretionary Rev - Ongoing	80,478	745,000	2,592,016	795,000	795,000	795,000	795,000	5,772,016
Local Cost Sharing - Portland	2,208,732	12,821,508	15,240,815	3,190,438	2,350,000	6,050,000	6,050,000	32,881,253
O H S U	16,963	709,000	39,515	0	0	0	0	39,515
Local Cost Sharing -Port Of Portland	3,595,759	211,826	0	0	0	0	0	0
Private Grants/Donations	887,452	3,500,000	1,380,000	0	0	0	0	1,380,000
Public Works/Utility Charge	3,792,048	7,474,216	9,444,153	5,924,217	960,633	1,014,151	1,070,345	18,413,499
State Cost Sharing	181,161	11,985,206	15,557,704	9,135,240	4,259,261	0	0	28,952,205
State Grants	0	101,400	1,548,600	0	0	0	0	1,548,600
Environmental Services	45,066	0	74,011	50,000	50,000	50,000	50,000	274,011
Federal Grants Fund	5,268,845	8,697,842	18,391,356	9,510,613	6,270,783	4,540,000	3,015,560	38,528,312
General Fund	1,700,000	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
Local Improvement District Construction	195,800	11,958,496	13,583,302	239,400	251,400	263,900	5,277,100	19,615,102
Transportation Operating Fund	1,075,049	1,441,867	0	592,779	966,963	1,035,000	735,000	3,329,742
Total Transportation and Parking	19,047,353	60,096,361	79,926,472	31,642,687	16,304,040	14,148,051	17,393,005	159,414,255
Legislative, Administrative and Support								
Bond and Note Sales	2,536,177	3,901,384	6,185,000	4,243,500	6,551,000	2,838,000	0	19,817,500
Local Cost Sharing	0	0	669,000	2,429,500	5,216,000	2,516,000	0	10,830,500
Miscellaneous	0	0	968,000	1,058,000	1,115,000	1,060,000	1,100,000	5,301,000
Parkign Fees	0	0	1,377,500	941,000	1,288,000	803,000	1,149,000	5,558,500
Rents and Reimbursements	0	500,000	246,400	875,000	200,000	339,000	200,000	1,860,400
Sale of Capital Assets	0	0	0	0	313,000	0	0	313,000
Technology Services Fund	0	936,051	4,330,430	3,750,000	4,983,519	0	0	13,063,949
Federal Grants Fund	0	0	1,030,050	0	0	0	0	1,030,050

Capital Improvement Plan — Citywide Summary

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

Service Area		Revised	Adopted	Capital Plan				
Fund Group	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5–Year Total**
General Fund	256,000	0	805,250	255,250	915,584	586,584	561,334	3,124,002
Office of Management & Finance	0	0	425,000	0	0	365,000	275,000	1,065,000
IA Revenues	0	0	2,786,200	2,207,117	3,310,317	3,467,537	2,679,105	14,450,,276
Total Legislative, Administrative and	2,792,177	5,337,435	18,822,830	15,759,367	23,892,420	11,975,121	5,964,439	76,414,177
Total City Capital Plan	**$386,724,536**	**$267,780,552**	**$308,899,719**	**$219,875,144**	**$255,187,968**	**$262,848,819**	**$248,361,453**	**$1,295,173,103**

Capital Improvement Plan — Citywide Summary

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area within each Service Area.

Service Area		Revised	Adopted	Capital Plan				
Geographic Area	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5–Year Total**
Public Safety								
All Areas	978,800	1,121,956	1,515,700	1,041,373	1,041,373	1,041,373	1,041,373	5,206,865
North	325,000	325,000	325,000	0	0	0	0	325,000
Total Public Safety	1,013,800	1,156,956	1,550,700	1,041,373	1,041,373	1,041,373	1,041,373	5,716,192
Parks, Recreation and Culture								
All Areas	59,900	1,743,520	7,626,158	3,231,115	4,577,115	4,217,115	3,027,115	22,678,618
Central City	524,985	78,692	604,967	4,750,000	1,201,000	0	3,000,000	9,555,967
East	456,903	1,396,625	1,240,917	5,937,000	0	0	0	7,177,917
North	773,183	916,135	6,095,353	1,000,000	520,000	2,876,376	50,000	10,541,729
Northeast	769,203	3,082,068	472,838	181,644	0	0	200,000	854,482
Northwest	1,721,485	324,523	578,883	400,000	492,000	0	0	1,470,883
Southeast	440,176	2,740,564	2,130,550	1,830,000	2,017,000	3,448,000	510,000	9,935,550
Southwest	1,177,567	2,298,776	51,802	1,160,000	0	0	0	1,211,802
Total Parks, Recreation and Culture	5,923,402	12,580,903	18,801,468	18,489,759	8,807,115	10,541,491	6,787,115	63,426,948
Public Utilities								
All Areas	238,433,502	126,881,021	104,579,842	55,283,419	34,322,000	36,764,000	35,742,000	266,691,261
Central City	2,660,858	2,477,000	3,455,000	3,105,000	8,905,000	5,905,000	205,000	21,575,000
East	20,860,785	13,192,738	31,687,000	73,924,000	132,311,000	128,410,000	128,273,000	494,605,000
North	26,793,571	9,511,033	10,098,657	3,824,000	2,150,000	4,160,000	2,750,000	22,982,657
Northeast	16,756,876	13,031,712	10,227,658	4,387,539	4,554,300	4,728,400	5,746,039	29,643,936
Northwest	33,164,496	6,507,700	9,472,657	3,735,000	8,800,000	20,000,000	20,000,000	62,007,657
Southeast	13,070,467	5,847,490	7,995,000	3,517,000	7,963,720	20,146,383	17,615,482	57,237,585
Southwest	2,262,834	1,392,250	2,953,637	300,000	0	0	0	3,253,637
Undefined	5,644,415	10,167,953	9,328,798	4,866,000	6,137,000	5,029,000	6,844,000	32,204,798
Total Public Utilities	359,647,804	189,008,897	189,798,249	152,941,958	205,143,020	225,142,783	217,175,521	990,201,531
Transportation and Parking								
All Areas	90,131	0	548,022	100,000	100,000	100,000	100,000	948,022
East	128,100	2,391,847	3,777,510	108,200	115,800	100,000	8,200	4,109,710
North	7,418,692	1,509,614	1,970,888	407,766	717,768	350,000	50,000	3,496,422
Northeast	2,419,903	17,774,059	20,232,747	16,872,287	3,110,261	0	0	40,215,295
Northwest	950,549	4,084,265	6,165,300	958,000	0	0	0	7,123,300
Southeast	794,940	544,114	3,387,904	4,865,906	6,554,808	10,025,000	14,025,000	38,858,618
Southwest	3,146,508	28,970,716	32,703,006	1,220,950	916,675	840,000	407,360	36,087,991
Undefined	1,598,279	3,165,079	6,484,169	4,420,263	4,788,728	2,733,051	2,802,445	21,228,656
West	800,251	1,256,667	4,656,926	2,689,315	0	0	0	7,346,241
Total Transportation and Parking	17,347,353	59,696,361	79,926,472	31,642,687	16,304,040	14,148,051	17,393,005	159,414,255
Legislative, Administrative and Support								
All Areas	0	0	763,450	740,250	717,950	337,620	754,605	3,313,875
Central City	0	0	4,484,950	2,797,117	4,642,951	4,506,501	3,524,834	19,956,353
East	0	0	28,000	11,000	53,000	48,000	110,000	250,000
North	1,716	74,906	1,501,000	231,000	0	4,000	0	1,736,000
Northeast	1,347	68,197	216,000	596,000	0	0	0	812,000
Northwest	1,231,676	1,308,637	1,071,000	0	0	0	0	1,071,000
Southeast	515,954	1,354,696	1,043,000	1,328,000	427,000	0	0	2,798,000
Southwest	993,185	1,025,796	3,514,000	4,948,000	11,653,000	5,354,000	0	25,469,000
Undefined	48,299	1,505,203	6,201,430	5,108,000	6,398,519	1,725,000	1,575,000	21,007,949
Total Legislative, Administrative and Sup-	2,792,177	5,337,435	18,822,830	15,759,367	23,892,420	11,975,121	5,964,439	76,414,177
Total City Capital Plan	**$386,724,536**	**$267,780,552**	**$308,899,719**	**$219,875,144**	**$255,187,968**	**$262,848,819**	**$248,361,453**	**$1,295,173,103**

Capital Improvement Plan — Citywide Summary

OPERATING AND MAINTENANCE COSTS

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

Service Area		Revised	Adopted	Capital Plan				
Fund Group	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5-Year Total**
Public Safety								
Fire Bureau	0	0	0	0	0	0	0	0
Total Public Safety	0	0	0	0	0	0	0	0
Parks, Recreation and Culture								
Parks and Recreation	0	488,362	488,362	1,342,762	2,185,662	3,212,462	4,707,962	11,937,210
Total Parks, Recreation and Culture	0	488,362	488,362	1,342,762	2,185,662	3,212,462	4,707,962	11,937,210
Public Utilities								
Bureau of Environmental Services	0	325,000	325,000	1,486,600	1,526,020	1,639,420	1,495,110	6,472,150
Water Bureau	0	0	0	0	0	0	0	0
Total Public Utilities	0	352,000	325,000	1,486,600	1,526,020	1,639,420	1,495,110	6,472,150
Transportation and Parking								
Office of Transportation	0	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	20,000,000
Total Transportation and Parking	0	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	20,000,000
Legislative, Administrative and Support								
Office of Management & Finance	0	0	0	0	0	0	0	0
Total Legislative, Administrative and Sup-	0	0	0	0	0	0	0	0
Total City Capital Plan	**$ 0**	**$ 4,813,362**	**$ 4,813,362**	**$ 6,829,362**	**$ 7,711,682**	**$ 8,851,882**	**$ 10,203,072**	**$ 38,409,360**


CITY OF PORTLAND, OREGON
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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, and the Bureau of Police.

Bureau of Fire, Rescue, and Emergency Services

Portland Fire and Rescue's (PF&R) FY 2005-06 capital improvement budget includes a fire apparatus replacement project totaling $1,515,700. PF&R also pays BES $35,000 for the Linnton training site cleanup. In addition, several projects funded from the Fire general obligation bond are managed by the Office of Management and Finance.

Bureau of Police

The Portland Police Bureau received $80,000 from the General Fund Capital Set-Aside in FY 2005-06 for a new bomb robot.

Office of Management and Finance

Public safety projects administered by the Office of Management and Finance (OMF) are shown in the Legislative, Administtrative, and Support service area.

Capital Improvement Plan — Public Safety

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area within each bureau in this Service Area.

Service Area		Revised	Adopted	Capital Plan				
Geographic Area	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5–Year Total**
Public Safety								
Fire Bureau								
All Areas	978,800	1,021,956	1,041,373	1,041,373	1,041,373	1,041,373	1,041,373	5,206,865
North	0	0	0	0	0	0	0	0
Total Fire Bureau	978,800	1,021,956	1,041,373	1,041,373	1,041,373	1,041,373	1,041,373	5,206,865
Total Public Safety	**$ 978,800**	**$ 1,021,956**	**$ 1,041,373**	**$ 1,041,373**	**$ 1,041,373**	**$ 1,041,373**	**$ 1,041,373**	**$ 5,206,865**

Capital Improvement Plan — Public Safety

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Public Safety								
Fire Bureau								
Emergency Response								
Apparatus Replacement	978,800	1,021,956	1,041,373	1,041,373	1,041,373	1,041,373	1,041,373	5,206,865
Linnton Oil Fire Training Ground	0	0	0	0	0	0	0	0
Total Emergency Response	978,800	1,021,956	1,041,373	1,041,373	1,041,373	1,041,373	1,041,373	5,206,865
Total Fire Bureau	978,800	1,021,956	1,041,373	1,041,373	1,041,373	1,041,373	1,041,373	5,206,865
Total Public Safety	**$ 978,800**	**$ 1,021,956**	**$ 1,041,373**	**$ 1,041,373**	**$ 1,041,373**	**$ 1,041,373**	**$ 1,041,373**	**$ 5,206,865**


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Bureau of Fire, Rescue & Emergency Services
Overview and Financial Tables

Bureau Summary

CIP Highlights

Portland Fire & Rescue (PF&R) includes two projects in its FY 2005-06 capital improvement plan. Apparatus replacement is an ongoing need for PF&R, and the Adopted Budget includes $1.5 million for this purpose. The Linnton training site cleanup is funded at $35,000.

Major Issues

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

PF&R's 15-year or 100,000-mile replacement standard for frontline apparatus is comparable to neighboring or like-size fire departments along the West Coast. Our experience shows that older apparatus have higher maintenance costs. More critically, older apparatus have a higher probability of breakdown during emergency responses.

Changes from Prior Year

The $1.0 million appropriation for apparatus replacement is ongoing. A one-time appropriation of $509,327 from the General Fund Capital Set-Aside brings the total funding to $1.5 million.

Strategic Direction

Council Goals and Priorities

PF&R's capital projects support the City goal of ensuring a safe and peaceful community.

City Comprehensive Plan

The projects do not address the City's Comprehensive Plan.

Capital Planning & Budgeting

Capital Planning Process

PF&R's capital planning process is inclusive. In early November 2004, the PF&R Core Leadership Team (Core) established the strategic direction, major initiatives, and CIP budget process for FY 2005-06. In December, Core communicated the strategic direction, major initiatives, and CIP budget process to the executive staff, labor/management committee, and PF&R employees. Core also sent out memos to the above stakeholders to ask for recommendations on specific CIP requests.

Financial Forecast Overview

The apparatus replacement project is part of a 15-year replacement plan, which was developed to achieve the 15-year or 100,000-mile apparatus replacement objective. It is assumed that an individual apparatus's average annual mileage would remain constant for the next 15 years and apparatus purchase prices would increase 3% a year. Given these assumptions, the average annual cost to achieve the replacement schedule is $1.8 million over the next 15 years.

Asset Management and Replacement Plans

The FY 2005-06 apparatus replacement project is included in PF&R's 15-year apparatus replacement plan.

CAPITAL PROGRAMS & PROJECTS

Program and Project Description

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

Funding Sources

Because apparatus replacement is an ongoing need, this project is funded by recurring General Fund discretionary resources. In addition, both projects receive support from the Capital Set-Aside.

Net Operating and Maintenance Costs or Savings

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

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

Capital Improvement Plan — Bureau of Fire, Rescue & Emergency Svs

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area within each bureau in this Service Area.

Service Area		Revised	Adopted	Capital Plan				
Geographic Area	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5–Year Total**
Fire Bureau								
All Areas	978,800	1,121,956	1,515,700	1,041,373	1,041,373	1,041,373	1,041,373	5,681,192
North	35,000	35,000	35,000	0	0	0	0	35,000
Total Fire Bureau	**$ 1,013,800**	**$ 1,156,956**	**$ 1,550,700**	**$ 1,041,373**	**$ 1,041,373**	**$ 1,041,373**	**$ 1,041,373**	**$ 5,716,192**

Capital Improvement Plan — Bureau of Fire, Rescue & Emergency Svs

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Fire Bureau								
Emergency Response								
Apparatus Replacement	978,800	1,121,956	1,515,700	1,041,373	1,041,373	1,041,373	1,041,373	5,681,192
Linnton Oil Fire Training Ground	35,000	35,000	35,000	0	0	0	0	35,000
Total Emergency Response	1,013,800	1,156,956	1,550,700	1,041,373	1,041,373	1,041,373	1,041,373	5,716,192
Total Fire Bureau	**$ 1,013,800**	**$ 1,156,956**	**$ 1,550,700**	**$ 1,041,373**	**$ 1,041,373**	**$ 1,041,373**	**$ 1,041,373**	**$ 5,716,192**

Emergency Response

Apparatus Replacement

Area: ALL

Objective(s): Maintenance

Project Description

This project provides for the replacement of fire apparatus in accordance with Portland Fire & Rescue's apparatus replacement plan, which is in line with plans of comparable fire jurisdictions in terms of the life of apparatus. PF&R intends to replace frontline fire engines and trucks after 15 years or 100,000 miles and puts them in reserve status for an additional five years. Extending the life of apparatus would increase maintenance/repair costs and increase the chances of breakdown or malfunction during emergency responses. Due to repeated budget reductions in recent years, PF&R has not been able to maintain the 15-year or 100,000-mile replacement plan. The bureau is now two years, or four engines and one truck, behind in the replacement schedule. Apparatus replacement is an ongoing need. In FY 2005-06, the PF&R operating budget includes $1,041,373 for apparatus replacement. However, this appropriation is insufficient to meet PF&R's apparatus replacement needs. PF&R received an additional $474,327 from the General Fund Capital-Set-Aside for apparatus replacement. The combined budget of $1,515,700 will be used to purchase four fire engines.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Discretionary Rev - Ongoing	978,800	1,021,956	1,041,373	1,041,373	1,041,373	1,041,373	1,041,373	5,206,865
Discretionary Rev - One Time	0	100,000	474,327	0	0	0	0	474,327
Total Funding Sources	978,800	1,121,956	1,515,700	1,041,373	1,041,373	1,041,373	1,041,373	5,681,192
Operating & Maintenance Costs			0	0	0	0	0	0

Linnton Oil Fire Training Ground

Area: N

Objective(s): Mandated

Project Description

Linnton is an area in northwest Portland that Portland firefighters used for many years to conduct training through burning drills. During those drills, 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 the Oregon Department of Environmental Quality to clean up the site. Fire has since spent over $1 million in CIP dollars bringing soils to acceptable levels but was unable to prevent the contamination at the water line, which undoubtedly contributed to river contamination. 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 activities are mandated by the U.S. Environmental Protection Agency, and they will continue for many years to come. It is anticipated that Fire's portion of the costs will be $35,000 for the next five years, at a minimum.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Discretionary Rev - One Time	35,000	35,000	35,000	0	0	0	0	35,000
Total Funding Sources	35,000	35,000	35,000	0	0	0	0	35,000
Operating & Maintenance Costs			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 includes a total of about $18.8 million for capital projects in FY 2005-06. More than $63.4 million is planned for the FY 2006-10 CIP. The Office of Management and Finance's Spectator Facilities Operating Fund also includes parks related capital projects.

Portland Parks and Recreation

The Portland Parks and Recreation FY 2005-06 CIP includes $7.3 million in Acquisitions, $6.8 million in Facilities, $3.5 million in Parks, and lesser amounts in Aquatics, Golf, and Natural Areas.

Capital Improvement Plan — Parks, Recreation, and Culture

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area within each bureau in this Service Area.

Service Area		Revised	Adopted	Capital Plan				
Geographic Area	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5–Year Total**
Parks, Recreation and Culture								
Parks and Recreation								
All Areas	59,900	1,743,520	7,626,158	3,231,115	4,577,115	4,217,115	3,027,115	22,678,618
Central City	524,985	78,692	604,967	4,750,000	1,201,000	0	3,000,000	9,555,967
East	456,903	1,396,625	1,240,917	5,937,000	0	0	0	7,177,917
North	773,183	916,135	6,095,353	1,000,000	520,000	2,876,376	50,000	10,541,729
Northeast	769,203	3,082,068	472,838	181,644	0	0	200,000	854,482
Northwest	1,721,485	324,523	578,883	400,000	492,000	0	0	1,470,883
Southeast	440,176	2,740,564	2,130,550	1,830,000	2,017,000	3,448,000	510,000	9,935,550
Southwest	1,177,567	2,298,776	51,802	1,160,000	0	0	0	1,211,802
Total Parks and Recreation	5,923,402	12,580,903	18,801,468	18,489,759	8,807,115	10,541,491	6,787,115	63,426,948
Total Parks, Recreation and Culture	**$ 5,923,402**	**$ 12,580,903**	**$ 18,801,468**	**$ 18,489,759**	**$ 8,807,115**	**$ 10,541,491**	**$ 6,787,115**	**$ 63,426,948**

Capital Improvement Plan — Parks, Recreation, and Culture

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 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5–Year Total**
Parks, Recreation and Culture								
Parks and Recreation								
Acquisitions								
Acquisition - Killingsworth site	381,847	125,000	0	0	0	0	0	0
Acquisition SDC-Community Parks	0	400,000	0	50,000	1,500,000	1,500,000	0	3,050,000
Acquisition SDC-Natural Areas	0	0	0	0	25,000	25,000	25,000	75,000
Acquisition SDC-Neighborhood Pks	0	0	400,000	300,000	250,000	0	0	950,000
Acquisition SDC-Trails	0	50,000	50,000	0	25,000	25,000	25,000	125,000
Acquistion-Park Opportunity	0	45,203	50,000	50,000	50,000	50,000	50,000	250,000
SDC Bonds & Grants	0	902,230	963,225	963,225	963,225	963,225	963,225	4,816,125
SDC Common Costs	0	0	5,444,933	1,403,890	1,403,890	1,403,890	1,403,890	11,060,493
Washington Monroe Acquisition	0	2,000,000	390,550	1,000,000	1,000,000	1,000,000	0	3,390,550
Total Acquisitions	381,847	3,522,433	7,298,708	3,767,115	5,217,115	4,967,115	2,467,115	23,717,168
Aquatics								
Dishman Pool Renovations	0	0	0	93,600	0	0	200,000	293,600
East Portland CC Pool	27,863	184,348	300,000	5,937,000	0	0	0	6,237,000
Wilson Pool Renovation	418,814	2,242,609	1,802	0	0	0	0	1,802
Total Aquatics	446,677	2,426,957	301,802	6,030,600	0	0	200,000	6,532,402
Facilities								
Hillside CC Fire	893,297	0	200,000	400,000	400,000	0	0	1,000,000
McCall's Restaurant	486,171	0	0	0	0	0	0	0
Parks Maintenance Facility	16,330	0	1,090,000	830,000	830,000	830,000	510,000	4,090,000
University Park CC Ph. III	604,675	92,174	4,863,000	0	0	0	0	4,863,000
University Park CC Phase II	46,238	520,715	650,000	0	0	0	0	650,000
Washington Park Restroom	0	0	0	0	92,000	0	0	92,000
Total Facilities	2,046,711	612,889	6,803,000	1,230,000	1,322,000	830,000	510,000	10,695,000
Golf								
Golf Small CIP Projects	0	0	200,000	200,000	200,000	200,000	200,000	1,000,000
Rose City Golf Course Irrigation	277,386	2,800,000	0	0	0	0	0	0
Total Golf	277,386	2,800,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Natural Areas								
Columbia South Shore Trail Improvements	48,845	25,000	240,000	0	0	0	0	240,000
Kelley Point Park Canoe Launch	0	0	222,353	0	0	0	0	222,353
Marine Drive Trail Gaps	0	0	0	0	135,000	1,651,000	0	1,786,000
Oaks Bottom Trail	12,994	89,000	0	0	0	0	0	0
Red Electric Feasibility Study	68,598	33,000	0	0	0	0	0	0
Springwater Corridor - Sellwood Gap	0	0	0	0	187,000	1,618,000	0	1,805,000
Springwater Corridor - Three Bridges	96,758	436,608	150,000	0	0	0	0	150,000
Springwater Corridor Repaving	0	0	80,000	0	0	0	0	80,000
Swan Island Waud Bluff Trail	0	0	0	0	135,000	1,175,376	0	1,310,376
Total Natural Areas	227,195	583,608	692,353	0	457,000	4,444,376	0	5,593,729
Parks								
Ankeny Plaza	0	0	0	0	100,000	0	0	100,000
Cathedral Park Parking Lot	0	0	85,000	0	0	0	0	85,000
Centennial Mills	0	0	0	0	0	0	3,000,000	3,000,000
Columbia Children's Arboretum	0	0	50,000	950,000	0	0	0	1,000,000
Dawson Park Lighting	0	52,000	0	0	0	0	0	0
Dickenson Park Playground	0	0	0	160,000	0	0	0	160,000
Earl Boyles Park	0	20,000	300,000	0	0	0	0	300,000
East Holladay Park Parking Lot	13,901	75,000	0	0	0	0	0	0
Eastmoreland Garden	793	86,956	0	0	0	0	0	0
Eastridge Park	0	0	200,000	0	0	0	0	200,000
Fernhill Park Rehabilitation	0	0	87,838	88,044	0	0	0	175,882
Forest Heights Park	300,393	7,639	0	0	0	0	0	0
Gateway Urban Renewal District	36,929	15,000	0	0	0	0	0	0
Holly Farm	0	0	50,000	1,000,000	0	0	0	1,050,000
Irving Park Sports Field Renovat	0	7,068	145,000	0	0	0	0	145,000

Capital Improvement Plan — Parks, Recreation, and Culture

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Irving Park Water Feature	10,295	35,000	0	0	0	0	0	0
Kelley Point Park Trails	87,072	44,000	0	0	0	0	0	0
Lead Paint - Playgrounds	0	0	50,000	50,000	50,000	50,000	50,000	250,000
Lents Park (Little League)	3,653	400,000	647,917	0	0	0	0	647,917
Lents Park Sidewalk Improvements	0	85,615	0	0	0	0	0	0
Lents Urban Renewal Planning &	371,955	76,662	50,000	0	0	0	0	50,000
Mt. Scott Pool Replastering	0	0	163,000	0	0	0	0	163,000
Mt. Tabor Reservoirs	313,301	108,000	0	0	0	0	0	0
North Interstate Urban Renewal	35,198	89,246	75,000	0	0	0	0	75,000
North Park Square	828,188	324,523	278,883	0	0	0	0	278,883
O'Bryant Square Master Plan and	0	30,000	4,967	0	1,101,000	0	0	1,105,967
Parks Play Structures	29,950	173,043	208,000	214,000	110,000	0	0	532,000
Path Repair - Gabriel & Grant Parks	0	0	0	0	0	0	100,000	100,000
Patton Square Master Plan	0	40,000	150,000	0	0	0	0	150,000
Raymond Park	53,432	650,000	0	0	0	0	0	0
Restrooms - Columbia Park	0	0	0	0	0	0	60,000	60,000
River District Neighborhood Park	0	0	350,000	3,000,000	0	0	0	3,350,000
Road Repair Master Project	0	0	0	0	0	0	100,000	100,000
Skateboard Parks	29,950	173,044	260,000	0	0	0	0	260,000
South Park Block 5	38,814	48,692	250,000	1,750,000	0	0	0	2,000,000
South Waterfront Greenway	389,762	15,528	0	0	0	0	0	0
Tennis Courts Master Project	0	0	0	0	0	0	50,000	50,000
Trenton Park Playground	0	78,000	0	0	0	0	0	0
Washington Park Master Plan	0	0	100,000	0	0	0	0	100,000
Total Parks	2,543,586	2,635,016	3,505,605	7,212,044	1,361,000	50,000	3,360,000	15,488,649
Portland International Raceway								
PIR Irrigation	0	0	0	50,000	50,000	50,000	50,000	200,000
PIR Water Quality Swales/Filters	0	0	0	0	200,000	0	0	200,000
Total Portland International Raceway	0	0	0	50,000	250,000	50,000	50,000	400,000
Total Parks and Recreation	5,923,402	12,580,903	18,801,468	18,489,759	8,807,115	10,541,491	6,787,115	63,426,948
Total Parks, Recreation and Culture	**$ 5,923,402**	**$ 12,580,903**	**$ 18,801,468**	**$ 18,489,759**	**$ 8,807,115**	**$ 10,541,491**	**$ 6,787,115**	**$ 63,426,948**

Portland Parks and Recreation
Overview and Financial Tables

BUREAU SUMMARY

Bureau Mission

Portland Parks and Recreation (PP&R) contributes to the City's vitality by:

- Establishing and safeguarding the parks, natural resources, and urban forest that are the soul of the city, ensuring that green spaces are accessible to all;
- Developing and maintaining excellent facilities and places for public recreation and building community through play, relaxation, gathering and solitude;
- Providing and coordinating recreation services and programs that contribute to the health and wellbeing of residents of all ages and abilities.

CIP Highlights

Portland Parks & Recreation has over $835 million worth of capital assets not including land it owns. PP&R owns or manages more than 10,000 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.

The Portland Parks & Recreation CIP is built on three strategic goals:

1) Restore failing infrastructure, and maintain existing parks and buildings in the best condition possible;

2) Expand the system through park development and land acquisition in an effort to keep pace 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 gap between diminishing capital funding and the expanding backlog of deferred capital maintenance needs in parks, buildings, and maintenance facilities. The system-wide need to repair failing and often unsafe infrastructure continues to require substantial annual capital investment.

Research on annual capital maintenance costs for a system the size of PP&R revealed that an annual allocation of $4 to $5 million would be the minimum level of support needed to gradually bridge a $16 million annual funding gap. A dependable annual revenue stream for capital is of importance in rebuilding the parks system infrastructure.

Changes from Prior Year

In late 2004, under new leadership, Parks began a major bureau reorganization in an effort to increase efficiency, reduce and streamline costs, and set clear service priorities. While this effort will set a new direction for the bureau, the majority of PP&R's financial challenges remain. Effort has shifted to search for alternative funding sources. Columbia Sportswear's donation of a 10 year annual maintenance endowment to Willamette Park, Nike's continued sponsorship, Freightliner's recent support of the Summer Concert Series, and Tom Moyer's generous donation of land and cash toward the development of South Park Block 5 are examples of the effort underway to address Parks' financial challenges creatively and through community and corporate partnerships.

However, the need for new maintenance facilities and replacement of fundamental failing infrastructure like paths, roads, play equipment, sports courts, restrooms, stadiums, and historical and cultural facilities still looms. Some of these items have very large price tags. Replacement maintenance facilities for deteriorated Mt. Tabor Yard are estimated to cost upwards of $15 million (without land purchase). The purchase of Washington Monroe High School for a future community center site requires an additional $3.5 million in five-year debt. The financial challenges confronting Parks are genuine and substantial.

Major Maintenance projects in the FY 2005-10 CIP

FY 2005-06 is the halfway point of the five year voter-approved Parks Levy. The levy funded deferred maintenance for key facilities like Wilson Pool, University Park Community Center, and heavily used sports fields and deteriorating playgrounds. However, the Levy only begins to address the long list of deferred maintenance needs. A separate long-term approach to overall deferred maintenance is needed.

The FY 2005-06 Adopted Budget includes an additional $1,000,748 in one-time General Fund resources to begin to address the multi-million dollar Parks facility maintenance backlog. This additional funding will allow the bureau to fix the highly used Mt. Scott and Dishman pools in FY 2005-06.

New projects in the 2005-10 CIP

- Parks and the Portland Development Commission (PDC) will begin a master planning process for the River District Neighborhood Park. Tanner Creek Park will open in summer 2005.
- Master plans are being completed for Earl Boyles in East Portland, Errol Heights in Southeast Portland and Patton Square in North Portland. If PDC funding allows, the Patton and Earl Boyles parks may be developed in the next few years.
- Eastridge Park and Holly Farm will begin early phased development.
- South Park Block 5 in downtown will be designed and built with funding from PDC and Tom Moyer.
- Three key trail projects - Waud Bluff, Springwater Gap, and Marine Drive - have received large federal construction grants. These projects will fill major gaps in the 40 Mile Loop trail system.
- The canoe launch at Kelley Point Park will be built with federal grant money and support from the Port of Portland.
- Lents and Interstate urban renewal areas continue to make improvements to parks in their districts by adding lighting and improving fields, playgrounds, and pedestrian access.
- Sections of the South Waterfront Greenway will be built as new construction in the district occurs.

STRATEGIC DIRECTION

Council Goals and Priorities

Parks' CIP has emphasized repair and maintenance of capital assets. In addition PP&R, with Systems Development Charges (SDCs) and both private and public partners, is providing open space and recreation facilities in growing neighborhoods (River District, Interstate, Gateway, Lents, South Waterfront). Unfortunately, bureau financial limitations have hindered land acquisition and development of parks in existing neighborhoods that are currently park-deficient. Trails, however, have proved a popular recreation venue where grant money can be well spent for long-term user benefits.

City Comprehensive Plan

Much of the new park development in recent years has been generated through urban renewal funding. Adopted Community and Neighborhood plans also guide planning for park and recreation facilities. PP&R capital projects address new vision efforts such as River Renaissance and broader Bureau of Environmental Service (BES) watershed planning efforts. Parks is not currently part of the City's Public Facilities Plan but will be included in the 2008 edition.

Management Direction

Parks Vision 2020 was adopted in 2001. Parks 2020 guides the bureau in accomodating 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. Balancing immediate capital needs (fixing existing assets) and long range capital needs (growing the system) is a major undertaking for Parks due to limited financial resources. Although funding is often more readily available for new construction and expansion of the system, repair of critical service infrastructure will also be the focus of grant writing and corporate and community partnership efforts.

Capital Planning & Budgeting

Capital Planning Process

In an effort to address a deficiency of information about Parks' assets and capital needs the bureau has made significant progress in setting up an asset management system. The new system will reconstruct the inventory database and tracking system to create a long-range asset program that will support the capital planning process .

Unlike dedicated-revenue bureaus, Parks does not have the luxury of long-range capital planning with fixed revenue horizons. With the shortage of funding, the tendency has been to respond to emergencies and immediate needs rather than to get ahead of the problem with adequate preventative maintenance. The asset management system will help direct capital funding to areas of greatest need and provide a regular schedule for preventative maintenance.

Asset Management and Replacement Plans

Parks has identified an annual funding gap of $16 million for its backlog of capital maintenance projects. A stable $4 to 5 million dollars of annual capital funding would begin to bridge the gap. However, the estimates for major maintenance improvements do not include funding for much larger scale multi-million dollar projects like the serious code upgrades that are required at Community Music Center, Mt. Tabor Annex or Multnomah Arts Center or the major structural restoration of Pittock Mansion. There will always be a need for Parks to find supplemental funding sources to support capital improvements.

Capital Programs & Projects

Program Description

PP&R's CIP selects projects using two primary capital objectives: fixing the system and growing the system. Due to the limited availability of General Fund Capital Set-Aside, PP&R must be opportunistic in its capital planning process. Parks staff are very creative and can cobble together funding from multiple sources for their projects. In the last few years, the limited General Fund capital set aside has become a key resource for matching outside grant sources. This has enabled the bureau to leverage dollars for projects that would otherwise have gone unfunded. With the decline in city capital dollars, PP&R has successfully shifted internal staff resources toward grant writing and resource development/ partnership efforts.

Funding Sources

The larger funding sources for Parks' capital program come from the Parks Local Option Levy; PDC tax increment financing; state and federal grants, Portland Parks Trust fund; System Development Charges (SDC); some corporate/private sponsorships; interagency contracts with Metro, BES, and the Water Bureau; and the General Fund capital set-aside.

The majority of the bureau's capital funding is project-specific. The General Fund, the current Parks Local Option Levy, and the revenues in the Portland Parks Trust Fund provide annual funding sources. In 2004-05, special one-time City funding was provided for Hillside Community Center 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 Portland. An additional $1 million dollars of SDC revenue and $1 in the General Fund was earmarked for purchase of the Washington Monroe High School site. The remaining Washington Monroe funds are still being sought and may require outside financing.

Parks SDC fees were recently increased, and they fund acquisition and park development in growth areas. Golf and PIR capital are financed through their own enterprise funds but they have not been able to make desired improvements due to declining revenues. New business plans and financial strategies for these enterprise funds will be developed to maintain and grow these facilities.

Major Projects by Program

The 2002-07 Parks Local Option Levy capital projects include multi-million dollar renovations to University Park Community Center and Wilson Pool. The levy will also build an indoor pool at East Portland Community Center, two skateboard parks, and contribute to the renovation of O'Bryant Square in downtown.

PDC tax increment financing has provided funding for capital projects in Lents, River District, Interstate, Central City, and South Waterfront urban renewal districts. Federal and state grants have recently funded large projects like Springwater Three Bridges, the Red ElectricTrail Study, the Westmoreland Master Plan, Springwater on the Willamette trail, and Kelley Point Park canoe launch.

Developer partnerships and interagency agreements have been influential in planning South Park Block 5 and South Waterfront Greenway. PDC has provided substantial capital dollars for parkland purchases in the River Distric,t and a new neighborhood park will likely be developed in the next 5 years.

Net Operating and Maintenance Costs or Savings

Demand on the City's park system is increasing, and the condition of its infrastructure is aging. One of the greatest challenges facing PP&R is the increasing cost of operations and maintenance (O&M). While O&M costs can be estimated at the time a project is approved, the bureau consistently absorbs more costs than it can recover. Parks relies on the General Fund as its designated O&M revenue stream. In an effort to ease the burden on the General Fund, Parks is looking closely at O&M cost-saving options, which include better preventative maintenance, greater maintenance efficiencies, service reductions, and even elimination of certain services or facilities.

The Parks Local Option Levy was intended to rebalance a large budget cut in O&M in FY 2002-03. However, ensuing annual budget cuts and the levy compression factor have left the bureau in the same financial situation today that it faced in 2002. In order to address this situation the bureau is forging a new strategic direction, revising its park system plan and developing a new service strategy. One avenue for addressing the backlog of deferred capital maintenance is to sell or lease assets that are no longer a viable part of the bureau's service portfolio. Eventually, the goal is to interconnect PP&R services and assets in a sustainable framework.

Adopted Budget 2005-2006

The FY 2005-06 Adopted Budget approves the following capital projects. The PP&R portfolio of major maintenance and new capital projects totals approximately $18 million.

The Adopted Budget also provided some additional money for Parks capital projects. City Council provided $1 million in one time General Fund discretionary dollars for deferred maintenance projects. Specific projects for 2005-06 will be selected from an existing list of urgent needs that currently totals more than $8,000,000.

City Council also allocated capital set aside funds for skateboard parks. $100,000 was earmarked for rebuilding Pier Park skatepark and another $148,000 was designated for construction of a new skatepark at Glenhaven Park in Northeast Portland.

Capital Improvement Plan — Portland Parks and Recreation

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area within each bureau in this Service Area.

Service Area		Revised	Adopted	Capital Plan				
Geographic Area	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5-Year Total**
Parks and Recreation								
All Areas	59,900	1,743,520	7,626,158	3,231,115	4,577,115	4,217,115	3,027,115	22,678,618
Central City	524,985	78,692	604,967	4,750,000	1,201,000	0	3,000,000	9,555,967
East	456,903	1,396,625	1,240,917	5,937,000	0	0	0	7,177,917
North	773,183	916,135	6,095,353	1,000,000	520,000	2,876,376	50,000	10,541,729
Northeast	769,203	3,082,068	472,838	181,644	0	0	200,000	854,482
Northwest	1,721,485	324,523	578,883	400,000	492,000	0	0	1,470,883
Southeast	440,176	2,740,564	2,130,550	1,830,000	2,017,000	3,448,000	510,000	9,935,550
Southwest	1,177,567	2,298,776	51,802	1,160,000	0	0	0	1,211,802
Total Parks and Recreation	**$ 5,923,402**	**$ 12,580,903**	**$ 18,801,468**	**$ 18,489,759**	**$ 8,807,115**	**$ 10,541,491**	**$ 6,787,115**	**$ 63,426,948**

Capital Improvement Plan — Portland Parks and Recreation

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Parks and Recreation								
Acquisitions								
Acquisition - Killingsworth site	381,847	125,000	0	0	0	0	0	0
Acquisition SDC-Community Parks	0	400,000	0	50,000	1,500,000	1,500,000	0	3,050,000
Acquisition SDC-Natural Areas	0	0	0	0	25,000	25,000	25,000	75,000
Acquisition SDC-Neighborhood Pks	0	0	400,000	300,000	250,000	0	0	950,000
Acquisition SDC-Trails	0	50,000	50,000	0	25,000	25,000	25,000	125,000
Acquistion-Park Opportunity	0	45,203	50,000	50,000	50,000	50,000	50,000	250,000
SDC Bonds & Grants	0	902,230	963,225	963,225	963,225	963,225	963,225	4,816,125
SDC Common Costs	0	0	5,444,933	1,403,890	1,403,890	1,403,890	1,403,890	11,060,493
Washington Monroe Acquisition	0	2,000,000	390,550	1,000,000	1,000,000	1,000,000	0	3,390,550
Total Acquisitions	381,847	3,522,433	7,298,708	3,767,115	5,217,115	4,967,115	2,467,115	23,717,168
Aquatics								
Dishman Pool Renovations	0	0	0	93,600	0	0	200,000	293,600
East Portland CC Pool	27,863	184,348	300,000	5,937,000	0	0	0	6,237,000
Wilson Pool Renovation	418,814	2,242,609	1,802	0	0	0	0	1,802
Total Aquatics	446,677	2,426,957	301,802	6,030,600	0	0	200,000	6,532,402
Facilities								
Hillside CC Fire	893,297	0	200,000	400,000	400,000	0	0	1,000,000
McCall's Restaurant	486,171	0	0	0	0	0	0	0
Parks Maintenance Facility	16,330	0	1,090,000	830,000	830,000	830,000	510,000	4,090,000
University Park CC Ph. III	604,675	92,174	4,863,000	0	0	0	0	4,863,000
University Park CC Phase II	46,238	520,715	650,000	0	0	0	0	650,000
Washington Park Restroom	0	0	0	0	92,000	0	0	92,000
Total Facilities	2,046,711	612,889	6,803,000	1,230,000	1,322,000	830,000	510,000	10,695,000
Golf								
Golf Small CIP Projects	0	0	200,000	200,000	200,000	200,000	200,000	1,000,000
Rose City Golf Course Irrigation	277,386	2,800,000	0	0	0	0	0	0
Total Golf	277,386	2,800,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Natural Areas								
Columbia South Shore Trail Improvements	48,845	25,000	240,000	0	0	0	0	240,000
Kelley Point Park Canoe Launch	0	0	222,353	0	0	0	0	222,353
Marine Drive Trail Gaps	0	0	0	0	135,000	1,651,000	0	1,786,000
Oaks Bottom Trail	12,994	89,000	0	0	0	0	0	0
Red Electric Feasibility Study	68,598	33,000	0	0	0	0	0	0
Springwater Corridor - Sellwood Gap	0	0	0	0	187,000	1,618,000	0	1,805,000
Springwater Corridor - Three Bridges	96,758	436,608	150,000	0	0	0	0	150,000
Springwater Corridor Repaving	0	0	80,000	0	0	0	0	80,000
Swan Island Waud Bluff Trail	0	0	0	0	135,000	1,175,376	0	1,310,376
Total Natural Areas	227,195	583,608	692,353	0	457,000	4,444,376	0	5,593,729
Parks								
Ankeny Plaza	0	0	0	0	100,000	0	0	100,000
Cathedral Park Parking Lot	0	0	85,000	0	0	0	0	85,000
Centennial Mills	0	0	0	0	0	0	3,000,000	3,000,000
Columbia Children's Arboretum	0	0	50,000	950,000	0	0	0	1,000,000
Dawson Park Lighting	0	52,000	0	0	0	0	0	0
Dickenson Park Playground	0	0	0	160,000	0	0	0	160,000
Earl Boyles Park	0	20,000	300,000	0	0	0	0	300,000
East Holladay Park Parking Lot	13,901	75,000	0	0	0	0	0	0
Eastmoreland Garden	793	86,956	0	0	0	0	0	0
Eastridge Park	0	0	200,000	0	0	0	0	200,000
Fernhill Park Rehabilitation	0	0	87,838	88,044	0	0	0	175,882
Forest Heights Park	300,393	7,639	0	0	0	0	0	0
Gateway Urban Renewal District	36,929	15,000	0	0	0	0	0	0
Holly Farm	0	0	50,000	1,000,000	0	0	0	1,050,000
Irving Park Sports Field Renovat	0	7,068	145,000	0	0	0	0	145,000
Irving Park Water Feature	10,295	35,000	0	0	0	0	0	0

Capital Improvement Plan — Portland Parks and Recreation

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Kelley Point Park Trails	87,072	44,000	0	0	0	0	0	0
Lead Paint - Playgrounds	0	0	50,000	50,000	50,000	50,000	50,000	250,000
Lents Park (Little League)	3,653	400,000	647,917	0	0	0	0	647,917
Lents Park Sidewalk Improvements	0	85,615	0	0	0	0	0	0
Lents Urban Renewal Planning &	371,955	76,662	50,000	0	0	0	0	50,000
Mt. Scott Pool Replastering	0	0	163,000	0	0	0	0	163,000
Mt. Tabor Reservoirs	313,301	108,000	0	0	0	0	0	0
North Interstate Urban Renewal	35,198	89,246	75,000	0	0	0	0	75,000
North Park Square	828,188	324,523	278,883	0	0	0	0	278,883
O'Bryant Square Master Plan and	0	30,000	4,967	0	1,101,000	0	0	1,105,967
Parks Play Structures	29,950	173,043	208,000	214,000	110,000	0	0	532,000
Path Repair - Gabriel & Grant Parks	0	0	0	0	0	0	100,000	100,000
Patton Square Master Plan	0	40,000	150,000	0	0	0	0	150,000
Raymond Park	53,432	650,000	0	0	0	0	0	0
Restrooms - Columbia Park	0	0	0	0	0	0	60,000	60,000
River District Neighborhood Park	0	0	350,000	3,000,000	0	0	0	3,350,000
Road Repair Master Project	0	0	0	0	0	0	100,000	100,000
Skateboard Parks	29,950	173,044	260,000	0	0	0	0	260,000
South Park Block 5	38,814	48,692	250,000	1,750,000	0	0	0	2,000,000
South Waterfront Greenway	389,762	15,528	0	0	0	0	0	0
Tennis Courts Master Project	0	0	0	0	0	0	50,000	50,000
Trenton Park Playground	0	78,000	0	0	0	0	0	0
Washington Park Master Plan	0	0	100,000	0	0	0	0	100,000
Total Parks	2,543,586	2,635,016	3,505,605	7,212,044	1,361,000	50,000	3,360,000	15,488,649
Portland International Raceway								
PIR Irrigation	0	0	0	50,000	50,000	50,000	50,000	200,000
PIR Water Quality Swales/Filters	0	0	0	0	200,000	0	0	200,000
Total Portland International Raceway	0	0	0	50,000	250,000	50,000	50,000	400,000
Total Parks and Recreation	**$ 5,923,402**	**$ 12,580,903**	**$ 18,801,468**	**$ 18,489,759**	**$ 8,807,115**	**$ 10,541,491**	**$ 6,787,115**	**$ 63,426,948**

Acquisitions

Acquisition - Killingsworth site

Area: NE

Objective(s): Expansion

Project Description

Acquisition of 25-acre property that is a former landfill site being remediated by DEQ. It is 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.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
General Fund	381,847	125,000	0	0	0	0	0	0
Total Funding Sources	381,847	125,000	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

Acquisition SDC-Community Parks

Area: ALL

Objective(s): Mandate,

Project Description

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

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Public Works/Utility Charge	0	400,000	0	50,000	1,500,000	1,500,000	0	3,050,000
Total Funding Sources	0	400,000	0	50,000	1,500,000	1,500,000	0	3,050,000
Operating & Maintenance Costs			0	0	0	0	0	0

Acquisition SDC-Natural Areas

Area: ALL

Objective(s): Mandate,

Project Description

fark SDC Funds are earmarked for citywide acquisition of natural areas. Parks has recently acquired a considerable amount of natural areas with SDC funding, including the 48-acre Lakeman Orkney site near OHSU.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Public Works/Utility Charge	0	0	0	0	25,000	25,000	25,000	75,000
Total Funding Sources	0	0	0	0	25,000	25,000	25,000	75,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Acquisition SDC-Neighborhood Pks								
Area:								ALL
Objective(s):								Mandate,
Project Description								
Acquisition of land for neighborhood parks in areas of the city experiencing greatest population growth.								
Funding Sources								
Public Works/Utility Charge	0	0	400,000	300,000	250,000	0	0	950,000
Total Funding Sources	0	0	400,000	300,000	250,000	0	0	950,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Acquisition SDC-Trails								
Area:								ALL
Objective(s):								Mandate,
Project Description								
Citywide acquisition and expansion of trail system to increase capacity in response to population growth.								
Funding Sources								
Public Works/Utility Charge	0	50,000	50,000	0	25,000	25,000	25,000	125,000
Total Funding Sources	0	50,000	50,000	0	25,000	25,000	25,000	125,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Acquistion-Park Opportunity								
Area:								ALL
Objective(s):								Mandate,
Project Description								
This is a general fund to enable acquisition of properties that may become threatened if not purchased when the opportunity arises.								
Funding Sources								
Public Works/Utility Charge	0	45,203	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	0	45,203	50,000	50,000	50,000	50,000	50,000	250,000
Operating & Maintenance Costs			0	0	0	0	0	0

SDC Bonds & Grants

Area: ALL

Objective(s): Expansion

Project Description
Debt retirement for SDC line of credit.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Public Works/Utility Charge	0	902,230	963,225	963,225	963,225	963,225	963,225	4,816,125
Total Funding Sources	0	902,230	963,225	963,225	963,225	963,225	963,225	4,816,125
Operating & Maintenance Costs			0	0	0	0	0	0

SDC Common Costs

Area: ALL

Objective(s): Mandate,

Project Description
SDC provides funds for land acquistions in areas of growth across the city. The SDC program administration costs and debt service are pooled and then listed in this project. This provides clear accoutning of all common costs.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Budgeted Beginning Fund Balance	0	0	4,031,563	0	0	0	0	4,031,563
Public Works/Utility Charge	0	0	1,106,370	1,403,890	1,403,890	1,403,890	1,403,890	6,721,930
Interest on Investments	0	0	7,000	0	0	0	0	7,000
Assessment Payments-Open	0	0	300,000	0	0	0	0	300,000
Total Funding Sources	0	0	5,444,933	1,403,890	1,403,890	1,403,890	1,403,890	11,060,493
Operating & Maintenance Costs			0	0	0	0	0	0

Washington Monroe Acquisition

Area: SE

Objective(s): Expansion

Project Description
PP&R purchased the former Washington Monroe High School site on SE 11th and Stark Street. In the future the property will be developed into a community center with a sports field, following avaialble funding.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
General Fund	0	1,000,000	0	0	0	0	0	0
Public Works/Utility Charge	0	1,000,000	0	0	0	0	0	0
Sale of Capital Assets	0	0	390,550	1,000,000	1,000,000	1,000,000	0	3,390,550
Total Funding Sources	0	2,000,000	390,550	1,000,000	1,000,000	1,000,000	0	3,390,550
Operating & Maintenance Costs			0	0	0	0	0	0

Aquatics

Dishman Pool Renovations

Area: NE

Objective(s): Maintenance,

Project Description

This popular indoor swimming facility is in need of replastering and a major mechanical upgrade. This project will address deterioration of the AC system, ventilation, and an electrical upgrade.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
General Fund	0	0	0	93,600	0	0	200,000	293,600
Total Funding Sources	0	0	0	93,600	0	0	200,000	293,600
Operating & Maintenance Costs			0	0	0	0	0	0

East Portland CC Pool

Area: E

Objective(s): Expansion

Project Description

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

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Parks Local Option Levy	27,863	184,348	300,000	5,937,000	0	0	0	6,237,000
Total Funding Sources	27,863	184,348	300,000	5,937,000	0	0	0	6,237,000
Operating & Maintenance Costs			0	0	0	0	665,730	665,730

Wilson Pool Renovation

Area: SW

Objective(s): Maintenance,

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 FY 2004-05 using Park Local Option 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, and pool shell may be included.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Parks Local Option Levy	418,814	2,242,609	1,802	0	0	0	0	1,802
Total Funding Sources	418,814	2,242,609	1,802	0	0	0	0	1,802
Operating & Maintenance Costs			92,400	92,400	92,400	92,400	92,400	462,000

Facilities

Hillside CC Fire

Area: NW

Objective(s): Maintenance

Project Description

A fire occured at the community center in October 2003. Parks closed the facility to repair the damage and move forward with other repairs to the building. The center needs a new roof, exterior siding, waterproofing, and window replacement to repair and prevent further water damage. Parks borrowed from internal funding sources and requested $600,000 from the General Fund over the next three years to pay back the levy.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Parks Local Option Levy	479,660	0	0	0	0	0	0	0
Special Appropriations	413,637	0	0	0	0	0	0	0
General Fund	0	0	200,000	400,000	400,000	0	0	1,000,000
Total Funding Sources	893,297	0	200,000	400,000	400,000	0	0	1,000,000
Operating & Maintenance Costs			7,700	7,700	7,700	7,700	7	30,807

McCall's Restaurant

Area: CC

Objective(s): Maintenance

Project Description

McCall's Restaurant, located in Waterfront Park, was closed for major maintenance during January and February 2004. Mechanical and electrical upgrades were completed.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Portland Parks Memorial Trust	486,171	0	0	0	0	0	0	0
Total Funding Sources	486,171	0	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

Parks Maintenance Facility

Area: SE

Objective(s): Maintenance,

Project Description

This project will address the need to replace Parks maintenance facilities at East Delta Park (Forestry) and Mt. Tabor Yard (Operations) with one or more facilities. The bureau is weighing options and costs of potential maintenance facility alternatives. The estimate for replacement of the facilities needed exceeds available resources. Additional funding sources will be needed to complete the project. Partial funding of $1 million is available from the Parks Local Option Levy and another $3 million is sought from the General Fund over the next few years. Planning is anticipated in FY 2005-06 and design and construction would follow beginning in 2006.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Parks Local Option Levy	16,330	0	1,090,000	0	0	0	0	1,090,000
General Fund	0	0	0	830,000	830,000	830,000	510,000	3,000,000
Total Funding Sources	16,330	0	1,090,000	830,000	830,000	830,000	510,000	4,090,000
Operating & Maintenance Costs			0	0	0	0	276,000	276,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
University Park CC Ph. III								
Area: N								
Objective(s): Maintenance,								
Project Description								
Phase 3 of the University Park Community Center project will provide a larger, improved gymnasium with locker rooms; new fitness rooms, and a new main entry.								
Funding Sources								
Parks Local Option Levy	604,675	92,174	4,863,000	0	0	0	0	4,863,000
Total Funding Sources	604,675	92,174	4,863,000	0	0	0	0	4,863,000
Operating & Maintenance Costs			0	140,200	140,200	140,200	140,200	560,800

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
University Park CC Phase II								
Area: N								
Objective(s): Maintenance,								
Project Description								
The upgrading of University Park Community Center is being 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 expanded the south wing of the existing community center primarily with funds from a federal grant (UPARR). Phase 3 will construct a new or renovated gym for the community center with funds derived from the Parks Local Option Levy. These three phases implement a facility master plan completed during 1998. This project completed Phase II.								
Funding Sources								
Budgeted Beginning Fund Balance	46,238	520,715	162,500	0	0	0	0	162,500
Federal Grants Fund	0	0	487,500	0	0	0	0	487,500
Total Funding Sources	46,238	520,715	650,000	0	0	0	0	650,000
Operating & Maintenance Costs			51,831	51,831	51,831	51,831	51,831	259,155

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Washington Park Restroom								
Area: NW								
Objective(s): Maintenance,								
Project Description								
As a condition of approval for the construction of the Holocaust Memorial in Washington Park. Parks is required to upgrade ADA access and improve the restroom near the memorial.								
Funding Sources								
General Fund	0	0	0	0	92,000	0	0	92,000
Total Funding Sources	0	0	0	0	92,000	0	0	92,000
Operating & Maintenance Costs			0	0	0	0	0	0

Golf

Golf Small CIP Projects

Area: ALL

Objective(s): Maintenance,

Project Description

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

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Budgeted Beginning Fund Balance	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
Operating & Maintenance Costs			0	0	0	0	0	0

Rose City Golf Course Irrigation

Area: NE

Objective(s): Maintenance,

Project Description

This project constructed a state of the art irrigation system utilizing a RainBird decoder-based system design, replacing the existing MaxiNimbus central control features. This new irrigation system replaced an existing 40+ year old system and provided greater water effciency for the course.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Budgeted Beginning Fund Balance	138,693	1,400,000	0	0	0	0	0	0
Golf Fund	138,693	1,400,000	0	0	0	0	0	0
Total Funding Sources	277,386	2,800,000	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

Natural Areas

Columbia South Shore Trail Improvements

Area: NE

Objective(s): Mandate,

Project Description

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

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Portland Parks Memorial Trust	48,845	25,000	240,000	0	0	0	0	240,000
Total Funding Sources	48,845	25,000	240,000	0	0	0	0	240,000
Operating & Maintenance Costs			0	15,100	15,100	15,100	15,100	60,400

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Kelley Point Park Canoe Launch								
Area:								N
Objective(s):								Expansion
Project Description								
Parks received a grant from Oregon State Parks as well as substantial support from the Port of Portland and a small stipend from the ESA Program to build a canoe/non-motorized boat launch and small parking area near the entrance to the park. The project should be completed by the end of 2006.								
Funding Sources								
Private Grants/Donations	0	0	222,353	0	0	0	0	222,353
Total Funding Sources	0	0	222,353	0	0	0	0	222,353
Operating & Maintenance Costs			0	10,500	10,500	10,500	10,500	42,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Marine Drive Trail Gaps								
Area:								N
Objective(s):								Expansion,
Project Description								
If funded, federal MTIP dollars will be applied to completing several of the remaining gaps in the Marine Drive trail system, which connects the I-205 bike route with Kelley Point Park. Local match is approximately 10% of the grant award.								
Funding Sources								
Public Works/Utility Charge	0	0	0	0	135,000	0	0	135,000
Federal Grants	0	0	0	0	0	1,651,000	0	1,651,000
Total Funding Sources	0	0	0	0	135,000	1,651,000	0	1,786,000
Operating & Maintenance Costs			0	0	0	28,000	28,000	56,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Oaks Bottom Trail								
Area:								SE
Objective(s):								Replacement
Project Description								
The Oaks Bottom Trail connects the parking lot off Milwaukie Ave. to the Springwater Trail using an underpass to cross the railroad tracks. This project renovated, widened, and paved the existing trail to allow safer use. The connector trail was completed in fall 2004.								
Funding Sources								
Local Cost Sharing	12,994	89,000	0	0	0	0	0	0
Total Funding Sources	12,994	89,000	0	0	0	0	0	0
Operating & Maintenance Costs			5,400	5,400	5,400	5,400	5,400	27,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Red Electric Feasibility Study								
Area:	SW							
Objective(s):	Expansion,							
Project Description								
This collaborative study between PP&R, PDOT, and the community evaluated several alternative trail routes between Willamette Park Greenway and Fanno Creek Greenway in Washington County. The study investigated topography, vegetation, existing development, land use/zoning and property ownership conditions. Along most of the route, this study proposed development of existing right-of-way to allow a trail and bike connection. In the final public meeting staff proposed a preferred route with options. A final detailed report and summary will be completed in early 2005.								
Funding Sources								
Budgeted Beginning Fund Balance	68,598	33,000	0	0	0	0	0	0
Total Funding Sources	68,598	33,000	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Springwater Corridor - Sellwood Gap								
Area:	SE							
Objective(s):	Expansion,							
Project Description								
When the Three Bridges trail is completed, the Springwater Corridor will be almost complete with the exception of a one-mile remaining gap from the west side of SE 17th Avenue to SE Umatilla. Metro is seeking funding to acquire the land. The City has submitted an MTIP grant application and requested $1.6 million to complete the project. Local match to federal grants is 10% of the project budget.								
Funding Sources								
Public Works/Utility Charge	0	0	0	0	187,000	0	0	187,000
Federal Grants	0	0	0	0	0	1,618,000	0	1,618,000
Total Funding Sources	0	0	0	0	187,000	1,618,000	0	1,805,000
Operating & Maintenance Costs			0	0	0	28,000	28,000	56,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
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 three pedestrian and bike bridges. The bridge will cross McLoughlin Blvd., cross Union Pacific railroad, and cross Johnson Creek. Project partners are Metro, ODOT, and the City of Milwaukie. Design for the bridges has been selected.The project will be completed by the end of 2006.								
Funding Sources								
Budgeted Beginning Fund Balance	96,758	436,608	0	0	0	0	0	0
Local Cost Sharing	0	0	150,000	0	0	0	0	150,000
Total Funding Sources	96,758	436,608	150,000	0	0	0	0	150,000
Operating & Maintenance Costs			0	144,300	144,300	144,300	144,300	577,200

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Springwater Corridor Repaving								
Area: E								
Objective(s): Maintenance,								
Project Description								
Parks has applied for a grant to Oregon State Parks to repave several miles of the Springwater Corridor Trail in east Portland.								
Funding Sources								
Parks Bureau	0	0	20,000	0	0	0	0	20,000
Private Grants/Donations	0	0	60,000	0	0	0	0	60,000
Total Funding Sources	0	0	80,000	0	0	0	0	80,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Swan Island Waud Bluff Trail								
Area: N								
Objective(s): Expansion,								
Project Description								
A detailed study of trail and pedestrian corridor improvements for the huge employment zone in Swan Island was undertaken in FY 2003-04 in a effort to increase non motorized transportation options. Recommendations for new access were ranked in a more detailed study of alternative routes. Completion of the Waud Bluff Trail from Willamette Blvd. to Swan Island was determined to be a high priority. This project was submitted for MTIP funding. If selected, the project would begin in 2007 and require a 10% city match.								
Funding Sources								
General Fund	0	0	0	0	135,000	0	0	135,000
Federal Grants	0	0	0	0	0	1,175,376	0	1,175,376
Total Funding Sources	0	0	0	0	135,000	1,175,376	0	1,310,376
Operating & Maintenance Costs			0	0	0	28,000	28,000	56,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Parks								
Ankeny Plaza								
Area: CC								
Objective(s): Maintenance,								
Project Description								
BES renovation of Ankeny Pump Station in Waterfront Park will result in a redesign of the park area surrounding the pump station. Ultimately, the plaza design will reflect the concept generated by the Waterfront Park Master Plan. Initially, after the Big Pipe construction is removed, the park area may simply be reseeded and kept open while additional funding is obtained for a full build out of the plaza design.								
Funding Sources								
Environmental Services	0	0	0	0	100,000	0	0	100,000
Total Funding Sources	0	0	0	0	100,000	0	0	100,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Cathedral Park Parking Lot								
Area: N								
Objective(s): Maintenance,								
Project Description								
Parks has received a grant from the BES Wet Weather Program to renovate the stormwater facilities in Cathedral Park. The project will successfully capture and infiltrate stormwater from the boat ramp to reduce flow into the Willamette.								
Funding Sources								
Environmental Services	0	0	85,000	0	0	0	0	85,000
Total Funding Sources	0	0	85,000	0	0	0	0	85,000
Operating & Maintenance Costs			10,000	10,000	10,000	10,000	10,000	50,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Centennial Mills								
Area: CC								
Objective(s): Expansion								
Project Description								
PDC owns the Centennial Mills site on the Willamette River in the River District. City and Parks staff are in the intitial stages of redevelopment planning and preliminary design for the whole site. A riverfront public open space is envisioned at the site.								
Funding Sources								
Local Cost Sharing - Portland	0	0	0	0	0	0	3,000,000	3,000,000
Total Funding Sources	0	0	0	0	0	0	3,000,000	3,000,000
Operating & Maintenance Costs			0	0	0	0	360,000	360,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Columbia Children's Arboretum								
Area: N								
Objective(s): Expansion								
Project Description								
Phase One of this project completed a master plan for the site. Phase Two will begin implementation through design development and construction. The extent of the build-out will be based on funding available.								
Funding Sources								
Private Grants/Donations	0	0	50,000	950,000	0	0	0	1,000,000
Total Funding Sources	0	0	50,000	950,000	0	0	0	1,000,000
Operating & Maintenance Costs			0	40,000	40,000	40,000	40,000	160,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Dawson Park Lighting								
Area: N								
Objective(s): Maintenance,								
Project Description								
New lighting will be added to the interior of Dawson Park to improve safety and visibility from the street.								
Funding Sources								
Local Cost Sharing - Portland	0	52,000	0	0	0	0	0	0
Total Funding Sources	0	52,000	0	0	0	0	0	0
Operating & Maintenance Costs			2,500	2,500	2,500	2,500	2,500	12,500

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Dickenson Park Playground								
Area: SW								
Objective(s): Expansion								
Project Description								
The friends of Dickenson Park have been fundraising for installation of a playground in this undeveloped park. Construction is projected for 2006.								
Funding Sources								
Private Grants/Donations	0	0	0	160,000	0	0	0	160,000
Total Funding Sources	0	0	0	160,000	0	0	0	160,000
Operating & Maintenance Costs			0	8,000	8,000	8,000	8,000	32,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Earl Boyles Park								
Area: SE								
Objective(s): Expansion								
Project Description								
Parks will lead a master planning process for Earl Boyles, a seven-acre undeveloped park. The plan will be completed in FY 2005-06 and first phase construction should begin in FY 2006-07.								
Funding Sources								
Local Cost Sharing - Portland	0	20,000	300,000	0	0	0	0	300,000
Total Funding Sources	0	20,000	300,000	0	0	0	0	300,000
Operating & Maintenance Costs			0	0	33,100	33,100	33,100	99,300

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
East Holladay Park Parking Lot							**Area:**	NE
							Objective(s):	Expansion,
Project Description								
As part of the expanded service of dog off-leash areas, a portion of East Holladay Park will be fenced and a parking area improved to accommodate visitors. Special funding was provided by City Council for FY 2003-04.								
Funding Sources								
Portland Parks Memorial Trust	13,901	0	0	0	0	0	0	0
General Fund	0	75,000	0	0	0	0	0	0
Total Funding Sources	13,901	75,000	0	0	0	0	0	0
Operating & Maintenance Costs			4,100	4,100	4,100	4,100	0	16,400

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Eastmoreland Garden							**Area:**	SE
							Objective(s):	Replace-
Project Description								
The Eastmoreland neighborhood developed a garden in place of a gravel parking lot across from Eastmoreland Golf Course. They have fundraised almost a $100,000 for the project.								
Funding Sources								
Private Grants/Donations	793	86,956	0	0	0	0	0	0
Total Funding Sources	793	86,956	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Eastridge Park							**Area:**	SE
							Objective(s):	Expansion
Project Description								
This undeveloped park property will be designed and developed in phase one using SDC funds.								
Funding Sources								
Public Works/Utility Charge	0	0	200,000	0	0	0	0	200,000
Total Funding Sources	0	0	200,000	0	0	0	0	200,000
Operating & Maintenance Costs			0	40,000	40,000	40,000	40,000	160,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Fernhill Park Rehabilitation								
Area:								NE
Objective(s):								Replace-
Project Description								
Numerous donations and a small amount from the Parks Levy combined to match almost $90,000 from a sports grant to renovate the sports field and the playground at Fernhill Park. Work will take place over two years.								
Funding Sources								
Parks Local Option Levy	0	0	0	11,600	0	0	0	11,600
Private Grants/Donations	0	0	87,838	76,444	0	0	0	164,282
Total Funding Sources	0	0	87,838	88,044	0	0	0	175,882
Operating & Maintenance Costs			0	8,000	8,000	8,000	8,000	32,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Forest Heights Park								
Area:								SW
Objective(s):								Expansion
Project Description								
This project developed 2.93 acres next to Forest Heights School into a small neighborhood park with playground, picnic tables, benches, and drinking fountain. Funding was provided through system development charges.								
Funding Sources								
Budgeted Beginning Fund Balance	300,393	7,639	0	0	0	0	0	0
Total Funding Sources	300,393	7,639	0	0	0	0	0	0
Operating & Maintenance Costs			51,000	51,000	51,000	51,000	49	204,049

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Gateway Urban Renewal District								
Area:								NE
Objective(s):								Expansion
Project Description								
A park planning framework was completed for Gateway. Next steps wil include an economic benefits analysis to determine how open space is affecting property values. This plan willl influence land acquisition and park development in Gateway URA at a later date.								
Funding Sources								
Local Cost Sharing	36,929	15,000	0	0	0	0	0	0
Total Funding Sources	36,929	15,000	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Holly Farm							**Area:**	SW
							Objective(s):	Expansion
Project Description								
The Parks Foundation is raising money for development of the recently acquired Holly Farm property. Project design is underway and construction is anticipated for 2006.								
Funding Sources								
Public Works/Utility Charge	0	0	50,000	1,000,000	0	0	0	1,050,000
Total Funding Sources	0	0	50,000	1,000,000	0	0	0	1,050,000
Operating & Maintenance Costs			0	40,000	40,000	40,000	40,000	160,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Irving Park Sports Field Renovat							**Area:**	NE
							Objective(s):	Maintenance,
Project Description								
Parks received a grant for $72,500 which was matched with Parks Local Option Levy funds. The combined funding renovated the highly used sports fields at Irving Park.								
Funding Sources								
Parks Local Option Levy	0	0	72,500	0	0	0	0	72,500
Private Grants/Donations	0	7,068	72,500	0	0	0	0	72,500
Total Funding Sources	0	7,068	145,000	0	0	0	0	145,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Irving Park Water Feature							**Area:**	NE
							Objective(s):	Replace-
Project Description								
The Irving Neighborhood Association initially raised funds to convert the existing wading pool into an interactive water feature. The final design will require some addiitonal funds to complete the project. Currently that additional funding is being sought.								
Funding Sources								
Portland Parks Memorial Trust	10,295	0	0	0	0	0	0	0
Private Grants/Donations	0	35,000	0	0	0	0	0	0
Total Funding Sources	10,295	35,000	0	0	0	0	0	0
Operating & Maintenance Costs			300	300	300	300	300	1,500

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Kelley Point Park Trails								
Area: N								
Objective(s): Maintenance,								
Project Description								
Funding has been combined from several sources, and a paved trail has been completed in the park and along Columbia Slough as part of the 40-Mile Loop Master Plan. Some additional native plantings will be added along the trail. BES is doing additional native plantings throughout the park, and that work is on-going.								
Funding Sources								
Federal Grants Fund	0	44,000	0	0	0	0	0	0
Local Cost Sharing	87,072	0	0	0	0	0	0	0
Total Funding Sources	87,072	44,000	0	0	0	0	0	0
Operating & Maintenance Costs			6,700	6,700	6,700	6,700	6,700	33,500

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Lead Paint - Playgrounds								
Area: ALL								
Objective(s): Maintenance,								
Project Description								
The Water Bureau has agreed to provide $50,000 per year for five years to address lead paint remediation in the park system playgrounds. This money will cover removal of any lead paint on equipment that exceeds EPA limitations.								
Funding Sources								
Water Bureau	0	0	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	0	0	50,000	50,000	50,000	50,000	50,000	250,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Lents Park (Little League)								
Area: E								
Objective(s): Maintenance,								
Project Description								
The proposed site for the relocation of the Lents Little League is Lents Park. The league will use both Walker Stadium and the exterior softball fields. Lighting will be added, fields upgraded, and the Stadium will undergo some major maintenance. Funding is available from Lents Urban Renewal District. Little League is scheduled to play in Lents Park beginning in 2006.								
Funding Sources								
Local Cost Sharing - Portland	3,653	400,000	647,917	0	0	0	0	647,917
Total Funding Sources	3,653	400,000	647,917	0	0	0	0	647,917
Operating & Maintenance Costs			0	21,000	21,000	21,000	21,000	84,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Lents Park Sidewalk Improvements								
Area: E								
Objective(s): Maintenance,								
Project Description								
This project installed 1900 linear feet of sidewalk at Lents Park as a requirement of a conditional use permit for a soccer field in 1997. The new sidewalk runs along the west side of the park.								
Funding Sources								
Housing & Community Development Fund	0	85,615	0	0	0	0	0	0
Total Funding Sources	0	85,615	0	0	0	0	0	0
Operating & Maintenance Costs			10,000	10,000	10,000	10,000	10,000	50,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Lents Urban Renewal Planning & Development								
Area: E								
Objective(s): Maintenance,								
Project Description								
PDC has contracted with Parks to assist with several planning, design, and implementation projects in the Lents URA. Projects include planning and design for park and trail improvements in the Lents flood plain. Previously Parks and PDC have collaborated on extensive lighting improvements in Lents Park.								
Funding Sources								
Local Cost Sharing - Portland	371,955	76,662	50,000	0	0	0	0	50,000
Total Funding Sources	371,955	76,662	50,000	0	0	0	0	50,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Mt. Scott Pool Replastering								
Area: E								
Objective(s): Maintenance								
Project Description								
The plaster in the both the lap and recreation pools at Mt. Scott has deteriorated, and barefoot users have been cut. The plaster was re-sanded in September 2004 but now must be replaced before the substructure deteriorates.								
Funding Sources								
General Fund	0	0	163,000	0	0	0	0	163,000
Total Funding Sources	0	0	163,000	0	0	0	0	163,000
Operating & Maintenance Costs			0	0	0	0	0	0

		Revised	Adopted	Capital Plan				
	Prior Years	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Mt. Tabor Reservoirs

Area: SE

Objective(s): Maintenance,

Project Description

In April 2004 the Water Bureau's plan to cover the Mt. Tabor reservoirs for protection of the City's water supply was placed on hold by City Council. Initially the reservoir caps were to be redesigned as new park elements. The current plan will leave the existing uncovered reservoirs in place and seek to secure the safety of the water supply in another manner.

Funding Sources								
Water Bureau	313,301	108,000	0	0	0	0	0	0
Total Funding Sources	313,301	108,000	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

		Revised	Adopted	Capital Plan				
	Prior Years	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

North Interstate Urban Renewal

Area: N

Objective(s): Maintenance,

Project Description

Urban renewal funding will provide drainage improvements to Unthank Park, a new playground at Trenton Park, a dike trail feasibility study for Bridgeton, and preliminary design for a wading pool in Peninsula Park. Decisions on FY 2005-06 projects have not yet been made.

Funding Sources								
Local Cost Sharing - Portland	35,198	89,246	75,000	0	0	0	0	75,000
Total Funding Sources	35,198	89,246	75,000	0	0	0	0	75,000
Operating & Maintenance Costs			0	0	0	0	0	0

		Revised	Adopted	Capital Plan				
	Prior Years	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

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. Completion is scheduled for summer 2005.

Funding Sources								
Local Cost Sharing - Portland	828,188	324,523	278,883	0	0	0	0	278,883
Total Funding Sources	828,188	324,523	278,883	0	0	0	0	278,883
Operating & Maintenance Costs			111,900	111,900	111,900	111,900	111,900	559,500

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
O'Bryant Square Master Plan and Renovation								
Area: CC								
Objective(s): Maintenance,								
Project Description								
Planning and design for the renovation of O`Bryant Square will be completed as part of the Parks Local Option Levy. 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, irrigation, and programming for improved safety. Limited funds are currently available, and the site is constrained by being on top of a parking garage.								
Funding Sources								
Parks Local Option Levy	0	30,000	4,967	0	1,101,000	0	0	1,105,967
Total Funding Sources	0	30,000	4,967	0	1,101,000	0	0	1,105,967
Operating & Maintenance Costs			0	0	0	180,000	180,000	360,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Parks Play Structures								
Area: ALL								
Objective(s): Maintenance,								
Project Description								
There are more than 100 play structures in the PP&R park system. An assessment of the safety level and structural condition of current play equipment in the parks and many public schools was completed in 2003. Playground projects funded by the Parks Local Option Levy are based the assessment's determination of greatest need and concern for safety. Not all playground problems can be addressed with available funds. Replacement of the worst wooden play structures will be covered by this money. Lead paint is being addressed through a grant from the Water Bureau.								
Funding Sources								
Parks Local Option Levy	29,950	173,043	208,000	214,000	110,000	0	0	532,000
Total Funding Sources	29,950	173,043	208,000	214,000	110,000	0	0	532,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Path Repair - Gabriel & Grant Parks								
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 to systematically repair the access paths in the worst condition. Top repair candidates include paths in Washington, Mt. Tabor, Grant, Kelley Point, and Gabriel Parks. This will be a multi-year effort.								
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
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Patton Square Master Plan								
Area: N								
Objective(s): Maintenance,								
Project Description								
By the end of 2005 a master plan will be completed for Patton Square in north Portland. Public input will be solicited at public meetings. The master plan is funded by Interstate Urban Renewal District tax increment financing. Depending upon avaiable urban renewal funding the first phase of the master plan implementation will take place in 2006.								
Funding Sources								
Local Cost Sharing - Portland	0	40,000	150,000	0	0	0	0	150,000
Total Funding Sources	0	40,000	150,000	0	0	0	0	150,000
Operating & Maintenance Costs			0	0	21,500	21,500	21,500	64,500

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Raymond Park								
Area: E								
Objective(s): Expansion								
Project Description								
The master plan for Raymond Park was completed in 2002. This undeveloped park in Lents Urban Renewal District was improved through Lents tax increment financing. Construction was completed in July 2004.								
Funding Sources								
Local Cost Sharing - Portland	53,432	650,000	0	0	0	0	0	0
Total Funding Sources	53,432	650,000	0	0	0	0	0	0
Operating & Maintenance Costs			39,400	39,400	39,400	39,400	39,400	197,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Restrooms - Columbia Park								
Area: ALL								
Objective(s): Maintenance,								
Project Description								
Based on a recent user survey, improving the condition of park restrooms is a top priority for park users. The Portland Parks system has 110 restrooms. Only 40 were renovated with the last general obligation bond. In the first year of funding, money will be used to create a systematic plan for annual restroom renovations. The most highly used restrooms in the worst condition will be addressed first. At a glance, the top restroom candidates include Washington Park (North), the Rose Garden, Columbia, Columbia Annex, Farragut, and Mt. Tabor parks.								
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
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
River District Neighborhood Park							**Area:**	CC
							Objective(s):	Expansion
Project Description								
In 2004 this parcel of land was acquired for development of the third River District park. Unlike the other two River District open spaces - Jamison Square and North Park Square, which are urban in nature, this park will be designed with more traditional neighborhood park uses in mind.								
Funding Sources								
Local Cost Sharing - Portland	0	0	350,000	3,000,000	0	0	0	3,350,000
Total Funding Sources	0	0	350,000	3,000,000	0	0	0	3,350,000
Operating & Maintenance Costs			0	0	109,400	109,400	109,400	328,200

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Road Repair Master Project							**Area:**	ALL
							Objective(s):	Maintenance,
Project Description								
The Portland Parks system has an abundance of supporting parking lots, paths, and road infrastructure. It is estimated that PP&R has approximately 1.5 million square feet of asphalt and chip seal surfaces in its bureau-owned properties. This project will first conduct an inventory and condition assessment of Park roads, paths, and parking lots. After this assessment is complete an annual funding plan will be developed to provide a regular maintenance schedule for upgrades and improvements. As in the other system-wide improvement programs, the most hazardous facilities and those in the worst condition will be renovated first.								
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
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Skateboard Parks							**Area:**	ALL
							Objective(s):	Expansion
Project Description								
Using funding from the Parks Local Option Levy, two new skateboard parks are planned for construction within the Parks system. A lengthy site selection process took place in 2004 and narrowed the options to 35 sites prior to finalizing choices for the best regional, district, and skate sites in the system. The new skateparks are scheduled for completion by the end of 2006.								
Funding Sources								
Parks Local Option Levy	29,950	173,044	260,000	0	0	0	0	260,000
General Fund	0	0	0	0	0	0	0	0
Total Funding Sources	29,950	173,044	260,000	0	0	0	0	260,000
Operating & Maintenance Costs			0	117,500	117,500	117,500	117,500	470,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

South Park Block 5

Area: CC

Objective(s): Expansion

Project Description

In partnership with PDC and a generous private donation from Tom Moyer, this project will redevelop Park Block 5 across from the Fox Tower at SW 9th and Yamhill Street. This block 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 has been transferred to the City and preliminary design is underway for the new park.

Funding Sources								
Local Cost Sharing	38,814	48,692	0	0	0	0	0	0
Local Cost Sharing - Portland	0	0	250,000	750,000	0	0	0	1,000,000
Private Grants/Donations	0	0	0	1,000,000	0	0	0	1,000,000
Total Funding Sources	38,814	48,692	250,000	1,750,000	0	0	0	2,000,000
Operating & Maintenance Costs			0	0	226,300	226,300	226,300	678,900

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

South Waterfront Greenway

Area: SW

Objective(s): Expansion,

Project Description

South Waterfront Greenway design is complete. Construction of the greenway will be completed in phases as funding allows. The first phase of greenway construction will occur in 2005. Special improvements along the 1.2 mile stretch of the Willamette Greenway will include pedestrian and bike-only trails, seating, lighting, directional and informational signage, rest stops, viewpoints, plaza area, extensive plantings of native vegetation, interpretation of cultural, historic, wildlife habitats and landscape features. This has been a joint city project funded by ESA, BES, Parks, PDC, and Planning with contributions from adjacent developers.

Funding Sources								
Portland Parks Memorial Trust	0	15,528	0	0	0	0	0	0
Local Cost Sharing	389,762	0	0	0	0	0	0	0
Total Funding Sources	389,762	15,528	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	339,400	339,400	678,800

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Tennis Courts Master Project

Area: ALL

Objective(s): Maintenance,

Project Description

This project will begin a phased effort to provide annual funding for a system wide renovation of tennis courts throughout the city. Priority for renovation will be given to the amount of use and the amount of deterioration at a site. The first year will be focused on a complete condtions assessment of all the courts. Then courts will be prioritized for improvements on an annual basis.

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
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Trenton Park Playground								
Area: N								
Objective(s): Replace-								
Project Description								
As part of the upgrading of parks in the Interstate urban renewal area, a new playground will be built in Trenton Park. This project is funded by both PDC and the Parks LOcal Option Levy and will be completed in 2005.								
Funding Sources								
Parks Local Option Levy	0	38,000	0	0	0	0	0	0
Local Cost Sharing - Portland	0	40,000	0	0	0	0	0	0
Total Funding Sources	0	78,000	0	0	0	0	0	0
Operating & Maintenance Costs			8,400	8,400	8,400	8,400	8,400	42,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Washington Park Master Plan								
Area: NW								
Objective(s): Maintenance,								
Project Description								
Parks Trust Fund has allocated $100,000 dollars to preliminary work on a master plan for Washington Park. Other funding sources will be sought to complete the plan.								
Funding Sources								
Portland Parks Memorial Trust	0	0	100,000	0	0	0	0	100,000
Total Funding Sources	0	0	100,000	0	0	0	0	100,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Portland International Raceway								
PIR Irrigation								
Area: N								
Objective(s): Maintenance,								
Project Description								
The project will install a new irrigation well to serve as irrigation water for the racetrack landscape. It will also install a new irrigation system in the Chalet area, west and east of the track. This is a multi year project.								
Funding Sources								
Budgeted Beginning Fund Balance	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
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
PIR Water Quality Swales/Filters								
Area:								N
Objective(s):								Maintenance,
Project Description								
PIR will continue to address environmental and stormwater issues by building water quality swales and filters to manage runoff.								
Funding Sources								
Budgeted Beginning Fund Balance	0	0	0	0	200,000	0	0	200,000
Total Funding Sources	0	0	0	0	200,000	0	0	200,000
Operating & Maintenance Costs			0	0	0	0	0	0


CITY OF PORTLAND, OREGON
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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) and the Bureau of Water Works. For FY 2005-06, the service area's capital budget totals about $189.8 million, or 61.4% of the total CIP budget. The FY 2006-10 capital plan for the above bureaus is $990.2 million.

Bureau of Environmental Services

BES projects total $137.5 million, comprising 72.4% of the FY 2005-06 Service Area CIP budget. The plan for the five-year CIP planning period is $741.7 million. Environmental Services' projects are budgeted in the following capital programs: Combined Sewer Overflow (CSO), Maintenance and Reliability, Remediation, Sewage Treatment Systems, Surface Water Management, and Systems Development.

Bureau of Water Works

Water projects total $52.3 million and comprise 27.6% of the FY 2005-06 service area CIP budget. The plan for the five-year CIP planning period is $248.5 million. Water's projects are budgeted in the following capital programs: Maintenance and Replacement; Planning, Stewardship, and Sustainability; Response to City Development; Vulnerability Reduction; and Water Quality.

Capital Improvement Plan — Public Utilities

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area within each bureau in this Service Area.

Service Area		Revised	Adopted	Capital Plan				
Geographic Area	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5–Year Total**
Public Utilities								
Bureau of Environmental Services								
Undefined	896,956	5,143,953	4,929,798	0	0	0	0	4,929,579
All Areas	224,975,976	100,627,639	70,026,842	24,935,419	7,992,000	7,647,000	7,747,000	118,348,261
East	5,970,691	8,314,738	25,022,000	64,208,000	123,000,000	123,042,000	123,213,000	458,485,000
North	26,793,571	9,511,033	10,098,657	3,824,000	2,150,000	4,160,000	2,750,000	22,982,657
Northeast	3,684,038	9,098,712	7,257,658	261,539	409,300	2,953,400	4,251,039	15,132,936
Northwest	33,164,496	6,507,700	9,472,657	3,735,000	8,800,000	20,000,000	20,000,000	62,007,657
Southeast	10,818,687	5,847,490	7,695,000	3,417,000	7,863,720	20,046,383	17,515,482	56,537,585
Southwest	2,262,834	1,392,250	2,953,637	300,000	0	0	0	3,253,637
Total Bureau of Environmental Services	308,567,249	146,443,515	137,456,249	100,680,958	150,215,020	177,848,783	175,476,521	741,667,531
Water Bureau								
Undefined	4,747,459	5,024,000	4,399,000	4,866,000	6,137,000	5,029,000	6,844,000	27,275,000
All Areas	13,457,526	26,253,382	34,553,000	30,348,000	26,330,000	29,117,000	27,995,000	148,343,000
Central City	2,660,858	2,477,000	3,455,000	3,105,000	8,905,000	5,905,000	205,000	21,575,000
East	14,890,094	4,878,000	6,665,000	9,716,000	9,311,000	5,368,000	5,060,000	36,120,000
Northeast	13,072,838	3,933,000	2,970,000	4,126,000	4,145,000	1,775,000	1,495,000	14,511,000
Southeast	2,251,780	0	300,000	100,000	100,000	100,000	100,000	700,000
Total Water Bureau	51,080,555	42,565,382	52,342,000	52,261,000	54,928,000	47,294,000	41,699,000	248,524,000
Total Public Utilities	**$359,647,804**	**$189,008,897**	**$189,798,249**	**$152,941,958**	**$205,143,020**	**$225,142,783**	**$217,175,521**	**$990,201,531**

Capital Improvement Plan — Public Utilities

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau / Capital Program / Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Public Utilities								
Bureau of Environmental Services								
Combined Sewer Overflow								
Balch Consolidation Conduit	0	0	1,000,000	1,000,000	5,000,000	5,000,000	5,000,000	17,000,000
Beech-Essex Separation	0	0	0	0	298,000	380,000	3,247,000	3,925,000
California Pump Station Upgrade	1,355,219	689,000	632,637	0	0	0	0	632,637
CBWTP Primary Treatment Expansion	0	0	500,000	314,000	2,000,000	3,800,000	0	6,614,000
CBWTP Wet Weather Capacity	1,195,168	2,400,000	1,888,986	0	0	0	0	1,888,986
CBWTP Wet Weather Headworks	1,984,582	964,000	2,000,000	450,000	0	50,000	2,000,000	4,500,000
Columbia Slough Wet Weather Treatment	19,134,377	3,782,533	1,971,171	0	0	0	0	1,971,171
East CSO Tunnel	3,769,927	5,000,000	18,000,000	61,700,000	121,000,000	121,000,000	121,000,000	442,700,000
Fiber Optic Ring Expansion	0	0	27,500	0	0	0	0	27,500
H/S/S Inflow Control	0	174,212	249,658	126,539	0	0	0	376,197
Portmouth Force Main	1,284,156	1,250,000	1,300,000	1,300,000	100,000	10,000,000	10,000,000	22,700,000
Sellwood Separation	905,933	0	0	355,000	3,000,000	2,206,500	0	5,561,500
Swan Island Pump Station Phase 2	0	0	0	0	0	0	600,000	600,000
Tanner Creek Basin Stream Diversion	29,980,759	5,257,700	4,062,557	35,000	0	0	0	4,097,557
Westside CSO Tunnel & Swan Is Pump	212,670,750	94,449,312	61,357,342	16,943,419	0	0	0	78,300,761
Total Combined Sewer Overflow	272,280,871	113,966,757	92,989,851	82,223,958	131,398,000	142,436,500	141,847,000	590,895,309
Maintenance & Reliability								
Basement Flooding & Reconstruction	1,300	0	1,000,000	1,000,000	2,000,000	2,000,000	2,000,000	8,000,000
Insley/Taggart A Rehabilitation	1,762,125	1,905,000	2,150,000	0	671,520	2,000,000	2,040,082	6,861,602
Lents 1 & 2 Sewer Basin Predesign	262,326	0	500,000	1,000,000	0	2,000,000	8,000,000	11,500,000
Lents Crossing	426,146	220,000	1,200,000	0	0	0	0	1,200,000
Maintenance Capital Construction	123,285	307,000	207,000	107,000	107,000	107,000	207,000	735,000
Maintenance Capital Contract	687,077	2,605,000	2,250,000	2,000,000	2,000,000	2,000,000	2,000,000	10,250,000
Neighborhood Sump Construction	0	0	430,000	0	0	0	0	430,000
NW CBD Sewer Reconstruction	892,741	0	1,155,100	0	0	0	0	1,155,100
NW Combined Sewer Relief	1,006,840	0	1,630,000	1,400,000	3,700,000	5,000,000	5,000,000	16,730,000
Riverside Basin Rehabilitation	192,937	0	21,000	20,000	100,000	100,000	100,000	341,000
Sullivan Sewer Rehabilitation	41,881	550,000	190,000	0	0	0	0	190,000
Sullivan/Stark/Holliday Basins	1,460,545	2,934,169	5,002,000	1,061,000	0	42,000	213,000	6,318,000
SW Woods Outfall	61,108	0	50,000	0	0	0	0	50,000
Taggart B&C Rehabilitation	2,670,712	0	0	35,000	520,500	4,522,500	12,000	5,090,000
Taggart D Basin Sewer Separation	341,588	500,000	1,000,000	510,000	2,766,700	8,334,200	5,913,400	18,524,300
Taggart Sewer Rehabilitation	7,289	0	45,000	517,000	5,000	0	0	567,000
Taylor Trunk Relief	234,159	600,000	1,201,000	0	0	0	0	1,201,000
Western Half Lents 1 Separation	166,116	0	0	0	0	126,800	1,000,000	1,126,800
Wheeler Structure Rehabilitation	92,278	600,000	0	0	0	0	0	0
Total Maintenance & Reliability	10,430,453	10,221,169	18,031,100	7,650,000	11,870,720	26,232,500	26,485,482	90,269,802
Remediation								
Billing System Replacement	896,956	5,143,953	4,929,798	0	0	0	0	4,929,798
Longview City Laudry Remediation	0	325,000	325,000	0	0	0	0	325,000
Total Remediation	896,956	5,468,953	5,254,798	0	0	0	0	5,254,798
Sewage Treatment Systems								
CBWTP Aeration Basin Repairs	177,143	120,000	132,500	0	0	0	0	132,500
CBWTP Automation	1,185,370	60,000	45,000	40,000	50,000	50,000	50,000	235,000
CBWTP Co-Generation Project	0	0	200,000	0	0	0	0	200,000
CBWTP Conversion	385,443	2,050,000	1,200,000	0	0	0	0	1,200,000
CBWTP Odor Control	2,239,013	94,500	0	0	0	0	0	0
CBWTP Outfall Line Rehabilitation	299,538	40,000	2,140,000	3,000,000	0	160,000	0	5,300,000
Pump Station Improvement Program	3,380,536	1,260,000	2,000,000	1,600,000	1,600,000	1,600,000	1,600,000	8,400,000
Sullivan Pump Station Repairs	386,922	700,000	2,118,000	0	0	0	0	2,118,000
TCWTP Addition of a Third Secondary	0	62,250	0	0	0	0	0	0
Treatment Facilities Rehabilitation-	3,876,625	1,260,000	2,000,000	2,100,000	2,100,000	1,750,000	1,750,000	9,700,000
Total Sewage Treatment Systems	11,930,590	5,646,750	9,835,500	6,740,000	3,750,000	3,560,000	3,400,000	27,285,500
Surface Water Management								
92nd Drive Water Quality Facility	44,197	0	200,000	0	0	0	0	200,000

Capital Improvement Plan — Public Utilities

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau / Capital Program / Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Alsop-Brownwood	1,345,607	2,446,980	1,900,000	0	0	0	0	1,900,000
Fanno Projects 39th-Shattuck	336,794	15,000	0	0	0	0	0	0
Fanno WQWD Tower	145,376	0	100,000	0	0	0	0	100,000
Fanno/Tryon Water Quality TMDL	0	0	365,000	300,000	0	0	0	665,000
Green Solutions	0	0	200,000	200,000	200,000	200,000	200,000	1,000,000
Johnson Creek Restoration Program	2,930,845	775,510	900,000	1,000,000	900,000	856,383	550,000	4,206,383
NE 148th Water Quality Facility	0	0	0	135,000	111,300	1,573,400	4,039	1,823,739
Slough Infrastructure	736,480	267,211	590,000	447,000	0	0	0	1,037,000
Sump Restoration	0	0	0	0	0	1,000,000	1,000,000	2,000,000
Taylors Ferry WQ Facility	78,986	26,000	50,000	0	0	0	0	50,000
Tryon Creek Headwaters	1,907	0	545,000	0	0	0	0	545,000
Vermont Creek Birkland	49,285	0	10,000	0	0	0	0	10,000
Wellhead Sump Retrofit	2,439	113,358	0	0	0	0	0	0
Total Surface Water Management	5,671,916	3,644,059	4,860,000	2,082,000	1,211,300	3,629,783	1,754,039	13,537,122
Systems Development								
Com/Ind/Res Sanitary Sewer Extension	435,651	192,427	1,495,000	1,495,000	1,495,000	1,500,000	1,500,000	7,485,000
Drainage Improvement	979,546	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Office of Transportation Interagencies	2,159,454	88,900	25,000	25,000	25,000	25,000	25,000	125,000
Permit Reimbursement	663,052	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Permits	0	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
South Airport Sanitary Trunk Sewer	3,118,760	7,074,500	4,500,000	0	0	0	0	4,500,000
Total Systems Development	7,356,463	7,820,827	6,485,000	1,985,000	1,985,000	1,990,000	1,990,000	14,435,000
Total Bureau of Environmental Services	308,567,249	146,768,515	137,456,249	100,680,958	150,215,020	177,848,783	175,476,521	741,677,531
Water Bureau								
Affordable & Reliable Water Svcs								
Bulk Water Use Management	39,751	100,000	200,000	200,000	200,000	200,000	0	800,000
Bull Run Disinfection Improvements	946,887	100,000	250,000	225,000	205,000	185,000	100,000	965,000
Conduit 5	374,313	20,000	20,000	20,000	20,000	20,000	20,000	100,000
Conduit Isolation & Improvements	8,964,516	2,550,000	100,000	50,000	1,650,000	3,200,000	4,000,000	9,000,000
Conduit Repair & Rehabilitation	0	150,000	450,000	800,000	400,000	400,000	400,000	2,450,000
Conduit Vulnerability Reduction	515,230	600,000	3,200,000	2,000,000	0	0	0	5,200,000
Dams & Headworks Repair &	394,779	450,000	785,000	356,000	596,000	1,023,000	0	2,760,000
Distribution Mains	0	4,900,000	6,070,000	6,230,000	9,345,000	8,800,000	8,800,000	39,245,000
Equipment Purchases	0	3,251,382	2,922,000	3,046,000	2,337,000	1,839,000	2,244,000	11,744,000
Facilities Security	1,248,151	950,000	575,000	400,000	750,000	670,000	530,000	2,925,000
GIS Water Bureau	3,499,308	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Groundwater System Upgrade	7,905,644	3,083,000	2,175,000	3,331,000	3,400,000	1,030,000	750,000	10,686,000
Groundwater Well Field Rehab	37,245	300,000	645,000	645,000	645,000	645,000	645,000	3,225,000
Hydrant Replacement	0	500,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Infrastructure Master Plan (IMP)	1,247,039	250,000	857,000	1,150,000	950,000	1,450,000	1,500,000	5,907,000
Interstate Facility Rehab	1,343,124	1,170,000	2,000,000	2,000,000	7,700,000	4,700,000	0	16,400,000
Large Meter Replacement	0	1,500,000	1,050,000	1,050,000	1,050,000	1,050,000	1,050,000	5,250,000
Maint Mgmt System/Asset Mgmt	1,134,363	360,000	500,000	400,000	0	0	0	900,000
Meter Purchases	0	315,000	765,000	765,000	765,000	765,000	765,000	3,825,000
New Water Services	0	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	10,400,000
Open Reservoirs	9,298,763	6,280,000	4,430,000	50,000	50,000	50,000	50,000	4,630,000
Powell Butte Reservoirs	2,251,780	0	300,000	100,000	100,000	100,000	100,000	700,000
Project Management System	194,442	250,000	250,000	0	0	0	0	250,000
Pump Stations	0	1,167,000	470,000	625,000	1,465,000	722,000	200,000	3,482,000
Regional Water Supply Plan Update	486,737	0	0	0	0	300,000	300,000	600,000
Regulator Maintenance	0	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Sandy River Conduit Relocation	2,082,072	73,000	700,000	5,400,000	5,700,000	0	0	11,800,000
Storage Tank Maintenance	0	535,000	500,000	1,070,000	2,500,000	2,470,000	4,020,000	10,560,000
Transmission Pipe Improvement	0	1,007,000	1,552,000	2,405,000	2,275,000	950,000	900,000	8,082,000
Utility Line Relocates	0	100,000	1,000,000	2,500,000	2,500,000	2,500,000	2,500,000	11,000,000
Water Control Center Improvement	183,371	697,000	785,000	695,000	345,000	345,000	345,000	2,515,000
Water Quality Sampling Stations	639,704	75,000	75,000	75,000	50,000	50,000	50,000	300,000
Wholesale Connections and Pipelines	210,121	250,000	800,000	600,000	100,000	100,000	100,000	1,700,000

Capital Improvement Plan — Public Utilities

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Willamette River Crossing	0	250,000	750,000	500,000	1,000,000	1,000,000	0	3,250,000
Total Affordable & Reliable Water Svcs	42,997,340	34,288,382	37,506,000	40,018,000	49,428,000	37,894,000	32,699,000	197,545,000
Business Svcs & Office of Administrator								
Facilities Maintenance	0	200,000	100,000	200,000	200,000	200,000	200,000	900,000
Retail/Wholesale Financial Model	0	250,000	250,000	0	0	0	0	250,000
Total Business Svcs & Office of Admin-	0	450,000	350,000	200,000	200,000	200,000	200,000	1,150,000
Community Investments								
Bureau of Envirnonmental Services	0	890,000	236,000	183,000	300,000	300,000	300,000	1,319,000
Decorative Fountains	0	0	205,000	205,000	205,000	205,000	205,000	1,025,000
Dodge Park	0	0	70,000	0	0	0	0	70,000
ODOT Water Line Adjust Projects	0	675,000	675,000	675,000	675,000	675,000	675,000	3,375,000
PDOT Water Line Adjustment Projects	0	4,470,000	11,300,000	9,100,000	2,000,000	2,000,000	1,500,000	26,150,000
Total Community Investments	0	6,035,000	12,486,000	10,163,000	3,180,000	3,180,000	2,680,000	31,689,000
Response to City Development								
Bull Run Lake Mitigation	61,615	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Bull Run Watershed Maintenance	0	395,000	500,000	300,000	300,000	300,000	300,000	1,700,000
Endangered Species Act Compliance	0	0	250,000	815,000	1,230,000	5,330,000	5,430,000	13,055,000
Forest Service/Portland Land Exchange	232,186	175,000	350,000	325,000	200,000	0	0	875,000
Groundwater Remediation	5,129,949	100,000	150,000	150,000	100,000	100,000	100,000	600,000
Regulatory Compliance Studies	1,082,183	50,000	50,000	50,000	50,000	50,000	50,000	250,000
System Vulnerability Reduction	258,786	732,000	100,000	0	0	0	0	100,000
Water Conservation Plan	0	0	360,000	0	0	0	0	360,000
Wellhead Protection/Monitoring Wells	1,318,496	300,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Total Response to City Development	8,083,215	1,792,000	2,000,000	1,880,000	2,120,000	6,020,000	6,120,000	18,140,000
Total Water Bureau	51,080,555	42,565,382	52,342,000	52,261,000	54,928,000	47,294,000	41,699,000	248,524,000
Total Public Utilities	**$359,647,804**	**$189,008,897**	**$189,798,249**	**$152,941,958**	**$205,143,020**	**$225,142,783**	**$217,175,521**	**$990,201,531**


CITY OF PORTLAND, OREGON
1851

Bureau of Environmental Services
Overview and Financial Tables

BUREAU SUMMARY

Bureau Mission

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

We provide sewage and stormwater collection and treatment services to accommodate Portland's current and future needs. We protect the quality of surface and ground waters and conduct activities that promote healthy ecosystems in our watersheds.

CIP Highlights

Approximately 80% of the FY 2006-10 Capital Plan funding of nearly $471.7 million is concentrated in the Combined Sewer Overflow (CSO) program. Major projects within this program include the Westside Tunnel & Pump Station, and the Eastside Tunnel. Nearly 66% of the first year CSO Program budget is allocated to construction activities related to the Westside Tunnel and Pump Station project. All of the projects within this program are being driven by regulations, requiring the control of CSO on the westside of the Willamette River by 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 reaching or exceeding 100 years of age. Major projects under implementation are the Insley/Taggart A Relief and Reconstruction, the Maintenance Capital Contract, the NW Combined Sewer Relief, and the Sullivan/Stark/Holladay Basins Combined Sewer Relief. The above four projects account for approximately 61% of the first year Maintenance and Reliability program budget.

Sewage Treatment Systems account for about 4% of the five-year CIP budget. These projects are located at either of the City's Wastewater Treatment Plants (Columbia Boulevard (CBWTP) or Tryon Creek) or at one of the Pump Stations in the collection system. Major projects in the first year include the Sullivan Pump Station Repairs, CBWTP Outfall Line Repair projects and projects within the Pump Station Improvement and the Treatment Facilities-Rehabilitation & Modification programs. The above four projects account for approximately 84% of the first year Sewage Treatment Systems program budget.

The remaining program areas comprise about 4% of the CIP. These include the Remediation, Surface Water Management and Systems Development programs.

Major Issues

CSO Program

About 80% of the five-year CIP budget is allocated to the CSO program. Within the CSO program, 88% of the program budget is allocated to two projects; Westside Tunnel & Swan Island Pump Station, and East Tunnel. Given the above, almost 71% of the entire CIP budget is allocated to these two projects. The most critical task facing the bureau is management and cost control of the above projects.

BES has made a very dedicated effort to control cost on the Westside Tunnel & Swan Island Pump Station project. In conjunction with Jacobs & Associates (Construction Manager), BES has a full-time staff dedicated 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 the five-year CIP budgets, one should compare years two through five from last year's CIP with years one through four for the newly adopted CIP. With this in mind, the aforementioned years within the FY 2005-09 CIP and the FY 2006-10 CIP are $442 million and $561 million, respectively.

This increase in the value of the four years of the prior CIP compared to this adopted CIP is $119 million. This is beyond the normal variations brought about by completion of old projects and the initiation of new projects, and is the result of required funding increases in all programs.

Combined Sewer Overflow

The four-year total for last year's CIP FY 2006-09 was $348 million, compared with this year's CIP FY 2006-09 of $449 million. This indicates an increase in four-year requirements of $101 million with the winding-down of Westside CSO Tunnel and Pump Station, the ramping-up of the Eastside Tunnel, and the remaining CSO projects that must be completed by 2011. CIP FY 2006-10 provides for faster escalation of the Eastside Tunnel than that provided in last year's CIP, and includes the impact of an estimated $200 million increase in the total cost of the Eastside Tunnel. This is the reason for the $101 million increase in overall four-year requirements.

Maintenance and Reliability

The four-year total for last year's CIP FY 2006-09 was $57 million, compared with this year's CIP FY 2006-09 $64 million. The increased funding in this program is primarily attributable to the Taggart D Basin Separation; the NW Combined Sewer Relief; the Lents 1&2 Sewer Basin Predesign; the Basement Flooding Relief; the Sullivan/Stark/Holladay Relief & Reconstruction; the Taggart B&C Relief & Reconstruction; and the Insley/Taggart A Relief & Reconstruction projects, which were accelerated for various reasons including pipe condition, coordination with other projects, and mitigating risk of not meeting the required dates for project completion.

Sewage Treatment Systems

The four-year total for last year's CIP FY 2006-09 was $21 million, compared with this year's CIP FY 2006-09 $24 million. The increased funding in this program is attributable to CBWTP Outfall Line Repair, the Sullivan Pump Station Repair and the CBWTP Sodium Hypochlorite Conversion projects. The Outfall Line Repair project is required to accommodate future CSO flow, and has been accelerated to mitigate the risk of not meeting completion date requirements. 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. Repairs at the Sullivan Pump Station will improve reliability and decrease maintenance requirements.

Systems Development

The four-year total for last year's CIP FY 2006-09 was $10 million, compared with this year's CIP FY 2006-09 $12 million. The increased funding in this program is attributable to South Airport Sanitary Trunk Sewer, and the Commercial/Industrial/Residential Sewer Extension projects.

Surface Water Management

The four-year total from last year's CIP FY 2006-09 was $7 million, compared with this year's CIP FY 2006-09 $12 million. The increased funding in this program is primarily attributable to the Alsop-Brownwood, and the Johnson Creek Restoration projects.

STRATEGIC DIRECTION

Council Goals and Priorities

Over the last few years, citizens and neighborhood committees have increasingly participated in planning and developing the bureau's capital projects. The citizens' input has greatly influenced the bureau's strategy for CIP development. Emphasis is being placed on building facilities, which would benefit the environment and protect the residents of the city.

The bureau's strategic plan supports the City's goal to protect and enhance the natural and built environment. Priority is given to projects that are mandated by federal and state laws and those projects that address the City Council goals and objectives.

City Comprehensive Plan

As reflected in our mission statement, the bureau is committed to protecting the water quality in Portland.

The Combined Sewer Overflow program will significantly reduce the volume of sewage spilling into the Columbia Slough and the Willamette River by 2011. The Columbia Slough area projects have been completed. Currently, our focus is to control the westside CSO outfalls that discharge into the Willamette River by 2006, and all remaining outfalls by 2011.

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 in the City, major facilities were designed to meet these demands without sacrificing water quality. The bureau 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, provides 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 unsewered properties.

In the last few years, the bureau built multi-objective systems that address stormwater management, enhance the fish and wildlife habitat, and create recreational benefits in the surrounding waters. There has been a shift in the decision-making process in funding the Surface Water Management program. Historically, the drainage systems were constructed only to address flooding and standing water problems, but the bureau now uses an approach where stormwater management projects are developed in a manner that integrates watershed health and system infrastructure needs.

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.

Collection System Maintenance and Reliability

The bureau has committed to provide funding for repair of structurally deficient portions of the sewer collection system and to replace hydraulically overloaded systems in areas where there is basement flooding at the minimum level identified in previous assessments of system capital maintenance needs. These minimum levels will continue until completion of the Willamette CSO program. In the future, capital maintenance needs will be reassessed through development of an asset management program and replacement plan.

Sewage Treatment Systems

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

System 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 manner with long-term funding. Until these plans are completed, provide capital funding to 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 & 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 insures that the core identified needs of the sewerage, drainage, and surface water system and the community it serves are effectively funded and scheduled.

A bureau-wide stakeholder review team investigates, scores, and ranks all CIP projects in accordance with identified CIP criteria. CIP weighted criteria, scoring instructions, scheduling guidelines, estimating procedures, and project request forms are used to insure each project is developed, reviewed, and scored based on detailed and consistent information throughout the bureau. A CIP program strategy, based on previously identified needs while taking into account future uncertainties, guides project selection and scheduling. Each of the projects is reviewed by the bureau's financial managers, program managers, operations managers, and engineering managers to insure the bureau expends

financial resources as effectively and appropriately as possible. The CIP management team evaluates all of the information from the process, meets with selected bureau project and program managers to further reduce costs where appropriate and submits their final recommendation to the bureau director. The bureau director reviews the findings and approves the CIP plan.

Financial Plan Overview

The five-year financial forecast presents the bureau's revenue and expenditure plan 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 compliance with all applicable health, safety, and environmental laws; regulatory body rules and 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 rate increases averaging 5.9% over the next five years. These increases are due to growth in annual system costs, partially offset by increases in non-rate revenues.

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 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, and systematically schedule for 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 sanitary sewer system includes the network of pipelines and pump stations that collect and convey wastewater.
- The stormwater system includes the swales, ponds, channels, creeks, sloughs, culverts, and pipe systems that convey and treat stormwater runoff from the land.
- The wastewater treatment system includes two secondary wastewater treatment plants: the CBWTP and the TCWTP.

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 1999 edition of the PFP. The types of projects included in the PFP include construction, design, predesign, and multiphase. Predesign is recommended where the analysis showed that more comprehensive and detailed planning is required before the specifics for a construction project can be determined.

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 for 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 & PROJECTS

Program Description

The bureau's Capitol Improvement Plan is divided into six program areas. The five areas are Combined Sewer Overflow, Maintenance and Reliability, Remediation, Sewage Treatment Systems, Surface Water Management, and Systems Development.

Combined Sewer Overflow

Approximately 60% of Portland's population is served by a combined sewer system which carries both sanitary 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 Columbia Slough and the Willamette River. Currently, the City's combined sewers discharge an average of approximately over 3 billion gallons (down from 6 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 define the CSO problem and to evaluate alternative methods for abating pollution attributable to CSOs.

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 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, which included extensive public involvement, to determine the desirable level of CSO control. The results of this collaborative 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 sewer, trunk sewers, and interceptor sewers. The City's sewer collection and transmission system includes over 2,219 miles of sewer line ranging from four inches in diameter to 12 feet. 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 reoccurrence 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. This approach includes onsite drainage controls, street inflow controls, and up-sizing 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, the Integrated Watershed Plans, and all basin predesign studies are completed.

Sewage Treatment Systems

This program provides funding for projects located at the Columbia Boulevard Water Treatment Plant and the Tryon Creek Water Treatment Plant. Maintenance and repair/ rehabilitation of the 93 pump stations located citywide are also included under this program.

Both treatment plants are operating within the framework of the Federal Clean Water Act. Specific requirements for removal of pollutants from wastewater before the treated effluent is discharged into the Columbia or Willamette rivers are contained in the National Pollution Discharges Elimination System (NPDES) permit for each plant.

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), streambank rehabilitation, installation of surface water filtering systems, and other innovative ways to improve water quality. In addition to addressing the 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 our service area, to support new development, and protect public health and environment.

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

Funding Sources

Planned CIP outlays total $748.9 million (including inflation) over the five-year forecast interval FY 2005-06 through FY 2009-10. Based on current planning assumptions, the Bureau's five-year CIP request will require $560.1 million (nominal dollars) in additional borrowings over the forecast interval. A brief description of the resources required to finance this requirement follows:

- Fees, Charges, and Permits. This source of funding includes 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 Office of Transportation and the Port of Portland.
- Line and Branch Charges. Charges in lieu of assessment will be used to support CIP outlays. Line and branch charges are received in cash and in the form of proceeds from special assessment bonds issued for property owners who elect to finance their line and branch charges.
- System Development Charges (SDCs). SDCs are equity charges applied to properties at the time they connect to the sewer system. SDCs 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 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 1.5 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.
- Bond Proceeds. Proceeds from the sale of Sewer System revenue bonds will 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 financings. The forecast assumes an average annualized coupon rate of 6.0% for FY 2006-07 and 6.5% thereafter, with a 1.2 coverage requirement.
- Investment Income. Investment or interest income is earned on all Sewer System funds administered by the City Treasurer. Any investment income earned on balances within 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 10% of operating expenses is maintained for unforeseen financial needs within the Sewer System Operating Fund and the Sewer System Rate Stabilization Fund. Beginning Operating Fund balances in excess of those required for the ongoing 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 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 23,000-foot tunnel system has a 14-feet finished inside diameter and depths ranging between 100 feet to 150 feet from the ground surface to the tunnel. 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 29,000 lineal feet of a 22 foot in diameter tunnel. The tunnel extends from the Insley combined sewer basin in 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 13 combined sewer basins on the east side of the Willamette River. The tunnel will connect to the 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 175 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 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 the CSOs from the Tanner Creek basin.

CBWTP Pump Station Upgrades, 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 influent pump station (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.

Maintenance & Reliability

Basement Flooding Relief and Reconstruction Program: This program includes sub-projects in the five year window that will be identified as part of the Basin Predesign efforts. 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-1970s. In recent times, the number of floodings had declined 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 1999 public facilities plan as needing relief. Within the five-year CIP, this program is anticipated to include the Taggart D Basin Separation; the NW Combined Sewer Relief; the Lents 1&2 Sewer Basin Predesign; the Basement Flooding Relief; the Sullivan/Stark/Holladay Relief & Reconstruction; and the Insley/Taggart A Relief & Reconstruction projects.

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 through the 25-year storm in the Taggart D Basin. Currently, the recommendations of the predesign study are being revisited to address system needs identified in the predesign and to improve watershed health in the 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.

NW Combined Sewer Relief: This project combines northwest 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. One early action project has been broken out to replace a critical section of large diameter pipe in poor condition.

Lents 1 & 2 Sewer Basin: This project will develop a basin-wide predesign effort to refine the current list of recommended projects identified in the public facilities plan. Successful project completion will lead to design and implementation of projects necessary to control basement flooding and CSOs. This project is required to fulfill the City's ASFO CSO control schedule currently set for 2011. The basin-wide effort will include a combination of stormwater controls, new conveyance pipes, and several in-line storage facilities to prevent basement and street flooding throughout the basin. The stormwater controls will use a combination of regional infiltration/storage, including sumps, and strategies identified for implementing the Clean River Plan Action 3 program.

Sullivan/Stark/Holladay Relief & Reconstruction: This project will implement the predesign's recommendations. Within the five-year CIP, this project is anticipated to include the portion of the system that serves the Hollywood District. The objectives are to repair the medium-sized trunk sewer in Sandy Boulevard between NE 37th and 47th Avenues, and to rebuild and enlarge collector sewers north and south of Sandy. Some sewers are in poor condition, and others need to be enlarged to prevent sewer backups into basements.

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 that 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 the conveyance capacity limitations. In this process the hydraulic capacity of the system will be augmented to convey the BES standard design for 25-year storms.

Sewage Treatment Program

Sullivan Pump Station Repair: This is a project to replace the pump variable speed drives and controls, and make other modifications to the pump station, to improve reliability and decrease maintenance requirements. The Sullivan Pump Station is the key pump station in conveying eastside flows to the CBWTP.

CBWTP Outfall Line Repair: This project involves repair of the existing 102-inch semi-elliptical outfall line from the CBWTP to the Columbia River to insure that it can withstand the internal pressures to which it may be subjected during periods of high river stage, and to enable it to function effectively in tandem with a second outfall constructed in 2000 for wet weather flows.

Pump Station Improvement Program: 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 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 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 the NPDES permit. 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 would facilitate a rapid and practical response 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. This project will address flooding, and water quality problems in the Johnson Creek area. Improvements include flood storage to reduce flooding and reconnecting wetlands to provide fish and wildlife habitat. 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, improve water quality, and fish and wildlife habitat. This project includes the necessary actions for 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 the possibility of receiving a grant from the US Army Corps of Engineers (ACOE) for revitalization of four miles of the Lower Columbia Slough.

Fanno/Tryon Water Quality TMDL: This project initiates implementation of the capital improvement components of the BES Tualatin Basin Total Maximum Daily Load (TMDL) Implementation Plan submitted to the Oregon Department of Environmental Quality (DEQ) in August 2003. Specifically and more immediately, this project will implement measures designed to achieve water quality objectives related to the TMDL and the 303(d) listing of Tryon Creek under the Clean Water Act. Fanno Creek has TMDLs for total phosphorus, dissolved oxygen, temperature, and bacteria. Tryon Creek is on the 303(d) list for temperature and also receives stormwater runoff from two of the City's major stormwater outfalls.

Tryon Creek Headwaters: This project is a Public/Private redevelopment project located in southwest Portland. BES is partnering with PDC and a private developer, Winkler Development Corporation, to achieve site redevelopment and stream restoration for a tributary of Tryon Creek.

Systems Development

South Airport Sanitary Trunk Sewer: Construction will proceed through 2006. This project will provide design and construction for the sanitary trunk sewers to serve the basin (The project basin area is approximately 1,300 acres in northeast Portland near Columbia Blvd. from 42nd Avenue to Colwood Way, including 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 the 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. The Commercial/ Industrial/Residential Sewer Extension program will allow construction of infrastructure for existing commercial/industrial/residential sites when a documented need for such facilities is established. This program will provide sewer service to remaining developed or partially developed unsewered areas within the City's service boundary.

Operating and Maintenance (O&M) Costs

The O&M estimates for costs or savings were prepared by the Wastewater Group. The basis for the estimates depends 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 easily predicted. The equipment projected for installation has design parameters that more clearly dictate the resource demands. If there is a direct labor application that will change 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.

Capital Improvement Plan — Bureau of Environmental Services

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area within each bureau in this Service Area.

Service Area		Revised	Adopted	Capital Plan				
Geographic Area	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5–Year Total**
Bureau of Environmental Services								
Undefined	896,956	5,143,953	4,929,798	0	0	0	0	4,929,798
All Areas	224,975,976	100,627,639	70,026,842	24,935,419	7,992,000	7,647,000	7,747,000	118,348,261
East	5,970,691	8,314,738	25,022,000	64,208,000	123,000,000	123,042,000	123,213,000	458,485,000
North	26,793,571	9,511,033	10,098,657	3,824,000	2,150,000	4,160,000	2,750,000	22,982,657
Northeast	3,684,038	9,098,712	7,257,658	261,539	409,300	2,953,400	4,251,039	15,132,936
Northwest	33,164,496	6,507,700	9,472,657	3,735,000	8,800,000	20,000,000	20,000,000	62,007,657
Southeast	10,818,687	5,847,490	7,695,000	3,417,000	7,863,720	20,046,383	17,515,482	56,537,585
Southwest	2,262,834	1,392,250	2,953,637	300,000	0	0	0	3,253,637
Total Bureau of Environmental Services	**$308,567,249**	**$146,443,515**	**$137,456,249**	**$100,680,958**	**$150,215,020**	**$177,848,783**	**$175,476,521**	**$741,677,531**

Capital Improvement Plan — Bureau of Environmental Services

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Bureau of Environmental Services								
Combined Sewer Overflow								
Balch Consolidation Conduit	0	0	1,000,000	1,000,000	5,000,000	5,000,000	5,000,000	17,000,000
Beech-Essex Separation	0	0	0	0	298,000	380,000	3,247,000	3,925,000
California Pump Station Upgrade	1,355,219	689,000	632,637	0	0	0	0	632,637
CBWTP Primary Treatment Expansion	0	0	500,000	314,000	2,000,000	3,800,000	0	6,614,000
CBWTP Wet Weather Capacity	1,195,168	2,400,000	1,888,986	0	0	0	0	1,888,986
CBWTP Wet Weather Headworks	1,984,582	964,000	2,000,000	450,000	0	50,000	2,000,000	4,500,000
Columbia Slough Wet Weather Treatment	19,134,377	3,782,533	1,971,171	0	0	0	0	1,971,171
East CSO Tunnel	3,769,927	5,000,000	18,000,000	61,700,000	121,000,000	121,000,000	121,000,000	442,700,000
Fiber Optic Ring Expansion	0	0	27,500	0	0	0	0	27,500
H/S/S Inflow Control	0	174,212	249,658	126,539	0	0	0	376,197
Portmouth Force Main	1,284,156	1,250,000	1,300,000	1,300,000	100,000	10,000,000	10,000,000	22,700,000
Sellwood Separation	905,933	0	0	355,000	3,000,000	2,206,500	0	5,561,500
Swan Island Pump Station Phase 2	0	0	0	0	0	0	600,000	600,000
Tanner Creek Basin Stream Diversion	29,980,759	5,257,700	4,062,557	35,000	0	0	0	4,097,557
Westside CSO Tunnel & Swan Is Pump	212,670,750	94,449,312	61,357,342	16,943,419	0	0	0	78,300,761
Total Combined Sewer Overflow	272,280,871	113,966,757	92,989,851	82,223,958	131,398,000	142,436,500	141,847,000	590,895,309
Maintenance & Reliability								
Basement Flooding & Reconstruction	1,300	0	1,000,000	1,000,000	2,000,000	2,000,000	2,000,000	8,000,000
Insley/Taggart A Rehabilitation	1,762,125	1,905,000	2,150,000	0	671,520	2,000,000	2,040,082	6,861,602
Lents 1 & 2 Sewer Basin Predesign	262,326	0	500,000	1,000,000	0	2,000,000	8,000,000	11,500,000
Lents Crossing	426,146	220,000	1,200,000	0	0	0	0	1,200,000
Maintenance Capital Construction	123,285	307,000	207,000	107,000	107,000	107,000	207,000	735,000
Maintenance Capital Contract	687,077	2,605,000	2,250,000	2,000,000	2,000,000	2,000,000	2,000,000	10,250,000
Neighborhood Sump Construction	0	0	430,000	0	0	0	0	430,000
NW CBD Sewer Reconstruction	892,741	0	1,155,100	0	0	0	0	1,155,100
NW Combined Sewer Relief	1,006,840	0	1,630,000	1,400,000	3,700,000	5,000,000	5,000,000	16,730,000
Riverside Basin Rehabilitation	192,937	0	21,000	20,000	100,000	100,000	100,000	341,000
Sullivan Sewer Rehabilitation	41,881	550,000	190,000	0	0	0	0	190,000
Sullivan/Stark/Holliday Basins	1,460,545	2,934,169	5,002,000	1,061,000	0	42,000	213,000	6,318,000
SW Woods Outfall	61,108	0	50,000	0	0	0	0	50,000
Taggart B&C Rehabilitation	2,670,712	0	0	35,000	520,500	4,522,500	12,000	5,090,000
Taggart D Basin Sewer Separation	341,588	500,000	1,000,000	510,000	2,766,700	8,334,200	5,913,400	18,524,300
Taggart Sewer Rehabilitation	7,289	0	45,000	517,000	5,000	0	0	567,000
Taylor Trunk Relief	234,159	600,000	1,201,000	0	0	0	0	1,201,000
Western Half Lents 1 Separation	166,116	0	0	0	0	126,800	1,000,000	1,126,800
Wheeler Structure Rehabilitation	92,278	600,000	0	0	0	0	0	0
Total Maintenance & Reliability	10,430,453	10,221,169	18,031,100	7,650,000	11,870,720	26,232,500	26,485,482	90,269,802
Remediation								
Billing System Replacement	896,956	5,143,953	4,929,798	0	0	0	0	4,929,798
Longview City Laundry Remediation	0	325,000	325,000	0	0	0	0	325,000
Total Remediation	896,956	5,468,953	5,254,798	0	0	0	0	5,254,798
Sewage Treatment Systems								
CBWTP Aeration Basin Repairs	177,143	120,000	132,500	0	0	0	0	132,500
CBWTP Automation	1,185,370	60,000	45,000	40,000	50,000	50,000	50,000	235,000
CBWTP Co-Generation Project	0	0	200,000	0	0	0	0	200,000
CBWTP Conversion	385,443	2,050,000	1,200,000	0	0	0	0	1,200,000
CBWTP Odor Control	2,239,013	94,500	0	0	0	0	0	0
CBWTP Outfall Line Rehabilitation	299,538	40,000	2,140,000	3,000,000	0	160,000	0	5,300,000
Pump Station Improvement Program	3,380,536	1,260,000	2,000,000	1,600,000	1,600,000	1,600,000	1,600,000	8,400,000
Sullivan Pump Station Repairs	386,922	700,000	2,118,000	0	0	0	0	2,118,000
TCWTP Addition of a Third Secondary	0	62,250	0	0	0	0	0	0
Treatment Facilities Rehabilitation-	3,876,625	1,260,000	2,000,000	2,100,000	2,100,000	1,750,000	1,750,000	9,700,000
Total Sewage Treatment Systems	11,930,590	5,646,750	9,835,500	6,740,000	3,750,000	3,560,000	3,400,000	27,285,500
Surface Water Management								
92nd Drive Water Quality Facility	44,197	0	200,000	0	0	0	0	200,000
Alsop-Brownwood	1,345,607	2,446,980	1,900,000	0	0	0	0	1,900,000

Capital Improvement Plan — Bureau of Environmental Services

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program / Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Fanno Projects 39th-Shattuck	336,794	15,000	0	0	0	0	0	0
Fanno WQWD Tower	145,376	0	100,000	0	0	0	0	100,000
Fanno/Tryon Water Quality TMDL	0	0	365,000	300,000	0	0	0	665,000
Green Solutions	0	0	200,000	200,000	200,000	200,000	200,000	1,000,000
Johnson Creek Restoration Program	2,930,845	775,510	900,000	1,000,000	900,000	856,383	550,000	4,206,383
NE 148th Water Quality Facility	0	0	0	135,000	111,300	1,573,400	4,039	1,823,739
Slough Infrastructure	736,480	267,211	590,000	447,000	0	0	0	1,037,000
Sump Restoration	0	0	0	0	0	1,000,000	1,000,000	2,000,000
Taylors Ferry WQ Facility	78,986	26,000	50,000	0	0	0	0	50,000
Tryon Creek Headwaters	1,907	0	545,000	0	0	0	0	545,000
Vermont Creek Birkland	49,285	0	10,000	0	0	0	0	10,000
Wellhead Sump Retrofit	2,439	113,358	0	0	0	0	0	0
Total Surface Water Management	5,671,916	3,644,059	4,860,000	2,082,000	1,211,300	3,629,783	1,754,039	13,537,122
Systems Development								
Com/Ind/Res Sanitary Sewer Extension	435,651	192,427	1,495,000	1,495,000	1,495,000	1,500,000	1,500,000	7,485,000
Drainage Improvement	979,546	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Office of Transportation Interagencies	2,159,454	88,900	25,000	25,000	25,000	25,000	25,000	125,000
Permit Reimbursement	663,052	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Permits	0	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
South Airport Sanitary Trunk Sewer	3,118,760	7,074,500	4,500,000	0	0	0	0	4,500,000
Total Systems Development	7,356,463	7,820,827	6,485,000	1,985,000	1,985,000	1,990,000	1,990,000	14,435,000
Total Bureau of Environmental Services	**$308,567,249**	**$146,768,515**	**$137,456,249**	**$100,680,958**	**$150,215,020**	**$177,848,783**	**$175,476,521**	**$741,677,531**

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Combined Sewer Overflow

Balch Consolidation Conduit

Area: NW

Objective(s): Efficiency

Project Description

This project consists of a 72- to 84-inch diameter pipeline that connects two sets of flow to the Westside CSO Tunnel: CSO flow from the Balch Outfall (OF17) and stormwater flow from an adjacent outfall (OF16). The pipeline will begin near the Balch CSO Outfall and will be located along Front Avenue. The pipeline length and depth will be 4,900 feet and 40 feet respectively. The Balch CSO facilities will be independent from the Balch Creek system that directs Balch Creek to the Willamette River. This project is part of Portland's CSO program and must be completed by December 1, 2011 to comply with the ASFO administered by DEQ.

Funding Sources								
Sewer System Construction Fund	0	0	1,000,000	1,000,000	5,000,000	5,000,000	5,000,000	17,000,000
Total Funding Sources	0	0	1,000,000	1,000,000	5,000,000	5,000,000	5,000,000	17,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Beech-Essex Separation

Area: NE

Objective(s): Mandate

Project Description

This stormwater separation project will separate OF44a in connection with the Eastside Combined Sewer Overflow (ESCSO) Tunnel Project, and reliefs basement flooding to 33 parcels. This project involves the installation of approximately 4,400 feet of new combined and storm sewer pipe as well as upsizing of approximately 5,200 feet of existing pipes with diameters ranging from 12" to 48". The project also includes the potential relocation of approximately 1,900 feet of 6" to 8" waterlines. The stormwater flow from this newly separated OF44a along with the flow from existing stormwater OF44, will be treated by sending the stormwater to the ESCSO tunnel for treatment at CBWTP. The combined flow from OF44a will be routed through a new pipe to OF43. This pipe will also provide hydraulic relief for the Peninsular Tunnel during large storm events. In addition, eleven diversion manholes will be eliminated.

Funding Sources								
Sewer System Construction Fund	0	0	0	0	298,000	380,000	3,247,000	3,925,000
Total Funding Sources	0	0	0	0	298,000	380,000	3,247,000	3,925,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

California Pump Station Upgrade

Area: SW

Objective(s): Mandate

Project Description

The 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 500 gallons per minute (gpm) to 5,400 gpm and to bring the critical systems of the station into conformance with current codes and standards.

Funding Sources								
Sewer System Construction Fund	1,355,219	689,000	632,637	0	0	0	0	632,637
Total Funding Sources	1,355,219	689,000	632,637	0	0	0	0	632,637
Operating & Maintenance Costs			0	23,000	23,000	23,000	23,000	92,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
CBWTP Primary Treatment Expansion							**Area:**	N
							Objective(s):	Mandate
Project Description								
This project will add a fourth dry weather primary clarifier and all of the attendant facilities to the CBWTP.								
Funding Sources								
Sewer System Construction Fund	0	0	500,000	314,000	2,000,000	3,800,000	0	6,614,000
Total Funding Sources	0	0	500,000	314,000	2,000,000	3,800,000	0	6,614,000
Operating & Maintenance Costs			0	50,000	50,000	50,000	50,000	200,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
CBWTP Wet Weather Capacity Improvement							**Area:**	N
							Objective(s):	Mandate
Project Description								
Upgrade the CBWTP Influent Pump Station from 105 mgd to 135 mgd capacity.								
Funding Sources								
Sewer System Construction Fund	1,195,168	2,400,000	1,888,986	0	0	0	0	1,888,986
Total Funding Sources	1,195,168	2,400,000	1,888,986	0	0	0	0	1,888,986
Operating & Maintenance Costs			0	0	0	0	50	50

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
CBWTP Wet Weather Headworks							**Area:**	N
							Objective(s):	Mandate
Project Description								
Project to design and construct a 150 mgd capacity wet weather screening facility, and various hydraulic improvements at the CBWTP to accommodate increased influent flows projected to occur due to the implementation of the Willamette River CSO program.								
Funding Sources								
Sewer System Construction Fund	1,984,582	964,000	2,000,000	450,000	0	50,000	2,000,000	4,500,000
Total Funding Sources	1,984,582	964,000	2,000,000	450,000	0	50,000	2,000,000	4,500,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Columbia Slough Wet Weather Treatment Facility

Area: N

Objective(s): Mandate

Project Description

The Columbia Boulevard Wet Weather Treatment Facility (CBWWTF) project consists of construction of new primary clarifiers to treat up to 120 mgd of dry weather flows, modifications of existing primary clarifiers to treat up to 240 mgd of wet weather flows, expansion of the existing chlorination system, modifications of the existing effluent pump station, construction of a new dechlorination facility, modifications of the screen house, odor control, and environmental enhancements as part of the commitment to the local communities. The effluent pump station modifications project is the only remaining project under construction. These modification are required to comply with the ASFO deadline of December 1, 2006.

Funding Sources								
Sewer System Construction Fund	19,134,377	3,782,533	1,971,171	0	0	0	0	1,971,171
Total Funding Sources	19,134,377	3,782,533	1,971,171	0	0	0	0	1,971,171
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

East CSO Tunnel

Area: E

Objective(s): Mandate

Project Description

This project consists of approximately 31,000 lineal feet of tunnel approximately 22 feet in diameter. The tunnel extends from the Insley combined sewer basin in the south to the Riverside Basin in the north (Swan Island). The tunnel will collect, convey and store overflows from 13 combined sewer basins on the east side of the Willamette River. The tunnel will connect to a new Swan Island 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 and ranges from 100 to 175 feet in depth. Soil conditions along the length of the tunnel vary from Troutdale formation to sand/silt/alluvium. The tunnel is believed to be in the Troutdale formation for approximately 80% of the alignment. The 2001 Update to Portland's Combined Sewer Overflow (CSO) Facilities Plan recommended this project as part of the second phase of the Willamette River CSO control facilities that requires the construction of the Eastside CSO projects and improvements at CBWTP. This project is part of Portland's CSO program and must be complete by December 1, 2011 to comply with the mandated ASFO administered by DEQ.

Funding Sources								
Sewer System Construction Fund	3,769,927	5,000,000	18,000,000	61,700,000	121,000,000	121,000,000	121,000,000	442,700,000
Total Funding Sources	3,769,927	5,000,000	18,000,000	61,700,000	121,000,000	121,000,000	121,000,000	442,700,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Fiber Optic Ring Expansion

Area: ALL

Objective(s): Efficiency

Project Description

This project will provide fiber optic cable to connect the east and west sides of the Fiber Optic Ring (FOR) at the Sellwood Bridge. This project will improve the FOR by enabling its redundancy. The FOR is a City-owned communications system currently in construction. The system includes fiber optic cable to be used exclusively by BES. The FOR will provide communications between monitoring and control stations of the facilities and the Central Control Facility at the CBWTP. The Willamette CSO control facilities will ultimately reach from the CBWTP as far south as the diversion structure at SW 31st & Multnomah on the west side, a span of approximately seven miles. There are at least 24 locations that will need to communicate with CBWTP for the westside portion of the system. There will be similar numbers of locations over similar distances for the eastside portion of the Willamette CSO control facilities.

Funding Sources								
Sewer System Construction Fund	0	0	27,500	0	0	0	0	27,500
Total Funding Sources	0	0	27,500	0	0	0	0	27,500
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

H/S/S Inflow Control

Area: NE

Objective(s): Mandate

Project Description

The H/S/S predesign recommended the seven local stormwater projects to relieve basement flooding due to sewer backups. BES will implement a range of stormwater management measures in each of the areas: residential downspout disconnection, street runoff controls, and disconnection of schools, churches, and commercial properties. The predesign concluded that the stormwater management approaches are cost-effective alternatives to replacing the pipes that are prone to surcharging.

Funding Sources								
Sewer System Construction Fund	0	174,212	249,658	126,539	0	0	0	376,197
Total Funding Sources	0	174,212	249,658	126,539	0	0	0	376,197
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Portmouth Force Main

Area: NW

Objective(s): Mandate

Project Description

This project provides the force main from the Swan Island Pump Station to the Portsmouth Tunnel for eastside CSO flows. The predesign evaluation identifed four alignments between the pump station and the Portsmount tunnel. The preferred alignment constists of approximately 17,000 LF of 66-inch diameter force main. Approximately 6,000 LF will be installed in a 9-ft diameter tunnel about 110 feet deep. The remainder will be open-cut construction across Swan Island through industrial areas with high traffic loads.

Funding Sources								
Sewer System Construction Fund	1,284,156	1,250,000	1,300,000	1,300,000	100,000	10,000,000	10,000,000	22,700,000
Total Funding Sources	1,284,156	1,250,000	1,300,000	1,300,000	100,000	10,000,000	10,000,000	22,700,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Sellwood Separation

Area: SE

Objective(s): Mandate

Project Description

This project will design and construct replacement sewers with in-line storage and detention in the Sellwood Combined Sewer Basin to reduce CSOs and basement floodings. Installation of sumps and an analysis of roof drain disconnections have been completed within this basin. Additional study and modeling of the basin with these actions in place have determined that additional separation or storage will be necessary to meet the AFSO requirements. The Sellwood Combined Sewer Basin is a 313 acre, predominantly residential basin located on the eastern bank of the Willamette river at the southern limits of the City. The sewer facilities serving this area consist of the Umatilla pump station, approximately 62,600 lineal feet of combined sewer lines, 11 diversion structures, and three outfalls. This project and the Harney Pump Station and Separation project will control the discharges from OF26A, OF26, and OF27 as recommended by the 2001 Update to the CSO Management Plan. This project must be complete by December 1, 2011 to comply with the mandated ASFO administered by DEQ. Control of CSO discharges at OF26A was completed on December 2001.

Funding Sources								
Sewer System Construction Fund	905,933	0	0	355,000	3,000,000	2,206,500	0	5,561,500
Total Funding Sources	905,933	0	0	355,000	3,000,000	2,206,500	0	5,561,500
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Swan Island Pump Station Phase 2							**Area:**	N
							Objective(s):	Mandate
Project Description								
This project will add the additional equipment (pumps, VFD's, switchgear, piping etc.) to the Swan Island Pump Station required for eastside CSO flows.								
Funding Sources								
Sewer System Construction Fund	0	0	0	0	0	0	600,000	600,000
Total Funding Sources	0	0	0	0	0	0	600,000	600,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Tanner Creek Basin Stream Diversion							**Area:**	NW
							Objective(s):	Mandate
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								
Sewer System Construction Fund	29,980,759	5,257,700	4,062,557	35,000	0	0	0	4,097,557
Total Funding Sources	29,980,759	5,257,700	4,062,557	35,000	0	0	0	4,097,557
Operating & Maintenance Costs			0	0	6,490	7,930	7,930	22,350

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Westside CSO Tunnel & Swan Is Pump Station							**Area:**	ALL
							Objective(s):	Mandate
Project Description								
The Westside CSO Tunnel and Swan Island Pump Station and force mains are the backbone of a system to transport CSO flows from service areas on the westside of the Willamette River to the CBWTP using existing and future services, pump stations, and pressure mains. The West Willamette CSO Control System will intercept existing outfalls along the westside of the Willamette River. It will convey flow in a 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 23,000-foot tunnel system with a 14-feet finished inside diameter and depths ranging between 100 feet to 150 feet from the ground surface to the tunnel. The tunnel system will function as both a conveyance and 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 mgd Swan Island Pump Station. Force mains will transport flows from the pump station to existing conduits for delivery of flow to the CBWTP. The City entered into an ASFO agreement with DEQ in August of 1994. This agreement calls for the City to control its 55 CSOs by 2011 with major deadlines to complete specific portions of necessary facilities. The first portion, the Columbia Slough CSO project, is now operational and complete. Construction of the second portion, the Westside Willamette River CSO projects, must be complete to the operational stage by December 1, 2006. Construction of the final portion, the Eastside Willamette CSO projects, by December 1, 2011, will bring the City into full compliance with the ASFO.								
Funding Sources								
Sewer System Construction Fund	212,670,750	94,449,312	61,357,342	16,943,419	0	0	0	78,300,761
Total Funding Sources	212,670,750	94,449,312	61,357,342	16,943,419	0	0	0	78,300,761
Operating & Maintenance Costs			80,000	1,140,000	1,216,040	1,305,000	1,139,640	4,880,680

Maintenance & Reliability

Basement Flooding & Reconstruction

Area: E

Objective(s): Maintenance

Project Description

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-1970s. Recently, the number of floodings had declined 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 1987 public facilities plan as needing relief.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Sewer System Construction Fund	1,300	0	1,000,000	1,000,000	2,000,000	2,000,000	2,000,000	8,000,000
Total Funding Sources	1,300	0	1,000,000	1,000,000	2,000,000	2,000,000	2,000,000	8,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

Insley/Taggart A Rehabilitation

Area: SE

Objective(s): Maintenance

Project Description

This project will provide an acceptable solution for the rehabilitiation 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 25-year storm design standard.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Sewer System Construction Fund	1,762,125	1,905,000	2,150,000	0	671,520	2,000,000	2,040,082	6,861,602
Total Funding Sources	1,762,125	1,905,000	2,150,000	0	671,520	2,000,000	2,040,082	6,861,602
Operating & Maintenance Costs			0	1,600	1,600	1,600	1,600	6,400

Lents 1 & 2 Sewer Basin Predesign

Area: SE

Objective(s): Mandate

Project Description

This project is a predesign study for Lents Basins 1 & 2. These two basins are combined sewer basins located in the Johnson Creek watershed in southeast Portland. This Project was identified in the BES Public Facilities Plan (1999) as well as the CSO Management Plan. Its purpose is to develop actions that will reduce basement flooding and control CSOs at OF27. Specifically, this study will address three types of identified system deficiencies: basement flooding (system capacity problems), structurally deteriorated pipes, and CSO at levels in excess of ASFO design storms. This study will outline actions to meet the ASFO 2011 deadline for controlling overflows from OF27. This predesign study is being conducted by an interdisciplinary team of BES staff with project management from the East Willamette Design Group.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Sewer System Construction Fund	262,326	0	500,000	1,000,000	0	2,000,000	8,000,000	11,500,000
Total Funding Sources	262,326	0	500,000	1,000,000	0	2,000,000	8,000,000	11,500,000
Operating & Maintenance Costs			0	0	0	0	0	0

Lents Crossing

Area: SE

Objective(s): Maintenance

Project Description

This project replaces the existing pipe, installed in the 1920s, that 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. The project will protect the structural integrity of the pipe by encasing the pipe in a reinforced, self-supporting concrete arch, and will repair 70 years of stream degradation brought about by the WPA work in the 1930s. The project will remedy the stream degradation by reducing the energy of the stream as a result of floodplain reconnection and channel bed slope adjustment over 1,700 feet of stream channel. Channel bed slope adjustment will be accomplished by means of three grade control structures. The grade control structures consist of large boulders, root wads, tree boles, cobbles, & gravels. All hydraulic grade controls and elements designed to reduce the energy or shear force of the stream will be designed as a natural system, as they will improve habitat value and function and will provide for fish passage under all flow conditions.

		Revised	Adopted	Capital Plan				
	Prior Years	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Sewer System Construction Fund	426,146	220,000	1,200,000	0	0	0	0	1,200,000
Total Funding Sources	426,146	220,000	1,200,000	0	0	0	0	1,200,000
Operating & Maintenance Costs			0	0	5,000	5,000	5,000	15,000

Maintenance Capital Construction

Area: ALL

Objective(s): Maintenance

Project Description

The sewage and drainage collection systems develop structural and capacity problems as development occurs and the system ages. This program addresses collection system deficiencies that are smaller in scope than those that are normally contracted out and that can be accomplished with existing maintenance crews and equipment. Individual project activities are determined in response to problems identified by TV inspection and field investigations during the course of the year. In addition, this project includes sump construction conducted by BOM crews. Examples of work performed under this project include multiple trash rack replacement, culvert replacement, sump and sediment manhole construction, manhole replacements, larger spot repairs and small reconstructions, diversion modifications, deep undergound repairs, and one block sewer replacements. Activities included under this project respond to or prevent system failures, and are implemented according to existing maintenance plans. These projects protect critical services and facility investments, and maintain the effective functioning of critical collection and stormwater system elements.

		Revised	Adopted	Capital Plan				
	Prior Years	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Sewer System Construction Fund	123,285	307,000	207,000	107,000	107,000	107,000	207,000	735,000
Total Funding Sources	123,285	307,000	207,000	107,000	107,000	107,000	207,000	735,000
Operating & Maintenance Costs			30,000	36,000	36,000	36,000	36,000	174,000

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. Recent efforts have focussed on more accurately assessing the condition of our most critical pipe segments so that construction work can be directed most appropriately and effectively. During any given fiscal year, sub-projects under this project are prioritized based on the criticality and condition of the facility, and the need to protect life and property.

		Revised	Adopted	Capital Plan				
	Prior Years	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Sewer System Construction Fund	687,077	2,605,000	2,250,000	2,000,000	2,000,000	2,000,000	2,000,000	10,250,000
Total Funding Sources	687,077	2,605,000	2,250,000	2,000,000	2,000,000	2,000,000	2,000,000	10,250,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Neighborhood Sump Construction

Area: E

Objective(s): Expansion

Project Description

Desired results of this project are to reduce or eliminate drainage problems on Portland streets that affect homeowners and businesses. Project deliverables are 36 new or improved sump systems, including sumps, sedimentation manholes, inlets, and connecting pipes. This project is needed to provide drainage facilities in neighborhoods with significant drainage problems. These neighborhoods have no other drainage facilities to collect and transport stormwater.

Funding Sources								
Sewer System Construction Fund	0	0	430,000	0	0	0	0	430,000
Total Funding Sources	0	0	430,000	0	0	0	0	430,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

NW CBD Sewer Reconstruction

Area: NW

Objective(s): Maintenance

Project Description

This project will restore the structural integrity and increase the flow capacity of the combined sewers within the NW Central Business District (NW CBD) basin. The NW CBD basin is located in the northwest portion of downtown Portland. Properties in this vicinity have been served by a combined sewer system since 1867. Since this time, the area has been fully developed and the sewers have deteriorated, rendering the existing sewer system unable to provide adequate service. The NW CBD Predesign Report was developed to determine the extent of the improvements necessary to stabilize this sewer system, preventing system failure. The predesign report recommends six prioritized construction phases to correct the problems experienced in this basin. The proposed phases are listed as follows: Phase 1 W Burnside St Sewer Reconstruction in the design phase; Phase 2 Unit 1 - NW Everett St Sewer Reconstruction was completed during FY 1999-00, Unit 2 - NW Everett, Naito, NW 1st Ave. Sewer Reconstruction included in the CIP as a future project; Phase 3 NW Davis St Sewer Reconstruction was completed during FY 1998-99; Phase 4 Unit 1 - NW Couch St Sewer Reconstruction was completed during FY 2002-03. Unit 2 - NW Couch St Sewer Reconstruction in progress; Phase 5 Relief Lines Sewer Reconstruction was completed during FY 1999-00; Phase 6 Unit 1 - NW Glisan St Sewer Reconstruction was completed during FY 1996-97. Unit 2 - NW Glisan St Sewer Reconstruction in the predesign phase.

Funding Sources								
Sewer System Construction Fund	892,741	0	1,155,100	0	0	0	0	1,155,100
Total Funding Sources	892,741	0	1,155,100	0	0	0	0	1,155,100
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

NW Combined Sewer Relief

Area: NW

Objective(s): Mandate

Project Description

The Tanner B/Fremont/Nicolai Basins Combined Sewer Relief project will begin with a predesign study that will evaluate the effects of recent improvements in the basins under the Tanner Creek/River District projects and the Tanner Creek Sewer Separation program. The flow in the basin will be monitored to determine the true response of the system and calibrate the hydrologic and hydraulic models. Additional pipes not included in the Large Diameter Sewer Inspection project will be video inspected to evaluate the structural integrity of basin sewers. The predesign report will define the scope of needed improvements, develop alternatives to correct system deficiencies, and present recommendations for design and construction projects in a phased, prioritized approach for flexibility. Phased design and construction secondary projects will be budgeted in the five-year CIP after completion of this predesign report.

Funding Sources								
Sewer System Construction Fund	1,006,840	0	1,630,000	1,400,000	3,700,000	5,000,000	5,000,000	16,730,000
Total Funding Sources	1,006,840	0	1,630,000	1,400,000	3,700,000	5,000,000	5,000,000	16,730,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Riverside Basin Rehabilitation								
Area: N								
Objective(s): Maintenance								
Project Description								
A predesign study and assessment of the combined sewer collection system within the Riverside Basin was completed in 1997. This study found through video inspection, field investigation, and review of maintenance records that there are significant structural problems within the piped collection system throughout the Riverside Basin. Recent collapse of portions of pipe in scattered areas of the basin and other system failures are attributed to the age of the system (87+ years), the methodology of pipe installation, and the quality of materials at the time the system was constructed. The Riverside Basin Combined Sewer Replacement and Rehabilitation project has identified 22 secondary projects to meet the most critical basin needs. Fourteen of these were completed from 1998 to 2003.								
Funding Sources								
Sewer System Construction Fund	192,937	0	21,000	20,000	100,000	100,000	100,000	341,000
Total Funding Sources	192,937	0	21,000	20,000	100,000	100,000	100,000	341,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Sullivan Sewer Rehabilitation								
Area: NE								
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								
Sewer System Construction Fund	41,881	550,000	190,000	0	0	0	0	190,000
Total Funding Sources	41,881	550,000	190,000	0	0	0	0	190,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Sullivan/Stark/Holliday Basins								
Area: E								
Objective(s): Maintenance								
Project Description								
This project started with a combined predesign study of the Sullivan, Stark and Holladay basins. All three basins have identified basement flooding, pipeline condition, and pipeline conveyance problems. The predesign study was completed in July 2002. In 2005, two projects from the predesign are active in either final design or construction. They are Sandy/Hollywood Basement Flooding and Relief and HOTSU Inflow Control projects. All other projects identified in the predesign are listed under this primary job and are scheduled for future completion.								
Funding Sources								
Sewer System Construction Fund	1,460,545	2,934,169	5,002,000	1,061,000	0	42,000	213,000	6,318,000
Total Funding Sources	1,460,545	2,934,169	5,002,000	1,061,000	0	42,000	213,000	6,318,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

SW Woods Outfall

Area: SW

Objective(s): Maintenance

Project Description

The purpose of this project is to repair the SW Woods Outfall structure (OF30) located near the Ross Island Bridge along the west bank of the Willamette River. Constructed in about 1896, the SW Woods Outfall, a 60-inch diameter circular brick pipe, serves as an overflow discharge point for the combined sewer from the Woods Basin/SW interceptor sewer to the Willamette River. Currently an extension pipe placed by the property owner in 1962 has collapsed. At the connection between the brick sewer and extension pipe, a scour pit has formed approximately 100 feet from the harbor line. Sediment is now accumulating within the 60-inch brick sewer and is causing a backwater condition into the southwest interceptor sewer. This project will involve working along the river within the flood plain, and a considerable amount of landscaping and grading work, under permit with Corps of Engineers, US Fish and Wildlife, and National Marine Fisheries Service. Additional oversight from the City's Bureau of Planning is also anticipated in light of the greenway plans along the west shore of the Willamette River.

Funding Sources								
Sewer System Construction Fund	61,108	0	50,000	0	0	0	0	50,000
Total Funding Sources	61,108	0	50,000	0	0	0	0	50,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Taggart B&C Rehabilitation

Area: SE

Objective(s): Mandate

Project Description

This project will address the basement flooding problems and correct the combined sewer deficencies 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 eastside ASFO implementation scheduled completion date of December 1, 2011.

Funding Sources								
Sewer System Construction Fund	2,670,712	0	0	35,000	520,500	4,522,500	12,000	5,090,000
Total Funding Sources	2,670,712	0	0	35,000	520,500	4,522,500	12,000	5,090,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Taggart D Basin Sewer Separation

Area: SE

Objective(s): Mandate

Project Description

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 through the 25-year storm in the Taggart D Basin. Currently, the recommendations of the predesign study are revisited to address system needs identified in predesign and to improve watershed health in the basin. This basin is a 1,432-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.

Funding Sources								
Sewer System Construction Fund	341,588	500,000	1,000,000	510,000	2,766,700	8,334,200	5,913,400	18,524,300
Total Funding Sources	341,588	500,000	1,000,000	510,000	2,766,700	8,334,200	5,913,400	18,524,300
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Taggart Sewer Rehabilitation

Area: SE

Objective(s): Maintenance

Project Description

This project is part of the 40 projects recommended in the Taggart B, C, and D Basins Sewer Relief and Reconstruction Predesign to correct hydraulic deficiencies and basement flooding in the area. Included in this project are two sub-projects: SE Insley and 50th Sewer Rehabilitation project to replace 483 feet of structurally deficient 8-inch pipe, and SE Lafayette Street and 22nd Sewer Rehabilitation project to replace 320 feet of structurally deficient 60-inch pipe and 220 feet of structurally deficient 8-inch pipe.

Funding Sources								
Sewer System Construction Fund	7,289	0	45,000	517,000	5,000	0	0	567,000
Total Funding Sources	7,289	0	45,000	517,000	5,000	0	0	567,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Taylor Trunk Relief

Area: SW

Objective(s): 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. A Sanitary Sewer Evaluation Study was conducted that evaluated collection system hydraulics, infiltration and inflow characteristics, and the structural condition of the southwest Portland separated sewer system. The study identified 2,300 feet of the Taylor Trunk, immediately downstream of the 31st and Multnomah diversion structure as hydraulically deficient. Recent changes in the TCWTP service area and the addition of the Fanno Pump Station have dramatically changed the way flows are collected and conveyed within the basin. This fundamental change in system operation makes the Tryon Creek Interceptor and Taylor Trunk Sewer the two critical conveyance facilities within the service area.

Funding Sources								
Sewer System Construction Fund	234,159	600,000	1,201,000	0	0	0	0	1,201,000
Total Funding Sources	234,159	600,000	1,201,000	0	0	0	0	1,201,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Western Half Lents 1 Separation

Area: SE

Objective(s): Mandate

Project Description

This project will partially (70%) separate the storm sewer from the existing combined sewer system in West Lents 1 Basin. The scope of the project inculdes constructing aproximate 5,000 feet of storm sewer pipes (12 inch to 36 inch), installing a local stormwater treatment facility, and modifying/upgrading Harney Pump Station.

Funding Sources								
Sewer System Construction Fund	166,116	0	0	0	0	126,800	1,000,000	1,126,800
Total Funding Sources	166,116	0	0	0	0	126,800	1,000,000	1,126,800
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Wheeler Structure 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. The Large Diameter Sewer Inspection Report (June 1998) lists this pipe run as having longitudinal fractures and pipe deformation. In the report, the pipe was assigned a structural grade of 1, operation grade of 1, and rehabilitation level of 4. A structural grade and operational grade of 1 indicates immediate attention is required. A rehabilitation level of 4 corresponds to a recommendation of structural rehabilitation of the sewer. The pipe is in poor structural condition with long cracks and a lack of mortar in the brick. Crown seperation may be significant. Operationally, it is impaired due to sediment along the invert and mineral deposits.

Funding Sources								
Sewer System Construction Fund	92,278	600,000	0	0	0	0	0	0
Total Funding Sources	92,278	600,000	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Sewage Treatment Systems

CBWTP Aeration Basin Repairs

Area: N

Objective(s): Maintenance

Project Description

This project will stop the deterioration of the interior surfaces of the aeration basin located at the CBWTP, by repairing cracks in the concrete walls and deteriorated expansion joints, and 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								
Sewer System Construction Fund	177,143	120,000	132,500	0	0	0	0	132,500
Total Funding Sources	177,143	120,000	132,500	0	0	0	0	132,500
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

CBWTP Automation

Area: N

Objective(s): Maintenance

Project Description

The CBWTP Automation project is an ongoing one and makes automation improvements at the treatment plant. The potential benefits automation offers are increased organizational productivity, energy savings, and material or process cost reductions. A proactive approach to expanding the ability to monitor and control has been taken because of continued growth in the collection and treatment systems and the desire to maintain the current staffing levels, and potentially reduce the operations staffing level. Control and communications systems for existing facilities are being brought up to the level of the newer facilities installed with other major capital projects. The scope of the CBWTP Automation project is focused on automating processes, upgrading the facilities communications network, implementing energy utilization monitoring, and expanding and upgrading the video monitoring system.

Funding Sources								
Sewer System Construction Fund	1,185,370	60,000	45,000	40,000	50,000	50,000	50,000	235,000
Total Funding Sources	1,185,370	60,000	45,000	40,000	50,000	50,000	50,000	235,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan				
	Prior Years	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

CBWTP Co-Generation Project

Area: N

Objective(s): Efficiency

Project Description

This project will utilize digester gas, which is currently wasted by burning, to generate electrical energy that could provide 63% of the projected electrical energy requirements for the CBWTP. The gas turbine could also provide heat to meet the plant process and space heating requirements. It is estimated that over a period of 15 years, the system could generate a positive cash flow of about $2.1 million.

Funding Sources								
Sewer System Construction Fund	0	0	200,000	0	0	0	0	200,000
Total Funding Sources	0	0	200,000	0	0	0	0	200,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan				
	Prior Years	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

CBWTP Conversion

Area: N

Objective(s): Efficiency

Project Description

This 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 considered safer, easier to handle, and simpler to operate. The savings in equipment maintenance cost is estimated at $7,000 a year. The CBWTP Sodium Hypochlorite Conversion Predesign Report (August 2002) confirms the need for the project. The recommended alternative is that all effluent and process desinfection needs will be met using undiluted (neat) sodium hypochlorite delivered in rail tank cars or by truck. Sodium hypochlorite will be stored in a combination of two 20,000 gallon rail cars, three 13,500 gallon storage tanks located in the chlorine building, and two 7,500 gallon storage tanks located southeast of the secondary clarifiers. The total 75,500 gallons of storage capacity provides 20 days of storage under annual average conditions at ultimate plant expansion. The 7,500 gallon storage tanks will serve as temporary storage during construction. Sodium hypochlorite will be conveyed from the chlorine containment building to the smaller storage tanks by a single pass distribution line. Disinfection for wet weather flow, dry weather flow, and process needs will be supplied through a continuous distribution loop supplied by the smaller storage tanks.

Funding Sources								
Sewer System Construction Fund	385,443	2,050,000	1,200,000	0	0	0	0	1,200,000
Total Funding Sources	385,443	2,050,000	1,200,000	0	0	0	0	1,200,000
Operating & Maintenance Costs			40,000	10,000	(60,000)	(60,000)	(60,000)	(130,000)

	Revised	Adopted	Capital Plan				
	Prior Years	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

CBWTP Odor Control

Area: N

Objective(s): Mandate

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								
Sewer System Construction Fund	2,239,013	94,500	0	0	0	0	0	0
Total Funding Sources	2,239,013	94,500	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

CBWTP Outfall Line Rehabilitation

Area: N

Objective(s): Maintenance

Project Description

This project involves repair of the existing 102 inch semi-elliptical outfall line from CBWTP to the Columbia River to insure that it can withstand the internal pressures to which it may be subjected during periods of high plant flow and high river stage, and to enable it to function effectively in tandem with a second outfall constructed in 2000 for wet weather flows. The original two mile, 102 inch outfall was constructed in 1948. Little if any work has been done on this outfall line since its construction, although minor caulking and repairs were made in 1999. An adjacent parallel 72 inch high head pipeline from the CBWTP to the Oregon Slough (joining the 102 inch line at that point) was constructed in 1972. The latest recommendation is to line the entire length of the existing 102 inch pipeline with an 87 inch circular steel liner. This recommendation is significantly different from the initial recommendation of making structural repairs. In the fall of 1997, the recommendation was further modified to propose only lining the pipeline between the Columbia Slough and the Oregon Slough. Because the Hayden Island section is subject to lower operating pressures, a lower cost method of rehabilitation would be considered.

Funding Sources

Sewer System Construction Fund	299,538	40,000	2,140,000	3,000,000	0	160,000	0	5,300,000
Total Funding Sources	299,538	40,000	2,140,000	3,000,000	0	160,000	0	5,300,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Pump Station Improvement Program

Area: ALL

Objective(s): Mandate

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. The approved Pump Station Improvement Plan will guide the selection of pump station improvement projects within the capital improvement program. The City currently operates and maintains 96 pump stations. Many of these stations are aging, have out-of-date equipment, require maintenance, or need improvements to remain in compliance with present codes. This program was developed to ensure these facilities are maintained in accordance with a scheduled plan. During the first year of the program a Pump Station Design Manual was developed that detailed the design criteria for the City's use in construction and remodel of wastewater pump stations. Pump stations over 20 years old or that have a history of high maintenance and failures are ranked by Pump Station Engineering and the Pump Station Maintenance Division for inclusion in the improvement program. In the last six years there has not been a bypass reported due to mechanical breakdown. This program is necessary to increase pump station reliability, reduce or avoid increases in maintenance costs, and avoid failures that will cause sewage to bypass to metropolitan area waterways.

Funding Sources

Sewer System Construction Fund	3,380,536	1,260,000	2,000,000	1,600,000	1,600,000	1,600,000	1,600,000	8,400,000
Total Funding Sources	3,380,536	1,260,000	2,000,000	1,600,000	1,600,000	1,600,000	1,600,000	8,400,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Sullivan Pump Station Repairs

Area: NE

Objective(s): Maintenance

Project Description

This project will replace the Sullivan Pump Station variable speed drives, pump controls, and make other modifications, which improve reliability and decrease maintenance requirements. The Sullivan Pump Station is the key pump station in conveying eastside flows to the CBWTP. Pump station malfunctions can easily result in bypasses to the Willamette River. (This was the case in January of 1999 when an estimated 1.6 million gallons of wastewater was bypassed to the river and resulted in a $4,200 fine from DEQ and significant BES staff involvement.) The present variable speed drive (VSD) equipment was installed at the Sullivan Pump Station in 1992. The equipment has a useful life of about 8 to 10 years. Likewise the programmable logic controller (PLC) equipment is 12 years old. The PLC equipment arrangement is also very complex. This project will replace the existing PLC equipment with the current BES standard and dedicate one PLC to each pump. Other control elements, which consist of wet well level controls and pump vibration sensors, and the existing Venturi meter on the east force main will also be upgraded to the current BES standard. Upgrades will also be made to the pump drive lines, channel gates, wet well lighting, wet well debris retrieval system, security system, entrance gate, pump station doors, and painting to address the concerns of pump station maintenance staff. Finally, the design and installation of screens for pump protection will be included. (Due to the unique configuration of the pump station wet well, if a preliminary design for screens cannot be produced to meet the approval of BES, this element will be deleted from the project.)

Funding Sources								
Sewer System Construction Fund	386,922	700,000	2,118,000	0	0	0	0	2,118,000
Total Funding Sources	386,922	700,000	2,118,000	0	0	0	0	2,118,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

TCWTP Addition of a Third Secondary Clarifier

Area: SW

Objective(s): Expansion

Project Description

This is a future project to add a third secondary clarifier at TCWTP.

Funding Sources								
Sewer System Construction Fund	0	62,250	0	0	0	0	0	0
Total Funding Sources	0	62,250	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Treatment Facilities Rehabilitation-Modification

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								
Sewer System Construction Fund	3,876,625	1,260,000	2,000,000	2,100,000	2,100,000	1,750,000	1,750,000	9,700,000
Total Funding Sources	3,876,625	1,260,000	2,000,000	2,100,000	2,100,000	1,750,000	1,750,000	9,700,000
Operating & Maintenance Costs			(10,000)	(20,000)	(30,000)	(40,000)	(50,000)	(150,000)

Surface Water Management

92nd Drive Water Quality Facility

Area: NE

Objective(s): Mandate

Project Description

Water sample analysis shows the stormwater runoff at the site exceeds TMDL limits. This project will construct a Water Quality Facility (WQF) near the northeast corner of NE 92nd Drive and Glass Plant Road. The WQF will discharge treated stormwater to an emergent wetland (planted by BES in FY 2001-02) that drains into Johnson Lake to meet the water quality requirement and manage local stormwater runoff.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Sewer System Construction Fund	44,197	0	200,000	0	0	0	0	200,000
Total Funding Sources	44,197	0	200,000	0	0	0	0	200,000
Operating & Maintenance Costs			0	0	140	140	140	420

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 Avenue 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 quallity.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Sewer System Construction Fund	1,345,607	2,446,980	1,900,000	0	0	0	0	1,900,000
Total Funding Sources	1,345,607	2,446,980	1,900,000	0	0	0	0	1,900,000
Operating & Maintenance Costs			0	0	0	0	0	0

Fanno Projects 39th-Shattuck

Area: SW

Objective(s): Mandate

Project Description

This is a stream enhancement/stormwater quality and detention project at 45th and Shattuck along Fanno Creek. The main objective of the project is to reduce phosphorous in the creek. This will be accomplished through erosion control, bank stabilization, and riparian and habitat enhancement.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Sewer System Construction Fund	336,794	15,000	0	0	0	0	0	0
Total Funding Sources	336,794	15,000	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

Fanno WQWD Tower

Area: SW

Objective(s): Mandate

Project Description

This project will design and construct a wetland enhancement area on property adjacent to the Oregon Episcopal School, lower and stabilize streambanks along the main stem of Fanno Creek, and create/upgrade stream habitat and riparian corridor next to the wetland enhancement area. This site is entirely in Washington County. All design and construction will be done by Clean Water Services through an intergovernmental agreement. The total estimated project cost is $1,600,000, with a BES contribution of only $300,000.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Sewer System Construction Fund	145,376	0	100,000	0	0	0	0	100,000
Total Funding Sources	145,376	0	100,000	0	0	0	0	100,000
Operating & Maintenance Costs			0	0	0	0	0	0

Fanno/Tryon Water Quality TMDL

Area: SW

Objective(s): Mandate

Project Description

This project's scope is to design and construct CIP projects within the Fanno Creek and Tryon Creek watesheds. It includes initiation of recommendations from the Fanno/Tryon Watershed Plan and response to TMDL objectives.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Sewer System Construction Fund	0	0	365,000	300,000	0	0	0	665,000
Total Funding Sources	0	0	365,000	300,000	0	0	0	665,000
Operating & Maintenance Costs			0	0	0	0	0	0

Green Solutions

Area: ALL

Objective(s): Efficiency

Project Description

One of the current goals for BES is the incorporation of Green Solutions into CIP projects. This goal is attained via a process of evaluating submitted project work plans for the potential of introducing Green Solutions into project scope.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Sewer System Construction 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
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Johnson Creek Restoration Program

Area: SE

Objective(s): Efficiency

Project Description

The Johnson Creek Restoration program is the result of the City's commitment to improving water quality and fish habitat, and reducing flood damages in the Johnson Creek watershed. In 2001, the City adopted the Johnson Creek Restoration Plan (JCRP) which identified recommended actions for each of the watershed's 58 reaches. Further analysis of the stream through modeling substantiates the Restoration Plan recommendations by indicating that middle and lower sections of Johnson Creek present the best opportunities for restoration. As more information is incorporated through future watershed planning efforts, revised plans will be adopted by Council and will be used to guide this program. This program packages these actions into high priority projects along the mainstem of the creek. The program involves implementing multiple projects simultaneously and formalizes the logic for their prioritization, scheduling, and funding.

Funding Sources

Sewer System Construction Fund	2,930,845	775,510	900,000	1,000,000	900,000	856,383	550,000	4,206,383
Total Funding Sources	2,930,845	775,510	900,000	1,000,000	900,000	856,383	550,000	4,206,383
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

NE 148th Water Quality Facility

Area: NE

Objective(s): Mandate

Project Description

This project entails designing and constructing a Water Quality Facility (WQF) for the NE 148th Avenue stormwater basin. The site for the WQF is just north of Sandy and west of NE 148th Avenue. The WQF will intercept stormwater from the 763-acre basin and treat it before discharge to the Columbia Slough. Water quality improvements from this project will improve fish and other aquatic habitat and increase the aesthetic and recreational value of the watershed by decreasing visual and odor problems. This WQF will provide partial compliance with the TMDLs, the NPDES MS4 permit, and the Columbia Slough Sediment Consent Order. The project site was identified in the South Shore Existing Drainage Issues report by BES dated 1993. The public outfall located at the site is ranked #2 for overall pollutant load in the candidate sites for Columbia Slough Pollution Reduction Facilities study, performed by Woodward-Clyde in 1998.

Funding Sources

Sewer System Construction Fund	0	0	0	135,000	111,300	1,573,400	4,039	1,823,739
Total Funding Sources	0	0	0	135,000	111,300	1,573,400	4,039	1,823,739
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

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 a 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: creating wetland benches to filter stormwater and restore habitat; replacing culverts to allow for better hydrology; enhancing off-channel wetlands to filter stormwater and restore habitat; and installing water quality facilities to improve water and sediment quality. The design and construction costs of all these components are approximately $4.8 million. The City's 25% match is approximately $1.2 million, reflected in the budget for this project. Both the COE and the City will mostly be providing their match as in-kind services. Small cash payments to balance out the match will likely be made in the first and last year of the project.

Funding Sources

Sewer System Construction Fund	736,480	267,211	590,000	447,000	0	0	0	1,037,000
Total Funding Sources	736,480	267,211	590,000	447,000	0	0	0	1,037,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Sump Restoration							**Area:**	NE
							Objective(s):	Expansion
Project Description								
This project will provide solutions for approximately 489 underground injection controls (UICs) that are estimated to have less than 10 feet of separation distance between the bottom of the UIC and groundwater. These UICs represent one of the largest and highest priority subset of UICs that will require early action in response to permit conditions. Early action will allow the City to be proactive in identifying and prioritizing solutions and phasing implementation of those solutions to meet permit timelines. BES is currently in negotiation with DEQ developing a permit to cover the City's 8,500 active UICs. As part of this permit the City will be required to identify any UICs that will not meet conditions of the permit. Once these systems have been identified the City will have three full CIP cycles (estimated to end in FY 2009-10) to bring all UICs into compliance with permit requirements, either through retrofits or decommissioning.								
Funding Sources								
Sewer System Construction Fund	0	0	0	0	0	1,000,000	1,000,000	2,000,000
Total Funding Sources	0	0	0	0	0	1,000,000	1,000,000	2,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Taylors Ferry WQ Facility							**Area:**	SW
							Objective(s):	Expansion
Project Description								
This project will construct a water quality facility at 1711 SW Taylors Ferry Rd to treat stormwater from adjoining drainage basins before it enters a tributary to Tryon Creek.								
Funding Sources								
Sewer System Construction Fund	78,986	26,000	50,000	0	0	0	0	50,000
Total Funding Sources	78,986	26,000	50,000	0	0	0	0	50,000
Operating & Maintenance Costs			0	0	750	750	750	2,250

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Tryon Creek Headwaters							**Area:**	SW
							Objective(s):	Replacement
Project Description								
This project is a public/private redevelopment project located in SW Portland. BES is partnering with PDC and a private developer, Winkler Development Corporation, to achieve site redevelopment and stream restoration for a tributary of Tryon Creek.								
Funding Sources								
Sewer System Construction Fund	1,907	0	545,000	0	0	0	0	545,000
Total Funding Sources	1,907	0	545,000	0	0	0	0	545,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Vermont Creek Birkland

Area: SW

Objective(s): Mandate

Project Description

This project is a multi-objective, water quality, stream restoration, and wetland construction project on Vermont Creek. The site is located immediately downstream of the Tareen site. This site will be an important component of the City strategy to meet the Tualatin TMDL.

Funding Sources								
Sewer System Construction Fund	49,285	0	10,000	0	0	0	0	10,000
Total Funding Sources	49,285	0	10,000	0	0	0	0	10,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Wellhead Sump Retrofit

Area: E

Objective(s): Mandate

Project Description

This project will provide for the required retrofit of 34 sumps with sedimentation manholes. These sumps are within the City Council adopted Columbia South Shore Wellfield Wellhead Protection Area. The sumps must be retrofitted before June 30, 2008. The expected project benefits are: protection of drinking water resources, and protection of groundwater beneficial uses, including aquifer and surface water recharge and maintaining surface water base flow and temperature.

Funding Sources								
Sewer System Construction Fund	2,439	113,358	0	0	0	0	0	0
Total Funding Sources	2,439	113,358	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Systems Development

Com/Ind/Res Sanitary Sewer Extension

Area: ALL

Objective(s): Mandate

Project Description

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 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. The Com/Ind/Res Sewer Extension program will allow construction of infrastructure for existing com/ind/res sites when a documented need for such facilities is established. This program will provide sewer service to remaining developed or partially developed unsewered areas within the City's service boundary. A Com/Ind Sewer Extension Program Master Plan and a Residential Sewer Extension Program Master Plan were developed to provide a summary of each unsewered area including a preliminary design, cost estimate, onsite septic system information, and property ownership. Projects were also identified by priority for implementation. These areas vary in size from a small residential lot to a large industrial site. These unsewered areas may have facilities served by onsite septic systems and may contain vacant parcels of land that are available for infill development.

Funding Sources								
Sewer System Construction Fund	435,651	192,427	1,495,000	1,495,000	1,495,000	1,500,000	1,500,000	7,485,000
Total Funding Sources	435,651	192,427	1,495,000	1,495,000	1,495,000	1,500,000	1,500,000	7,485,000
Operating & Maintenance Costs			5,000	6,000	7,000	8,000	9,000	35,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Drainage Improvement

Area: ALL

Objective(s): Expansion

Project Description

The Drainage Improvement Program (DIP) provides assistance to projects initiated through Local Improvement District (LID) or Public Works Permit processes for oversizing of storm drainage facilities or upgrading of existing public downstream drainage systems. This program was created in FY 1990-91 in response to drainage improvement needs throughout the city. In qualifying projects, DIP provides sewerage system funding for the over-sizing of facilities developed privately through the Public Works Permit processes or through LIDs. Over-sizing provides projected capacity needs over the expected useful life of the facilities. In such cases, private developers or LID participants fund the capacity required to serve their own development, and DIP provides funding for additional capacity required to serve development anticipated to occur at a later date. Additionally the DIP provides financial assistance to LIDs for increasing storm system capacity to adequately manage drainage being conveyed from beyond their local drainage basin.

Funding Sources								
Sewer System Construction Fund	979,546	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Total Funding Sources	979,546	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Office of Transportation Interagencies

Area: ALL

Objective(s): Expansion

Project Description

This program provides for stormwater facility and sanitary sewer design, design review, and construction inspection services associated with street improvement projects initiated by the Office of Transportation, Bureau of Transportation Engineering and Development (BTE&D). Street improvement projects are defined, initiated and managed by BTE&D from their Arterial and Local Design Engineering groups. These projects require the review, design, construction, and inspection of storm facilities and/or sanitary sewers. BTE&D requests necessary services and reimburses BES for all costs of these services through an interagency agreement.

Funding Sources								
Sewer System Construction Fund	2,159,454	88,900	25,000	25,000	25,000	25,000	25,000	125,000
Total Funding Sources	2,159,454	88,900	25,000	25,000	25,000	25,000	25,000	125,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

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								
Sewer System Construction Fund	663,052	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Total Funding Sources	663,052	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Permits

Area: ALL

Objective(s): Expansion

Project Description

This ongoing, full cost recovery project supports new development within the service area by providing for new public sewer system facilities through the public works permitting process. The permit process is defined in Title 17, Chapter 17.24, Permits. When proposed development creates the need for additional sewer system facilities, private developers are required to construct those facilities under this program. As part of the permit process, BES reviews and approves both plans and final construction for compliance with system standards. Facilities developed through this process are accepted as part of the City's sewerage system when completed and approved. Thereafter, maintenance and repair are provided by the City. Facilities must be developed to system standards to insure that expensive maintenance problems and service failures do not occur. This program pays for the staff management/review time and inspection of the projects. These costs are recovered through permit fees upon completion of the projects. There are costs not recovered such as drafting time for as-builts, close out, and finalizing of the projects. The construction costs are borne by the developers. Public Works permitted projects are forecast to increase now that the Mid-County project is completed. The completion of annexation of the Mid-County area has resulted in increased demands for additional required public facilities. Other factors that will impact public works permit projects are NPDES requirements and surface water quality needs. The number of projects are controlled by the development community and is market driven.

Funding Sources

Sewer System Construction Fund	0	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
Total Funding Sources	0	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
Operating & Maintenance Costs			180,000	210,000	240,000	270,000	300,000	1,200,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

South Airport Sanitary Trunk Sewer

Area: NE

Objective(s): Expansion

Project Description

The objective of the South Airport Sanitary Trunk Sewer project is to provide needed design and construction for sanitary trunk sewers to serve the basin. The project basin area is approximately 1,300 acres in northeast Portland near Columbia Blvd from 42nd Avenue to Colwood Way, including a large area at the airport. The project is broken into numerous phases for design and construction. Phase II is currently under construction with an anticipated completion date of 2005. Phase II will complete sewer improvements on the north side of the Whitaker Slough east of 63rd Ave, a pump station also on the north side of Whitaker Slough, and sewer on the south side of Whitaker Slough from east of NE 63rd Ave to NE 59th Ave. Phase I of the project will complete sewer improvements on NE 63rd, NE 64th, & Colwood Way. Phase II-A will complete sewer improvements on NE Bryant St & NE Skyport Way. Phase III-A will complete sewer improvements from NE 59th going east and south to Columbia Blvd. Phase III will complete sewer improvements from NE Columbia Blvd north and west to west of NE 47th Ave and tie into pump stations built in Phase IV. Phase IV will construct three pump stations, two on NE 47th Ave and one on NE 42nd Ave. Phase IV work needs to be substantially complete prior to NTP for Phase III and Phase V. Phase V will complete sewer work tying into the pump stations built in Phase IV.

Funding Sources

Sewer System Construction Fund	3,118,760	7,074,500	4,500,000	0	0	0	0	4,500,000
Total Funding Sources	3,118,760	7,074,500	4,500,000	0	0	0	0	4,500,000
Operating & Maintenance Costs			0	30,000	30,000	32,000	32,000	124,000

Remediation

Billing System Replacement

Area: Undef

Objective(s): Replacement

Project Description

This project was opened to serve as an account into which charges will be posted and tracked regarding that portion of new billing system costs assigned to BES.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Sewer System Construction Fund	896,956	5,143,953	4,961,579	0	0	0	0	4,961,579
Total Funding Sources	896,956	5,143,953	4,961,579	0	0	0	0	4,961,579
Operating & Maintenance Costs			0	0	0	0	0	0

Longview City Laundry & Cleaners Remediation

Area: NW

Objective(s): Maintenance

Project Description

Remediation of the Longview City Laundry & Cleaners (LCL&C) is authorized by City Council Ordinance No. 168296, dated November 16, 1994. The preoject 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 minize business disruptions.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Sewer System Construction Fund	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
Operating & Maintenance Costs			0	0	0	0	0	0


CITY OF PORTLAND, OREGON
1851

Bureau of Water Works
Overview and Financial Tables

Bureau Summary

Bureau Vision

The Portland Bureau of Water Works provides the highest quality water, customer service, and stewardship of the critical infrastructure, fiscal, and natural resources entrusted to our care. We enhance public health and safety and contribute to the economic viability and livability of the Portland metropolitan region. We are a recognized leader among water service agencies across the country.

Bureau Mission

The bureau's mission is to:

- Provide reliable water service to customers in the quantities they desire and at a quality level that meets or exceeds both customer and regulatory standards.
- Provide the highest value to customers through excellent business, management, and operational practices, and appropriate application of innovation and technology.
- Be responsible stewards of the public's water infrastructure, fiscal, and natural resources.
- Provide the citizens and the City Council with a water system that supports their community objectives and overall vision for the City of Portland.

CIP Highlights

The Bureau of Water Works' Capital Improvement Program (CIP) addresses water system infrastructure needs for the next five fiscal years, beginning in FY 2005-06. This document provides an overview of the CIP, describes the program's overall direction and strategic objectives, outlines the planning process, and gives descriptions of CIP projects planned or currently under way. The CIP contains the major maintenance and improvement plan for the water system. Updated annually, the CIP serves as the tool for the bureau and City Council to direct capital work.

Portland Water System

The water system is owned and operated by the City of Portland and is funded primarily by the utility rate. It is the largest domestic water system in Oregon, serving more than 900,000 people. Water flows from two sources: the Bull Run Watershed, located on the western flanks of Mount Hood, and the Columbia South Shore Well Field, near the banks of the Columbia River, west of the city of Troutdale.

Average water use over a typical year is about 103 million gallons per day. On a hot summer day, however, demands can reach 200 million gallons or more. Approximately 37 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 sold to customers in 19 surrounding cities and special water districts.

The water system is composed of:

- A primary surface water supply with two dams located in the Bull Run Watershed.
- A back-up and supplementary groundwater supply system with more than 25 wells.
- Three conduits running 25 miles between the Bull Run Watershed and the City.
- In-City storage capacity of about 300 million gallons in 70 tanks, five open reservoirs, and one buried reservoir.

- 40 pump stations.
- 255 regulator stations with about 640 regulators.
- A pipeline network of more than 2,000 miles of pipe of various sizes.
- More than 13,000 fire hydrants.
- Over 50,000 regulating valves.
- Service connection to about 177,000 retail residential and commercial customers (including new customers from Powell Valley Road Water District).

The Water Bureau has developed a capital program that responds to the priorities identified by the City Council and key stakeholders for the drinking water system. The CIP is closely linked to the bureau's Five-Year Financial Plan, and contains 50 projects with costs totaling $52.3 million for FY 2005-06 and $248.5 million over the five-year period.

Water Bureau staff have recalculated the projected water billing rates for the five-year financial forecast based on proposed changes to the CIP and base budgets and other factors affecting rates. Those factors include projected demand estimates, inflation factors, reduced utility license fee requirements, the transfer of Powell Valley Road Water District into the City, and the transfer of the Customer Service function to OMF.

Financial planning assumptions regarding wholesale demand and revenues have been based on the current contract since negotiations and public review of a new draft contract have not yet concluded. The Water Bureau's overall residential rate increase for FY 2005-06 is 0.6%, a significant reduction from the previous FY 2004-05 Adopted Plan projected rate increase of 7.0%.

It is expected that CIP investments will continue to increase, but at a lower level than previously anticipated. The major infrastructure issues confronting the Water Bureau are identified in the next section.

Because of financial constraints and staffing limitations, the Water Bureau has been unable to fully implement the adopted CIP budgets in the past several years. In order to meet this challenge, the bureau is implementing changes in processes, organization, and resources to deliver the CIP at proposed levels.

Major Issues

The Water Bureau is proposing to scale back the size of the five-year CIP to help address community and City Council concerns about the affordability of City utility services, particularly the Bureau of Environmental Services' Combined Sewer Overflow projects. A reduced CIP also creates capacity to address the growing recurring maintenance backlog in the non-capital operations and maintenance budget. The proposed FY 2005-2010 CIP begins to address the maintenance backlog and more immediate short-term water system infrastructure needs, problems, and deficiencies as identified through past planning and analysis.

The specific priorities for the capital program over the next five years include:

- Develop a Capital Improvement Plan that reflects community priorities and values and is funded at a level responsive to affordability concerns.
- Fund system maintenance efforts to address work backlog and to keep pace with deterioration (respond to the August 2004 City Auditor's Report on Portland's Water Distribution System).
- Decrease vulnerability of the water system to natural and man-made disruptions by implementing security measures as identified in the EPA-mandated Vulnerability Assessment.

- Support other agencies' capital improvement projects (e.g., streetcar extension and transit mall light rail) as directed by City Council.
- Create an Asset Management System plan and Maintenance Management System to support planning and implementation of system maintenance activities.
- Develop and begin implementation of a Distribution Master Plan.
- Secure an Endangered Species Act (ESA) compliance agreement for operations in the Bull Run Watershed, and begin implementation.
- Realign City of Portland and Forest Service roles and responsibilities, including responsibility for funding and needs management in the Bull Run Management Unit plan.

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

- The need for, and potential location of, future terminal and distribution storage.
- The extent of future wholesale demand, and the facilities that will be needed to meet that demand.
- The character of retail system growth and expansion, and the facilities needed to meet that demand.
- The City's response to the EPA's Long Term 2 Enhanced Surface Water Treatment Rule (LT2) rule once it is final (scheduled for late 2005) for both open reservoirs and a potential treatment facility.
- The nature and timing of investments required to meet obligations under the Endangered Species Act.
- The need to address maintenance and replacement gaps identified by the Asset Management system.

Addressing and resolving these issues will further shape the Water Bureau's capital programs for the foreseeable future. The CIP is continuously evolving to reflect the bureau's assessments of the water system's needs and the regulatory and other externally-driven issues that require changes to the system's infrastructure or facilities.

With the Council decision in July 2004 to halt the open reservoir replacement project and to implement an interim enhanced security program, the bureau needed to make significant adjustments to its CIP both for FY 2004-05 and over the five-year planning period. In September 2004, the bureau conducted a month-long public outreach process, including an online survey to solicit feedback from neighborhoods and businesses on how the CIP should be reshaped to better address water system priorities. The bureau has taken this feedback into consideration in developing the proposed FY 2005-10 CIP.

Key adjustments to the CIP include:

- Removal of the Open Reservoir Replacement Project and inclusion of the interim security and deferred maintenance projects identified as phase 2 in the July 28, 2004 Council Resolution,
- Increased investments in system maintenance projects,
- Cancellation of the planning and preliminary design work to develop an ultraviolet treatment facility to comply with the anticipated requirements of LT2, and
- Increased planning, tracking, project management, and asset management investments, to respond to the recent distribution system audit by the City Auditor's Office.

These adjustments are reflected in a proposed five-year CIP that will total $52.3 million in FY 2005-06 and approximately $248.5 million over five years. The numbers reflect reductions (not adjusted for inflation) from the previous CIP (FY 2004-09) of approximately $12.7 million for FY 2005-06 and approximately $88 million for the five-year CIP.

The cancellation of planning and design work for a treatment facility to comply with pending federal regulations (LT2 rule) was based on strong community feedback. The City Council was urged to wait until the rule is finalized and the City's obligations are known before planning for compliance. If the City is required to add treatment facilities, these costs will need to be added back to the CIP, potentially on an accelerated schedule.

Changes From Prior Year

The FY 2005-06 Capital Budget is 9% higher than FY 2004-05. However, it is reduced $12.7 million (20%) from the projected budget for this year included in the FY 2004-05 five-year CIP. The five-year total represents a $76.5 million (23%) reduction from the adopted FY 2004-09 CIP, and a reduction of $88 million (26%) from the projected FY 2005-10 five-year total based on the projections in the 2004-09 CIP.

The following projects have undergone major changes in the FY 2005-06 and five-year CIP:

- Open Reservoirs
  - First-year CIP down $13,570,000; five-year CIP down $62,570,000.
  - Response to City Council decision to remove budget for open reservoir replacement, fund projects to improve security around the reservoirs, and fund projects that were deferred due to previous plans to replace the open reservoirs.
- Bull Run Treatment
  - First-year CIP down $2,000,000; five-year CIP down $30,500,000
  - Defer until EPA finalizes LT2 rule.
- PDOT Waterline Adjustment Projects
  - First-year CIP up $5,000,000; five-year CIP up $10,000,000.
  - Water system improvements planned during the Transit Mall project to coordinate with construction work on the project.
- Willamette River Crossing
  - Five-year CIP down $10,000,000.
  - The second of the conduit river crossings has been delayed to facilitate project sequencing and to pursue grant funding.
- Hydrant Replacement
  - First-year CIP up $500,000; five-year CIP up $2,500,000.
  - Increase funding to accommodate larger number of hydrant replacements.
- Bull Run Dam 2 Tower ESA Improvements.
  - First-year CIP up $250,000; five-year CIP up $10,000,000.
  - Improvements to the Bull Run reservoir 2 towers include selective withdrawal to meet ESA requirements.
- Groundwater System Upgrades
  - First-year CIP down $1,755,000; five-year CIP up $2,274,000.

- Expansion of the groundwater system planned for Columbia South Shore instead of within the Bull Run Watershed. Aquifer Storage & Recovery project implementation has been deferred.

- Conduit Vulnerability
  - First-year CIP up $1,350,000; five-year CIP down $789,000.
  - Timing of the construction of conduit trestle crossings has been changed.
- Interstate Facility Rehabilitation
  - First-year CIP down $2,670,000; five-year CIP up $1,490,000.
  - Adjusted sequence of Interstate site upgrade activities.
- Infrastructure Master Plan
  - Five-year CIP up $2,550,000.
  - Budget shifted from Water System Studies, to address implementation of the Distribution Master Plan to be completed in FY 2006-07.
- Transmission Pipe Improvements
  - First-year CIP down $20,000; five-year CIP down $3,300,000.
  - Defer until Distribution System Master Plan has provided updated list of high priority transmission mains project needs.
- Water System Studies
  - First year CIP down $1,040,000; five-year CIP down $6,667,000.
  - Specific planning studies have been identified, at a lower cost than previously projected.

STRATEGIC DIRECTION

Council Goals and Priorities

The Portland City Council's citywide goals are to:

- Ensure a safe and peaceful community
- Promote economic vitality
- Improve the quality of life in neighborhoods
- Protect and enhance the natural and built environment
- Operate and maintain an effective and safe transportation system
- Deliver efficient, effective, and accountable municipal services

The bureau reviewed the five-year CIP and allocated the projects to the appropriate goal. This allocation is reported in the Capital Programs and Projects Section.

City Comprehensive Plan

The bureau is committed to the following Comprehensive Plan Goals and Policies for the City:

Urban Development (Goal 2) - The CIP supports 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 which prevent the deterioration of existing public facilities through projects under the heading of Maintenance and Replacement. These conditions include mains replacements, pump station upgrades, meter replacements, hydrant renewal, tank maintenance or new tank development, and in-city transmission mains 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 policy 5.2 Business Development, 5.5 Infrastructure Development, and 5.10 Columbia South Shore.

Transportation (Goal 6) - The CIP funds water system adjustments and relocations required to accommodate the construction and operation of light rail and other transportation projects.

Energy (Goal 7) - The CIP supports energy efficiency policies through the industrial water conservation program, and through the planning and construction of capital facilities that include sustainability as an important criterion.

Environment (Goal 8) -The bureau's CIP supports the implementation of the ESA agreement for the Bull Run Watershed. In addition, all water projects planned for construction that may impact environmentally sensitive areas inside the urban area include studies of the environmental issues, recommendations for mitigation, and any necessary City and federal permit processes that apply, including E-zone reviews and ESA consultations.

Public Involvement (Goal 9) - The Water Bureau has committed to engage the public in developing the CIP. All Portland CIP projects that affect neighborhoods or that require City, state, and federal permit review processes have included, and will continue to include, public involvement elements.

Public Facilities (Goal 11) - The CIP is designed to meet the primary Public Facilities Goal, particularly Policy 11.1 on service responsibility for subsection (6) - Water Supply. Policy 11.7 dictates that the Capital Improvement Program be an annual planning process for major improvements. The bureau coordinates this process with the Public Facilities System Plan and utilizes an objective-driven evaluation process for selecting the projects included in the CIP.

CAPITAL PLANNING & BUDGETING

Capital Planning Process

The bureau utilizes strategic planning and analysis to identify needed 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), completed in 2000, identified the needs of the supply, storage, and transmission system. A Distribution System Master Plan is under development.

Technical Review and Criteria

The bureau's capital plan development included a technical ranking process. The bureau management team directed the formation of an internal technical review group composed of Water Bureau staff representing Operations and Maintenance, Resource Protection and Planning, Construction Services, Finance and Support Services, and Engineering Services. The Technical Review Group applied the following criteria to a list of potential CIP projects for FY 2005-2010:

- Mandatory projects - responding to regulatory and contractual requirements related to City-sponsored projects, new development or existing contractual obligations.
- Public health and safety - protecting water quality in order to protect public health, providing adequate water pressure and supply to fight fires, and protecting the safety of City employees while on the job.
- Infrastructure preservation - funding projects that preserve and extend the life of infrastructure through investment in maintenance, repair, rehabilitation or replacement.
- Reliability and service to customers - reducing the risk of key water system component failure and resulting service disruption due to inadequacy of water supplies or vulnerability to intentional or criminal activities and natural hazards. This category also includes projects that significantly improve or protect the water's aesthetic qualities such as taste, color, and odor.
- Cost effectiveness - providing a benefit by cost savings or reductions, added revenues, cost sharing with partners, or additional resources from grants or other state or federal funding.

The technical review process required each participant to apply a rating score of 0 to 3 for each criterion on all of the CIP projects. A score of zero indicated that the project did not in any way meet a specified criterion, while a score of three indicated that the project fully or significantly accomplished the criterion. By averaging the Technical Review Group's ratings for each project, the bureau's management team received a technically ranked list of capital projects to consider in developing the CIP.

CIP Public Involvement Process

In September 2004, the bureau implemented a detailed public outreach program regarding its CIP, called "Water Works for You." The program focused on involving the public proactively in the early stages of the development of the FY 2005-2006 CIP. The bureau engaged Portland citizens in a dialogue about complex policy options and budgeting decisions aimed at the five CIP objectives. Through workshops and a survey, the bureau solicited input concerning the CIP investment strategies.

The responses from the nearly 100 outreach participants yielded seven key themes:

1. Tackle the backlog of water system maintenance work.
2. Spend water ratepayer funds wisely - use proactive strategies to avoid higher costs down the road.
3. Those who develop water service components for urban growth projects should pay for them.
4. Use of consultants to complete projects should be carefully considered.
5. Improve coordination with the city sewer agency (Bureau of Environmental Services).
6. Better educate the public about the bureau's service efforts generally.

7. Concerns remain regarding future water treatment approaches to comply with federal regulations.

Public Involvement Categories for the Bureau's CIP

The bureau used five categories to engage the public in a discussion on priorities related to the development of the proposed FY 2005-2010 CIP.

Maintenance and Replacement : This category includes projects that repair, replace, or rehabilitate existing water system delivery components. 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. The Distribution System Master Plan is under development to better define system vulnerabilities, conditions, and maintenance, and identify rehabilitation and replacement strategies to protect the distribution system from deteriorating to unacceptable levels.

Planning, Stewardship, and Sustainability: This category involves programs and projects that address strategic long-range analysis of all or parts of the water system to ensure that future demand for water can be met. The bureau also promotes efficient water consumption by customers and the protection of natural resources and threatened fish species. The bureau is working with federal agencies and a variety of stakeholders to define a package of conservation measures to include in a draft Habitat Conservation Plan that will receive extensive public and regulatory review. Reduced federal funding for Bull Run watershed management is expected to put a greater burden on the bureau to maintain the watershed. This change could have significant impacts on the bureau's capital and operating costs.

Water Quality : Water Quality projects target ongoing compliance with all state and federal regulations related to Portland's drinking water, and protection of natural resources affected by the water system. The regulatory environment at the federal level continues to grow more stringent. The Environmental Protection Agency is preparing to complete the Long Term 2 Enhanced Surface Water Treatment Rule regulations, potentially requiring enhanced treatment of the Bull Run water supply. The bureau will work with the Council and the community to determine how the City can best respond once the rule is final.

Response to City Development: This category involves projects that are mandated by the City for changes within Portland. The bureau is required to accommodate City development projects by relocating water mains and other facilities to allow for their construction. Such projects include new housing and business developments, and sewer and transportation improvements. The bureau has used these opportunities to upgrade affected parts of the water system.

Vulnerability Reduction : This category includes projects that address threats to the water system, or determine ways to provide alternate service in the event of disruption of a system component. Recent assessments identified many bureau facilities that may be vulnerable to human and natural hazards. The bureau has identified improvement projects to address many of these vulnerabilities in the supply and transmission backbone and at critical facilities. The Distribution Master Plan will address vulnerabilities in the distribution system. Not all of the recommended vulnerability and security projects are funded in the five-year CIP.

Public Input Reflected in Bureau's CIP

The Water Bureau reviewed the public input collected through the "Water Works for You" priorities discussion and considered this input in the development of the FY 2005-2010 CIP. The bureau responded to the public input collected at the "Water Works for You" priorities discussion as follows:

- Increased resources to address maintenance issues in the five-year CIP, from $88 million last year (34% of the total) to $101 million (41%). The increases direct more funds to water main replacement and to water system infrastructure upgrades in the downtown Portland area.
- Increased resources to address planning, stewardship, and sustainability efforts in the CIP, from $16 million last year (6%) to $25 million (10%). The increases are primarily due to increased planning efforts and the effort to respond to Endangered Species Act requirements to protect salmon and steelhead in and near the Bull Run Watershed.
- Decreased resources to address vulnerability reduction, from 27% last year to 24%. The decrease is primarily due to adjusting the timing of the Willamette River crossing project in order to anticipate permitting requirements and to pursue grant funds.

Anothercommon public comment was that a treatment/filtration plant remains a concern. The Bull Run treatment project has been removed from the CIP until the EPA and City Council give direction to address federal water quality regulations after the rule is final.

The most common comment was that the bureau needs to better educate the public about its efforts generally. This recommendation was supported by continuing Water Bureau outreach throughout the budget process.

Objectives

The bureau incorporates the Office of Management and Finance's CIP objectives into the CIP proposal, applying the objectives and the relationship of these objectives to the bureau's CIP categories. The individual CIP project descriptions contain their relationship to OMF objectives in the Project Details section of the CIP proposal.

Financial Forecast Overview

The CIP is an integral element in the development of the financial plan. Because of the magnitude of the dollars involved, the size of the CIP has a significant effect on water rates. The mix of projects in the CIP is also important. 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. Finally, the method chosen to finance projects affects rates as well.

More information on water rates is available in the bureau's Financial Plan.

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: 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, approximately 40% of capital requirements are funded with current resources and the balance comes 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 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 ($10 million), System Development Charges ($14 million), and service installations ($9 million).

Debt Financing: Pursuant to the City Charter, state statutory authority, and City Council approval, 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. The bureau plans to issue bonds in FY 2005-06, 2007-08 and 2009-10 to provide necessary debt financing for the five-year period. Bonds are typically issued about every two years in order to facilitate compliance with IRS regulations regarding the 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 Infrastructure Master Plans) or estimated as a percentage share of the capital budget. Based on recent historical experience, this share estimate remains at 3% of the direct capital budget. As an operating cost, these CIP expenses are 100% cash-financed, usually through water sales.

Retail Rate Impact

The revenue forecasts refer to the costs that are expected be recovered from water sales, regardless of from whom it will be collected. To determine the rate impacts of a revenue requirement, the revenue requirement must be allocated between wholesale and retail customers. The method of allocating costs to wholesale customers is specified by contractual provisions (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 public works utilities. The bureau's general asset management goal is to extend the useful life of the City's water facilities through maintenance and repair until such time as infrastructure replacement is more cost-effective. The type of facility, its age, and the effectiveness of past maintenance and repair activities drive the repair and replacement cycles.

The operational life of a majority of the bureau's key infrastructure facilities, such as the Bull Run dams, pipeline networks, and concrete reservoirs, ranges from 50 years to more than 100 years. Other facilities such as pump stations, tanks, buildings, and distribution system appurtenances (hydrants, services, meters, regulators, etc.) usually have shorter lifecycles of 30 to 50 years. Electrical and electronic equipment typically have even shorter life spans. These lifecycle ranges are a key driver for the bureau's ongoing capital maintenance programs.

Roughly 40% of the proposed capital program is focused on maintenance and replacement of key system components. In addition to the capital program, the bureau has a preventive maintenance and repair program in the operating budget that provides for the more immediate and ongoing maintenance. With an estimated replacement value for the City's water system of more than $3.3 billion, asset management and replacement programs will continue to be one of the largest CIP activities, protecting the public's investment in its drinking water system.

The single most significant infrastructure replacement program in the CIP is the Distribution System Program that replaces about ten miles of distribution mains annually and provides for repair and replacement of the over 100 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's capital costs will need to increase in the future, as many of these facilities begin to reach the end of their operational use.

The bureau is undertaking projects in the next few years that will refine and further develop its asset management strategy. This work will be focused on the bureau's distribution system, and will incorporate information developed in the Distribution System Master Plan, Maintenance Management System, and Asset Management System. These projects will evaluate system condition and deficiencies, and develop cost-effective maintenance and repair programs.

Growth Management Issues

The bureau works with the Office of Management and Finance, the Bureau of Planning, and a number of other City and local government agencies to address urban growth-related issues. The bureau reviews and approves individual customer service requests, developers' infrastructure requests, and redevelopment in the city, most of which is associated with growth.

According to Metro (the regional agency for growth management coordination), Portland is expecting a significant increase in population within the city limits over the next 20 years. As population densities increase, the impact to the water system will be constantly evaluated.

Following receipt of an application for annexation, the bureau, working in coordination with the Planning Bureau, provides an analysis of its ability to serve specific properties. The bureau also participates on an inter-bureau technical team that reviews a range of issues associated with the annexation of properties.

In the case of urban growth boundary (UGB) expansion, the bureau provides service cost estimates to support Metro's analysis of urban property 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, located in outer Southeast Portland, will be one such area.

The bureau also operates a number of facilities that are located outside the UGB in both Multnomah and Clackamas counties, such as the Bull Run dams and the supply 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 Powell Valley Road Water District will be 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.

Growth in the region, wholesaling of water to other suppliers, and analysis of infrastructure needed to support wholesaling to a larger base is considered under the CIP's Planning, Stewardship, and Sustainability category.

Sales to Other Cities and Water Districts

The bureau is currently negotiating new contract terms with the wholesale customers from surrounding regions. The results of the contract negotiations will determine the continued demand for up to 40% of the water system's supply over the long term. 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 sources. Advanced planning for new supplies is critical, as many years are required to develop and permit them.

CAPITAL PROGRAMS & PROJECTS

Category Description

The bureau organized programs and projects for the proposed FY 2005-10 Capital Improvement Program into four categories that reflect the City's goals.

City Goal: Promote economic vitality.

Bureau Goal: Provide affordable and reliable water service.

Bureau Program: Affordable and Reliable Water Service ($197.5 million)

The City's economic vitality is in part dependent on having a safe and reliable supply of high quality water. The CIP is focused on continuing to maintain a safe and reliable water supply system. More than 40% of the five-year CIP is directed toward upgrading deteriorating physical infrastructure. Investments are planned to continue the repair and rehabilitation work on the distribution system and the storage and transmission assets.

City Goal: Improve the quality of life in neighborhoods.

Bureau Goal: Contribute to community quality of life.

Bureau Program: Water System Related Community Investments ($31.7 million)

The Portland Water Bureau supports the City's efforts to improve quality of life in the neighborhoods by relocating and adjusting water facilities in city streets and roads to accommodate priority city transportation and sewer projects, such as the Transit Mall, I-205 Light Rail extension, and "Big Pipe" Combined Sewer Overflow project. The bureau also supports the public quality of life by operating and maintaining certain decorative and drinking fountains throughout the city. Small outlays of capital funding are planned for the fountains.

City Goal: Protect and enhance the natural and built environment.

Bureau Goal: Protect City drinking water sources and minimize the impact of drinking water infrastructure on the natural environment.

Bureau Program: Planning, Sustainability, and Stewardship ($18.1 million)

The Water Bureau takes seriously its responsibility for stewardship of the City's water resources. The bureau protects the environment by minimizing or mitigating the effects of water diversion and consumption. The primary capital project directly addressing environmental protection is the Endangered Species Act project, which mitigates the effects of the water system infrastructure on the watershed's fish populations and habitat.

City Goal: Deliver efficient, effective, and accountable municipal services.

Bureau Goal: Provide cost-effective, responsive, and accountable drinking water services.

Bureau Program: Business Services and Office of Administrator ($1.2 million)

To provide affordable water service, the Water Bureau focuses on delivering efficient, effective and accountable performance on behalf of its approximately 900,000 customers. This includes the bureau's facilities support.

Funding Sources

See the "Financial Forecast Overview" for an explanation of funding sources for the CIP.

Major Projects By Program

Affordable and Reliable Water Service:

- Plan and predesign the infrastructure necessary to meet the current treatment requirements for Bull Run.
- Replace transmission mains from downtown to Washington Park.
- Undertake deferred maintenance projects for the open reservoirs at Washington and Mt. Tabor parks.
- Replace aging portions of the distribution system that are failing or near the end of their useful life.
- Complete the Distribution System Master Plan.
- Complete the Maintenance Management System implementation and initiate development of an Asset Management System.

Planning, Stewardship, and Sustainability Projects:

- Update the state-mandated Water Conservation Plan.
- Support the implementation of the agreements that are being negotiated as part of the compliance with the federal Endangered Species Act and Clean Water Act requirements.

Water System Community Amenities:

- Accommodate housing and business development and relocation of water facilities to support sewer and transportation projects by other agencies.
- Expand the groundwater system for summer supply augmentation and reliability when turbidity or conduit failure interrupts the Bull Run supply.
- Implement interim security measures at open reservoirs at Washington and Mt. Tabor parks.
- Replace the conduit crossings of the Sandy and Willamette rivers to address transmission vulnerabilities.
- Address vulnerability, life safety, and deteriorating condition of the bureau's Interstate Control Center and Operations and Maintenance Facility; rehabilitate buildings to comply with seismic codes.

Business Services and Office of the Administrator:

- Provide capital maintenance for the buildings and grounds owned and operated by the Water Bureau.

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. Savings in the cost of 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 the Maintenance Management System.

Capital Improvement Plan — Bureau of Water Works

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area within each bureau in this Service Area.

Service Area		Revised	Adopted	Capital Plan				
Geographic Area	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5–Year Total**
Water Bureau								
Undefined	4,747,459	5,024,000	4,399,000	4,866,000	6,137,000	5,029,000	6,844,000	27,275,000
All Areas	13,457,526	26,253,382	34,553,000	30,348,000	26,330,000	29,117,000	27,995,000	148,343,000
Central City	2,660,858	2,477,000	3,455,000	3,105,000	8,905,000	5,905,000	205,000	21,575,000
East	14,890,094	4,878,000	6,665,000	9,716,000	9,311,000	5,368,000	5,060,000	36,120,000
Northeast	13,072,838	3,933,000	2,970,000	4,126,000	4,145,000	1,775,000	1,495,000	14,511,000
Southeast	2,251,780	0	300,000	100,000	100,000	100,000	100,000	700,000
Total Water Bureau	**$ 51,080,555**	**$ 42,565,382**	**$ 52,342,000**	**$ 52,261,000**	**$ 54,928,000**	**$ 47,294,000**	**$ 41,699,000**	**$248,524,000**

Capital Improvement Plan — Bureau of Water Works

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program / Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Water Bureau								
Affordable & Reliable Water Svcs								
Bulk Water Use Management	39,751	100,000	200,000	200,000	200,000	200,000	0	800,000
Bull Run Disinfection Improvements	946,887	100,000	250,000	225,000	205,000	185,000	100,000	965,000
Conduit 5	374,313	20,000	20,000	20,000	20,000	20,000	20,000	100,000
Conduit Isolation & Improvements	8,964,516	2,550,000	100,000	50,000	1,650,000	3,200,000	4,000,000	9,000,000
Conduit Repair & Rehabilitation	0	150,000	450,000	800,000	400,000	400,000	400,000	2,450,000
Conduit Vulnerability Reduction	515,230	600,000	3,200,000	2,000,000	0	0	0	5,200,000
Dams & Headworks Repair &	394,779	450,000	785,000	356,000	596,000	1,023,000	0	2,760,000
Distribution Mains	0	4,900,000	6,070,000	6,230,000	9,345,000	8,800,000	8,800,000	39,245,000
Equipment Purchases	0	3,251,382	2,922,000	3,046,000	2,337,000	1,839,000	2,244,000	11,744,000
Facilities Security	1,248,151	950,000	575,000	400,000	750,000	670,000	530,000	2,925,000
GIS Water Bureau	3,499,308	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Groundwater System Upgrade	7,905,644	3,083,000	2,175,000	3,331,000	3,400,000	1,030,000	750,000	10,686,000
Groundwater Well Field Rehab	37,245	300,000	645,000	645,000	645,000	645,000	645,000	3,225,000
Hydrant Replacement	0	500,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	4,500,000
Infrastructure Master Plan (IMP)	1,247,039	250,000	857,000	1,150,000	950,000	1,450,000	1,500,000	5,907,000
Interstate Facility Rehab	1,343,124	1,170,000	2,000,000	2,000,000	7,700,000	4,700,000	0	16,400,000
Large Meter Replacement	0	1,500,000	1,050,000	1,050,000	1,050,000	1,050,000	1,050,000	5,250,000
Maint Mgmt System/Asset Mgmt	1,134,363	360,000	500,000	400,000	0	0	0	900,000
Meter Purchases	0	315,000	765,000	765,000	765,000	765,000	765,000	3,825,000
New Water Services	0	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	10,400,000
Open Reservoirs	9,298,763	6,280,000	4,430,000	50,000	50,000	50,000	50,000	4,590,000
Powell Butte Reservoirs	2,251,780	0	300,000	100,000	100,000	100,000	100,000	700,000
Project Management System	194,442	250,000	250,000	0	0	0	0	250,000
Pump Stations	0	1,167,000	470,000	625,000	1,465,000	722,000	200,000	3,482,000
Regional Water Supply Plan Update	486,737	0	0	0	0	300,000	300,000	600,000
Regulator Maintenance	0	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Sandy River Conduit Relocation	2,082,072	73,000	700,000	5,400,000	5,700,000	0	0	11,800,000
Storage Tank Maintenance	0	535,000	500,000	1,070,000	2,500,000	2,470,000	4,020,000	10,560,000
Transmission Pipe Improvement	0	1,007,000	1,552,000	2,405,000	2,275,000	950,000	900,000	8,082,000
Utility Line Relocates	0	100,000	1,000,000	2,500,000	2,500,000	2,500,000	2,500,000	11,000,000
Water Control Center Improvement	183,371	697,000	785,000	695,000	345,000	345,000	345,000	2,515,000
Water Quality Sampling Stations	639,704	75,000	75,000	75,000	50,000	50,000	50,000	300,000
Wholesale Connections and Pipelines	210,121	250,000	800,000	600,000	100,000	100,000	100,000	1,700,000
Willamette River Crossing	0	250,000	750,000	500,000	1,000,000	1,000,000	0	3,250,000
Total Affordable & Reliable Water Svcs	42,997,340	34,288,382	37,506,000	40,018,000	49,428,000	37,894,000	32,699,000	197,545,000
Business Svcs & Office of Administrator								
Facilities Maintenance	0	200,000	100,000	200,000	200,000	200,000	200,000	900,000
Retail/Wholesale Financial Model	0	250,000	250,000	0	0	0	0	250,000
Total Business Svcs & Office of Admin-	0	450,000	350,000	200,000	200,000	200,000	200,000	1,150,000
Community Investments								
Bureau of Envirnonmental Services	0	890,000	236,000	183,000	300,000	300,000	300,000	1,319,000
Decorative Fountains	0	0	205,000	205,000	205,000	205,000	205,000	1,025,000
Dodge Park	0	0	70,000	0	0	0	0	70,000
ODOT Water Line Adjust Projects	0	675,000	675,000	675,000	675,000	675,000	675,000	3,375,000
PDOT Water Line Adjustment Projects	0	4,470,000	11,300,000	9,100,000	2,000,000	2,000,000	1,500,000	26,150,000
Total Community Investments	0	6,035,000	12,486,000	10,163,000	3,180,000	3,180,000	2,680,000	31,689,000
Response to City Development								
Bull Run Lake Mitigation	61,615	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Bull Run Watershed Maintenance	0	395,000	500,000	300,000	300,000	300,000	300,000	1,700,000
Endangered Species Act Compliance	0	0	250,000	815,000	1,230,000	5,330,000	5,430,000	13,055,000
Forest Service/Portland Land Exchange	232,186	175,000	350,000	325,000	200,000	0	0	875,000
Groundwater Remediation	5,129,949	100,000	150,000	150,000	100,000	100,000	100,000	600,000
Regulatory Compliance Studies	1,082,183	50,000	50,000	50,000	50,000	50,000	50,000	250,000
System Vulnerability Reduction	258,786	732,000	100,000	0	0	0	0	100,000
Water Conservation Plan	0	0	360,000	0	0	0	0	360,000
Wellhead Protection/Monitoring Wells	1,318,496	300,000	200,000	200,000	200,000	200,000	200,000	1,000,000

Capital Improvement Plan — Bureau of Water Works

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program / Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Total Response to City Development	8,083,215	1,792,000	2,000,000	1,880,000	2,120,000	6,020,000	6,120,000	18,140,000
Total Water Bureau	**$ 51,080,555**	**$ 42,565,382**	**$ 52,342,000**	**$ 52,261,000**	**$ 54,928,000**	**$ 47,294,000**	**$ 41,699,000**	**$248,524,000**

Affordable & Reliable Water Svcs

Bulk Water Use Management

Area: ALL

Objective(s): Efficiency

Project Description

Currently, contractors, businesses, and other customers, with a permit, take City water directly from any one of the 13,000+ hydrants in the city. Access to the hydrants for obtaining water is operated on an honor system. Annual permit holders are billed based on an estimated amount they might consume. 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, use of specified hydrants, enforcement, use of water trucks, and potentially the installation of bulk pay water stations throughout the City. There is potential for this to become a joint project with the Bureau of Environmental Services (BES), allowing that bureau to charge users for discharges to the City's sewer systems that currently go uncollected.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Contribution	0	50,000	100,000	100,000	100,000	100,000	0	400,000
Discretionary Rev - One Time	39,751	50,000	100,000	100,000	100,000	100,000	0	400,000
Total Funding Sources	39,751	100,000	200,000	200,000	200,000	200,000	0	800,000
Operating & Maintenance Costs			0	0	0	0	0	0

Bull Run Disinfection Improvements

Area: E

Objective(s): Maintenance

Project Description

This project includes several related projects of the Bull Run water supply, at Bull Run Headworks and 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.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Discretionary Rev - One Time	946,887	100,000	250,000	225,000	205,000	185,000	100,000	965,000
Total Funding Sources	946,887	100,000	250,000	225,000	205,000	185,000	100,000	965,000
Operating & Maintenance Costs			0	0	0	0	0	0

Conduit 5

Area: E

Objective(s): Expansion

Project Description

Conduit 5 is a proposed 96-inch to 120-inch diameter conduit approximately 23 miles in length, extending from the Bull Run Watershed to water 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 could replace Conduits 2 and 3, and provide additional peak flow capacity. The funding included in the CIP over the next five years provides for reviewing the proposed route and updating the preliminary engineering assessment.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Discretionary Rev - One Time	374,313	20,000	20,000	20,000	20,000	20,000	20,000	100,000
Total Funding Sources	374,313	20,000	20,000	20,000	20,000	20,000	20,000	100,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Conduit Isolation & Improvements

Area: E

Objective(s): Maintenance

Project Description

Three existing water supply conduits carry water from Bull Run to the Powell Butte and Mt. Tabor reservoirs. Construction of five major interties will allow these 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 conducted 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. Construction of the Hudson's Road Intertie is scheduled for completion in 2005. 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 also provides for an intertie between the conduits and the groundwater transmission main.

Funding Sources								
Discretionary Rev - One Time	8,964,516	2,500,000	100,000	50,000	1,650,000	3,200,000	4,000,000	9,000,000
Total Funding Sources	8,964,516	2,500,000	100,000	50,000	1,650,000	3,200,000	4,000,000	9,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

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 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, and 22 trestles and other appurtenances. These capitalized maintenance and repair projects protect the bureauís investments in its facilities, reduce vulnerability, and reduce operating costs. Current work includes upgrade and maintenance of the cathodic protection system and the conduit air vacuum valves.

Funding Sources								
Discretionary Rev - One Time	0	150,000	450,000	800,000	400,000	400,000	400,000	2,450,000
Total Funding Sources	0	150,000	450,000	800,000	400,000	400,000	400,000	2,450,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Conduit Vulnerability Reduction

Area: E

Objective(s): Maintenance

Project Description

Conduits 2, 3, and 4 and their related structures are the primary supply line from the Bull Run to the city. The September 2000 System Vulnerability Assessment study recommended mitigation to reduce the vulnerability of the conduits to multi-hazard risk from various natural and man-made causes, including earthquakes, landslide, flooding, and operational error. This work involves multi-phase projects over the course of 10 to 20 years to increase system reliability. The primary focus of this project is strengthening or burying the 22 above-ground sections (trestles) of the conduits. A related project relocates one crossing.

Funding Sources								
Discretionary Rev - One Time	515,230	600,000	3,200,000	2,000,000	0	0	0	5,200,000
Total Funding Sources	515,230	600,000	3,200,000	2,000,000	0	0	0	5,200,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
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, rehabilitation of these facilities, and actual repair work. As many of these facilities are between 50 and 70 years old, their safe and reliable operation requires ongoing investment. Current work includes repairs and rehabilitation of the Dam 2 stilling pool, repairs and rehabilitation of the inlet towers at Dam 2, and Dam 1 outlet facility repairs and rehabilitation. An assessment recommended by the last inspection identified the work to be completed over the next five years for dam safety.								
Funding Sources								
Discretionary Rev - One Time	394,779	450,000	785,000	356,000	596,000	1,023,000	0	2,760,000
Total Funding Sources	394,779	450,000	785,000	356,000	596,000	1,023,000	0	2,760,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Distribution Mains								
Area: ALL								
Objective(s): Replacement								
Project Description								
Approximately 10 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. These projects include main replacement, new mains (supply and development), new hydrants, bridge mains, regulators, and others.								
Funding Sources								
Contribution	0	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Discretionary Rev - One Time	0	4,400,000	5,570,000	5,730,000	8,845,000	8,300,000	8,300,000	36,745,000
Total Funding Sources	0	4,900,000	6,070,000	6,230,000	9,345,000	8,800,000	8,800,000	39,245,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Equipment Purchases								
Area: Undef								
Objective(s): Maintenance								
Project Description								
This program funds equipment purchases with a unit cost in excess of $5,000 and an expected operational life of one year or more. Purchases of heavy construction equipment, such as dump trucks and backhoes, utilize a significant portion of the funding. Computer software with a unit cost in excess of $5,000 is also covered under the bureau equipment purchase program.								
Funding Sources								
Discretionary Rev - One Time	0	3,489,000	2,922,000	3,046,000	2,337,000	1,839,000	2,244,000	12,388,000
Total Funding Sources	0	3,489,000	2,922,000	3,046,000	2,337,000	1,839,000	2,244,000	12,388,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Facilities Security

Area: Undef

Objective(s): Efficiency

Project Description

The Water Bureau operates more than 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 program provides for heightened security at these City facilities and sites. The Public Health Security and Bioterrorism Preparedness and Response Act (Public Law 107-188) required all water utilities serving populations over 3,300 to conduct a Security Vulnerability Assessment of critical features of their water systems. Portland completed its vulnerability assessment and updated its emergency response plan. Security upgrades in response to the Security Vulnerability Assessment will include physical security improvements to major and smaller facilities and improved security in the overall water distribution system and control/communications system. Work will include prioritization of the implementation plan for these improvements. Assessment recommendations include security improvements, system improvements, and bureau-wide upgrades.

Funding Sources								
Discretionary Rev - One Time	1,248,151	950,000	575,000	400,000	750,000	670,000	530,000	2,925,000
Total Funding Sources	1,248,151	950,000	575,000	400,000	750,000	670,000	530,000	2,925,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

GIS Water Bureau

Area: Undef

Objective(s): Efficiency

Project Description

The Water 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 Maintenance Management System (for asset management), 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 in entering information into the GIS, establishing links to other systems, and making the existing information more accessible to bureau and City employees.

Funding Sources								
Discretionary Rev - Ongoing	3,499,308	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	3,499,308	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Groundwater System Upgrade

Area: NE

Objective(s): Expansion

Project Description

A 1999-2000 facility plan completed by the bureau identified a need to upgrade the reliable groundwater well system yield from 70 to 95 million gallons per day (mgd) at the Columbia South Shore Wellfield (CSSW). Along with other capital improvements, the resulting program is aimed at fulfilling this need to ensure the continued availability of the critical back-up source for the City. Projects include developing additional infrastructure and improvements to increase system reliability. Planned improvements will provide additional capacity toward the 95 mgd goal. Projects nearing completion include improvements to Well Sites 28 and 34 and collection mains connecting these wells to the groundwater system. A continued development of approximately 10 mgd is planned to occur over the five-year period, concentrating early work in areas with existing infrastructure, and further exploring groundwater potential on Port of Portland sites where the City holds rights to future well easements. Aquifer Storage and Recovery is another project in the program that is exploring the feasibility of storing surplus winter flows of Bull Run water underground in the CSSW deep aquifer.

Funding Sources								
Discretionary Rev - One Time	7,905,644	3,083,000	2,175,000	3,331,000	3,400,000	1,030,000	750,000	10,686,000
Total Funding Sources	7,905,644	3,083,000	2,175,000	3,331,000	3,400,000	1,030,000	750,000	10,686,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Groundwater Well Field Rehab

Area: NE

Objective(s): Maintenance

Project Description

This ongoing project provides for rehabilitation and improvements to the Columbia South Shore Well Field, which is the back-up and peak season alternative water supply for the city and its wholesale customers. Capital maintenance projects include pump and motor overhauls, well testing and redevelopment, pump station upgrades, and wellhead upgrades. The maintenance program addresses well pump and motor upkeep for two to three wells per year, rotating through the entire well field every 10 to 15 years. Complete replacement of wells is not included in the maintenance budget. A shorter, five-year program, Major Well Rehabilitation, is planned to upgrade subsurface well components that have identified operational issues. This project may involve pulling and replacing well screens, retrofitting the screens with needed pressure relief assemblies, pump/motor replacement, or well deepening.

Funding Sources								
Discretionary Rev - One Time	37,245	300,000	645,000	645,000	645,000	645,000	645,000	3,225,000
Total Funding Sources	37,245	300,000	645,000	645,000	645,000	645,000	645,000	3,225,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Hydrant Replacement

Area: ALL

Objective(s): Replacement

Project Description

The Water Bureau replaces fire hydrants that are no longer repairable or that require replacement parts that are no longer available. Replacements may also occur as part of ongoing efforts to standardize hydrant types in order to improve fire protection and enhance maintenance and repair efficiencies.

Funding Sources								
Discretionary Rev - One Time	0	500,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Total Funding Sources	0	500,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Infrastructure Master Plan (IMP)

Area: ALL

Objective(s): Efficiency

Project Description

The Infrastructure Master Plan (IMP) will provide a comprehensive assessment of the condition of existing facilities and develop strategies to address short- and long-term water system infrastructure needs. The IMP will provide a context for those projects with long planning construction time frames, as well as for prioritizing and scheduling more immediate projects in the CIP. The first phase of the project focused on improving the reliability of the supply system backbone, including a system vulnerability assessment. The next phase is the Distribution System Master Plan, which will identify the long-term needs and direction of improvements to the distribution system, including an ongoing maintenance program for distribution facilities.

Funding Sources								
Discretionary Rev - Ongoing	1,247,039	250,000	857,000	1,150,000	950,000	1,450,000	1,500,000	5,907,000
Total Funding Sources	1,247,039	250,000	857,000	1,150,000	950,000	1,450,000	1,500,000	5,907,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan				
	Prior Years	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Interstate Facility Rehab

Area: CC

Objective(s): Replacement

Project Description

The System Control Center and operations and maintenance facility, located on North Interstate Avenue, serves as emergency communication center and as the warehouse for maintenance and construction vehicles, equipment, and materials. This project develops and implements a comprehensive program of repairs, rehabilitation, and improvements that will address seismic and other site vulnerabilities, and bring the facility up to current building code requirements. The project includes development of a facilities master plan; acquisition, demolition, and remediation of properties surrounded by or adjacent to the existing site (includes the Westinghouse Building); and phased rehabilitation and site reconstruction that addresses seismic and site vulnerabilities as well as emergency operations and security systems.

Funding Sources								
Discretionary Rev - One Time	1,343,124	1,170,000	2,000,000	2,000,000	7,700,000	0	0	16,400,000
Total Funding Sources	1,343,124	1,170,000	2,000,000	2,000,000	7,700,000	4,700,000	0	16,400,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan				
	Prior Years	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Large Meter Replacement

Area: ALL

Objective(s): Replacement

Project Description

This program will replace all large meters (greater than one-inch) installed prior to 1986. The replacements will occur over the next eight to 10 years. Work under this program reduces lead in the system by physically removing older meters with lead components, and will ensure compliance with current standards for meter accuracy and water service design. In addition, the bureau will install automated meter reading devices and provide non-skid access lids where feasible.

Funding Sources								
Environmental Services	0	0	525,000	525,000	525,000	525,000	525,000	2,625,000
Discretionary Rev - One Time	0	1,500,000	525,000	525,000	525,000	525,000	525,000	2,625,000
Total Funding Sources	0	1,500,000	1,050,000	1,050,000	1,050,000	1,050,000	1,050,000	5,250,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan				
	Prior Years	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Maint Mgmt System/Asset Mgmt

Area: CC

Objective(s): Efficiency

Project Description

This project will develop and implement improvements to the Water Bureau operations and maintenance work processes, particularly those that can be enhanced by technology. Significant systems and technology upgrades for office and field crews will result in more efficient use of resources and timely field reporting and record updating. The project provides funding for the purchase and installation of an add-in maintenance management package to the Synergen inventory management system, and development of new procedures to assist with the effective and efficient deployment and management of personnel, equipment, material, and information. The bureau anticipates significant improvements in operational efficiency as a result of this project. The project will also provide for the development of the bureau's asset management strategy, and programs intended to optimize the life cycle costs of the bureau's physical assets.

Funding Sources								
Discretionary Rev - Ongoing	1,134,363	360,000	500,000	400,000	0	0	0	900,000
Total Funding Sources	1,134,363	360,000	500,000	400,000	0	0	0	900,000
Operating & Maintenance Costs			0	0	0	0	0	0

Meter Purchases

Area: ALL

Objective(s): Replacement

Project Description

This project funds purchases of large and small meters when existing meters no longer register accurately, can no longer be repaired, or are obsolete. Meter purchases also occur when customers purchase a Water Bureau permit for a new water service.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Environmental Services	0	0	375,725	375,725	375,725	375,725	375,725	1,878,625
Discretionary Rev - One Time	0	315,000	389,275	389,275	389,275	389,275	389,275	1,946,375
Total Funding Sources	0	315,000	765,000	765,000	765,000	765,000	765,000	3,825,000
Operating & Maintenance Costs			0	0	0	0	0	0

New Water Services

Area: ALL

Objective(s): Expansion

Project Description

This program provides for installation of new water services and changes to 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 Water Bureau for the cost of new services. This program also provides for the replacement of old and leaking water services between the main and the meter.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Public Works/Utility Charge	0	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	9,000,000
Discretionary Rev - One Time	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
Operating & Maintenance Costs			0	0	0	0	0	0

Open Reservoirs

Area: ALL

Objective(s): Maintenance

Project Description

This project provides deferred maintenance and interim security work at the Washington Park and Mt. Tabor reservoirs. Funding and work scope are based on City Council Resolution 36237 (July, 2004), following the recommendations of the Independent Review Panel on Mt. Tabor and the federally mandated Security Vulnerability Assessment completed in March 2003. Deferred maintenance work at Mt. Tabor includes addition of a major pressure-reducing valve and of new isolation valves with remotely controlled actuators at all open reservoirs. These will improve the bureau's ability to isolate and operate the reservoirs, and improve water system reliability. Sidewalk repairs at all reservoirs will also be made. Interim security will provide improvements such as alarms, cameras with remote monitoring and recording, gate and vehicle access control, and contaminant monitoring devices.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Discretionary Rev - One Time	9,298,763	6,280,000	4,430,000	50,000	50,000	50,000	50,000	4,590,000
Total Funding Sources	9,298,763	6,280,000	4,430,000	50,000	50,000	50,000	50,000	4,590,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Powell Butte Reservoirs								
Area: SE								
Objective(s): Expansion								
Project Description								
This project is to assess the needs and costs of a seismic upgrade to Powell Butte Reservoir #1, overflow piping system, and an emergency bypass connection to the Washington County Supply Line. Construction of additional storage at Powell Butte has been deferred and is not included in the distribution system master plan.								
Funding Sources								
Discretionary Rev - One Time	2,251,780	0	300,000	100,000	100,000	100,000	100,000	700,000
Total Funding Sources	2,251,780	0	300,000	100,000	100,000	100,000	100,000	700,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Project Management System								
Area: ALL								
Objective(s): Efficiency								
Project Description								
The Project Management System is essential to the effective implementation of the increasingly large and complex Capital Improvement Program (CIP). It will estimate and track project staffing, costs, schedules, budgets, and contracts. The final phase, FY 2005-06, 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								
Discretionary Rev - Ongoing	194,442	250,000	250,000	0	0	0	0	250,000
Total Funding Sources	194,442	250,000	250,000	0	0	0	0	250,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Pump Stations								
Area: ALL								
Objective(s): Replacement								
Project Description								
The Water Bureau operates and maintains more than 30 pump stations. 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 under this 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.								
Funding Sources								
Discretionary Rev - One Time	0	1,167,000	470,000	625,000	1,465,000	722,000	200,000	3,482,000
Total Funding Sources	0	1,167,000	470,000	625,000	1,465,000	722,000	200,000	3,482,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Regional Water Supply Plan Update

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 RWSP itself and in the implementing intergovernmental agreement for the Regional Water Providers Consortium. The RWSP was originally approved in 1996, and first revisions were completed in 2004. The next revisions will be due in 2009. The RWSP Update Project includes reviewing and updating RWSP policy objectives, developing new water demand forecasts, updating 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.

Funding Sources								
Discretionary Rev - Ongoing	486,737	0	0	0	0	300,000	300,000	600,000
Total Funding Sources	486,737	0	0	0	0	300,000	300,000	600,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

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 includes replacing pressure regulators that are no longer repairable or where repair parts are no longer available. Replacements may also occur as part of 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								
Discretionary Rev - One Time	0	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Total Funding Sources	0	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Sandy River Conduit Relocation

Area: E

Objective(s): Replacement

Project Description

To enhance system reliability, the Water Bureau plans to relocate underground the three water supply conduit crossings at 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 system vulnerability study identified these conduits as vulnerable to seismic, volcanic, flooding, and other natural and man-made hazards. Earlier phases of this project included completion of a feasibility study and preliminary engineering assessment, and recommendation of a preferred alternative. The bureau is reviewing the preliminary engineering report to confirm the final decision on which conduit crossing will be relocated in the next phase. Relocation of the remaining crossing is beyond the timeframe of the current CIP.

Funding Sources								
Discretionary Rev - One Time	2,082,072	73,000	700,000	5,400,000	5,700,000	0	0	11,800,000
Total Funding Sources	2,082,072	73,000	700,000	5,400,000	5,700,000	0	0	11,800,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Storage Tank Maintenance								
Area: Undef								
Objective(s): Replacement								
Project Description								
This program provides for construction of new water storage tanks and the rehabilitation of the more than 70 existing tanks that help ensure a high level of water system 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, need repainting, or need improvements to ladder safety systems or confined space entry systems. The program also addresses storage tanks with overflow and drain systems that could damage property and violate state and federal regulations.								
Funding Sources								
Discretionary Rev - One Time	0	535,000	500,000	1,070,000	2,500,000	2,470,000	4,020,000	10,560,000
Total Funding Sources	0	535,000	500,000	1,070,000	2,500,000	2,470,000	4,020,000	10,560,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Transmission Pipe Improvement								
Area: ALL								
Objective(s): Replacement								
Project Description								
This ongoing program constructs new and replacement transmission pipelines in order to provide adequate and reliable quantities of water to distribution pressure zones and storage tanks throughout the service area. The program maintains the backbone of the transmission pipeline network. Some of the pipelines in this program are new to supply areas that currently have insufficient supply, or have been annexed. Some pipelines are needed to meet growing demand or changing demographics. The program also includes maintenance to prevent corrosive deterioration and to replace key valves and related equipment. System priorities, project costs, and benefits are used to assess needs and to address deficiencies.								
Funding Sources								
Discretionary Rev - One Time	0	1,007,000	1,552,000	2,405,000	2,275,000	950,000	900,000	8,082,000
Total Funding Sources	0	1,007,000	1,552,000	2,405,000	2,275,000	950,000	900,000	8,082,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Utility Line Relocates								
Area: ALL								
Objective(s): Replacement								
Project Description								
This ongoing program provides funds for modifications to Water Bureau facilities that are associated with, or necessary as the result of, PDOT and ODOT transportation projects and BES sewer 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 other agencies.								
Funding Sources								
Discretionary Rev - One Time	0	100,000	1,000,000	2,500,000	2,500,000	2,500,000	2,500,000	11,000,000
Total Funding Sources	0	100,000	1,000,000	2,500,000	2,500,000	2,500,000	2,500,000	11,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Water Control Center Improvement

Area: CC

Objective(s): Maintenance

Project Description

The central water system control and monitoring system is maintained and enhanced through this program. The Water Bureau Supervisory Control and Data Acquisition (SCADA) system is linked with remote telemetry units 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 operational reliability and efficiency of the water system 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. The polling component of the SCADA software package will be upgraded.

Funding Sources

Discretionary Rev - One Time	183,371	697,000	785,000	695,000	345,000	345,000	345,000	2,515,000
Total Funding Sources	183,371	697,000	785,000	695,000	345,000	345,000	345,000	2,515,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Water Quality Sampling Stations

Area: ALL

Objective(s): 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 Water 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

Discretionary Rev - One Time	639,704	75,000	75,000	75,000	50,000	50,000	50,000	300,000
Total Funding Sources	639,704	75,000	75,000	75,000	50,000	50,000	50,000	300,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Wholesale Connections and Pipelines

Area: ALL

Objective(s): Expansion

Project Description

This project provides for capital improvements related to supplying wholesale customers and for back-up/emergency connections with other water systems. Capital costs related to supplying water to wholesale customers include new service connections and repair, and 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. Connections with other water providers are needed in the region for improved reliability during droughts and emergencies. Although concepts and arrangements are still being developed, the need for these connections was identified in the Regional Transmission and Storage Strategy Study, adopted by the Regional Water Providers Consortium in June 2000. The Infrastructure Master Plan also recommends additional connections for periods when the Bull Run water supply is vulnerable to disruption from natural hazards, particularly turbidity.

Funding Sources

Discretionary Rev - One Time	210,121	250,000	800,000	600,000	100,000	100,000	100,000	1,700,000
Total Funding Sources	210,121	250,000	800,000	600,000	100,000	100,000	100,000	1,700,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Willamette River Crossing

Area: CC

Objective(s): Replacement

Project Description

The 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 existing pipelines are vulnerable to a number of hazards including earthquakes and erosion 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 of the existing river crossings that currently serve the downtown area and West Portland. Future work may include replacement of the Sellwood Crossing and pipeline sections in areas that have soils that may liquefy in an earthquake, construction of additional infrastructure along the western bank of the Willamette River, and numerous emergency and back-up connections and interties so sections of pipelines can be removed from service for maintenance and emergencies.

Funding Sources								
Discretionary Rev - One Time	0	250,000	750,000	500,000	1,000,000	1,000,000	0	3,250,000
Total Funding Sources	0	250,000	750,000	500,000	1,000,000	1,000,000	0	3,250,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Community Investments

Bureau of Envirnonmental Services Projects

Area: ALL

Objective(s): Mandate

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). Current and near-term projects are in response to the mandated Combined Sewer Overflow (CSO) program in BES, which will reduce the release of raw sewage into the Willamette River during significant rain events. Reimbursement is expected for much of the work performed under this program. However, this program also includes some work done at Water Bureau discretion, to make improvements on the water system in the course of relocations and adjustments. Some costs born by the Water Bureau are also provided by the Utility Line Relocations project. The Bureau anticipates about 80% reimbursement overall for the program.

Funding Sources								
Environmental Services	0	212,380	235,500	183,000	300,000	300,000	300,000	1,319,500
Discretionary Rev - One Time	0	677,620	(500)	0	0	0	0	(500)
Total Funding Sources	0	890,000	236,000	183,000	300,000	300,000	300,000	1,319,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Decorative Fountains

Area: CC

Objective(s): Maintenance

Project Description

The bureau operates and maintains 27 decorative fountains in the city. This ongoing program ensures their continued operation through major repairs and rehabilitation. The Distribution System Master Plan will assess the condition and needs of the fountains, and include an asset management program to promote the effective use of funding and protect the public investment in these facilities. Rehabilitation projects consist of repairs and replacement of pumps and motors, electrical and motor control system replacement and improvement, and site and equipment rehabilitation.

Funding Sources								
Discretionary Rev - One Time	0	0	205,000	205,000	205,000	205,000	205,000	1,025,000
Total Funding Sources	0	0	205,000	205,000	205,000	205,000	205,000	1,025,000
Operating & Maintenance Costs			0	0	0	0	0	0

Dodge Park

Area: E

Objective(s): Maintenance

Project Description

The Water Bureau owns land at the confluence of the Bull Run and Sandy rivers where Conduits 2, 3, and 4 cross the Sandy River. A master plan will be developed for use of the property, which encompasses Dodge Park, Conduits 2 and 4, and the adjacent Water Bureau maintenance facilities. Issues such as recreational access, public information, and visual resources will be considered. In addition, the Bureau of Land Management has recommended water conservation information displays at Dodge, Oxbow, and Dabney parks that will be considered as part of the project. The master plan will address law enforcement needs at the site, trespass/ hazard warning signs, facility maintenance and upgrades, alternative park management arrangements, and visitor management, together with the bureau's long-term potential uses for City-owned land in and around Dodge Park. Construction of selected improvements will occur once the master plan is completed, although some short-term improvements may be installed during preparation of the plan. Additionally, repair of a vandalized restroom and replacement of a sewage drainfield will occur in the near future.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Discretionary Rev - One Time	0	0	70,000	0	0	0	0	70,000
Total Funding Sources	0	0	70,000	0	0	0	0	70,000
Operating & Maintenance Costs			0	0	0	0	0	0

ODOT Water Line Adjust Projects

Area: ALL

Objective(s): Mandate

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 (ODOT) projects. Reimbursement is expected for some of the work performed under this program. However, this program includes some work done at Water Bureau discretion, to make improvements on the water system in the course of relocations and adjustments. Some funds for these improvements come from the Utility Relocation project. The bureau anticipates about 50% reimbursement overall for the program.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Federal Grants Fund	0	405,000	405,000	405,000	405,000	405,000	405,000	2,025,000
Discretionary Rev - One Time	0	270,000	270,000	270,000	270,000	270,000	270,000	1,350,000
Total Funding Sources	0	675,000	675,000	675,000	675,000	675,000	675,000	3,375,000
Operating & Maintenance Costs			0	0	0	0	0	0

PDOT Water Line Adjustment Projects

Area: ALL

Objective(s): Mandate

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 Portland Department of Transportation (PDOT). These projects include improvements to streets, bridges, ramps, overpasses, and street car and light rail projects. Reimbursement is expected for some of the work performed under this program. However, this program includes some work done at Water Bureau discretion, to make improvements on the water system in the course of relocations and adjustments. Some funds for these improvements come from the Utility Line Relocation Project. The bureau anticipates about 80% reimbursement overall for the program.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Federal Grants Fund	0	0	3,500,000	0	0	0	0	3,500,000
Federal Grants Fund	0	2,000,000	3,500,000	3,500,000	500,000	0	0	7,500,000
Discretionary Rev - One Time	0	2,274,000	7,290,325	5,225,000	1,125,000	1,625,000	1,125,000	16,390,325
Total Funding Sources	0	4,470,000	11,300,000	9,100,000	2,000,000	2,000,000	1,500,000	26,150,000
Operating & Maintenance Costs			0	0	0	0	0	0

Response to City Development

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 volume 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 mitigation measures will enhance natural resources for fish and wildlife, in addition to meeting the regulatory requirements associated with using lake water.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Discretionary Rev - One Time	61,615	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Total Funding Sources	61,615	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Operating & Maintenance Costs			0	0	0	0	0	0

Bull Run Watershed Maintenance

Area: E

Objective(s): Maintenance

Project Description

This program allocates funds for the capital projects necessary to maintain, improve, and protect the Bull Run Watershed and facilities that are not directly related to the water supply system facilities. This includes Bull Run Watershed road maintenance to ensure continuous, reliable, and safe access to all facilities, and maintenance of other City-owned infrastructure within the watershed.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Discretionary Rev - One Time	0	395,000	500,000	300,000	300,000	300,000	300,000	1,700,000
Total Funding Sources	0	395,000	500,000	300,000	300,000	300,000	300,000	1,700,000
Operating & Maintenance Costs			0	0	0	0	0	0

Endangered Species Act Compliance

Area: ALL

Objective(s): Maintenance

Project Description

This project 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 funds currently allocated represent a placeholder amount 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.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Discretionary Rev - Ongoing	0	0	0	410,000	130,000	70,000	70,000	680,000
Discretionary Rev - One Time	0	0	250,000	405,000	1,100,000	5,260,000	5,360,000	12,375,000
Total Funding Sources	0	0	250,000	815,000	1,230,000	5,330,000	5,430,000	13,055,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Forest Service/Portland Land Exchange

Area: E

Objective(s): Efficiency

Project Description

This project funds environmental surveys, timber inventories and 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 off-site private lands may also be necessary to facilitate the land exchange. The Forest Service/City land exchange would provide greater certainty on issues associated with maintenance and operation of the Bull Run supply system. The project may include purchase of a 20-acre parcel owned by Longview Fibre Company, the only remaining privately held land in the Bull Run Management Unit. This acquisition would provide additional source protection in the watershed by protecting this parcel from future logging.

Funding Sources								
Discretionary Rev - One Time	232,186	175,000	350,000	325,000	200,000	0	0	875,000
Total Funding Sources	232,186	175,000	350,000	325,000	200,000	0	0	875,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

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 Wellfield (CSSW) through the next decade. As in previous years, the budget assumes that responsible parties and the Oregon Department of Environmental Quality (DEQ) will fund and conduct the majority of the work, and that a consultant will assist the bureau in performing oversight and review of work done by or submitted to DEQ. The overall approach is covered in an intergovernmental agreement between the City and DEQ known as the Remediation Partnership Agreement, which was renewed in June 2004. The IGA is intended to ensure rapid identification and clean-up of soil and groundwater contamination sites in the CSSW, in order to protect groundwater quality and allow unrestricted use of the well field when groundwater is needed by the bureau for emergency or supplemental supply. The funding also assumes that the bureau will need to perform subsurface investigations in order to independently assess groundwater conditions and potential risks.

Funding Sources								
Discretionary Rev - Ongoing	5,129,949	100,000	150,000	150,000	100,000	100,000	100,000	600,000
Total Funding Sources	5,129,949	100,000	150,000	150,000	100,000	100,000	100,000	600,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Regulatory Compliance Studies

Area: ALL

Objective(s): Mandate

Project Description

The Water Bureau regularly conducts regulatory compliance studies to further develop background information that confirms compliance with drinking water regulations. The studies address control of microbial contaminants and disinfection byproducts, as well as implementation of existing surface water treatment regulations. Past studies 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								
Discretionary Rev - Ongoing	1,082,183	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	1,082,183	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

System Vulnerability Reduction

Area: ALL

Objective(s): Maintenance

Project Description

This project is designed to implement improvements to reduce the vulnerability of the overall water system. The primary focus in FY 2005-06 is on the vulnerability of Bull Run Supply facilities to disruption resulting from natural and human-caused hazards identified in the System Vulnerability Assessment, but also addresses other system-wide vulnerabilities. Conduit vulnerabilities are addressed in a separate project, Conduit Vulnerability Reduction.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Discretionary Rev - One Time	258,786	732,000	100,000	0	0	0	0	100,000
Total Funding Sources	258,786	732,000	100,000	0	0	0	0	100,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Water Conservation Plan

Area: ALL

Objective(s): Efficiency

Project Description

The Oregon Water Resources Department (WRD) requires that some agricultural and municipal water suppliers prepare Water Management and Conservation Plans. Development of the plans involves a step-by-step evaluation of the water supply alternatives available to the supplier, and an evaluation of the role that water conservation can have in meeting water needs. In addition, assessments of conservation measures required for the plans help to ensure that water use is not wasteful. The plan also creates an opportunity to integrate water conservation in the context of other considerations about system improvements and source development. Recent WRD rules tie future updates under the new rules to the filing for water right permit extensions, which the City recently completed for its Columbia South Shore Well Field permits. The City is scheduled to complete the updated WMCP in 2006.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Discretionary Rev - Ongoing	0	0	360,000	0	0	0	0	360,000
Total Funding Sources	0	0	360,000	0	0	0	0	360,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Wellhead Protection/Monitoring Wells

Area: E

Objective(s): Maintenance

Project Description

This project involves designing and constructing monitoring wells for the Columbia South Shore Wellfield wellhead protection monitoring network. It includes installation of groundwater monitoring wells to assess and evaluate previously identified contamination in well field aquifers in support of various groundwater remediation projects. The bureau has installed five to ten new groundwater monitoring wells each year for the past two fiscal years, and plans to continue adding new wells at this rate for several more years in order to complete the groundwater monitoring network. Evaluating groundwater quality in the new monitoring wells will decrease operation and maintenance costs as more wells are installed. The data from the monitoring wells generally indicates that groundwater quality in the production wells is very good, although there are some areas of shallow groundwater contamination (in areas where the shallow groundwater is not currently in use by the City) which are being investigated further.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Discretionary Rev - One Time	1,318,496	300,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Total Funding Sources	1,318,496	300,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

Business Services & Office of Administrator

Facilities Maintenance

Area: ALL

Objective(s): Maintenance

Project Description

This project provides for capital maintenance of buildings and grounds owned and operated by the Water Bureau. The necessary work on structural repair and maintenance of buildings and grounds includes electrical, roofing, paving, and remodeling. This project also addresses repairs due to vandalism, compliance with safety and access regulations, as well as other related tasks.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Discretionary Rev - One Time	0	200,000	100,000	200,000	200,000	200,000	200,000	900,000
Total Funding Sources	0	200,000	100,000	200,000	200,000	200,000	200,000	900,000
Operating & Maintenance Costs			0	0	0	0	0	0

Retail/Wholesale Financial Model

Area: ALL

Objective(s): Efficiency

Project Description

This project will provide funding for the development of a Financial Planning and Water Rate Model. The City and its wholesale water customers are expected to sign new wholesale contracts in FY 2005-06. Once a majority of the wholesalers sign these contracts, the bureau will hire consultants to develop an integrated financial planning and rate-setting computer model to replace the current model originally developed in 1990. The new model will be the primary tool to establish and document rates in conformance with the new wholesale contract provisions, as well as to prepare its annual financial plans and set retail rates and charges. It will also provide an analytical tool for performing financial analyses and evaluations of proposals that may impact rates and financial plans.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Discretionary Rev - Ongoing	0	250,000	250,000	0	0	0	0	250,000
Total Funding Sources	0	250,000	250,000	0	0	0	0	250,000
Operating & Maintenance Costs			0	0	0	0	0	0


CITY OF PORTLAND, OREGON
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Transportation

Overview and Financial Tables

Service Area Overview

The Portland Office of Transportation (PDOT) capital projects for FY 2005-06 total approximately $79.9 million. The plan for the five-year CIP period is about $159.4 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.

Capital Improvement Plan — Transportation

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area within each bureau in this Service Area.

Service Area		Revised	Adopted	Capital Plan				
Geographic Area	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5-Year Total**
Transportation and Parking								
Office of Transportation								
Undefined	1,598,279	3,165,079	6,484,169	4,420,263	4,788,728	2,733,051	2,802,445	21,228,656
All Areas	90,131	0	548,022	100,000	100,000	100,000	100,000	948,022
East	128,100	2,391,847	3,777,510	108,200	115,800	100,000	8,200	4,109,710
North	7,418,692	1,509,614	1,970,888	407,766	717,768	350,000	50,000	3,496,422
Northeast	2,419,903	17,774,059	20,232,747	16,872,287	3,110,261	0	0	40,215,295
Northwest	950,549	4,084,265	6,165,300	958,000	0	0	0	7,123,300
Southeast	794,940	544,114	3,387,904	4,865,906	6,554,808	10,025,000	14,025,000	38,858,618
Southwest	3,146,508	28,970,716	32,703,006	1,220,950	916,675	840,000	407,360	36,087,991
West	800,251	1,256,667	4,656,926	2,689,315	0	0	0	7,346,241
Total Office of Transportation	17,347,353	59,696,361	79,926,472	31,642,687	16,304,040	14,148,051	17,393,005	159,414,255
Total Transportation and Parking	**$ 17,347,353**	**$ 59,696,361**	**$ 79,926,472**	**$ 31,642,687**	**$ 16,304,040**	**$ 14,148,051**	**$ 17,393,005**	**$159,414,255**

Capital Improvement Plan — Transportation

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Transportation and Parking								
Office of Transportation								
Centers & Main Streets Program								
3rd & 4th Streetscape, NW	796,432	1,923,900	4,321,976	67,000	0	0	0	4,388,976
Alberta - MLK to 33rd, NE	0	104,230	26,770	0	0	0	0	26,770
Central Eastside Bridgeheads	0	0	0	249,210	1,072,376	0	0	1,321,586
Cully Blvd: Prescott-Killingsworth	0	0	267,355	1,679,801	0	0	0	1,947,156
Division Streetscape/Recon, SE	0	0	354,612	1,609,499	1,353,733	0	0	3,317,844
Downtown Mall LRT	657,294	1,217,735	1,850,524	445,950	516,675	440,000	7,360	3,260,509
Gateway: 102nd Ave, NE/SE	123,286	2,274,967	3,632,365	0	0	0	0	3,632,365
Hawthorne: 20th - 55th, SE	614,705	291,716	1,845,579	0	0	0	0	1,845,579
Killingsworth: Interstate-Commercial, N	29,009	950,000	540,894	636,473	0	0	0	1,177,367
OHSU: 6th & Sheridan St, SW	16,963	709,000	39,515	0	0	0	0	39,515
Portland Streetcar - Gibbs	529,137	9,600,000	9,400,000	0	0	0	0	9,400,000
Portland Streetcar-Eastside Ext	67,385	225,000	1,015,250	2,025,000	4,025,000	10,025,000	14,025,000	31,115,250
S Waterfront: Bond Ave., SW	17,755	244,000	1,867,245	0	0	0	0	1,867,245
S Waterfront: Central Dist., SW	192,593	1,665,919	2,629,825	0	0	0	0	2,629,825
S Waterfront: Macadam Ave, SW	75,780	109,400	1,548,600	0	0	0	0	1,548,600
S Waterfront: Moody - Gibbs	8,537	50,000	3,233,868	0	0	0	0	3,233,868
S Waterfront: Tram, SW	1,642,067	15,300,608	11,557,325	0	0	0	0	11,557,325
Sandy Blvd: 13th-47th, NE	368,756	487,302	4,085,412	3,217,107	60,000	0	0	7,362,519
St Johns/Lombard Ped Imp, N	0	0	0	357,766	667,768	0	0	1,025,534
Total Centers & Main Streets Program	5,139,699	35,153,777	48,217,115	10,287,806	7,695,552	10,465,000	14,032,360	90,697,833
Freight & Industrial Area Program								
148th Ave: Airportway-Marine, NE	0	135,300	1,648,900	0	0	0	0	1,648,900
Col/Killingsworth E Conn, NE	1,877,695	12,460,181	5,439,692	7,908,906	3,050,261	0	0	16,398,859
Columbia Blvd/MLK Blvd, NE	0	0	486,234	2,000,000	0	0	0	2,486,234
Freight Deficiency Improvement	0	0	257,842	189,492	0	0	0	447,334
Going St. Bridge, N	0	11,940	0	0	0	300,000	0	300,000
Lombard Overcrossing, N	4,707,099	1,076,557	249,448	0	0	0	0	249,448
St Johns Truck Strategy, PH I	0	0	0	357,766	749,319	0	0	1,107,085
Total Freight & Industrial Area Program	6,584,794	13,683,978	8,082,116	10,456,164	3,799,580	300,000	0	22,637,860
Local Street Development Program								
13th Ave: Johnson-Raleigh, NW	125,444	1,799,644	695,110	0	0	0	0	695,110
Comm/Industrial Street Prgm, CW	370,708	546,057	562,210	554,736	579,283	608,247	638,659	2,943,135
Deficiency Corrections Prgm, CW	38,778	50,000	50,000	50,000	50,000	50,000	50,000	250,000
LID Street Design, NI	195,800	205,758	227,900	239,400	251,400	263,900	277,100	1,259,700
Minor Permit Streets Prgm, CW	152,400	178,516	192,815	193,701	203,386	213,555	224,233	1,027,690
Pre-LID Street Design, NI	30,000	30,000	30,000	30,000	30,000	30,000	30,000	150,000
Subdivision Street Program CW	240,879	406,160	278,201	273,993	287,693	302,078	317,182	1,459,147
Total Local Street Development Pro-	1,154,009	3,216,135	2,036,236	1,341,830	1,401,762	1,467,780	1,537,174	7,784,782
Neighborhood Livability Program								
Bikeway Network Completion, CW	80,478	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Corbett Traffic Phase III, SW	6,382	50,000	100,000	0	0	0	0	100,000
Foster at Barbara Welch, SE	0	0	0	1,047,720	0	0	0	1,047,720
HEP Project: Linnton, NW	0	125,831	424,169	0	0	0	0	424,169
Interstate Livability Project	0	100,000	90,000	50,000	50,000	50,000	50,000	290,000
Kerby/I-405, N	0	302,053	397,947	0	0	0	0	397,947
Lents TC: 92nd Ave., SE	0	256,416	1,327,665	1,286,965	0	0	0	2,614,630
Lents TC: Neighborhood Sts, SE	281,100	431,600	2,095,600	0	0	0	0	2,095,600
Lents TC: Traffic Safety, SE	15,582	150,000	150,000	150,000	300,000	0	0	600,000
MLK Corridor Engr & Const, NE	109,739	2,965,000	586,160	0	0	0	0	586,160
Morgan Ln: Mill Pond-500' S, NW	0	24,054	101,104	0	0	0	0	101,104
Ped Infill & Network Completion	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
TriMet Streamline, CW	142,554	103,225	250,000	0	0	0	0	250,000
Total Neighborhood Livability Program	685,835	4,608,179	5,622,645	2,634,685	450,000	150,000	150,000	9,007,330
Preservation & Rehabilitation Program								
23rd: Burnside-Lovejoy, NW	28,673	234,890	696,495	891,000	0	0	0	1,587,495

Capital Improvement Plan — Transportation

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
33rd Over Columbia Slough, East Half NE	21,958	241,792	1,189,820	0	0	0	0	1,189,820
33rd Over Columbia Slough, West HalfNE	0	0	1,549,000	0	0	0	0	1,549,000
33rd Over Lombard & UPRR, NE	12,746	380,254	3,112,510	0	0	0	0	3,112,510
Burgard Rd Over Abandon Rail Road, N	0	0	1,206,000	0	0	0	0	1,206,000
CBD Cable Replacement, SW/NW	1,700,000	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
ESA Culvert Replacement	90,131	0	148,022	100,000	100,000	100,000	100,000	548,022
Foster Rd Over Johnson Creek, SE	0	0	113,388	158,612	1,149,000	0	0	1,421,000
MLK Viaduct, SE	112,850	27,398	59,075	25,075	27,075	0	0	111,225
Naito Pkwy: Davis-Market SW, NW	800,251	1,256,667	4,656,926	2,689,315	0	0	0	7,346,241
Signal Communication System	0	125,000	100,000	100,000	100,000	100,000	100,000	500,000
Signal Reconstruction, NI	0	570,000	570,000	570,000	570,000	570,000	570,000	2,850,000
Total Preservation & Rehabilitation Pro-	2,766,609	3,236,001	13,801,236	4,934,002	2,346,075	1,170,000	1,170,000	23,421,313
Safety & Congestion Mgmt Program								
Bridge at Germantown HEP, NW	0	0	27,550	0	0	0	0	27,550
Citywide ITS, CW	0	0	291,936	0	0	0	0	291,936
Future HEP Projects	0	0	0	75,000	75,000	75,000	75,000	300,000
N Lombard at Portsmouth HEP, N	0	0	25,493	0	0	0	0	25,493
Total Safety & Congestion Mgmt Pro-	0	0	344,979	75,000	75,000	75,000	75,000	644,979
Special Projects Program								
I-205 LRT	4,814	116,880	145,145	108,200	115,800	100,000	8,200	477,345
Interstate MAX Light Rail, N	2,711,593	19,064	2,000	0	0	0	0	2,000
MTIP/OTIA Program Match Fund	0	12,347	0	0	420,271	420,271	420,271	1,260,813
SmartMeters for Lloyd District	0	50,000	1,100,000	630,000	0	0	0	1,730,000
SmartMeters for South Waterfront	0	0	375,000	375,000	0	0	0	750,000
Sunderland Yard	0	0	200,000	800,000	0	0	0	1,000,000
Total Special Projects Program	2,716,407	198,291	1,822,145	1,913,200	536,071	520,271	428,471	5,220,158
Total Office of Transportation	19,047,353	60,096,361	79,926,472	31,642,687	16,304,040	14,148,051	17,393,005	159,414,255
Total Transportation and Parking	**$ 19,047,353**	**$ 60,096,361**	**$ 79,926,472**	**$ 31,642,687**	**$ 16,304,040**	**$ 14,148,051**	**$ 17,393,005**	**$159,414,255**

Office of Transportation
Overview and Financial Tables

BUREAU SUMMARY

Executive Summary

This Capital Improvement Plan includes nearly $200 million of investment in the next five years in Portland's internationally renowned transportation infrastructure. Already a leader in transit, bicycle and pedestrian facilities, and smart urban planning, Portland's transportation CIP continues to focus on key issues critical to the long-term economic health and livability of the City.

Building on past successes, this plan includes projects to expand the already highly acclaimed light rail system to add the downtown south-north leg, extend our award-winning streetcar to south of downtown and to the east side, and develop transportation facilities such as the tram in the South Waterfront region. PDOT continues to help realize Metro's 2040 plan with village centers and main street developments in the Gateway, St. Johns, Killingsworth, Sandy Boulevard, Hawthorne, and Burnside areas. Local streets will be brought up to standard and existing assets rehabilitated, including key bridges such as the MLK viaduct and the Union Pacific Railroad crossing on 33rd street over Lombard street. PDOT will continue to invest in important freight routes to keep goods and services moving, a key to sustaining the local economy.

While PDOT's resources are limited, it has leveraged the contributions of several funding partners to focus the investments on those areas that will have the greatest impact on the transportation system. This capital improvement plan represents a balanced, progressive approach toward realizing the vision of a safe, effective, multi-modal transportation system.

Investment Priorities

PDOT plans to invest over $159 million into the City's transportation system in the next five years and leverage an additional $40 million or more of funds directly spent by its regional partners. While the types of projects vary widely, the following areas stand out as top investment priorities:

Preservation and rehabilitation

A top capital investment priority is preservation and rehabilitation of PDOT's $6.4 billion in transportation assets. The principal funding sources of this program are federal funds, the third Oregon Transportation Investment Act (OTIA III), and General Transportation Revenue (GTR), PDOT's discretionary funding source. Of these, OTIA is running out and GTR revenues devoted to the CIP have been cut 80% since 1998 due to flat revenues.

Centers, Main Streets, and Neighborhoods

The Centers and Main Streets program is principally funded by federal grants and development grants from the Portland Development Commission (PDC). These projects implement the vision contained in the Regional Framework Plan adopted by Metro to create pedestrian-friendly urban centers and a more livable city. Another objective is to invest directly in neighborhoods, an important element in developing vital town centers. A third objective is to mitigate density. Federal grants with some local match dollars fund the streetcar and light rail extensions, while the tram will be financed primarily by private funding.

Economic health

A major focus of this program is to improve the area's economic health, principally through urban renewal and the improvement of freight movement. A significant portion of PDOT's CIP program is oriented to urban renewal, funded by the Portland Development Commission. PDOT plays the role of service provider, working with funding partners to ensure that the transportation portion of the urban renewal projects is completed properly. Funding for urban renewal comes primarily from federal grants. Freight projects address the movement of goods in the region along main arterials. The freight program is funded primarily by state grants (including OTIA III grants), federal grants, and systems development charge funds.

Major Funding Sources

Tax increment financing

The Portland Development Commission, through tax-increment financing, is a major partner in developing and funding (over $30 million) transportation-related projects in PDOT's CIP. PDC funds projects in several capital programs: Centers and Main Streets, Local Street Development, Neighborhood Livability, Preservation and Rehabilitation, and Special Projects. PDC-funded projects include the Streetcar, South Waterfront, and the 3rd and 4th streetscape project.

Federal and state grants

The Metro Transportation Improvement Program (MTIP), or Transportation Priorities program as it is also known, is the regional process for identifying which transportation projects and programs will receive funding from the federal Surface Transportation Program (STP) and Congestion Mitigation/Air Quality (CMAQ) grant funds. Municipalities in the Portland metropolitan area compete for these funds based on criteria established by the Joint Policy Advisory Committee on Transportation (JPACT) and the Metro Council. PDOT will receive $38.5 million to fund projects in this five-year plan from MTIP.

The third Oregon Transportation Investment Act, passed in 2003, raised vehicle registration and other fees to pay for bridge and highway repairs across Oregon. PDOT expects to receive about $29 million in OTIA grants in this CIP. The funds will be used to repair major arterials and bridges to keep goods and people moving in the city.

Local Funding Sources

Systems Development Charge

The System Development Charge (SDC) for Transportation funds about $6 million in capital improvements annually. Developers pay fees to defray the cost of system improvements required in response to new development. SDC funds are collected annually but accounted for separately from other bureau program revenues and allocated to the operating budget as qualifying projects are initiated.

Strict criteria govern the projects that may use SDC funds. A total of 37 transportation projects have been identified, totaling $119 million. Of these, nine are completed, seven are in process, seven are planned, and 14 will not be built due to lack of funds. About $13.5 million of SDC funds will be spent on projects in this five-year CIP.

Local Improvement Districts

Property owners can join together to form a Local Improvement District (LID) as a means of sharing in the cost of building needed transportation infrastructure. LIDs make possible local street improvements that promote public safety, community livability, and enhance property values. About $19.6 million of LID funds will be spent on these projects in the 2006-10 CIP, about two-thirds of it in FY 2005-06.

General Transportation Revenues

General Transportation Revenues are PDOT's discretionary sources of revenue. GTR is comprised of two sources: State Highway Trust Fund (mostly gas taxes) and parking meter fees and fines. State Highway Trust Fund monies are constitutionally restricted for use on "construction of roads, streets, and roadside rest areas." About half of GTR in the CIP is used to fully fund projects in the Centers and Main Streets, Preservation and Rehabilitation, and Neighborhood Livability programs, and about half is used as match dollars for grants. About $1.5 million of new GTR is allocated to the CIP annually; about $1.6 million of GTR in FY 2005-06 is carried over from prior years.

Other local funds

Other local funds such as permit fees, General Fund transfers for street lighting, interagency funds, and intergovernmental agreements comprise about $7.5 million in CIP funding over this five-year period.

Issues

While this CIP addresses PDOT's top system investment priorities with prudent application of available funds, concerns persist on both the resource and requirement sides. First, resources are not keeping pace with requirements due to inflation, new requirements, and expiring or uncertain resource streams. Second, system growth and the aging of the infrastructure put continued upward pressure on requirements.

Limited GTR

GTR, PDOT's discretionary funding source, has been flat in recent years, and this trend is expected to continue, while expenses continue to grow. This will lead to a gap between expenses and revenue in coming years and increasing downward pressure on this funding source for CIP. Programs particularly dependent on GTR such as Neighborhood Livability, Preservation and Rehabilitation, and Safety and Congestion Management are particularly hit hard by the constraint on GTR.

Another consequence is that PDOT's ability to direct investment in the system is increasingly limited. More and more, PDOT's capital plan is directed by the availability of outside funds. This means PDOT is responding to its funding partners' needs rather than directing investment where it is most needed from a system-wide perspective.

SDC expiring

The SDC, passed by Council in 1997, sunsets in July 2007. All currently projected funds are committed to qualifying projects. In order for SDC funding to continue to fund transportation projects, Council must approve a new SDC authority.

OTIA funding exhausted

Another major funding source that is short-term in nature is OTIA. OTIA funds, like SDC, are already committed to projects. Once those projects are completed, the funds dry up, unless the legislature enacts a new OTIA. Lacking that, this significant source of CIP funds will disappear after FY 2007-08.

Limited General Fund capital resources for street lights

The Street Light program and includes $400,000 in capital for replacement, is funded by the General Fund. This figure is far below the amount needed to sustain this program; street light conditions will deteriorate unless additional funding is provided.

LID funding

Local street improvements depend on the LID program to provide funding. The LID program, in turn, relies on subsidies - as high as 50% - to make the projects affordable for the affected residents. However, there is no funding available to subsidize new LID projects. Without a new funding source, the LID program for local streets will be very limited or nonexistent in the near future.

Operations and maintenance impact

Existing resources are not adequate to maintain and operate the system sustainably. Maintenance backlogs grow annually under current funding levels.

As the system expands, the cost of operating and maintaining the system grows, further intensifying fiscal pressures on discretionary income. New facilities being built in this CIP will add about $150,000 per year to annual operations and maintenance costs beginning in FY 2005-06.

To help reduce long-term costs of both new and replaced assets, PDOT has convened a team of asset managers to create a comprehensive life-cycle approach to asset management - one which considers "cradle-to-grave" asset creation, maintenance, and management costs. This will ensure that the right choices are made with respect to materials, methods, and quality throughout an asset's life cycle.

Capital backlog

The Transportation Systems Plan (TSP) identified project needs in six areas for the next 20 years and potential funding strategies. Unmet needs, defined as total needs less the amount for which funding has currently been identified, exceed $400 million, approximately six times the size of the current capital program.

STRATEGIC DIRECTION

Council Goals

The projects included in this program are consistent with Council's goal to operate and maintain an effective and safe transportation system.

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.

Transportation System Plan

The Transportation System Plan is a 20-year planning document, mandated by the State Transportation Planning Rule. TSP contains over 600 transportation projects for Portland, which address capital improvement needs for all modes of transportation, and is consistent with Metro's 2040 Growth Concept.

The TSP is the primary document for guiding transportation CIP investments. TSP identifies major improvements and includes a list of significant projects over the next 20 years. Capital projects will move from the TSP list to a Transportation Requested CIP budget after thorough evaluation based on policy compliance criteria and identification funding status and approval of the Transportation Capital Oversight Committee.

PDOT Strategic Plan

The Transportation's Strategic Plan, completed in June, 2004, outlined a new mission statement, vision, set of goals, and strategies. This plan will guide transportation's activities and policies in coming years to continue to make Portland a place where all residents can pursue opportunities for a high quality of life.

Mission

The Portland Office of Transportation is the steward of the City's transportation system, and 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.

Strategic objectives

PDOT's strategic plan lays out five specific Strategies for Action for the next five years:

- *Build and operate the transportation system to last.* PDOT, like many jurisdictions across the country, is working to match our capital investment strategy with a long-term asset management model.
- *Establish sustainable funding for a sustainable infrastructure.* Looming funding shortages require both revenue enhancement and cost containment.
- *Deliver projects for people, jobs, and neighborhoods.* Transportation plays an essential role in economically critical areas such as freight mobility, industrial access, and parking management, as well as in stimulating job creation and retail activity. At the same time, PDOT works to support Portland's much-praised livability with its focus on safety and neighborhood projects.
- *Tell the PDOT story.* PDOT needs to improve its communication with the community as well as with local and state decision-makers about "what's at stake" with regard to transportation system funding, economic development, and livability.
- *Pull together as one organization.* PDOT is working to implement the results of a study completed in 2003 to point the way toward workplace improvement and development.

CAPITAL PLANNING & BUDGETING

CIP Planning Process

Inputs to the Transportation CIP planning process include the TSP, City Goals, the 2040 Plan, and the PDOT Strategic Plan.

Selection 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 and are scored and ranked based on TSP criteria in accordance with City Council goals, the Metro 2040 Growth concept, and Transportation's Strategic Plan.

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 list 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.

The CIP is reviewed by an internal Capital Oversight Committee, the PDOT Directors Team, OMF, and City Council.

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.

Information on CIP projects is available on the Internet at HTTP://WWW.PORTLANDMAPS.COM with summary and contact information and contact reference to be viewed from any desktop location. Citizens are able to review the project's status and even e-mail the appropriate project contact person directly from this web site.

Selection Criteria

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 a compact urban through development of high-priority Region 2040 areas.
- Reduce Vehicle Mile Traveled Per Capita (VMT) - support projects that 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 impacts 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 - ensure projects have a high level of community support.
- Efficient Use of Resources - address maximize efficiency and effectiveness of the system through 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 - employ an area-wide multi-modal approach to transportation needs.

Funding Sources

About 80% of PDOT's CIP funding comes from four sources: grants and donations from state, federal, and other outside agencies; urban renewal and development grants from the Portland Development Commission; contracts with other transportation-related non-City agencies to perform work on their behalf; and interagency agreements with other City bureaus. GTR, SDC, and other sources make up the remaining 20%.

CAPITAL PROGRAMS & PROJECTS

Overview

The Transportation CIP budget for FY 2005-10 continues to strive to achieve the goals of City Council and to provide diverse transportation modes. The total funding request for the five-year CIP is $156.6 million. Of this amount only $9.1 million (5.8%) is funded with General Transportation Revenue. The total CIP for FY 2005-06 is $79.9 million, of which $2.6 million (3.5%) is funded with General Transportation Revenue, including prior year carryover. Other funding sources include various federal and state grants, system development charges, permit engineering fees, and other public and private contracts. Principal funding partners include the Oregon Department of Transportation, the Portland Development Commission, and the Port of Portland.

These totals represent currently committed funds. For some programs, no funds are currently committed beyond FY 2007-08. However, it is anticipated that funding for future projects will be secured and these programs will continue.

Transportation CIP projects are budgeted in seven major programs. These CIP programs have changed slightly from the previous year to be in line with the Transportation System Plan. Below is a list of the new CIP programs. Details of the programs are described in the following pages.

- Centers and Main Streets
- Freight and Industrial Area
- Local Street Development
- Neighborhood Livability
- Preservation and Rehabilitation
  - Environmental & Endangered Species Act (ESA)
  - Signals
  - Street Lighting
  - Streets
  - Structures
  - Facilities
- Safety and Congestion Management
- Special Projects

Centers and Main Streets Program

This program supports high-priority areas of the Region 2040 growth concept, and requires urban design and integration with adjacent developments.

FY 2005-06: $48.2M

Projects in this program support centers that provide access to a variety of goods and services in a relatively small geographical area. A primary objective is to develop main streets. Main streets typically serve neighborhoods and may develop a regional specialization (such as art, antiques, shopping, fine dining, entertainment, etc.) that attracts people from other parts of the region. Main street projects support a high level of pedestrian and bike amenities and are further supported by transit links between centers.

The requested five-year plan amounts to $87.5 million. The majority of funding for this program comes from sources such as PDC, SDC, and state grants. This represents currently committed funds; it is anticipated that funding for future projects will be secured and the program will continue.

Some examples of projects in this program 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, additional landscaping, and street furnishings.

Sandy Blvd 13th-47th: This project will improve pavement conditions on Sandy Boulevard 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.

South Waterfront Tram: This project will design and construct an aerial tram connecting Marquam Hill with the South Waterfront District.

Gateway 102nd Avenue: This project will survey, design, and engineer pedestrian and street improvements at NE/SE 102nd between NE Hancock and SE Main streets in the Gateway Urban Renewal Area.

Downtown Mall Light Rail: This project adds a light rail line to SW 5th and SW 6th Avenues from NW Glisan to SW Jackson street, extending the transit mall to Portland State University. The project is scheduled to perform final engineering in FY 2005-06, with a construction start in the summer of 2006.

Portland Streetcar, Eastside Extension: Activities during FY 2005-06 will include an alternatives analysis for the alignment through the Lloyd District and Central Eastside to the Oregon Museum of Science and Industries. This is required for transit projects seeking federal funding through the Federal Transit Authority of the U.S. Department of Transportation.

Freight & Industrial Area Program

This program supports freight operation in and around the City of Portland.

FY 2005-06: $8.1M

The efficient and safe transport of goods is essential to Portland's and the region's economy, and enhances the area's economic effectiveness as a distribution hub. This program also focuses on maintaining Portland's livability and safety by helping minimize truck impact in neighborhoods. This program provides for industrial and commercial access projects as well as those that maximize regional economic growth and freight mobility along regional traffic ways.

The five-year total for this program is $22.6 million. This represents currently committed funds; it is anticipated that funding for future projects will be secured and the program will continue.

Examples of some of the projects in this program are:

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.

St-Johns Truck Strategy: This project will construct an intersection realignment and signal improvements between N Philadelphia/Ivanhoe and Lombard/St Louis.

148th Avenue LID: This project will design and construct street, sidewalk, and bike lane improvements along NE 148th Ave from north of Airport Way to Marine Drive.

Local Street Development Program

FY 2005-06: $2.0M

This program includes projects that build out the local street network through the provision of new infrastructure and the improvement of existing rights-of-way.

Projects may also include individual street elements to meet a specific deficiency such as frontage improvements, sidewalks, drainage facilities, etc. This program responds to new development and redevelopment throughout the City by providing multi-modal access improvements to individual properties, land subdivisions, and sub-areas. Projects from this program are typically developed as a result of street improvement permits, local improvement districts, and special funding programs such as Housing and Community Development fund.

Examples of these projects include:

Commercial/Industrial Street: This program provides for the plan review and construction engineering for development projects.

13th Ave Johnson-Raleigh: This project will provide for street improvements along NW 13th Ave from NW Johnson to Raleigh.

Subdivision Streets: This project will provide for plan review and construction of 25 residential subdivisions. All designs are prepared by consulting engineers.

Neighborhood Livability Program

FY 2005-06: $5.6M

This program includes projects that enhance neighborhood livability by creating safer local streets for the enjoyment of residents and improving accessibility to neighborhood destinations such as schools, parks, transit stops, and local commercial areas.

This program also promotes walking and bicycling as alternatives to the automobile for local destinations. The projects in this program are typically neighborhood-scale improvements that are implemented through comparatively low-cost improvements. The capital projects in this program may be coordinated with other supportive activities such as enforcement and education programs.

Examples of projects in this area include:

Lents Improvements: This project provides for street improvements within the Lents Urban Renewal District. This project may include residential street improvements, as well as bicycle, pedestrian, and traffic safety improvements.

Lents Town Center 92nd Ave: This project constructs sidewalks, bicycle lanes and stormwater drainage for SE 92nd Ave between Powell and Holgate Blvd within the Lents Urban Renewal District.

Hazard Elimination Project Linnton: This project provides signal upgrades and pedestrian crossing safety improvements at NW 105th and 107th Ave on St Helens Road in Linnton.

Preservation and Rehabilitation Program

This program provides for the maintenance and rehabilitation of existing transportation assets. It is divided into five subprograms.

FY 2005-06: $13.8M

The *Environmental and Endangered Species Act* 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 the 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 streetlights that have exceeded their service life.

The *Streets* subprogram 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 Bureau of Maintenance (BOM) operational equipment and benefit the public through enhancing BOM's efficiency and productivity. The projects in this subprogram may also improve the utilization of spaces, and equipment, and serve other needs within the Portland Office of Transportation.

In recent years, due to CIP fiscal constraints, funding for preservation and rehabilitation has greatly diminished.

In recent years, due to CIP fiscal constraints, the funding for preservation and rehabilitation has greatly diminished. PDOT has not been able to fund any reconstruction projects in the Streets and Structures subprogram for the last six years, which has resulted in further system deterioration.

Major projects in this program include:

NE 33rd over Lombard & UPPR: This structure has posted weight limits 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.

Burgard Road Over Abandon Rail Road: The existing bridge will be removed and replaced with fill and/or a combination of retaining wall and fill. This is an OTIA project.

Naito Parkway Market-Davis: This project will reconstruct Naito Parkway from NE Davis to SW Market. The project will include bike lanes, and improvement of ramps to ADA standards, and will provide for stormwater treatment and drainage.

Safety and Congestion Management Program

This program includes projects that address safety deficiencies in the transportation system and alleviate congestion problems using improvement solutions not requiring major roadway reconstruction. This program, while small by CIP standards, supplements the significant amount of operating program work supporting safety and congestion management. Generally the GTR funding in this category leverages much larger federally funded projects that yield significant results.

FY 2005-06: $345,000

The projects in this program typically address motor vehicle system needs (traffic, transit, and trucks) but are also developed in a manner supportive of other modes. These projects usually involve intersection improvements, signal timing and operations, and major signal upgrades. This program supports implementation of the ITS (Intelligent Transportation System) Plan and the Hazard Elimination Program (HEP). Limited availability of funds is a major constraint on this program. The only funds currently requested for this program after FY 2006-07 are $75,000 in GTR.

Projects include:

NW Bridge Ave at Germantown Road (HEP): This project will install a new traffic signal to reduce crashes.

N Lombard at Portsmouth Ave. (HEP): This project will replace the traffic signal, and install a curb extension to improve signal visibility and phasing. Proposed improvements will reduce crashes.

Special Projects Program

This program provides for strategic system improvements that benefit a specific transportation objective, or have regional transportation significance.

FY 2005-06: $1.8M

The projects in this program need not be mode-specific and may be developed cooperatively within the guidelines of Metro's Regional Transportation Plan and other regional or state plans or agreements. The key projects in this area include:

SmartMeters for Lloyd District: This project will replace single-space meters with multi-space meters and provide multi-space in historically non-metered areas. The multi-space meters will improve operating efficiency and revenue recovery.

Sunderland Yard: This project will develop a recently acquired lot for the expansion of recycling activities, e.g., recycling sweeper debris. The development will require conditional use permits, permit applications, soil sample testing, road construction, and planning.

Capital Improvement Plan — Office of Transportation

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area within each bureau in this Service Area.

Service Area		Revised	Adopted	Capital Plan				
Geographic Area	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5–Year Total**
Office of Transportation								
Undefined	1,598,279	3,165,079	6,484,169	4,420,263	4,788,728	2,733,051	2,802,445	21,228,656
All Areas	90,131	0	548,022	100,000	100,000	100,000	100,000	948,022
East	128,100	2,391,847	3,777,510	108,200	115,800	100,000	8,200	4,109,710
North	7,418,692	1,509,614	1,970,888	407,766	717,768	350,000	50,000	3,496,422
Northeast	2,419,903	17,774,059	20,232,747	16,872,287	3,110,261	0	0	40,215,295
Northwest	950,549	4,084,265	6,165,300	958,000	0	0	0	7,123,300
Southeast	794,940	544,114	3,387,904	4,865,906	6,554,808	10,025,000	14,025,000	38,858,618
Southwest	3,146,508	28,970,716	32,703,006	1,220,950	916,675	840,000	407,360	36,087,991
West	800,251	1,256,667	4,656,926	2,689,315	0	0	0	7,346,241
Total Office of Transportation	**$ 17,347,353**	**$ 59,696,361**	**$ 79,926,472**	**$ 31,642,687**	**$ 16,304,040**	**$ 14,148,051**	**$ 17,393,005**	**$159,414,255**

Capital Improvement Plan — Office of Transportation

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program / Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Office of Transportation								
Centers & Main Streets Program								
3rd & 4th Streetscape, NW	796,432	1,923,900	4,321,976	67,000	0	0	0	4,388,976
Alberta - MLK to 33rd, NE	0	104,230	26,770	0	0	0	0	26,770
Central Eastside Bridgeheads	0	0	0	249,210	1,072,376	0	0	1,321,586
Cully Blvd: Prescott-Killingsworth	0	0	267,355	1,679,801	0	0	0	1,947,156
Division Streetscape/Recon, SE	0	0	354,612	1,609,499	1,353,733	0	0	3,317,844
Downtown Mall LRT	657,294	1,217,735	1,850,524	445,950	516,675	440,000	7,360	3,260,509
Gateway: 102nd Ave, NE/SE	123,286	2,274,967	3,632,365	0	0	0	0	3,632,365
Hawthorne: 20th - 55th, SE	614,705	291,716	1,845,579	0	0	0	0	1,845,579
Killingsworth: Interstate-Commercial, N	29,009	950,000	540,894	636,473	0	0	0	1,177,367
OHSU: 6th & Sheridan St, SW	16,963	709,000	39,515	0	0	0	0	39,515
Portland Streetcar - Gibbs	529,137	9,600,000	9,400,000	0	0	0	0	9,400,000
Portland Streetcar-Eastside Ext	67,385	225,000	1,015,250	2,025,000	4,025,000	10,025,000	14,025,000	31,115,250
S Waterfront: Bond Ave., SW	17,755	244,000	1,867,245	0	0	0	0	1,867,245
S Waterfront: Central Dist., SW	192,593	1,665,919	2,629,825	0	0	0	0	2,629,825
S Waterfront: Macadam Ave, SW	75,780	109,400	1,548,600	0	0	0	0	1,548,600
S Waterfront: Moody - Gibbs	8,537	50,000	3,233,868	0	0	0	0	3,233,868
S Waterfront: Tram, SW	1,642,067	15,300,608	11,557,325	0	0	0	0	11,557,325
Sandy Blvd: 13th-47th, NE	368,756	487,302	4,085,412	3,217,107	60,000	0	0	7,362,519
St Johns/Lombard Ped Imp, N	0	0	0	357,766	667,768	0	0	1,025,534
Total Centers & Main Streets Program	5,139,699	35,153,777	48,217,115	10,287,806	7,695,552	10,465,000	14,032,360	90,697,833
Freight & Industrial Area Program								
148th Ave: Airportway-Marine, NE	0	135,300	1,648,900	0	0	0	0	1,648,900
Col/Killingsworth E Conn, NE	1,877,695	12,460,181	5,439,692	7,908,906	3,050,261	0	0	16,398,859
Columbia Blvd/MLK Blvd, NE	0	0	486,234	2,000,000	0	0	0	2,486,234
Freight Deficiency Improvement	0	0	257,842	189,492	0	0	0	447,334
Going St. Bridge, N	0	11,940	0	0	0	300,000	0	300,000
Lombard Overcrossing, N	4,707,099	1,076,557	249,448	0	0	0	0	249,448
St Johns Truck Strategy, PH I	0	0	0	357,766	749,319	0	0	1,107,085
Total Freight & Industrial Area Program	6,584,794	13,683,978	8,082,116	10,456,164	3,799,580	300,000	0	22,637,860
Local Street Development Program								
13th Ave: Johnson-Raleigh, NW	125,444	1,799,644	695,110	0	0	0	0	695,110
Comm/Industrial Street Prgm, CW	370,708	546,057	562,210	554,736	579,283	608,247	638,659	2,943,135
Deficiency Corrections Prgm, CW	38,778	50,000	50,000	50,000	50,000	50,000	50,000	250,000
LID Street Design, NI	195,800	205,758	227,900	239,400	251,400	263,900	277,100	1,259,700
Minor Permit Streets Prgm, CW	152,400	178,516	192,815	193,701	203,386	213,555	224,233	1,027,690
Pre-LID Street Design, NI	30,000	30,000	30,000	30,000	30,000	30,000	30,000	150,000
Subdivision Street Program CW	240,879	406,160	278,201	273,993	287,693	302,078	317,182	1,459,147
Total Local Street Development Pro-	1,154,009	3,216,135	2,036,236	1,341,830	1,401,762	1,467,780	1,537,174	7,784,782
Neighborhood Livability Program								
Bikeway Network Completion, CW	80,478	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Corbett Traffic Phase III, SW	6,382	50,000	100,000	0	0	0	0	100,000
Foster at Barbara Welch, SE	0	0	0	1,047,720	0	0	0	1,047,720
HEP Project: Linnton, NW	0	125,831	424,169	0	0	0	0	424,169
Interstate Livability Project	0	100,000	90,000	50,000	50,000	50,000	50,000	290,000
Kerby/I-405, N	0	302,053	397,947	0	0	0	0	397,947
Lents TC: 92nd Ave., SE	0	256,416	1,327,665	1,286,965	0	0	0	2,614,630
Lents TC: Neighborhood Sts, SE	281,100	431,600	2,095,600	0	0	0	0	2,095,600
Lents TC: Traffic Safety, SE	15,582	150,000	150,000	150,000	300,000	0	0	600,000
MLK Corridor Engr & Const, NE	109,739	2,965,000	586,160	0	0	0	0	586,160
Morgan Ln: Mill Pond-500' S, NW	0	24,054	101,104	0	0	0	0	101,104
Ped Infill & Network Completion	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
TriMet Streamline, CW	142,554	103,225	250,000	0	0	0	0	250,000
Total Neighborhood Livability Program	685,835	4,608,179	5,622,645	2,634,685	450,000	150,000	150,000	9,007,330
Preservation & Rehabilitation Program								
23rd: Burnside-Lovejoy, NW	28,673	234,890	696,495	891,000	0	0	0	1,587,495
33rd Over Columbia Slough, West Half NE	21,958	241,792	1,189,820	0	0	0	0	1,189,820

Capital Improvement Plan — Office of Transportation

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program / Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
33rd Over Columbia Slough, East Half NE	0	0	1,549,000	0	0	0	0	1,549,000
33rd Over Lombard & UPRR, NE	12,746	380,254	3,112,510	0	0	0	0	3,112,510
Burgard Rd Over Abandon Rail Road, N	0	0	1,206,000	0	0	0	0	1,206,000
CBD Cable Replacement, SW/NW	1,700,000	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
ESA Culvert Replacement	90,131	0	148,022	100,000	100,000	100,000	100,000	548,022
Foster Rd Over Johnson Creek, SE	0	0	113,388	158,612	1,149,000	0	0	1,421,000
MLK Viaduct, SE	112,850	27,398	59,075	25,075	27,075	0	0	111,225
Naito Pkwy: Davis-Market SW, NW	800,251	1,256,667	4,656,926	2,689,315	0	0	0	7,346,241
Signal Communication System	0	125,000	100,000	100,000	100,000	100,000	100,000	500,000
Signal Reconstruction, NI	0	570,000	570,000	570,000	570,000	570,000	570,000	2,850,000
Total Preservation & Rehabilitation Pro-	2,766,609	3,236,001	13,801,236	4,934,002	2,346,075	1,170,000	1,170,000	23,421,313
Safety & Congestion Mgmt Program								
Bridge at Germantown HEP, NW	0	0	27,550	0	0	0	0	27,550
Citywide ITS, CW	0	0	291,936	0	0	0	0	291,936
Future HEP Projects	0	0	0	75,000	75,000	75,000	75,000	300,000
N Lombard at Portsmouth HEP, N	0	0	25,493	0	0	0	0	25,493
Total Safety & Congestion Mgmt Pro-	0	0	344,979	75,000	75,000	75,000	75,000	644,979
Special Projects Program								
I-205 LRT	4,814	116,880	145,145	108,200	115,800	100,000	8,200	477,345
Interstate MAX Light Rail, N	2,711,593	19,064	2,000	0	0	0	0	2,000
MTIP/OTIA Program Match Fund	0	12,347	0	0	420,271	420,271	420,271	1,260,813
SmartMeters for Lloyd District	0	50,000	1,100,000	630,000	0	0	0	1,730,000
SmartMeters for South Waterfront	0	0	375,000	375,000	0	0	0	750,000
Sunderland Yard	0	0	200,000	800,000	0	0	0	1,000,000
Total Special Projects Program	2,716,407	198,291	1,822,145	1,913,200	536,071	520,271	428,471	5,220,158
Total Office of Transportation	**$ 19,047,353**	**$ 60,096,361**	**$ 79,926,472**	**$ 31,642,687**	**$ 16,304,040**	**$ 14,148,051**	**$ 17,393,005**	**$159,414,255**

Centers & Main Streets Program

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 langscaping and street furnishings. This project is funded by PDC.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Transportation Operating Fund	0	40,000	0	0	0	0	0	0
Local Cost Sharing - Portland	796,432	1,883,900	4,321,976	67,000	0	0	0	4,388,976
Total Funding Sources	796,432	1,923,900	4,321,976	67,000	0	0	0	4,388,976
Operating & Maintenance Costs			0	0	0	0	0	0

Alberta - MLK to 33rd, NE

Area: NE

Objective(s): Expansion

Project Description

The project will design and construct street improvements recommended in the Alberta Streetscape Plan between NE MLK Blvd & NE 33rd Ave. The plan identified improvements to help slow traffic, make the street a safer and more pleasant place to walk and create more accessible transit stops. Curb extensions, new ornamental street lighting, crossing improvements, transit amenities, street trees and public art will be installed between June 2002 and June 2003.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Transportation Operating Fund	0	104,230	0	0	0	0	0	0
Discretionary Rev - Ongoing	0	0	26,770	0	0	0	0	26,770
Total Funding Sources	0	104,230	26,770	0	0	0	0	26,770
Operating & Maintenance Costs			0	0	0	0	0	0

Central Eastside Bridgeheads

Area: Undef

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, removal of the hazardous weaving traffic movements in the vicinity of the Morrison and Hawthorne Bridge approaches, realignment of the ramp, and provision of a sidewalk from the Morrison Bridge to Water Avenue (latter to be done by Multnomah County).

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Transportation Operating Fund	0	0	0	23,210	99,876	0	0	123,086
Federal Grants Fund	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
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Cully Blvd: Prescott-Killingsworth

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								
Federal Grants Fund	0	0	172,885	600,587	0	0	0	773,472
Public Works/Utility Charges	0	0	94,470	1,079,214	0	0	0	1,173,684
Total Funding Sources	0	0	267,355	1,679,801	0	0	0	1,947,156
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

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: a 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								
Federal Grants Fund	0	0	271,267	875,486	1,353,733	0	0	2,500,486
Public Works/Utility Charges	0	0	83,345	734,013	0	0	0	817,358
Total Funding Sources	0	0	354,612	1,609,499	1,353,733	0	0	3,317,844
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Downtown Mall LRT

Area: SW

Objective(s): Mandate

Project Description

This project adds a light rail line to SW 5th and SW 6th from NW Glisan to SW Jackson, extending the transit mall to PSU. The project schedule is to perform final engineering in FY 2005-06, with a construction start in the summer of 2006. Construction will take place through FY 2008-09, with revenue service targeted for late FY 2008-09. 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. 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								
Federal Grants Fund	0	313,037	517,524	445,950	516,675	440,000	7,360	1,927,509
Public Works/Utility Charges	657,294	904,698	1,333,000	0	0	0	0	1,333,000
Total Funding Sources	657,294	1,217,735	1,850,524	445,950	516,675	440,000	7,360	3,260,509
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Gateway: 102nd Ave, NE/SE

Area: E

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								
Federal Grants Fund	27,971	274,967	2,885,351	0	0	0	0	2,885,351
Public Works/Utility Charges	0	2,000,000	747,014	0	0	0	0	747,014
Local Cost Sharing - Portland	95,315	0	0	0	0	0	0	0
Total Funding Sources	123,286	2,274,967	3,632,365	0	0	0	0	3,632,365
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Hawthorne: 20th - 55th, SE

Area: SE

Objective(s): Efficiency

Project Description

Conduct planning, engineering, and construction to improve Hawthorne Blvd for all modes and to support Hawthorne Blvd's role as a vital neighborhood main street in southeast Portland. The project includes improvements for pedestrian safety, transit efficiency, and bicycle access. Signal and intersection improvements will increase safety for vehicles, and on-street parking will remain. Traffic calming projects on adjacent streets will improve neighborhood livability and mitigate the effects of traffic in the project area.

Funding Sources								
Transportation Operating Fund	8,284	91,716	0	0	0	0	0	0
Federal Grants Fund	180,000	50,000	1,377,000	0	0	0	0	1,377,000
Public Works/Utility Charges	426,421	150,000	173,579	0	0	0	0	173,579
Discretionary Rev - Ongoing	0	0	295,000	0	0	0	0	295,000
Total Funding Sources	614,705	291,716	1,845,579	0	0	0	0	1,845,579
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Killingsworth: Interstate-Commercial, N

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 two travel lanes with parking. Proposed cross-section is two 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								
Transportation Operating Fund	0	500,000	0	0	0	0	0	0
Local Cost Sharing - Portland	29,009	450,000	540,894	636,473	0	0	0	1,177,367
Total Funding Sources	29,009	950,000	540,894	636,473	0	0	0	1,177,367
Operating & Maintenance Costs			0	0	0	0	0	0

OHSU: 6th & Sheridan St, SW

Area: SW

Objective(s): Expansion,

Project Description

The 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.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
O H S U	16,963	709,000	39,515	0	0	0	0	39,515
Total Funding Sources	16,963	709,000	39,515	0	0	0	0	39,515
Operating & Maintenance Costs			0	0	0	0	0	0

Portland Streetcar - Gibbs

Area: SW

Objective(s): Expansion

Project Description

Construction will begin in FY 2004-05 and be completed in FY 2005-06. Delivery of three new streetcar vehicles is scheduled for June/July 2006.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Local Improvement District Construction	0	0	2,020,000	0	0	0	0	2,020,000
Federal Grants Fund	529,137	5,820,000	7,380,000	0	0	0	0	7,380,000
Local Cost Sharing - Portland	0	3,780,000	0	0	0	0	0	0
Total Funding Sources	529,137	9,600,000	9,400,000	0	0	0	0	9,400,000
Operating & Maintenance Costs			0	0	0	0	0	0

Portland Streetcar-Eastside Ext

Area: SE

Objective(s): Mandate,

Project Description

Activities during FY 2005-06 will include an alternatives analysis for the alignment through the Lloyd District and Central Eastside to OMSI. This is required for transit projects seeking federal funding through the Federal Transit Authority of the U.S. Department of Transportation.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Local Improvement District Construction	0	0	0	0	0	0	5,000,000	5,000,000
Transportation Operating Fund	0	25,000	0	25,000	25,000	25,000	25,000	100,000
Federal Grants Fund	0	87,385	861,000	1,000,000	2,000,000	4,000,000	3,000,000	10,861,000
Local Cost Sharing - Portland	67,385	112,615	129,250	1,000,000	2,000,000	6,000,000	6,000,000	15,129,250
Discretionary Rev - Ongoing	0	0	25,000	0	0	0	0	25,000
Total Funding Sources	67,385	225,000	1,015,250	2,025,000	4,025,000	10,025,000	14,025,000	31,115,250
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
S Waterfront: Bond Ave., SW								
Area: SW								
Objective(s): Expansion								
Project Description								
Construction of street (curb to curb street with bike lane, temporary lighting, and temporary walks) and utility improvements (waterline, stormline, and private utility conduits/vaults) along SW Bond Avenue from Lane Street to Bancroft Street.								
Funding Sources								
Public Works/Utility Charges	17,755	244,000	1,317,245	0	0	0	0	1,317,245
Local Cost Sharing - Portland	0	0	550,000	0	0	0	0	550,000
Total Funding Sources	17,755	244,000	1,867,245	0	0	0	0	1,867,245
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
S Waterfront: Central Dist., SW								
Area: SW								
Objective(s): Expansion								
Project Description								
Construction of street improvements (curb to curb street, temporary lighting, and temporary walks) and private utility conduits/vaults in the South Waterfront Central District (the area bounded by SW Gibbs Street, Lane Street, Macadam Avenue, and the Willamette River.)								
Funding Sources								
Public Works/Utility Charges	192,593	1,665,919	982,088	0	0	0	0	982,088
Local Cost Sharing - Portland	0	0	1,647,737	0	0	0	0	1,647,737
Total Funding Sources	192,593	1,665,919	2,629,825	0	0	0	0	2,629,825
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
S Waterfront: Macadam Ave, SW								
Area: SW								
Objective(s): Expansion								
Project Description								
Construction of an additional I-5 northbound off-ramp lane to SW Macadam Avenue with a median separating it from the Macadam Avenue travel lanes. Traffic signals will be installed on Macadam at Gaines (which will become one-way westbound) and on Macadam at Curry (which will become one-way eastbound). Some improvements on the approaches to the Bancroft/Macadam/Hood intersection will be made as well.								
Funding Sources								
State Grants	0	101,400	1,548,600	0	0	0	0	1,548,600
Local Cost Sharing - Portland	75,780	8,000	0	0	0	0	0	0
Total Funding Sources	75,780	109,400	1,548,600	0	0	0	0	1,548,600
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
S Waterfront: Moody - Gibbs								
Area: SW								
Objective(s): Maintenance,								
Project Description								
This project will design and construct street and frontage improvements along SW Moody Avenue at Gibbs Street.								
Funding Sources								
Public Works/Utility Charges	8,537	0	1,618,268	0	0	0	0	1,618,268
Local Cost Sharing - Portland	0	50,000	1,615,600	0	0	0	0	1,615,600
Total Funding Sources	8,537	50,000	3,233,868	0	0	0	0	3,233,868
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
S Waterfront: Tram, SW								
Area: SW								
Objective(s): Expansion								
Project Description								
Design and construct an aerial tram connecting Marquam Hill with the South Waterfront District.								
Funding Sources								
Local Improvement District Construction	0	10,550,608	8,449,392	0	0	0	0	8,449,392
Federal Grants Fund	232,548	0	0	0	0	0	0	0
Local Cost Sharing - Portland	522,067	1,250,000	1,727,933	0	0	0	0	1,727,933
Private Grants/Donations	887,452	3,500,000	1,380,000	0	0	0	0	1,380,000
Total Funding Sources	1,642,067	15,300,608	11,557,325	0	0	0	0	11,557,325
Operating & Maintenance Costs			1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Sandy Blvd: 13th-47th, NE								
Area: NE								
Objective(s): Maintenance,								
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; 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 start with recommendations of the City's Hollywood Sandy Blvd Plan.								
Funding Sources								
Transportation Operating Fund	316,835	0	0	0	0	0	0	0
State Cost Sharing	51,921	487,302	4,085,412	3,217,107	60,000	0	0	7,362,519
Total Funding Sources	368,756	487,302	4,085,412	3,217,107	60,000	0	0	7,362,519
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

St Johns/Lombard Ped Imp, N

Area: N

Objective(s): Expansion

Project Description

Implements pedestrian safety improvements within the St-Johns Town Center and Pedestrian District recommended by the St-Johns/Lombard Plan. Improvements include a total of seven curb extensions at the following locations: N Ivanhoe/John, N Ivanhoe/Charleston, N Ivanhoe/Richmond. Improvements also include a new traffic signal at the intersection of N Ivanhoe/Richmond to improve pedestrian safety. All locations for curb extension improvements are subject to community review before construction.

Funding Sources								
Transportation Operating Fund	0	0	0	33,266	62,268	0	0	95,534
Federal Grants Fund	0	0	0	324,500	605,500	0	0	930,000
Total Funding Sources	0	0	0	357,766	667,768	0	0	1,025,534
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Freight & Industrial Area Program

148th Ave: Airportway-Marine, NE

Area: NE

Objective(s): Expansion

Project Description

Street, sidewalk and bike lane improvements along NE 148th Ave from north of Airport Way to Marine Drive.

Funding Sources								
Local Improvement District Construction	0	135,300	1,648,900	0	0	0	0	1,648,900
Total Funding Sources	0	135,300	1,648,900	0	0	0	0	1,648,900
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

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								
Public Works/Utility Charges	0	1,372,497	1,138,118	2,149,385	0	0	0	3,287,503
State Cost Sharing	94,536	10,875,858	4,301,574	5,759,521	3,050,261	0	0	13,111,356
Local Cost Sharing -Port Of Portland	1,783,159	211,826	0	0	0	0	0	0
Total Funding Sources	1,877,695	12,460,181	5,439,692	7,908,906	3,050,261	0	0	16,398,859
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
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.								
Funding Sources								
Federal Grants Fund	0	0	0	2,000,000	0	0	0	2,000,000
Public Works/Utility Charges	0	0	486,234	0	0	0	0	486,234
Total Funding Sources	0	0	486,234	2,000,000	0	0	0	2,486,234
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Freight Deficiency Improvement								
Area:								Undef
Objective(s):								Efficiency
Project Description								
The purpose of this program is to implement hot spot improvement to benefit the efficient movement of freight.								
Funding Sources								
Transportation Operating Fund	0	0	0	189,492	0	0	0	189,492
Discretionary Rev - Ongoing	0	0	257,842	0	0	0	0	257,842
Total Funding Sources	0	0	257,842	189,492	0	0	0	447,334
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Going St. Bridge, N								
Area:								N
Objective(s):								Replacement
Project Description								
The N Going Bridge serves as the only access to the Swan Island industrial area. Currently, the bridge is structurally inadequate to withstand a moderate seismic event and would most likely collapse on the railroad lines below. The proposed project would replace the existing bridge with a new six-lane structure, both increasing public safety and minimizing the loss of this critical transportation link in the event of an earthquake. The existing bridge has five columns that are located in the railyard; the new bridge would have one touch-down point in the railyard, which would increase clearance for rail activities.								
Funding Sources								
Local Improvement District Construction	0	11,940	0	0	0	0	0	0
Transportation Operating Fund	0	0	0	0	0	300,000	0	300,000
Total Funding Sources	0	11,940	0	0	0	300,000	0	300,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
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 and allowing for improved freight rail service to the Rivergate Industrial Area. The project will include bike lanes and sidewalks.								
Funding Sources								
Transportation Operating Fund	66,262	0	0	0	0	0	0	0
Federal Grants Fund	1,003,102	972,640	249,448	0	0	0	0	249,448
Public Works/Utility Charges	1,825,135	103,917	0	0	0	0	0	0
Local Cost Sharing -Port Of Portland	1,812,600	0	0	0	0	0	0	0
Total Funding Sources	4,707,099	1,076,557	249,448	0	0	0	0	249,448
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
St Johns Truck Strategy, PH I								
Area: Undef								
Objective(s): Efficiency								
Project Description								
Phase I implementation of the St-Johns Truck Strategy to improve freight mobility on the designated freight route between the St-Johns Bridge and Rivergate Industrial Area. Improvements include upgrades to the existing traffic signals at N Philadelphia/Ivanhoe and N St Louis/Lombard intersections with new curb and sidewalk construction, and geometry modifications to the N Ivanhoe/St-Louis intersection, with Right of Way acquisition. The project also includes seven curb extensions to improve pedestrian crossing safety at N Lombard/St-Louis, N Ivanhoe/St-Louis, N Ivanhoe/Philadelphia and N Philadelphia/Burlington.								
Funding Sources								
Transportation Operating Fund	0	0	0	33,266	69,819	0	0	103,085
Federal Grants Fund	0	0	0	324,500	679,500	0	0	1,004,000
Total Funding Sources	0	0	0	357,766	749,319	0	0	1,107,085
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Local Street Development Program								
13th Ave: Johnson-Raleigh, NW								
Area: NW								
Objective(s): Maintenance,								
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 approximately 10 years ago, and include an open concrete street with loading docks in lieu of sidewalks.								
Funding Sources								
Local Improvement District Construction	0	1,054,890	695,110	0	0	0	0	695,110
Transportation Operating Fund	20,198	0	0	0	0	0	0	0
Local Cost Sharing - Portland	105,246	744,754	0	0	0	0	0	0
Total Funding Sources	125,444	1,799,644	695,110	0	0	0	0	695,110
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Comm/Industrial Street Prgm, CW							**Area:**	Undef
							Objective(s):	Expansion
Project Description								
For FY 2004-05, this project category provides for the plan review and construction engineering on 32 projects.								
Funding Sources								
Transportation Operating Fund	45,700	47,528	0	54,444	53,463	53,463	53,463	214,833
Public Works/Utility Charges	325,008	498,529	509,861	500,292	525,820	554,784	585,196	2,675,953
Discretionary Rev - Ongoing	0	0	52,349	0	0	0	0	52,349
Total Funding Sources	370,708	546,057	562,210	554,736	579,283	608,247	638,659	2,943,135
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Deficiency Corrections Prgm, CW							**Area:**	Undef
							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 whhen built in conjunction with new permit projects.								
Funding Sources								
Transportation Operating Fund	38,778	50,000	0	50,000	50,000	50,000	50,000	200,000
Discretionary Rev - Ongoing	0	0	50,000	0	0	0	0	50,000
Total Funding Sources	38,778	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
LID Street Design, NI							**Area:**	Undef
							Objective(s):	Replacement
Project Description								
Design two 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 Construction	195,800	205,758	227,900	239,400	251,400	263,900	277,100	1,259,700
Total Funding Sources	195,800	205,758	227,900	239,400	251,400	263,900	277,100	1,259,700
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Minor Permit Streets Prgm, CW								
Area: Undef								
Objective(s): Expansion								
Project Description								
This category covers all nonresidential projects with construction values of less than $25,000. Category includes street closures, sidestrips, frontage improvements, inlets, sidewalks, etc.								
Funding Sources								
Transportation Operating Fund	32,037	26,620	0	28,792	29,944	29,944	29,944	118,624
Public Works/Utility Charges	120,363	151,896	165,130	164,909	173,442	183,611	194,289	881,381
Discretionary Rev - Ongoing	0	0	27,685	0	0	0	0	27,685
Total Funding Sources	152,400	178,516	192,815	193,701	203,386	213,555	224,233	1,027,690
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Pre-LID Street Design, NI								
Area: Undef								
Objective(s): Replacement								
Project Description								
Prepare 10 pre-LID estimates. These are estimates that may not result in a LID project and are, therefore, unrecoverable.								
Funding Sources								
Transportation Operating Fund	30,000	30,000	0	30,000	30,000	30,000	30,000	120,000
Discretionary Rev - Ongoing	0	0	30,000	0	0	0	0	30,000
Total Funding Sources	30,000	30,000	30,000	30,000	30,000	30,000	30,000	150,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Subdivision Street Program CW								
Area: Undef								
Objective(s): Expansion								
Project Description								
Program for FY 2005-06 provides for plan review and construction of 25 residential subdivisions. All designs are by consulting engineers.								
Funding Sources								
Transportation Operating Fund	21,937	23,400	0	25,309	26,322	26,322	26,322	104,275
Public Works/Utility Charges	218,942	382,760	253,865	248,684	261,371	275,756	290,860	1,330,536
Discretionary Rev - Ongoing	0	0	24,336	0	0	0	0	24,336
Total Funding Sources	240,879	406,160	278,201	273,993	287,693	302,078	317,182	1,459,147
Operating & Maintenance Costs			0	0	0	0	0	0

Neighborhood Livability Program

Bikeway Network Completion, CW

Area: Undef

Objective(s): Replacement

Project Description

Gaps in Portland's 200 miles of existing bikeways present significant barriers to bicyclists. These can be 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.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Discretionary Rev - Ongoing	80,478	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	80,478	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Operating & Maintenance Costs			0	0	0	0	0	0

Corbett Traffic Phase III, SW

Area: SW

Objective(s): Replacement

Project Description

Identify, design, and construct traffic calming improvements along SW Corbett Ave.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Transportation Operating Fund	6,382	50,000	0	0	0	0	0	0
Discretionary Rev - Ongoing	0	0	100,000	0	0	0	0	100,000
Total Funding Sources	6,382	50,000	100,000	0	0	0	0	100,000
Operating & Maintenance Costs			0	0	0	0	0	0

Foster at Barbara Welch, SE

Area: SE

Objective(s): Expansion

Project Description

Reconstruct both roadways to provide left turn lanes, bike lanes, and sidewalks, and install a traffic signal. Present and future development in the 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.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Public Works/Utility Charges	0	0	0	1,047,720	0	0	0	1,047,720
Total Funding Sources	0	0	0	1,047,720	0	0	0	1,047,720
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
HEP Project: Linnton, NW							**Area:**	NW
							Objective(s):	Efficiency
Project Description								
Signal upgrades and pedestrian crossing safety improvement at NW 105th and 107th Ave on St Helens Rd in Linnton.								
Funding Sources								
Transportation Operating Fund	0	50,000	0	0	0	0	0	0
Federal Grants Fund	0	75,831	424,169	0	0	0	0	424,169
Total Funding Sources	0	125,831	424,169	0	0	0	0	424,169
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Interstate Livability Project							**Area:**	N
							Objective(s):	Expansion
Project Description								
Plan, design, and construct neighborhood transportation improvements identified by the Interstate Corridor Urban Renewal Advisory Committee (ICURAC).								
Funding Sources								
Local Cost Sharing - Portland	0	100,000	90,000	50,000	50,000	50,000	50,000	290,000
Total Funding Sources	0	100,000	90,000	50,000	50,000	50,000	50,000	290,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Kerby/I-405, N							**Area:**	N
							Objective(s):	Efficiency
Project Description								
This project will increase the I-405 Kerby off ramp from one to two lanes. This will allow emergency vehicles more timely access Emanuel Hospital.								
Funding Sources								
Transportation Operating Fund	0	186,000	0	0	0	0	0	0
Federal Grants Fund	0	116,053	133,947	0	0	0	0	133,947
Public Works/Utility Charges	0	0	250,000	0	0	0	0	250,000
Discretionary Rev - Ongoing	0	0	14,000	0	0	0	0	14,000
Total Funding Sources	0	302,053	397,947	0	0	0	0	397,947
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Lents TC: 92nd Ave., SE

Area: Undef

Objective(s): Replacement

Project Description

Street improvement project to provide sidewalks, bicycle lane, and stormwater drainage for SE 92nd Ave between Powell and Holgate Blvd within the Lents Town Center Urban Renewal District.

Funding Sources								
Local Cost Sharing - Portland	0	256,416	1,327,665	1,286,965	0	0	0	2,614,630
Total Funding Sources	0	256,416	1,327,665	1,286,965	0	0	0	2,614,630
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Lents TC: Neighborhood Sts, SE

Area: Undef

Objective(s): Replacement

Project Description

Assist PDC with LID formation, street design, and construction services for the improvement of local neighborhood streets in the Lents Urban Renewal District.

Funding Sources								
Local Improvement District Construction	0	0	542,000	0	0	0	0	542,000
Local Cost Sharing - Portland	281,100	431,600	1,553,600	0	0	0	0	1,553,600
Total Funding Sources	281,100	431,600	2,095,600	0	0	0	0	2,095,600
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Lents TC: Traffic Safety, SE

Area: Undef

Objective(s): Efficiency

Project Description

Implements the Lents Traffic Safety Plan to improve multi-modal safety and neighborhood livability within the Lents Town Center Urban Renewal District. Specific improvement projects from the Lents Traffic Safety Plan will be identified when the overall project is initiated. Potential projects include: modifications to the SE 84th/ Foster Rd / Ellis intersection, installation of a safety beacon at the intersection of SE Harold/ 111th Ave, and curb extensions at the SE Insley/84th intersection.

Funding Sources								
Local Cost Sharing - Portland	15,582	150,000	150,000	150,000	300,000	0	0	600,000
Total Funding Sources	15,582	150,000	150,000	150,000	300,000	0	0	600,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

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								
Local Cost Sharing - Portland	109,739	2,965,000	586,160	0	0	0	0	586,160
Total Funding Sources	109,739	2,965,000	586,160	0	0	0	0	586,160
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Morgan Ln: Mill Pond-500' S, NW

Area: SW

Objective(s): Expansion

Project Description

The project will provide sidewalk along the east side of NW 102nd Ave from NW Mill Pond to the county line to calm traffic and improve pedestrian safety.

Funding Sources								
Transportation Operating Fund	0	24,054	0	0	0	0	0	0
Discretionary Rev - Ongoing	0	0	101,104	0	0	0	0	101,104
Total Funding Sources	0	24,054	101,104	0	0	0	0	101,104
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Ped Infill & Network Completion

Area: Undef

Objective(s): Replacement

Project Description

Gaps in Portland's existing pedestrian network, including sidewalks, trails, and crossing improvements, present significant barriers to pedestrians. These barriers can be remedied through modest expenditures to address the most critically needed improvements on an annual basis. Through construction to close these gaps in the pedestrian network, pedestrian activity should increase as barriers to usage are eliminated and connections are improved. Eligible projects are identified in the Pedestrian Master Plan; the Transportation System Plan, including the Reference List; and through citizen and staff review. Projects that are able to use these funds as leverage with other capital and funding partners are encouraged.

Funding Sources								
Transportation Operating Fund	50,000	50,000	0	50,000	50,000	50,000	50,000	200,000
Discretionary Rev - Ongoing	0	0	50,000	0	0	0	0	50,000
Total Funding Sources	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
TriMet Streamline, CW								
Area: Undef								
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 FY 2005-06 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								
Federal Grants Fund	142,554	103,225	250,000	0	0	0	0	250,000
Total Funding Sources	142,554	103,225	250,000	0	0	0	0	250,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Preservation & Rehabilitation Program								
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 where reasonable maintenance will suffice. 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 2006.								
Funding Sources								
Transportation Operating Fund	28,673	19,890	0	0	0	0	0	0
Federal Grants Fund	0	215,000	535,000	891,000	0	0	0	1,426,000
Discretionary Rev - Ongoing	0	0	161,495	0	0	0	0	161,495
Total Funding Sources	28,673	234,890	696,495	891,000	0	0	0	1,587,495
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
33rd Over Columbia Slough, West Half, NE								
Area: NE								
Objective(s): Replacement								
Project Description								
This is a companion bridge to the NE 33rd Dr over Columbia Slough OTIA I project. The existing pair of bridges will be replaced with a single span bridge.								
Funding Sources								
State Cost Sharing	0	0	1,549,000	0	0	0	0	1,549,000
Total Funding Sources	0	0	1,549,000	0	0	0	0	1,549,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
33rd Over Columbia Slough, East Half, NE								
Area: NE								
Objective(s): Replacement								
Project Description								
NE 33rd Ave over Columbia Slough replacement (east half). The Timber/concrete structure is approaching the end of its life cycle. Project will replace structure with a new concrete structure.								
Funding Sources								
State Cost Sharing	21,958	241,792	1,189,820	0	0	0	0	1,189,820
Total Funding Sources	21,958	241,792	1,189,820	0	0	0	0	1,189,820
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
33rd Over Lombard & UPRR, NE								
Area: NE								
Objective(s): Maintenance								
Project Description								
NE 33rd Ave Over NE Lombard St and Union Pacific Rail Road tracks. This structure is currently weight 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								
State Cost Sharing	12,746	380,254	3,112,510	0	0	0	0	3,112,510
Total Funding Sources	12,746	380,254	3,112,510	0	0	0	0	3,112,510
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Burgard Rd Over Abandon Rail Road, N								
Area: N								
Objective(s): Replacement								
Project Description								
Existing bridge will be removed and replaced with fill and/or a combination of retaining wall and fill. This is an OTIA project.								
Funding Sources								
State Cost Sharing	0	0	1,206,000	0	0	0	0	1,206,000
Total Funding Sources	0	0	1,206,000	0	0	0	0	1,206,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

CBD Cable Replacement, SW/NW

Area: ALL

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 eratic street light power and operation. This project will continue replacing this lead jacketed cable with new copper wire in conduits.

Funding Sources								
General Fund	1,700,000	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
Total Funding Sources	1,700,000	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

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								
Environmental Services	45,066	0	74,011	50,000	50,000	50,000	50,000	274,011
Transportation Operating Fund	45,065	0	0	50,000	50,000	50,000	50,000	200,000
Discretionary Rev - Ongoing	0	0	74,011	0	0	0	0	74,011
Total Funding Sources	90,131	0	148,022	100,000	100,000	100,000	100,000	548,022
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Foster Rd Over Johnson Creek, SE

Area: SE

Objective(s): Replacement

Project Description

Replace the existing bridge carrying the east bound lane of Foster Rd. Plans for realignment of intersection of Foster/Barbara Welch Rd just east of project will impact configuration of bridge. This is an OTIA III project.

Funding Sources								
State Cost Sharing	0	0	113,388	158,612	1,149,000	0	0	1,421,000
Total Funding Sources	0	0	113,388	158,612	1,149,000	0	0	1,421,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
MLK Viaduct, SE							Area:	SE
							Objective(s):	Replacement
Project Description								
Replace existing structure and enhance local circulation for pedestrians, bikes, and freight.								
Funding Sources								
Transportation Operating Fund	84,499	0	0	0	0	0	0	0
Federal Grants Fund	28,351	27,398	59,075	25,075	27,075	0	0	111,225
Total Funding Sources	112,850	27,398	59,075	25,075	27,075	0	0	111,225
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Naito Pkwy: Davis-Market SW, NW							Area:	W
							Objective(s):	Maintenance,
Project Description								
This project will use federal funding to reconstruct Naito Parkway from Davis to Market. It will add bike lanes, improvement of ramps to ADA standards, and provide for stormwater treatment and drainage. Construction will occur from April 2004-April 2006.								
Funding Sources								
Transportation Operating Fund	280,399	111,082	0	0	0	0	0	0
Federal Grants Fund	408,775	506,362	3,127,545	2,689,315	0	0	0	5,816,860
Local Cost Sharing - Portland	111,077	639,223	1,000,000	0	0	0	0	1,000,000
Discretionary Rev - Ongoing	0	0	529,381	0	0	0	0	529,381
Total Funding Sources	800,251	1,256,667	4,656,926	2,689,315	0	0	0	7,346,241
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Signal Communication System							Area:	Undef
							Objective(s):	Replace-
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								
Discretionary Rev - Ongoing	0	125,000	100,000	100,000	100,000	100,000	100,000	500,000
Total Funding Sources	0	125,000	100,000	100,000	100,000	100,000	100,000	500,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Signal Reconstruction, NI								
Area: Undef								
Objective(s): Maintenance,								
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								
Discretionary Rev - Ongoing	0	570,000	570,000	570,000	570,000	570,000	570,000	2,850,000
Total Funding Sources	0	570,000	570,000	570,000	570,000	570,000	570,000	2,850,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Safety & Congestion Mgmt Program								
Bridge at Germantown HEP, NW								
Area: NW								
Objective(s): Expansion,								
Project Description								
Install new traffic signal to reduce crashes.								
Funding Sources								
Discretionary Rev - Ongoing	0	0	27,550	0	0	0	0	27,550
Total Funding Sources	0	0	27,550	0	0	0	0	27,550
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Citywide ITS, CW								
Area: Undef								
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								
Public Works/Utility Charges	0	0	291,936	0	0	0	0	291,936
Total Funding Sources	0	0	291,936	0	0	0	0	291,936
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Future HEP Projects							**Area:**	Undef
							Objective(s):	Expansion,
Project Description								
City staff will continue to submit safety project grant applications to ODOT for the Hazard Elimination Program.								
Funding Sources								
Discretionary Rev - Ongoing	0	0	0	75,000	75,000	75,000	75,000	300,000
Total Funding Sources	0	0	0	75,000	75,000	75,000	75,000	300,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
N Lombard at Portsmouth HEP, N							**Area:**	N
							Objective(s):	Maintenance,
Project Description								
Replace traffic signal and install curb extension to improve signal visibility and phasing. Proposed improvements will reduce crashes.								
Funding Sources								
Discretionary Rev - Ongoing	0	0	25,493	0	0	0	0	25,493
Total Funding Sources	0	0	25,493	0	0	0	0	25,493
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Special Projects Program								
I-205 LRT							**Area:**	E
							Objective(s):	Mandate
Project Description								
Facilitate the design and construction by TriMetof a new light rail transit system along the I-205 corridor from Gateway to Clackamas Town Center. City jurisdictional limits end at approximately 92nd Ave and Crystal Springs Blvd. Project will be in FY 2005-06 and under construction in FY 2006-07, and FY 2008-09 and the first quarter of FY 2009-10. Revenue service is slated for Fall 2009.								
Funding Sources								
Federal Grants Fund	4,814	116,880	145,145	108,200	115,800	100,000	8,200	477,345
Total Funding Sources	4,814	116,880	145,145	108,200	115,800	100,000	8,200	477,345
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Interstate MAX Light Rail, N							**Area:**	N
							Objective(s):	Mandate
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 Road with a terminus at the Expo Center parking lot near N Marine Drive. The City will provide staff support for resolution of any outstanding traffic issues after revenue service begins in May, 2004.								
Funding Sources								
Federal Grants Fund	2,711,593	19,064	2,000	0	0	0	0	2,000
Total Funding Sources	2,711,593	19,064	2,000	0	0	0	0	2,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
MTIP/OTIA Program Match Fund							**Area:**	Undef
							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 2007-05 and 2008-09.								
Funding Sources								
Transportation Operating Fund	0	12,347	0	0	420,271	420,271	420,271	1,260,813
Total Funding Sources	0	12,347	0	0	420,271	420,271	420,271	1,260,813
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
SmartMeters for Lloyd District							**Area:**	NE
							Objective(s):	Replace-
Project Description								
Replace single-space meters with multi-space meters and provide multi-space meters in historically non-metered areas. Multi-space meters will improve operating efficiency and revenue recovery.								
Funding Sources								
Bond and Note Sales	0	50,000	1,100,000	630,000	0	0	0	1,730,000
Total Funding Sources	0	50,000	1,100,000	630,000	0	0	0	1,730,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
SmartMeters for South Waterfront							**Area:**	SW
							Objective(s):	Efficiency
Project Description								
Provide multi-space meters to regulate on-street parking in South Waterfront development.								
Funding Sources								
Bond and Note Sales	0	0	375,000	375,000	0	0	0	750,000
Total Funding Sources	0	0	375,000	375,000	0	0	0	750,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Sunderland Yard							**Area:**	NE
							Objective(s):	Maintenance
Project Description								
Develop the recently acquired lot for the expansion of recycling activities, i.e. recycling sweeper debris. The development will require conditional use permits, permit applications, soil sample testing, road construction, and planning.								
Funding Sources								
Bond and Note Sales	0	0	200,000	800,000	0	0	0	1,000,000
Total Funding Sources	0	0	200,000	800,000	0	0	0	1,000,000
Operating & Maintenance Costs			0	0	0	0	0	0


CITY OF PORTLAND, OREGON
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Legislative, Administrative, and Support

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 capital projects within the Public Safety, Community Development, and Parks and Recreation service areas. All OMF-related capital projects are shown in this service area.

In FY 2005-06, OMF has a total capital budget of $18.8 million. The FY 2006-10 capital plan is $76.4 million.

Capital Improvement Plan — Legislative, Administrative, and Support GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area within each bureau in this Service Area.

Service Area		Revised	Adopted	Capital Plan				
Geographic Area	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5–Year Total**
Legislative, Administrative and Support								
Office of Management & Finance								
Undefined	48,299	1,505,203	6,201,430	5,108,000	6,398,519	1,725,000	1,575,000	21,007,949
All Areas	0	0	763,450	740,250	717,950	337,620	754,605	3,313,875
Central City	0	0	4,484,950	2,797,117	4,642,951	4,506,501	3,524,834	19,956,353
East	0	0	28,000	11,000	53,000	48,000	110,000	250,000
North	1,716	74,906	1,501,000	231,000	0	4,000	0	1,736,000
Northeast	1,347	68,197	216,000	596,000	0	0	0	812,000
Northwest	1,231,676	1,308,637	1,071,000	0	0	0	0	1,071,000
Southeast	515,954	1,354,696	1,043,000	1,328,000	427,000	0	0	2,798,000
Southwest	993,185	1,025,796	3,514,000	4,948,000	11,653,000	5,354,000	0	25,469,000
Total Office of Management & Finance	2,792,177	5,337,435	18,510,830	15,759,367	23,892,420	11,975,121	5,964,439	76,102,177
Total Legislative, Administrative and Support	**$ 2,792,177**	**$ 5,337,435**	**$ 18,822,830**	**$ 15,759,367**	**$ 23,892,420**	**$ 11,975,121**	**$ 5,964,439**	**$ 76,414,177**

Capital Improvement Plan — Legislative, Administrative, and Support

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau / Capital Program / Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Legislative, Administrative and Support								
Office of Management & Finance								
1900 Building								
Carpet Building	0	0	0	179,667	179,667	179,667	0	539,001
Emergency Generator Replacement	0	0	0	0	190,000	0	0	190,000
Paint Building Interior	0	0	0	80,250	80,250	0	0	160,500
Replace/Rebuild Chillers	0	0	0	0	0	429,000	0	429,000
Replace/Rebuild Cooling Towers	0	0	0	0	0	110,000	0	110,000
Total 1900 Building	0	0	0	259,917	449,917	718,667	0	1,428,501
800 MHz Radio System								
Automated Receivers Testing System	0	0	30,000	0	0	0	0	30,000
Digital Voting Monitoring System	0	0	15,000	0	0	0	0	15,000
IR Site Channel Expansion	0	0	125,000	100,000	100,000	100,000	0	425,000
Microwave Replacement	0	0	647,000	0	0	0	0	647,000
Simulcast Expansion	0	0	0	0	400,000	0	0	400,000
System Replacement Planning	0	0	0	85,000	0	0	0	85,000
Tower Maintenance	0	0	0	550,000	300,000	650,000	700,000	2,200,000
Total 800 MHz Radio System	0	0	817,000	735,000	800,000	750,000	700,000	3,802,000
City Hall								
Carpet Building	0	0	165,000	65,000	0	0	0	230,000
Clean Exterior Sandstone	0	0	0	0	0	0	165,000	165,000
Cooling Tower Corrosion Control	0	0	11,000	0	0	0	0	11,000
Install Electronic Access Control	0	0	0	0	329,000	0	0	329,000
Paint Building Interior	0	0	90,250	90,250	90,250	90,250	0	361,000
Replace HVAC Heat Pump	0	0	0	0	396,334	396,334	396,334	1,189,002
Replace Marble Stair Treads	0	0	46,000	0	0	0	0	46,000
Security Improvements	0	0	150,000	0	0	0	0	150,000
Total City Hall	0	0	462,250	155,250	815,584	486,584	561,334	2,481,002
CityFleet Facilities								
Kerby Garage ADA Requirements	0	0	28,000	0	0	0	0	28,000
Powell Garage ADA Requirements	0	0	39,000	0	0	0	0	39,000
Restore Curb and Driveway	0	0	68,000	0	0	0	0	68,000
Seal Building Exterior	0	0	120,000	0	0	0	0	120,000
Total CityFleet Facilities	0	0	255,000	0	0	0	0	255,000
Customer Service								
Customer Service 1st Floor Remodel	0	0	228,000	0	0	0	0	228,000
Total Customer Service	0	0	228,000	0	0	0	0	228,000
Enterprise Business System Project								
Enterprise Business System Project	0	936,051	4,330,430	3,750,000	4,983,519	0	0	13,063,949
Total Enterprise Business System	0	936,051	4,330,430	3,750,000	4,983,519	0	0	13,063,949
Fire & Rescue Facilities GO Bond Program								
Logistics Center	76,549	30,005	0	0	0	0	0	0
New Construction - Station 21	731,414	798	1,548,000	0	0	0	0	1,548,000
New Construction - EMS Facility	48,299	69,152	0	0	0	0	0	0
New Fire Station 1/Administration	216,209	634,227	1,200,000	3,780,000	10,728,000	5,354,000	0	21,062,000
New Fire Station 27	1,162,362	702,603	721,000	0	0	0	0	721,000
Relocation of Station 18	38,974	347,104	126,000	1,050,000	925,000	0	0	2,101,000
Remodel Fire Station 11	200,603	373,504	476,000	0	0	0	0	476,000
Remodel Fire Station 15	6,588	43,667	420,000	118,000	0	0	0	538,000
Remodel Fire Station 23	232,804	950,983	318,000	0	0	0	0	318,000
Remodel Station 24	1,716	74,906	1,485,000	219,000	0	0	0	1,704,000
Remodel Station 43	1,347	68,197	0	201,000	0	0	0	201,000
Remodel Stations 6 and 17	69,314	606,034	350,000	0	0	0	0	350,000
Replace Fire Station 45	5,998	204	210,000	1,305,000	427,000	0	0	1,942,000
Total Fire & Rescue Facilities GO Bond	2,792,177	3,901,384	6,854,000	6,673,000	12,080,000	5,354,000	0	30,961,000
Information Security								

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Intrusion Detection	0	0	14,700	75,000	16,700	62,860	99,100	268,360
Secure Remote Connection	0	0	58,000	0	0	0	0	58,000
Security Scanning and Audit	0	0	10,000	10,000	40,000	0	0	60,000
Two-Factor Authentication	0	0	35,750	20,250	151,250	129,760	195,505	532,515
Total Information Security	0	0	118,450	105,250	207,950	192,620	294,605	918,875
IT Operations								
Core Storage Capacity Expansion	0	0	10,000	435,000	10,000	70,000	110,000	635,000
Data Network Infrastructure	0	0	485,000	100,000	500,000	75,000	350,000	1,510,000
Replace & Consolidate Servers	0	0	350,000	0	0	365,000	275,000	990,000
Total IT Operations	0	0	845,000	535,000	510,000	510,000	735,000	3,135,000
Parking Facilities								
10th & Yamhill - Elevator Upgrades	0	0	165,000	0	0	0	0	165,000
10th & Yamhill - Repaint Steel Deck	0	0	0	271,000	0	0	0	271,000
10th & Yamhill - Repair 2nd Level	0	0	0	0	124,000	0	0	124,000
10th & Yamhill - Repair Common Walls	0	0	0	0	31,000	0	0	31,000
10th & Yamhill - Seal Stairwells	0	0	0	0	125,000	0	0	125,000
10th & Yamhill - Sewer Line Replacement	0	0	10,000	0	0	0	0	10,000
10th &Yamhill - Clean/Seal/Paint	0	0	0	0	0	325,000	0	325,000
1st & Jefferson - Clean External Masonry	0	0	0	275,000	0	0	275,000	550,000
1st & Jefferson - Clean/Seal Stairs	0	0	0	60,000	0	0	0	60,000
1st & Jefferson - Ladder Cover	0	0	5,000	0	0	0	0	5,000
1st & Jefferson - Repair Railing Cracks	0	0	10,000	0	0	0	0	10,000
1st & Jefferson - Repair Rebar	0	0	24,000	0	0	0	0	24,000
1st & Jefferson - Replace 3rd & 4th Deck	0	0	0	0	0	145,000	0	145,000
1st & Jefferson - Replace Top Decking	0	0	0	0	156,000	0	0	156,000
3rd & Alder - Clean External Masonry	0	0	190,000	0	0	190,000	0	380,000
3rd & Alder - Clean/Seal Stairs	0	0	0	70,000	0	0	0	70,000
3rd & Alder - Repair & Paint Common Area	0	0	7,500	0	0	0	0	7,500
3rd & Alder - Repair/Replace 2nd Deck	0	0	0	121,000	0	0	38,000	159,000
3rd & Alder - Replace HVAC	0	0	0	0	0	0	242,000	242,000
3rd & Alder - Replace Top Level Surface	0	0	164,000	0	0	0	164,000	328,000
3rd & Alder - Reroof Elevator Room	0	0	10,000	0	0	0	0	10,000
3rd & Alder - Sidewalk Uplifting	0	0	20,000	0	0	0	0	20,000
4th & Yamhill - Clean/Seal Exterior	0	0	291,000	0	0	0	291,000	582,000
4th & Yamhill - Repair Top Membrane	0	0	0	144,000	0	0	0	144,000
4th & Yamhill - Replace 2nd Floor Deck	0	0	0	0	115,000	0	0	115,000
4th & Yamhill - Seal Stairways	0	0	0	0	0	58,000	0	58,000
Naito/Davis - Clean/Seal Exterior	0	0	139,000	0	0	0	139,000	278,000
Naito/Davis - Paint Stairs/Lobby	0	0	0	0	177,000	0	0	177,000
Systemwide - Interior Paint/Signage	0	0	0	0	284,000	0	0	284,000
Systemwide - Plan Signage & Graphics	0	0	0	0	176,000	0	0	176,000
Systemwide - Replace Awnings	0	0	0	0	100,000	0	0	100,000
Systemwide - Restripe Stalls	0	0	0	0	0	85,000	0	85,000
Systemwide - Upgrade Attendant Booths	0	0	42,000	0	0	0	0	42,000
Systemwide - Upgrade Lighting	0	0	300,000	0	0	0	0	300,000
Total Parking Facilities	0	0	1,377,500	941,000	1,288,000	803,000	1,149,000	5,558,500
Police Facilities								
Camp Withycombe - Carpet & Paint	0	0	0	23,000	0	0	0	23,000
East Precinct - Replace Garage Doors	0	0	0	0	0	48,000	0	48,000
Justice Center - Building Security	0	0	148,250	148,250	148,250	148,250	0	593,000
Justice Center - Carpet & Paint	0	0	0	0	0	110,000	0	110,000
Justice Center - Facility Upgrades	0	0	478,000	248,200	248,200	0	0	974,400
Justice Center - Repair Curtain Wall	0	0	0	12,000	0	0	0	12,000
Justice Center - Repair Potable Water	0	0	12,000	0	0	0	0	12,000
Mounted Patrol Unit - Carpet and Paint	0	0	23,000	0	0	0	0	23,000
North Precinct - Fix Cracks in Pillars	0	0	0	0	0	4,000	0	4,000
North Precinct - Repair Magnetic Locks	0	0	0	6,000	0	0	0	6,000

Capital Improvement Plan — Legislative, Administrative, and Support

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau / Capital Program / Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
North Precinct - Storage	0	0	0	6,000	0	0	0	6,000
Northeast Precinct - Replace Roof	0	0	0	395,000	0	0	0	395,000
Police Warehouse - Lead Paint Abatement	0	0	47,000	0	0	0	0	47,000
Police Warehouse - Repair Building Front	0	0	55,000	0	0	0	0	55,000
Police Warehouse - Repair Structural	0	0	14,000	0	0	0	0	14,000
Police Warehouse - Replace Roof	0	0	93,000	0	0	0	0	93,000
Police Warehouse - Replace Standby	0	0	51,000	0	0	0	0	51,000
Police Warehouse - Seal Building Exterior	0	0	76,000	0	0	0	0	76,000
Total Police Facilities	0	0	997,250	838,450	396,450	310,250	0	2,542,400
Portland Building								
Carpet & Paint Floor Lobbies	0	0	0	22,000	0	0	0	22,000
Clean Building Exterior	0	0	0	0	100,000	0	0	100,000
Expand Access Control	0	0	97,000	0	0	0	0	97,000
Implement Rapid HVAC Shutdown	0	0	0	0	0	157,000	0	157,000
Install Addressable Smoke/Fire Alarms	0	0	0	127,000	127,000	127,000	127,000	508,000
Paint Building Exterior	0	0	0	0	396,000	0	0	396,000
Paint Building Interior	0	0	129,500	129,500	129,500	129,500	0	518,000
Repair Leak on 13th/14th Floors	0	0	11,000	0	0	0	0	11,000
Replace AC on 3rd Floor	0	0	79,000	79,000	79,000	0	0	237,000
Replace Window Blinds	0	0	0	0	132,000	0	0	132,000
Replace Windows	0	0	0	0	333,500	333,500	333,500	1,000,500
Replace/Upgrade Chiller	0	0	174,000	0	0	0	0	174,000
Security Improvements	0	0	218,000	0	0	0	0	218,000
Upgrade Access Control System	0	0	83,000	0	0	0	0	83,000
Upgrade Elevator Controls	0	0	0	0	0	1,354,000	1,354,000	2,708,000
Upgrade HVAC Air Boxes	0	0	0	0	396,000	0	0	396,000
Total Portland Building	0	0	791,500	357,500	1,693,000	2,101,000	1,814,500	6,757,500
Portland Communications Center								
Exterior Security Improvements - PCC	0	0	0	0	0	0	0	0
Exterior Waterproofing and Seal	0	0	0	0	53,000	0	0	53,000
Parking Lot Seal & Stripe	0	0	0	11,000	0	0	0	11,000
Repair HVAC in Radio Room	0	0	28,000	0	0	0	0	28,000
Replace UPS System	0	0	0	0	0	0	110,000	110,000
Total Portland Communications Center	0	0	28,000	11,000	53,000	0	110,000	202,000
Records Center								
Clean Building Exterior	0	0	16,000	0	0	0	0	16,000
Total Records Center	0	0	16,000	0	0	0	0	16,000
Spectator Facilities								
Memorial Coliseum	0	400,000	150,000	150,000	150,000	150,000	150,000	750,000
PGE Park	0	100,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Spectator Facilities	0	500,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Strategic Technology								
CAD Replacement	0	0	75,000	0	0	0	0	75,000
Integration Platform	0	0	75,000	0	0	0	0	75,000
PortlandOnline Upgrades	0	0	0	100,000	0	0	0	100,000
Total Strategic Technology	0	0	150,000	100,000	0	0	0	250,000
Telecommunications								
Canned Remote Site	0	0	0	0	0	60,000	0	60,000
Future Fiber Builds	0	0	0	223,000	415,000	200,000	100,000	938,000
Portland Building Recabling	0	0	25,000	0	0	0	0	25,000
Remote Site Fixed Wireless Data	0	0	0	200,000	0	0	0	200,000
SONET Connection - Fire Training	0	0	75,000	0	0	0	0	75,000
SONET Upgrades	0	0	159,000	0	0	150,000	300,000	609,000
Westside CSO Site Maintenance	0	0	17,000	0	0	0	0	17,000
Total Telecommunications	0	0	276,000	423,000	415,000	410,000	400,000	1,924,000
Union Station								

Capital Improvement Plan — Legislative, Administrative, and Support

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Repair Window Frames & Awnings	0	0	0	0	0	139,000	0	139,000
Replace Electrical Panels	0	0	46,400	0	0	0	0	46,400
Transportation Enhancement Grant	0	0	1,030,050	0	0	0	0	1,030,050
Upgrade Electrical System	0	0	0	675,000	0	0	0	675,000
Total Union Station	0	0	1,076,450	675,000	0	139,000	0	1,890,450
Total Office of Management & Finance	2,792,177	5,337,435	18,510,830	15,759,367	23,892,420	11,975,121	5,964,439	76,102,177
Total Legislative, Administrative and Support	**$ 2,792,177**	**$ 5,337,435**	**$ 18,822,830**	**$ 15,759,367**	**$ 23,892,420**	**$ 11,975,121**	**$ 5,964,439**	**$ 76,414,177**

Office of Management & Finance
Overview and Financial Tables

BUREAU SUMMARY

OMF Mission

Leadership, Management, Stewardship:

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

Capital Improvement Plan (CIP) Highlights

New Programs

OMF has added the following new programs to its CIP to reflect the implementation of more capital planning in the Bureau of Technology Services and the addition of two new areas of work.

- IT Operations
- Information Security
- Strategic Technology
- Telecommuncations
- Citywide Projects
- Customer Service

Fire & Rescue Facilities General Obligation Bond Projects

In November 1998, Portland voters supported a facility upgrade for Portland Fire & 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 2009-10 the program will be completed.

Police Facilities

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

This plan does not include any proposals for new or relocated Police facilities. The Police Facilities Master Plan was only recently completed. The results of this master plan will be included in the FY 2007-11 OMF CIP.

Union Station

In 2003, Facilities Services was awarded a $1,055,000 grant for improvements to Union Station, directed primarily at improving the exterior of the building to prevent water infiltration. Projects related to the grant include replacing a portion of the building's roof, repairing exterior masonry and brick work, repairing window awnings, and repairing interior finishes at public spaces as needed.

The grant-related projects are currently in the design phase, with construction planned to begin in early 2006 and ending before the end of that year.

Technology Services

The Bureau of Technology Services (BTS) is responsible for the deployment and maintenance of the City's Communication and Information Technology (IT) applications and infrastructure, including public safety radio, telephony, data networks, pc and servers, data storage, and many core applications (GIS Hub, PortlandOnline, IBIS, etc.) The CIP is designed to address the range of critical infrastructure deployed by BTS to support voice and data communications, infrastructure to support computer operations, information security, and critical application systems. These infrastructure elements serve public safety responders, support the operations of City Bureaus, support partner governments and other business partners, and underpin direct services to the public. The CIP is divided into five programs: 800 MHz (major maintenance of the Public Safety Radio System), Telecomm (major maintenance and enhancement of the IRNE providing telephone and data network services), IT Operations (replacement and enhancement of the IT network, server and storage infrastructures), Information Security (enhancement of IT security to protect critical infrastructure and data), and Strategic Technology (to replace critical applications and enhance integration with existing applications). The most critical projects replace or enhance key elements of the infrastructure: $1.2 million to replace the microwave backbone for the 800 MHz Public Safety Radio System; $485,000 for re-engineering the data network to improve its resilience and ability to recover, and to support consolidated operations; $159,000 to upgrade the SONET network to meet increased demand; and $350,000 to replace the mainframe to maintain support for a critical public safety system.

Issues

Aging Infrastructure

One of City Council's strategic issues is its aging infrastructure. All City assets are aging, including civic assets in OMF's Technology Services and Facilities Services funds. However, funding for replacement or major maintenance is either nonexistent or below industry standards. Problems will worsen in the future if OMF is not able to take proactive measures, funding large projects to keep aging assets from deteriorating. The City needs a comprehensive approach for funding major maintenance of large physical assets, including facilities and communications systems.

Rates for 800 MHz radio system services and most facilities include a major maintenance component. 800 MHz rates collect 2.3% of system replacement value each year for major maintenance. This is below the industry standard of 5% of replacement value for communications infrastructure and since the system is a critical part of public safety the General Fund Capital Set-Aside is funding a portion of two major maintenance projects.

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 1.56% of building replacement value each year for major maintenance; this is down from 2.2%. Industry standards require reserves of 3% of replacement value.

Funding of BTS projects

The major issue for the BTS CIP is the lack of previous structure for information technology equipment replacement. While replacement funds are established for some user devices associated with the public safety radio system and for phone sets, no similar systematic approach exists for the range of IT network or computing equipment. Much of this equipment had been a responsibility of the bureau that had prior ownership; most did not explicitly budget for replacement, and no fund was established to build reserves for this purpose. The result is visible throughout the network and server infrastructure, with old

servers and switches in need of replacement posing a significant financial liability that must be overcome to create a self-sustaining network. The strategy is based on efficiencies from consolidation being re-invested into future replacement funds, with the initial capital for consolidation coming from a combination of the BTS Technology Reserve, bureau funds, and grants.

Key concerns with the BTS infrastructure and supported applications include:

- Limited data bandwidth for mobile computing via the 800 MHz system.
- Potential for catastrophic failure of the microwave system that is the backbone of the 800 MHz system as replacement parts are nearly unavailable and capacity is getting constrained.
- Critical applications (Police Data System and IBIS) are operated on a very obsolete mainframe with an operating system that is no longer supported.
- The data network has been extended to a degree that it is brittle and may experience significant problems as it attempts to recover from any key component failure. The network needs re-engineering, re-deployment of key assets, and replacement of certain switching fabric to provide needed capacity and availability.
- The Police Data System and the Computer Automated Dispatch application at the heart of the Emergency Communication Center operations are both custom systems, running on outdated platforms, facing critical retirements of key support personnel, and serious potential problems acquiring personnel with the requisite skills. Planning for the future of these applications is critical.

With the exception of the 800 MHz radio system, no BTS rates include money for major maintenance. And with the exception of the systems assigned bureau equipment no BTS equipment has a replacement component. As a result funding of other BTS CIP's must come from the fund's technology reserve. However, this reserve is not projected to grow over the next 5 years and so the fund has had to be very prudent in which projects are funded from the reserve so as not to draw down the balance too much.

STRATEGIC DIRECTION

Council Goals and Priorities

The 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 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.

- The Smart Park garages ensure a supply of economical short-term parking spaces for visitors to the downtown area, thereby contributing to the economic vitality in the downtown area. This conforms to the Council's goal of Promoting Economic Vitality and Opportunity. It is important, therefore, to keep up on required maintenance for the aging parking structures. The Parking Facilities Fund also supports the Council's goal of Providing Multi-modal Transportation Choices by its payment of the annual debt obligation for the Downtown Streetcar construction bonds. In other words, it is important to maintain the parking structures and their commercial spaces in order to ensure the ability to make sufficient revenue to pay for operating costs and various fund obligations, as well as the annual $2.1 million debt payment on the Downtown Streetcar construction bonds for the next 20 years, a debt which is legally the responsibility of the General Fund.

City Comprehensive Plan

This CIP evolves from and supports the City's overall land use and facility plans. Three 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.

3. 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).

4. Union Station: This facility was originally part of a larger land purchase made with the objective of advancing the goals of both the South Waterfront and what was referred to then as the River District Urban Renewal Area. Keeping the station useful and ready to enter a future phase of enhanced use as a multimodal transportation hub is one objective of this CIP. Someday, Union Station will become an important link in the City's comprehensive transportation objectives.

CAPITAL PLANNING & BUDGETING

Capital Planning Process

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.

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 adapting to the changing requirements of this local government.

The divisions of BTS responsible for the CIP programs prepared their list of items and rationale for inclusion in the CIP. A management review group refined the list and coordinated items that were related. Primary priority was given to items that supported public safety, improved reliability, availability, and security of data, and supported the BTS plans to consolidate infrastructure to gain efficiencies. The Chief Technology Officer did final adjustments based on available funds in the technology reserve.

As BTS is responsible for almost the entire City information technology and communications infrastructure, the primary coordination opportunities were in the area of network development, coordinating the previous efforts of ComNet and BIT, and in fiber construction, which is coordinated through a cooperative agreement with Tri-Met and ODOT (with the active participation of PDOT) and direct discussions with the Bureau of Water Works and the Bureau of Environmental Services.

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. This is consistent with Council-approved policies. 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. This money is not necessarily meant to be spent every year. Instead, resources are reserved for large future needs.

Parking garage revenue provides funding for projects to maintain and improve the City's Smart Park parking garage system. These 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.

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 is the funding source for some specific 800 MHz radio system projects.

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.

BTS CIP programs include a number of projects to be funded from its technology reserve since these are important projects, the possibility of getting decision packages approved to raise rates to fund them is low, and the projects may lead to efficiencies within the organization.

Asset Management and Replacement Plans

The City needs a comprehensive approach to funding major maintenance of large physical assets, including facilities and communications systems. 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.

This results in an inability to take on projects at some facilities, and special requests will have to be made in the future in order to fund projects. This is the case with projects at the Records Center and, to a lesser extent, at certain Fire & Rescue facilities. Fire & Rescue facilities are getting remodeled now out of the November 1998 voter-approved GO bond authorization. However, once this remodeling is completed, these facilities will have no ongoing money dedicated to major maintenance. The Fire & Rescue Bureau will have to fund its major maintenance projects each fiscal year by requesting one-time money from the General Fund Capital Set-Aside.

At other facilities, in order to keep the major maintenance account balanced, the fund has to push projects out to later years or distribute them over multiple years. This is the case with projects at the Portland Building.

Police Bureau facilities and City Hall are relatively new, and the 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 come due.

Likewise, in the ComNet program, funds must be appropriated for major maintenance of the 800 MHz Public Safety Radio system. This is an ongoing need. Major maintenance projects include maintenance of radio towers and cabling at OSHA standards, maintenance of radio site buildings, periodic maintenance of software and hardware installed in the backbone, replacement of worn or broken parts, and so on. 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. This is also an ongoing need. These types of investments are a fact of life in a communications utility that must be kept at state-of-the-art levels during its lifespan.

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 PREP 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. BTS rates can cover an annual funding of $417,000 for the PREP. General Fund Capital Set-Aside money and BTS reserves, as needed, are the funding sources for the balance of the PREP.

Generally, the CIP projects identified here are maintenance or enhancements of existing systems. Some of the projects address upgrades to meet demand, which often have little or no impact on maintenance costs. In some cases, replacement of equipment lowers licensing and maintenance costs, as described below for the mainframe replacement project. Some projects support infrastructure consolidation, which may lower future maintenance and replacement costs. Today those asset replacement obligations remain as unfunded liabilities in many bureaus. With consolidation, efforts will be made to re-direct any savings into future replacement funding. The new technologies that are introduced in the CIP are limited to security improvements and the application integration platform, which will support more efficient methods for integrating applications. The major security item will introduce a less costly method for remote secure connection, which will introduce efficiencies to meet a rising demand.

CAPITAL PROGRAMS & PROJECTS

OMF has established the following capital programs for categorizing its proposed projects:

- 1900 Building
- City Hall
- Fire & Rescue Facilities GO Bond
- Parking Facilities
- Police Facilities
- Portland Building
- Portland Communications Center
- Union Station
- CityFleet Facilities
- 800 MHz Radio System
- Records Center
- Spectator Facilities
- Enterprise Business System Project
- IT Operations
- Information Security
- Strategic Technology

Capital Improvement Plan — Office of Management & Finance

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area within each bureau in this Service Area.

Service Area		Revised	Adopted	Capital Plan				
Geographic Area	**Prior Years**	**FY 2004–05**	**FY 2005–06**	**FY 2006–07**	**FY 2007–08**	**FY 2008–09**	**FY 2009–10**	**5–Year Total**
Office of Management & Finance								
Undefined	48,299	1,505,203	6,201,430	5,108,000	6,398,519	1,725,000	1,575,000	21,007,949
All Areas	0	0	763,450	740,250	717,950	337,620	754,605	3,313,875
Central City	0	0	4,484,950	2,797,117	4,642,951	4,506,501	3,524,834	19,956,353
East	0	0	28,000	11,000	53,000	48,000	110,000	250,000
North	1,716	74,906	1,501,000	231,000	0	4,000	0	1,736,000
Northeast	1,347	68,197	216,000	596,000	0	0	0	812,000
Northwest	1,231,676	1,308,637	1,071,000	0	0	0	0	1,071,000
Southeast	515,954	1,354,696	1,043,000	1,328,000	427,000	0	0	2,798,000
Southwest	993,185	1,025,796	3,514,000	4,948,000	11,653,000	5,354,000	0	25,469,000
Total Office of Management & Finance	**$ 2,792,177**	**$ 5,337,435**	**$ 18,822,830**	**$ 15,759,367**	**$ 23,892,420**	**$ 11,975,121**	**$ 5,964,439**	**$ 76,414,177**

Capital Improvement Plan — Office of Management & Finance

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau / Capital Program / Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Office of Management & Finance								
1900 Building								
Carpet Building	0	0	0	179,667	179,667	179,667	0	539,001
Emergency Generator Replacement	0	0	0	0	190,000	0	0	190,000
Paint Building Interior	0	0	0	80,250	80,250	0	0	160,500
Replace/Rebuild Chillers	0	0	0	0	0	429,000	0	429,000
Replace/Rebuild Cooling Towers	0	0	0	0	0	110,000	0	110,000
Total 1900 Building	0	0	0	259,917	449,917	718,667	0	1,428,501
800 MHz Radio System								
Automated Receivers Testing System	0	0	30,000	0	0	0	0	30,000
Digital Voting Monitoring System	0	0	15,000	0	0	0	0	15,000
IR Site Channel Expansion	0	0	125,000	100,000	100,000	100,000	0	425,000
Microwave Replacement	0	0	647,000	0	0	0	0	647,000
Simulcast Expansion	0	0	0	0	400,000	0	0	400,000
System Replacement Planning	0	0	0	85,000	0	0	0	85,000
Tower Maintenance	0	0	0	550,000	300,000	650,000	700,000	2,200,000
Total 800 MHz Radio System	0	0	817,000	735,000	800,000	750,000	700,000	3,802,000
City Hall								
Carpet Building	0	0	165,000	65,000	0	0	0	230,000
Clean Exterior Sandstone	0	0	0	0	0	0	165,000	165,000
Cooling Tower Corrosion Control	0	0	11,000	0	0	0	0	11,000
Install Electronic Access Control	0	0	0	0	329,000	0	0	329,000
Paint Building Interior	0	0	90,250	90,250	90,250	90,250	0	361,000
Replace HVAC Heat Pump	0	0	0	0	396,334	396,334	396,334	1,189,002
Replace Marble Stair Treads	0	0	46,000	0	0	0	0	46,000
Security Improvements	0	0	150,000	0	0	0	0	150,000
Total City Hall	0	0	462,250	155,250	815,584	486,584	561,334	2,481,002
CityFleet Facilities								
Kerby Garage ADA Requirements	0	0	28,000	0	0	0	0	28,000
Powell Garage ADA Requirements	0	0	39,000	0	0	0	0	39,000
Restore Curb and Driveway	0	0	68,000	0	0	0	0	68,000
Seal Building Exterior	0	0	120,000	0	0	0	0	120,000
Total CityFleet Facilities	0	0	255,000	0	0	0	0	255,000
Customer Service								
Customer Service 1st Floor Remodel	0	0	228,000	0	0	0	0	228,000
Total Customer Service	0	0	228,000	0	0	0	0	228,000
Enterprise Business System Project								
Enterprise Business System Project	0	936,051	4,330,430	3,750,000	4,983,519	0	0	13,063,949
Total Enterprise Business System	0	936,051	4,330,430	3,750,000	4,983,519	0	0	13,063,949
Fire & Rescue Facilities GO Bond Program								
Logistics Center	76,549	30,005	0	0	0	0	0	0
New Construction - Station 21	731,414	798	1,548,000	0	0	0	0	1,548,000
New Construction - EMS Facility	48,299	69,152	0	0	0	0	0	0
New Fire Station 1/Administration	216,209	634,227	1,200,000	3,780,000	10,728,000	5,354,000	0	21,062,000
New Fire Station 27	1,162,362	702,603	721,000	0	0	0	0	721,000
Relocation of Station 18	38,974	347,104	126,000	1,050,000	925,000	0	0	2,101,000
Remodel Fire Station 11	200,603	373,504	476,000	0	0	0	0	476,000
Remodel Fire Station 15	6,588	43,667	420,000	118,000	0	0	0	538,000
Remodel Fire Station 23	232,804	950,983	318,000	0	0	0	0	318,000
Remodel Station 24	1,716	74,906	1,485,000	219,000	0	0	0	1,704,000
Remodel Station 43	1,347	68,197	0	201,000	0	0	0	201,000
Remodel Stations 6 and 17	69,314	606,034	350,000	0	0	0	0	350,000
Replace Fire Station 45	5,998	204	210,000	1,305,000	427,000	0	0	1,942,000
Total Fire & Rescue Facilities GO Bond	2,792,177	3,901,384	6,854,000	6,673,000	12,080,000	5,354,000	0	30,961,000
Information Security								
Intrusion Detection	0	0	14,700	75,000	16,700	62,860	99,100	268,360

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program / Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Secure Remote Connection	0	0	58,000	0	0	0	0	58,000
Security Scanning and Audit	0	0	10,000	10,000	40,000	0	0	60,000
Two-Factor Authentication	0	0	35,750	20,250	151,250	129,760	195,505	532,515
Total Information Security	0	0	118,450	105,250	207,950	192,620	294,605	918,875
IT Operations								
Core Storage Capacity Expansion	0	0	10,000	435,000	10,000	70,000	110,000	635,000
Data Network Infrastructure	0	0	485,000	100,000	500,000	75,000	350,000	1,510,000
Replace & Consolidate Servers	0	0	350,000	0	0	365,000	275,000	990,000
Total IT Operations	0	0	845,000	535,000	510,000	510,000	735,000	3,135,000
Parking Facilities								
10th & Yamhill - Elevator Upgrades	0	0	165,000	0	0	0	0	165,000
10th & Yamhill - Repaint Steel Deck	0	0	0	271,000	0	0	0	271,000
10th & Yamhill - Repair 2nd Level	0	0	0	0	124,000	0	0	124,000
10th & Yamhill - Repair Common Walls	0	0	0	0	31,000	0	0	31,000
10th & Yamhill - Seal Stairwells	0	0	0	0	125,000	0	0	125,000
10th & Yamhill - Sewer Line Replacement	0	0	10,000	0	0	0	0	10,000
10th &Yamhill - Clean/Seal/Paint	0	0	0	0	0	325,000	0	325,000
1st & Jefferson - Clean External Masonry	0	0	0	275,000	0	0	275,000	550,000
1st & Jefferson - Clean/Seal Stairs	0	0	0	60,000	0	0	0	60,000
1st & Jefferson - Ladder Cover	0	0	5,000	0	0	0	0	5,000
1st & Jefferson - Repair Railing Cracks	0	0	10,000	0	0	0	0	10,000
1st & Jefferson - Repair Rebar	0	0	24,000	0	0	0	0	24,000
1st & Jefferson - Replace 3rd & 4th Deck	0	0	0	0	0	145,000	0	145,000
1st & Jefferson - Replace Top Decking	0	0	0	0	156,000	0	0	156,000
3rd & Alder - Clean External Masonry	0	0	190,000	0	0	190,000	0	380,000
3rd & Alder - Clean/Seal Stairs	0	0	0	70,000	0	0	0	70,000
3rd & Alder - Repair & Paint Common Area	0	0	7,500	0	0	0	0	7,500
3rd & Alder - Repair/Replace 2nd Deck	0	0	0	121,000	0	0	38,000	159,000
3rd & Alder - Replace HVAC	0	0	0	0	0	0	242,000	242,000
3rd & Alder - Replace Top Level Surface	0	0	164,000	0	0	0	164,000	328,000
3rd & Alder - Reroof Elevator Room	0	0	10,000	0	0	0	0	10,000
3rd & Alder - Sidewalk Uplifting	0	0	20,000	0	0	0	0	20,000
4th & Yamhill - Clean/Seal Exterior	0	0	291,000	0	0	0	291,000	582,000
4th & Yamhill - Repair Top Membrane	0	0	0	144,000	0	0	0	144,000
4th & Yamhill - Replace 2nd Floor Deck	0	0	0	0	115,000	0	0	115,000
4th & Yamhill - Seal Stairways	0	0	0	0	0	58,000	0	58,000
Naito/Davis - Clean/Seal Exterior	0	0	139,000	0	0	0	139,000	278,000
Naito/Davis - Paint Stairs/Lobby	0	0	0	0	177,000	0	0	177,000
Systemwide - Interior Paint/Signage	0	0	0	0	284,000	0	0	284,000
Systemwide - Plan Signage & Graphics	0	0	0	0	176,000	0	0	176,000
Systemwide - Replace Awnings	0	0	0	0	100,000	0	0	100,000
Systemwide - Restripe Stalls	0	0	0	0	0	85,000	0	85,000
Systemwide - Upgrade Attendant Booths	0	0	42,000	0	0	0	0	42,000
Systemwide - Upgrade Lighting	0	0	300,000	0	0	0	0	300,000
Total Parking Facilities	0	0	1,377,500	941,000	1,288,000	803,000	1,149,000	5,558,500
Police Facilities								
Camp Withycombe - Carpet & Paint	0	0	0	23,000	0	0	0	23,000
East Precinct - Replace Garage Doors	0	0	0	0	0	48,000	0	48,000
Justice Center - Building Security	0	0	148,250	148,250	148,250	148,250	0	593,000
Justice Center - Carpet & Paint	0	0	0	0	0	110,000	0	110,000
Justice Center - Facility Upgrades	0	0	478,000	248,200	248,200	0	0	974,400
Justice Center - Repair Curtain Wall	0	0	0	12,000	0	0	0	12,000
Justice Center - Repair Potable Water	0	0	12,000	0	0	0	0	12,000
Mounted Patrol Unit - Carpet and Paint	0	0	23,000	0	0	0	0	23,000
North Precinct - Fix Cracks in Pillars	0	0	0	0	0	4,000	0	4,000
North Precinct - Repair Magnetic Locks	0	0	0	6,000	0	0	0	6,000
North Precinct - Storage	0	0	0	6,000	0	0	0	6,000

Capital Improvement Plan — Office of Management & Finance

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program / Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Northeast Precinct - Replace Roof	0	0	0	395,000	0	0	0	395,000
Police Warehouse - Lead Paint Abatement	0	0	47,000	0	0	0	0	47,000
Police Warehouse - Repair Building Front	0	0	55,000	0	0	0	0	55,000
Police Warehouse - Repair Structural	0	0	14,000	0	0	0	0	14,000
Police Warehouse - Replace Roof	0	0	93,000	0	0	0	0	93,000
Police Warehouse - Replace Standby	0	0	51,000	0	0	0	0	51,000
Police Warehouse - Seal Building Exterior	0	0	76,000	0	0	0	0	76,000
Total Police Facilities	0	0	997,250	838,450	396,450	310,250	0	2,542,400
Portland Building								
Carpet & Paint Floor Lobbies	0	0	0	22,000	0	0	0	22,000
Clean Building Exterior	0	0	0	0	100,000	0	0	100,000
Expand Access Control	0	0	97,000	0	0	0	0	97,000
Implement Rapid HVAC Shutdown	0	0	0	0	0	157,000	0	157,000
Install Addressable Smoke/Fire Alarms	0	0	0	127,000	127,000	127,000	127,000	508,000
Paint Building Exterior	0	0	0	0	396,000	0	0	396,000
Paint Building Interior	0	0	129,500	129,500	129,500	129,500	0	518,000
Repair Leak on 13th/14th Floors	0	0	11,000	0	0	0	0	11,000
Replace AC on 3rd Floor	0	0	79,000	79,000	79,000	0	0	237,000
Replace Window Blinds	0	0	0	0	132,000	0	0	132,000
Replace Windows	0	0	0	0	333,500	333,500	333,500	1,000,500
Replace/Upgrade Chiller	0	0	174,000	0	0	0	0	174,000
Security Improvements	0	0	218,000	0	0	0	0	218,000
Upgrade Access Control System	0	0	83,000	0	0	0	0	83,000
Upgrade Elevator Controls	0	0	0	0	0	1,354,000	1,354,000	2,708,000
Upgrade HVAC Air Boxes	0	0	0	0	396,000	0	0	396,000
Total Portland Building	0	0	791,500	357,500	1,693,000	2,101,000	1,814,500	6,757,500
Portland Communications Center								
Exterior Security Improvements - PCC	0	0	0	0	0	0	0	0
Exterior Waterproofing and Seal	0	0	0	0	53,000	0	0	53,000
Parking Lot Seal & Stripe	0	0	0	11,000	0	0	0	11,000
Repair HVAC in Radio Room	0	0	28,000	0	0	0	0	28,000
Replace UPS System	0	0	0	0	0	0	110,000	110,000
Total Portland Communications Center	0	0	28,000	11,000	53,000	0	110,000	202,000
Records Center								
Clean Building Exterior	0	0	16,000	0	0	0	0	16,000
Total Records Center	0	0	16,000	0	0	0	0	16,000
Spectator Facilities								
Memorial Coliseum	0	400,000	150,000	150,000	150,000	150,000	150,000	750,000
PGE Park	0	100,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Spectator Facilities	0	500,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Strategic Technology								
CAD Replacement	0	0	75,000	0	0	0	0	75,000
Integration Platform	0	0	75,000	0	0	0	0	75,000
PortlandOnline Upgrades	0	0	0	100,000	0	0	0	100,000
Total Strategic Technology	0	0	150,000	100,000	0	0	0	250,000
Telecommunications								
Canned Remote Site	0	0	0	0	0	60,000	0	60,000
Future Fiber Builds	0	0	0	223,000	415,000	200,000	100,000	938,000
Portland Building Recabling	0	0	25,000	0	0	0	0	25,000
Remote Site Fixed Wireless Data	0	0	0	200,000	0	0	0	200,000
SONET Connection - Fire Training	0	0	75,000	0	0	0	0	75,000
SONET Upgrades	0	0	159,000	0	0	150,000	300,000	609,000
Westside CSO Site Maintenance	0	0	17,000	0	0	0	0	17,000
Total Telecommunications	0	0	276,000	423,000	415,000	410,000	400,000	1,924,000
Union Station								
Repair Window Frames & Awnings	0	0	0	0	0	139,000	0	139,000

Capital Improvement Plan — Office of Management & Finance

This table summarizes project costs by the capital programs of the bureaus within this Service Area.

Bureau Capital Program Project	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Replace Electrical Panels	0	0	46,400	0	0	0	0	46,400
Transportation Enhancement Grant	0	0	1,030,050	0	0	0	0	1,030,050
Upgrade Electrical System	0	0	0	675,000	0	0	0	675,000
Total Union Station	0	0	1,076,450	675,000	0	139,000	0	1,890,450
Total Office of Management & Finance	**$ 2,792,177**	**$ 5,337,435**	**$ 18,822,830**	**$ 15,759,367**	**$ 23,892,420**	**$ 11,975,121**	**$ 5,964,439**	**$ 76,414,177**

Facilities Services
Overview and Financial Tables

DIVISION SUMMARY

The Facilities Services division is comprised of several programs: the functional areas of Facilities Services (property management, project management, operations and maintenance, and strategic support), the Fire GO Bond Fund, and the Spectator Facilities programs of Rose Quarter Operations and PGE Park Operations.

Facilities Services

The Facilities Services Fund was created to account for all of the facilities-related programs and capital projects managed by the Bureau of General Services (BGS). The fund is self-sufficient, requiring no direct General Fund discretionary support.

Facilities Services receives revenue from various sources, primarily service reimbursements for office and building space rental and other services, including building operations and maintenance, interior space remodels and reconfigurations, janitorial services, property management, and capital project management. Other revenue sources are intergovernmental agreements and rents from commercial leases in City-owned buildings. Cash transfers from other funds can also cover the cost of budgeted capital improvement projects. Debt sales have been used in the past as a resource for capital projects, with the resulting principal and interest obligations being incorporated into the rental rates.

Facilities Services provides services to most City facilities, with the exception of buildings owned and operated by the Parks & Recreation and Fire and Rescue Bureaus. The Bureau of Environmental Services, Office of Transportation, and the Water Bureau provide facilities operations and maintenance to some of their own facilities as well.

The core service of Facilities Services is the operation and maintenance of City facilities managed by the BGS. Facilities Services also provides:

- Facility planning services
- Remodeling and new construction project management services
- Real property management services

Facilities Services uses interagency charges to fully recover costs through:

- Rental rates charged to the occupants of the Portland Building, City Hall, various Police facilities, the Records Center, the Portland Communications Center, the 1900 Building, and two CityFleet facilities.
- Service agreements with bureaus for the provision of a variety of discretionary facility-related services not covered in rental rates.

Fire GO Bond

On November 7, 1998, the citizens of Portland authorized the sale of $53.8 million in general obligation bonds to support a $60.1 million program to improve the City's emergency facilities, including:

- Seismic upgrades to allow firefighters to effectively respond to an earthquake in the metropolitan area.
- Relocation and construction of new facilities to meet the goal of a four-minute response time to emergency calls.

- Renovation of facilities to be consistent with the evolving mission of the Portland Bureau of Fire and Rescue. For example, a major portion of the work is emergency medical services, yet few of the facilities were appropriately equipped.
- Response to ADA accessibility requirements and female firefighter accommodations.
- Response to the issue of some emergency facilities approaching the end of their useful lives.

It is anticipated it will take between eight and ten years to fully implement this program. Of the $60.1 million, $57.3 million will be used to improve fire facilities and $2.8 million to expand the Portland Communications Center.

Spectator Facilities

The Spectator Facilities Fund is an enterprise fund within Facilities 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 two major program categories:

- Rose Quarter Operations
- PGE Park Operations

Program Activities

Major program activities include operations and maintenance, capital improvements, financial planning, contract administration, special projects and liaison activities between the City, other governmental agencies, and private citizen groups.

Arena History

In 1992, the City of Portland and the Oregon Arena Corporation (OAC) entered into a development agreement and several other related agreements and leases for planning, developing, and managing the Oregon Arena Project, currently recognized as the Rose Quarter. The agreements concluded a process that brought to Portland an innovative public/private development and the largest public/private arrangement ever formed in Oregon.

City project costs of $44 million are recovered through user fees, parking revenues, and other project revenues.

The Oregon Arena Project included construction of a state of the art 20,000 seat arena, an entertainment and office complex, a public plaza, and public and private garages as well as improvements to the Memorial Coliseum and the infrastructure. OAC contributed approximately $230 million toward the project.

PGE Park

The City owns Civic Stadium (renamed PGE Park), a 19,000 fixed seating, outdoor sports facility located at SW 18th Avenue and SW Morrison Street. The stadium, built in 1926, was in need of substantial repairs in order to correct seismic and other structural deficiencies and to address basic facility needs. In the process of planning for its aging facilities, the City established a goal of substantially renovating and upgrading Civic Stadium to serve as a general purpose, outdoor venue suitable for multiple uses, including professional baseball, collegiate and high school football, professional and amateur soccer, concerts, and other spectator uses. The City formed a public-private partnership and issued $35 million in bonds to pay for most of the construction work. The private partner paid the remaining portion of the renovation costs and purchased a minor league baseball and soccer team.

Capital Programs & Projects

1900 Building

The 1900 Building was constructed in 2001 as a central location to house the City's land development and review bureaus.

In 2004, the Bureau of Licenses assumed added responsibility for processing Multnomah County's three-year individual income tax. At that time there wasn't enough room in the 1900 Building or other City facilities to accommodate the bureau's space needs so the bureau moved into private leased space. Soon after the License Bureau move, the Portland Development Commission decided to move its offices from the 1900 Building into a mostly vacant PDC-controlled building. The consequence of these two occurrences is substantial vacant space in the 1900 Building.

Since the long term ownership of this building is in question, there are no capital improvement projects planned for this year. This building is relatively new so there will be no detrimental effect of this choice.

City Hall

The Facilities Services division 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.

Police Facilities

The Facilities Services Division provides Police Bureau maintenance as well as project planning and management services. Police and Facilities have completed a number of significant facility projects in the past including precinct renovations, construction of the Mounted Patrol Unit facility, and space plans. Facility upgrades and maintenance will continue in the future to preserve the facilities and provide appropriate space for the changing needs of the Police Bureau. Major projects currently planned include reconfiguration of Justice Center space as well as an assessment and possible relocation of the Police Property Warehouse.

The Police Bureau and Facilities have cooperatively developed a master plan for Police Facilities. This plan focuses on forecasting future needs and identifying potential options to address those changing needs. This plan, if adopted, may require new facilities and facility improvements in the future.

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 planned for FY 2006-2010 are only those that can be funded through rental rates charged to the tenants or from major maintenance reserves.

Projects in the Portland Building program are funded from the major maintenance component of the rental rates charged to each tenant. An industry standard for the major maintenance component of the rental rate is 3% of the replacement value of the building each year. Although 3% is the City goal, Portland Building rental rates fund an annual allotment of major maintenance projects equal to 2% of its replacement value. Due to the building's age and a history of collecting at less than necessary, the building spends almost all of the money it collects each year.

Records Center

The Bureau of General Services is responsible for managing and maintaining the Records Center building. The City Auditor's Office is responsible for operations. The building is located at 9360 N. Columbia Boulevard.

Funding for projects in the Records Center program is provided by a major maintenance account included in the rental rate. Due to budget cuts over the last several years, the major maintenance money for this facility has been reduced to approximately $1,000 per year. This amount is far less than is needed to properly maintain this facility. As a result, only the most critical projects have been included in the FY 2006-2010 CIP.

The only project programmed for the FY 2006-2010 CIP is one to clean and seal the exterior of the building to prevent water infiltration and ensure the preservation of the archived documents.

Portland Communications Center

The Portland Communications Center was constructed in 1993 to provide a permanent location for the City's Communications operations, including the Bureau of Emergency Comunications (BOEC), Bureau of Technology Services, and the Emergency Operations Center (EOC).

The building, located at SE 99th Street and Powell Blvd., was designed to provide adequate space for operations and forecasted growth to the year 2000. Financial pressures and concerns about over-building constrained the building's size and flexibility for growth. In 2002, the building was expanded by 12,500 square feet and remodeled using funding from the General Obligation Bond and BOEC. This was to accommodate the growth that BTS, EOC, and BOEC have experienced since the building was originally constructed. The remodel has addressed some ongoing maintenance issues, and the building is presently in good condition.

Keeping the building useful for these three operations means ongoing maintenance of the facility, continuous upgrading of its technology systems, and ongoing security improvements in response to the September 11, 2001 attack.

Projects in the Portland Communications Center program are funded in one of two ways. First, projects that maintain the facility are funded out of the major maintenance component of the rental rate. Currently, the amount of major maintenance money collected in the rental rates is $90,000. This amount was part of a decision package approved during the FY 2004-05 budget process. The $90,000 is the minimum amount needed per year to be able to address the major maintenance needs that are anticipated to come up over the next twenty years.

Second, projects that are requested by a tenant are primarily funded through monies available in the tenant's budget. However, other funds can also be used to cover the cost of the projects. For example, the construction of a security fence surrounding the facility is being funded by a transfer from the General Fund, grant monies received by the Bureau of Emergency Communications, and Fire GO Bond proceeds.

Union Station

Union Station is owned by the Portland Development Commission and managed through an agreement with the Facilities Services division. The station, with its adjacent undeveloped property, was purchased by the City in 1987. The building dates from 1896 and is on the National Register of Historic Places.

The Facilities Services division 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.

The leases generate approximately $800,000 in revenue, and operating expenses total around $1,000,000 per year. Part of the operating expenses are reimbursable by the tenants so the overall net revenue of the facility is positive. The net revenues are projected to average $100,000 in FY 2006-10. This money will be used for major maintenance projects.

In 2001, Facilities Services assessed the station's long-term future requirements. The resulting report, the Union Station Facility and 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 facility is intact. The total cost of a complete restoration of Union Station is estimated to be approximately $30 million

In the summer of 2003 ODOT awarded Facilities a $1,055,000 grant directed primarily at improving the exterior of the building to prevent water infiltration. This work will preserve the building's historic fabric and meet some of the needs identified in the Union Station Facility and Seismic Work Plan. The planning and design phase of the project has already started, and the construction portion of this grant-funded project will begin and be completed in FY 2005-06.

A large portion of an electrical systems upgrade identified in the same work plan is planned in FY 2006-07, using net building revenues. The source of funds for the remaining necessary improvements is unknown at this time.

CityFleet

CityFleet 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 CityFleet program has previously been provided by interagency agreements with Facilities Services as provider and CityFleet as receiver, on a time-and-materials basis. In FY 2002-03, Facilities Services began charging CityFleet rental rates for the Kerby Garage and the Powell Garage. These rental rates include a major maintenance component, and this major maintenance money then goes to fund major maintenance projects for the Kerby and Powell Garages in this CIP's CityFleet program.

Portland Fire & Rescue

Capital facility needs for Portland Fire & Rescue (PF&R) are included in this program area and cover projects in the November 1998 GO bond program.

The GO bond program projects represent a joint effort between PF&R and the Bureau of General Services (BGS). FY 2005-06 will mark the eighth year of the program. Three factors drove the need to develop the long-term capital program:

- The fire stations need to be upgraded seismically to allow firefighters and their equipment to effectively respond to an earthquake in the metropolitan area.
- 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 the emergency calls.
- The mission of PF&R has changed over the years, and the facilities did not 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, requiring coed accommodations, and facilities need basic improvements such as accessibility for the disabled.

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. Eight years ago, BGS 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.

The overall cost for meeting all of these needs over the ten-year period is estimated to be $64,653,000 and is summarized below:

- Seismic and Functional Upgrades - $19,550,000
- Seismic Replacements - $4,425,000
- Response Time Relocations - $33,382,000
- Growth and Community Service - $11,206,000

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 BGS. The development plan was based on the following goals and strategies:

- 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.

The last year of this program is anticipated to be FY 2009-10. By that time, all of the work should be complete. The one exception is Fire Station 1/Administration. This station is still in the planning/design phase, and the final completion date is currently undetermined.

Spectator Facilities

The Spectator Facilities Fund is composed of two major program categories:

- Rose Quarter Operations
- PGE Park Operations

Rose Quarter program projects include those for Memorial Coliseum. Because of the uncertain nature of the building's future use, all capital projects have been delayed until a decision is made. For precautionary measures, the Spectator Facilities Fund has budgeted $150,000 for emergency capital equipment and repairs in the event of major system failure at the building.

The PGE Park program includes all capital improvement for PGE Park. Since PGE Park underwent a $38 million renovation in 2001, no future capital expenditures are anticipated at this time. The Spectator Facilities Fund has budgeted $50,000 annually for emergency capital repairs as needed.

1900 Building

Carpet Building

Area: CC

Objective(s): Maintenance

Project Description

The carpet tile is showing wear in various areas throughout the 1900 Building. This project will replace the carpet in worn areas on two floors each year starting in FY 2006-07 and continuing through FY 2008-09. The replacement of the carpet is programmed maintenance for the upkeep of the building.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
IA Revenues	0	0	0	179,667	179,667	179,667	0	539,001
Total Funding Sources	0	0	0	179,667	179,667	179,667	0	539,001
Operating & Maintenance Costs			0	0	0	0	0	0

Emergency Generator Replacement

Area: CC

Objective(s): Maintenance

Project Description

This project is part of the long-term plan to maintain and replace major building euqipment as it nears the end of its life expectancy. This scheduled maintenance approach spreads out costs and protects the investment in this asset. There are two emergency generators that will be replaced over five years. This cost reflects the City of Portland/PSU cost split. This building's major systems mechanical equipment has a useful life expctancy of 25 years. The recommended schedule for replacing the generators of the building will be coming up in the FY 2007-08 through FY 2012-13 timeframe. The building went into operation in 1999 but the equipment is much older. These generators provide emergency back-up power for building operations and fire/life/safety requirements.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
IA Revenues	0	0	0	0	190,000	0	0	190,000
Total Funding Sources	0	0	0	0	190,000	0	0	190,000
Operating & Maintenance Costs			0	0	0	0	0	0

Paint Building Interior

Area: CC

Objective(s): Maintenance

Project Description

This project is part of the long-term plan to maintain the appearance and condition of the 1900 Building. This scheduled maintenance approach spreads out costs and protects the investment in this asset. The high use of this facility causes wear and tear that degrades the appearance of the building. The recommended schedule for repainting the interior of the building is approximately once every five to seven years.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
IA Revenues	0	0	0	80,250	80,250	0	0	160,500
Total Funding Sources	0	0	0	80,250	80,250	0	0	160,500
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Replace/Rebuild Chillers

Area: CC

Objective(s): Maintenance

Project Description

This project is part of the long-term plan to maintain and replace major building equipment as it nears the end of its life expectancy. Taking a scheduled approach to maintenance helps spread out costs and protects the investment in this asset. There are three chillers that will be replaced over three years. This cost reflects the City of Portland/PSU Condo split. The 1900 Building's major systems mechanical equipment has a useful life expectancy of 25 years. The schedule recommends replacing the building's chillers in the FY 2008-09 timeframe because although the building went into operation in 1999, the equipment is much older.

Funding Sources								
IA Revenues	0	0	0	0	0	429,000	0	429,000
Total Funding Sources	0	0	0	0	0	429,000	0	429,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Replace/Rebuild Cooling Towers

Area: CC

Objective(s): Maintenance

Project Description

This project is also part of the long-term plan to maintain and replace major building equipment as it nears the end of its life expectancy. Scheduling maintenance spreads out costs and protects the investment in this asset. There are two cooling towers that will be replaced over two years. This cost reflects the City of Portland/ PSU cost split. The 1900 Building's major systems mechanical equipment has a useful life expectancy of 25 years. The recommended schedule calls for replacing the building's cooling towers in the FY 2008-09 timeframe. The building went into operation in 1999, but the equipment is much older. Major repairs have prolonged its useful life to allow for a 2009 replacement.

Funding Sources								
IA Revenues	0	0	0	0	0	110,000	0	110,000
Total Funding Sources	0	0	0	0	0	110,000	0	110,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

City Hall

Carpet Building

Area: CC

Objective(s): Maintenance,

Project Description

This project will install new carpet in all carpeted offices, conference rooms, and meeting rooms in the building. The carpet used for replacement will be of a like material to the carpet used during the original renovation of the building, and like the carpet used in the original renovation, the new carpet will contain recycled materials. The carpet is on a six-year replacement schedule, which began in FY 2004-05 and will continue through FY 2006-07. This schedule allows the carpet to be renewed after its useful life and keeps the building's carpeted areas in good repair.

Funding Sources								
General Fund	0	0	165,000	65,000	0	0	0	230,000
Total Funding Sources	0	0	165,000	65,000	0	0	0	230,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Clean Exterior Sandstone

Area: CC

Objective(s): Maintenance

Project Description

This is part of the regular maintenance of the City Hall exterior stone. This work cleans and seals the sandstone surface of the City Hall. It is necessary to preserve the integrity of the stone. Because City Hall is a Historic Building and a landmark for the City of Portland, proper maintenance of the exterior is needed to preserve the building and protect it from premature deterioration.

Funding Sources								
General Fund	0	0	0	0	0	0	165,000	165,000
Total Funding Sources	0	0	0	0	0	0	165,000	165,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Cooling Tower Corrosion Control

Area: CC

Objective(s): Maintenance

Project Description

This project is regular maintenance to clean and repair the cooling tower for the building. This work preserves the equipment and helps to prevent system failures and ensures the unit will be operable for its expected life.

Funding Sources								
General Fund	0	0	11,000	0	0	0	0	11,000
Total Funding Sources	0	0	11,000	0	0	0	0	11,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Install Electronic Access Control

Area: CC

Objective(s): Efficiency

Project Description

Electronic magnetic lock devices will be installed in the building's main suites. Magnetic locks will be tied into the building's access control system; access cards will be programmed according to building occupants' requirements. These devices provide controlled access and quick response during times of threat. Heightened security can most rapidly be accomplished by installing an electronic access control system that is programmed to make sure doors are secured at specific times and that emergency response can allow rapid locking as needed.

Funding Sources								
General Fund	0	0	0	0	329,000	0	0	329,000
Total Funding Sources	0	0	0	0	329,000	0	0	329,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Paint Building Interior

Area: CC

Objective(s): Maintenance

Project Description

This project is part of the long-term plan to maintain the appearance and condition of City Hall. This scheduled maintenance approach spreads out costs and protects the investment in this asset. The high use of this facility causes wear and tear that degrades the appearance of the building. The recommended schedule for repainting the interior of the building is approximately once every five to seven years.

Funding Sources								
General Fund	0	0	90,250	90,250	90,250	90,250	0	361,000
Total Funding Sources	0	0	90,250	90,250	90,250	90,250	0	361,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Replace HVAC Heat Pump

Area: CC

Objective(s): Maintenance,

Project Description

Replacement of the heat pumps that are providing HVAC to City Hall will be done over three fiscal years. City Hall heating, ventilation, and air conditioning are supplied by 110 individual heat pumps, which are aging and beginning to fail. This project will replace the existing heat pumps with like eqiupment that will ensure continued temperature control and comfort for building occupants.

Funding Sources								
General Fund	0	0	0	0	396,334	396,334	396,334	1,189,002
Total Funding Sources	0	0	0	0	396,334	396,334	396,334	1,189,002
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Replace Marble Stair Treads

Area: CC

Objective(s): Maintenance

Project Description

The marble stair treads on the two main stairwells are over 100 years old and some are showing signs of excessive wear. The sloping, worn areas pose a risk of slipping to people coming down the stairs. Replacing the worn treads will reduce this. Most of the existing treads do not show signs of wear; new treads will match existing onces for a more uniform appearance.

Funding Sources								
General Fund	0	0	46,000	0	0	0	0	46,000
Total Funding Sources	0	0	46,000	0	0	0	0	46,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Security Improvements

Area: CC

Objective(s): Expansion

Project Description

This project would enhance security systems at City Hall. The enhancements are specific to the "hardening" of the building, the updating of access control technology, and building emergency communication systems. These security enhancements include measures taken on both the interior and exterior of City Hall.

Funding Sources								
General Fund	0	0	150,000	0	0	0	0	150,000
Total Funding Sources	0	0	150,000	0	0	0	0	150,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Fire & Rescue Facilities GO Bond Program

Logistics Center

Area: SE

Objective(s): Expansion

Project Description

This project will seismically upgrade the Logistics Center. It will upgrade the electrical, plumbing and mechanical systems and improve site condition if appropriate.

Funding Sources								
Bond and Note Sales	76,549	30,005	0	0	0	0	0	0
Total Funding Sources	76,549	30,005	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

New Construction - Station 21

Area: SW

Objective(s): Maintenance,

Project Description

The Tri-Data Report recommends a new station in outer Southwest Portland, now to be sited at SW Shattuck & Beaverton-Hillsdale Highway. It was originally scheduled to be a double company, but was reduced in scope to offset added costs of building a new Station 45. This station is being delayed approximately one year.

Funding Sources								
Bond and Note Sales	731,414	798	1,548,000	0	0	0	0	1,548,000
Total Funding Sources	731,414	798	1,548,000	0	0	0	0	1,548,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

New Construction - EMS Facility

Area: Undef

Objective(s): Expansion

Project Description

EMS may need to vacate the old Station 7 building in the next few years. The Fire Bond Implementation Team decided that EMS should be co-located at the Station 2/Training facility in a new addition to that building. Funds from the bond program have been traded for this purpose. This addition was included in the project to remodel the Station 2/Training facility, but has been delayed.

Funding Sources								
Bond and Note Sales	48,299	69,152	0	0	0	0	0	0
Total Funding Sources	48,299	69,152	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

New Fire Station 1/Administration

Area: SW

Objective(s): Maintenance,

Project Description

The original plan for this station was to remodel the existing building at its current location. Over the last two years, Portland Fire & Rescue made decisions which determined that Station 1/Administration should be housed together at a new location. The Station Advisory Committee was formed and the decision was made to relocate to a new site at NW Naito and Davis streets. A final recommendation on the options is currently being analyzed by the Portland Development Commission, Portland Fire and Rescue, and BGS Staff.

Funding Sources								
Local Cost Sharing	0	0	564,000	1,777,000	5,042,000	2,516,000	0	9,899,000
Bond and Note Sales	216,209	634,227	636,000	2,003,000	5,686,000	2,838,000	0	11,163,000
Total Funding Sources	216,209	634,227	1,200,000	3,780,000	10,728,000	5,354,000	0	21,062,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

New Fire Station 27

Area: NW

Objective(s): Expansion,

Project Description

This station was proposed in previous years as a result of reports on extended response times to incidents occurring in the new housing developments in the NW Skyline area. The construction of this station was promised by City Council in 1993 and reaffirmed seven years ago. The site chosen offers an excellent opportunity to place a station with community service enhancements, as well as features built into the structure. The size of the station has been reduced twice: once to offset the costs of a new Station 45, and the other as an offset to the costs of the Station 16 property.

Funding Sources								
General Fund	256,000	0	0	0	0	0	0	0
Bond and Note Sales	906,362	702,603	721,000	0	0	0	0	721,000
Total Funding Sources	1,162,362	702,603	721,000	0	0	0	0	721,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Relocation of Station 18

Area: SW

Objective(s): Maintenance,

Project Description

Construction of a relocated Station 18 from SW 30th to I-5 near Capitol Highway would improve response times in the southwest corner of the city. It was planned to be a double-company station in an 8,100 sq. ft. building, but has been reduced to a single-company station. It is estimated that the station would require $2,500,000 to relocate to a new 5,600 sq. ft. facility. Property has been acquired in FY 2004-05. This Station is being delayed approximately one year.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Sale of Capital Assets	0	0	0	0	313,000	0	0	313,000
Bond and Note Sales	38,974	347,104	126,000	1,050,000	612,000	0	0	1,788,000
Total Funding Sources	38,974	347,104	126,000	1,050,000	925,000	0	0	2,101,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Remodel Fire Station 11

Area: SE

Objective(s): Maintenance,

Project Description

Remodel the existing Fire Station 11, located at 5707 SE 92nd. This project will upgrade electrical, plumbing, and mechanical systems and improve site conditions as appropriate.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Bond and Note Sales	200,603	373,504	476,000	0	0	0	0	476,000
Total Funding Sources	200,603	373,504	476,000	0	0	0	0	476,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Remodel Fire Station 15

Area: SW

Objective(s): Maintenance,

Project Description

Remodel existing Fire Station 15, located at 1920 SW Spring. This project will upgrade electrical, plumbing, and mechanical systems and improve site conditions as appropriate.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Bond and Note Sales	6,588	43,667	420,000	118,000	0	0	0	538,000
Total Funding Sources	6,588	43,667	420,000	118,000	0	0	0	538,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Remodel Fire Station 23

Area: SE

Objective(s): Maintenance,

Project Description

Remodel existing Fire Station 23, located at 2915 SE 13th Pl.,to meet current seismic codes. This project will upgrade electrical, plumbing, and mechanical systems and improve site conditions as appropriate.

Funding Sources								
Bond and Note Sales	232,804	950,983	318,000	0	0	0	0	318,000
Total Funding Sources	232,804	950,983	318,000	0	0	0	0	318,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Remodel Station 24

Area: N

Objective(s): Maintenance,

Project Description

Remodel of Station 24, 4515 North Maryland Avenue. This project will upgrade electrical, plumbing, and mechanical systems and improve site conditions as appropriate.

Funding Sources								
Bond and Note Sales	1,716	74,906	1,485,000	219,000	0	0	0	1,704,000
Total Funding Sources	1,716	74,906	1,485,000	219,000	0	0	0	1,704,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Remodel Station 43

Area: NE

Objective(s): Maintenance,

Project Description

Remodel Station 43, 13313 NE San Rafael Street. This project will upgrade electrical, plumbing, and mechanical systems and improve site conditions as appropriate.

Funding Sources								
Bond and Note Sales	1,347	68,197	0	201,000	0	0	0	201,000
Total Funding Sources	1,347	68,197	0	201,000	0	0	0	201,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Remodel Stations 6 and 17

Area: NW

Objective(s): Maintenance,

Project Description

Station 6 was originally a combination double-company and fireboat station located in the NW industrial area along the Willamette River. Originally it looked as though the existing station could not be seismically upgraded, but a recent geotechnical and structural report indicates that it can. No land acquisition costs are necessary since it will be remodeled in the same location. Station 17 will be remodeled at its site of 848 N. Tomahawk Island Drive. This project will upgrade electrical, plumbing, and mechanical systems and improve site conditions as appropriate.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Bond and Note Sales	69,314	606,034	350,000	0	0	0	0	350,000
Total Funding Sources	69,314	606,034	350,000	0	0	0	0	350,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Replace Fire Station 45

Area: SE

Objective(s): Replace-

Project Description

Six years ago, Council approved the reopening of Station 45 on the Gresham border, as well as a plan to build a new station in FY 2005-2007. The cost of this project will be shared with the City of Gresham. The City of Portland's share of the development cost resulted in changes in the plans for Stations 21 and 27. This station will be a single-company, 5,600 square foot building. The projected development cost is $1,932,000, of which 40% will be paid by the City of Gresham.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Local Cost Sharing	0	0	105,000	652,500	174,000	0	0	931,500
Bond and Note Sales	5,998	204	105,000	652,500	253,000	0	0	1,010,500
Total Funding Sources	5,998	204	210,000	1,305,000	427,000	0	0	1,942,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Police Facilities

Camp Withycombe - Carpet & Paint

Area: SE

Objective(s): Maintenance

Project Description

Camp Withycombe receives heavy use as a police training facility, causing wear and tear on the walls and carpet. This project will repaint the interior walls and replace the carpet at the facility. The recommended schedule for repainting the interior and replacing the carpet at this facility is once every three to five years. This project is part of the long-term plan to maintain the appearance and condition of Police Bureau buildings. The scheduled maintenance approach spreads out costs and protects the investment of the asset.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
IA Revenues	0	0	0	23,000	0	0	0	23,000
Total Funding Sources	0	0	0	23,000	0	0	0	23,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

East Precinct - Replace Garage Doors

Area: E

Objective(s): Maintenance

Project Description

The garage entrance and exit are equipped with sectional overhead doors. This project will replace the existing overhead entrance and exit doors along with their associated hardware. Due to the nature of a 24-hour police facility, the garage doors receive a tremendous amount of activity, with associated wear, and need to be replaced on a regular basis in order to assure critical access to and from the garage.

Funding Sources								
IA Revenues	0	0	0	0	0	48,000	0	48,000
Total Funding Sources	0	0	0	0	0	48,000	0	48,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Justice Center - Building Security Improvement

Area: CC

Objective(s): Maintenance

Project Description

This project implements security improvements for the 1st and 11th-16th floors of the Police Bureau portion of the Justice Center. A 2001 security study regarding the Justice Center identified several areas that significantly increase risk to the building and its occupants.

Funding Sources								
IA Revenues	0	0	148,250	148,250	148,250	148,250	0	593,000
Total Funding Sources	0	0	148,250	148,250	148,250	148,250	0	593,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Justice Center - Carpet & Paint

Area: CC

Objective(s): Maintenance,

Project Description

The Justice Center will receive carpet and painting during the restack which is currently underway. Due to the heavy occupant and visitor use, recarpeting and repainting need to be implemented on a rotating basis annually. This rotation will cycle the building every 5-8 years. This maintains the building at a safe and healthy level to promote a better working environment.

Funding Sources								
IA Revenues	0	0	0	0	0	110,000	0	110,000
Total Funding Sources	0	0	0	0	0	110,000	0	110,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Justice Center - 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 11th-15th floors.

Funding Sources								
IA Revenues	0	0	478,000	248,200	248,200	0	0	974,400
Total Funding Sources	0	0	478,000	248,200	248,200	0	0	974,400
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Justice Center - Repair Curtain Wall

Area: CC

Objective(s): Maintenance

Project Description

The Justice Center has developed several curtain wall cracks in its exterior. This project is to assess the cracks and make appropriate repairs. The work will be done in conjunction with the condo owners as Common Area repairs. This will prevent further damage and avoid possible catastrophic failure which could lead to injury of personnel and building damage.

Funding Sources								
IA Revenues	0	0	0	12,000	0	0	0	12,000
Total Funding Sources	0	0	0	12,000	0	0	0	12,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Justice Center - Repair Potable Water Lines

Area: CC

Objective(s): Maintenance

Project Description

The building condition reports have indicated an increase in the number of water line leaks within the Justice Center. This work will include a complete study of the water distribution system's integrity within the Justice Center. Pipes will be sampled, x-rayed and inspected to determine the cause and solution to this problem. Determining the cause of this problem now will allow the development of a scheduled plan for repair. This will allow for planned budgeting to avoid a catastrophic failure requiring emergency repair and additional damage and cleanup caused by such failure.

Funding Sources								
IA Revenues	0	0	12,000	0	0	0	0	12,000
Total Funding Sources	0	0	12,000	0	0	0	0	12,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Mounted Patrol Unit - Carpet and Paint

Area: CC

Objective(s): Maintenance,

Project Description

The Mounted Patrol Unit (MPU) offices get heavy use throughout the year. The interior office walls need to be painted and the carpets replaced due to the wear and tear of the facility. This project is part of the long-term plan to maintain the appearance and condition of Police Bureau facilities. The scheduled maintenance approach spreads out costs and projects the investment of the asset.

Funding Sources								
IA Revenues	0	0	23,000	0	0	0	0	23,000
Total Funding Sources	0	0	23,000	0	0	0	0	23,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

North Precinct - Fix Cracks in Pillars

Area: N

Objective(s): Maintenance

Project Description

Minor cracks have developed in the columns and stairs at the North Precinct. This project will make repairs to those areas. The repairs will help to prevent injury to users.

Funding Sources								
IA Revenues	0	0	0	0	0	4,000	0	4,000
Total Funding Sources	0	0	0	0	0	4,000	0	4,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

North Precinct - Repair Magnetic Locks

Area: N

Objective(s): Maintenance

Project Description

This project will install additional magnetic locks to aid the flow of personnel through the workplace. Crowded office spaces and work flow requires staff at the building to hold doors open with manual devices not approved for a precinct facility. This project will allow easier flow of personnel through the building, reducing the possibility of injury from heavy door usage.

Funding Sources								
IA Revenues	0	0	0	6,000	0	0	0	6,000
Total Funding Sources	0	0	0	6,000	0	0	0	6,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
North Precinct - Storage								
Area: N								
Objective(s): Maintenance,								
Project Description								
The North Precinct has inadequate storage for personnel equipment. This project will identify/implement simple storage solutions within the existing structure. Storage will ensure that the hallways and floors are clear, allowing for a safer work environment.								
Funding Sources								
IA Revenues	0	0	0	6,000	0	0	0	6,000
Total Funding Sources	0	0	0	6,000	0	0	0	6,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Northeast Precinct - Replace Roof								
Area: NE								
Objective(s): Maintenance,								
Project Description								
This project will replace the flat, built-up roof at the Northeast Precinct and Walnut Park retail space. The roof is nearing the end of its expected useful life and needs to be replaced in order to preserve the building.								
Funding Sources								
IA Revenues	0	0	0	395,000	0	0	0	395,000
Total Funding Sources	0	0	0	395,000	0	0	0	395,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Police Warehouse - Lead Paint Abatement								
Area: CC								
Objective(s): Maintenance								
Project Description								
Lead paint was discovered last year during an OR-OSHA complaint investigation. This project is to proactively abate the lead paint within the property warehouse. Each year more and more paint flakes off, causing the need for environmental cleanup and containment. This work will provide a safe and healthy work environment.								
Funding Sources								
IA Revenues	0	0	47,000	0	0	0	0	47,000
Total Funding Sources	0	0	47,000	0	0	0	0	47,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Police Warehouse - Repair Building Front

Area: CC

Objective(s): Maintenance

Project Description

This project is to make immediate repairs to the building's brick front by repointing and sealing the brick work. Investigation will also be done to determine the integrity of the mechanical connection of the brick to the structure. This will prevent minor and possible catastrophic failure of the building front which could result in injury to pedestrians.

Funding Sources								
IA Revenues	0	0	55,000	0	0	0	0	55,000
Total Funding Sources	0	0	55,000	0	0	0	0	55,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Police Warehouse - Repair Structural Cracks

Area: CC

Objective(s): Maintenance

Project Description

The Police Property Warehouse has many questionable cracks throughout its structure. There has not been a recent study of the building's structural integrity. This work will provide a comprehensive evaluation and plan for addressing these structural issues, as well as the costs involved in making repairs.

Funding Sources								
IA Revenues	0	0	14,000	0	0	0	0	14,000
Total Funding Sources	0	0	14,000	0	0	0	0	14,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Police Warehouse - Replace Roof

Area: SW

Objective(s): Maintenance

Project Description

This project will replace the existing, deteriorated roof of the aging Police Property Warehouse. The existing roof is leaking and some damage has been done to the building structure and its contents. The roof has been repaired/patched in several areas over the years and has exceeded its life expectancy. Replacing the roof will stop the leaking into the building, thus preventing futher damage to the structure and its contents.

Funding Sources								
IA Revenues	0	0	93,000	0	0	0	0	93,000
Total Funding Sources	0	0	93,000	0	0	0	0	93,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Police Warehouse - Replace Standby Generator

Area: SW

Objective(s): Maintenance

Project Description

This project will replace the existing, old standby generator with a new, larger-capacity generator. The existing standby generator is very old and unreliable. In addition, it is undersized for the imposed load and anticipated additional loads that may be necessary. A new, properly-sized generator and associated equipment will provide reliable standby power for critical loads now and into the future.

Funding Sources								
IA Revenues	0	0	51,000	0	0	0	0	51,000
Total Funding Sources	0	0	51,000	0	0	0	0	51,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Police Warehouse - Seal Building Exterior

Area: SW

Objective(s): Maintenance

Project Description

This project will pressure wash the exterior masonry surfaces of the building and then apply a clear, penetrating sealer coat to waterproof the exterior walls. Sealing the exterior of the building will prevent water intrusion and any associated damage. The waterproofing will extend the life of the building and protect the evidence stored inside.

Funding Sources								
IA Revenues	0	0	76,000	0	0	0	0	76,000
Total Funding Sources	0	0	76,000	0	0	0	0	76,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Portland Building

Carpet & Paint Floor Lobbies

Area: CC

Objective(s): Maintenance,

Project Description

This project will replace the carpet and repaint the walls of the floor lobbies in the building. Regular maintenance of the lobbies is required due to the high use of these areas. The new carpet and paint will help to project a clean and well maintained image of the building to the building occupants and outside visitors.

Funding Sources								
IA Revenues	0	0	0	22,000	0	0	0	22,000
Total Funding Sources	0	0	0	22,000	0	0	0	22,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Clean Building Exterior

Area: CC

Objective(s): Maintenance

Project Description

The building was painted and sealed in 2000. The building needs to be maintained by washing and inspecting the exterior on a regular basis. This project prevents premature exterior surface failure caused by the pollutants that collect on the exterior surfaces. The project prolongs the life of the exterior building treatments as well as projecting a better image to the public of the building being maintained properly.

Funding Sources								
IA Revenues	0	0	0	0	100,000	0	0	100,000
Total Funding Sources	0	0	0	0	100,000	0	0	100,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Expand Access Control

Area: CC

Objective(s): Efficiency

Project Description

This project will add access control in the Portland Building to all garage doors, locker rooms, computer rooms, storage areas, and machine rooms. Basic access control was installed during FY 2002-03. Building security, systems security, and personnel safety require that the access control system include program-sensitive areas, such as computer rooms, storage areas, and building machine rooms.

Funding Sources								
IA Revenues	0	0	97,000	0	0	0	0	97,000
Total Funding Sources	0	0	97,000	0	0	0	0	97,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Implement Rapid HVAC Shutdown

Area: CC

Objective(s): 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 bioligical agent. The project includes additional direct digital controls, rapid-acting damper motors, and dampers. The Portland Building's outside air intakes are on the second level, adjacent to main city streets. They are somewhat susceptible to action by knowledgeable terrorists. Rapid-closing dampers could temporarily isolate the Portland Building ventilation air from outside influences.

Funding Sources								
IA Revenues	0	0	0	0	0	157,000	0	157,000
Total Funding Sources	0	0	0	0	0	157,000	0	157,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Install Addressable Smoke/Fire Alarms

Area: CC

Objective(s): Maintenance,

Project Description

This project will install addressable smoke/fire sensors for each floor of the building. The first and sixth floors currently have addressable sensors, which were installed in FY 2000-01. The building's communication "backbone" was also installed in FY 2000-01. The total cost to install sensors on the remaining floors is $1,143,000 with $762,000 being spent within the timeframe of this CIP.

Funding Sources								
IA Revenues	0	0	0	127,000	127,000	127,000	127,000	508,000
Total Funding Sources	0	0	0	127,000	127,000	127,000	127,000	508,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Paint Building Exterior

Area: CC

Objective(s): Maintenance

Project Description

This project calls for painting all of the paintable exterior surfaces of the building with elastomeric paint. Painting the exterior of the Portland Building will refresh and enhance its appearance and, more importantly, will ensure water tightness, which will preserve the building's structure.

Funding Sources								
IA Revenues	0	0	0	0	396,000	0	0	396,000
Total Funding Sources	0	0	0	0	396,000	0	0	396,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Paint Building Interior

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 out costs and protects the investment in this asset. The high use of this facility causes wear and tear that degrades the appearance of the building. The recommended schedule for repainting the interior of the building is approximately once every five to seven years.

Funding Sources								
IA Revenues	0	0	129,500	129,500	129,500	129,500	0	518,000
Total Funding Sources	0	0	129,500	129,500	129,500	129,500	0	518,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Repair Leak on 13th/14th Floors

Area: CC

Objective(s): Maintenance

Project Description

Outside water is leaking into the walls of the 13th floor. It is difficult to determine the location of this intrusion. This project is to locate and make all needed repairs to illuminate this water intrusion. The water in the walls causes mold and mildew to develop inside the walls, which eventually break down. This project eliminates a source of the contaminant that can lead to poor or unsafe indoor air quality.

Funding Sources								
IA Revenues	0	0	11,000	0	0	0	0	11,000
Total Funding Sources	0	0	11,000	0	0	0	0	11,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Replace AC on 3rd Floor

Area: CC

Objective(s): Maintenance,

Project Description

There are three HVAC units that provide air conditioning for the City's main computer room. These units are nearing their expected operational life, and are beginning to experience breakdowns. The computer room cannot operate without this equipment operating dependably. This project begins the replacement of all three units over two years. It will ensure proper building conditioning for the City's main computer room, and will help to prevent shutdown of computers due to HVAC related failure.

Funding Sources								
IA Revenues	0	0	79,000	79,000	79,000	0	0	237,000
Total Funding Sources	0	0	79,000	79,000	79,000	0	0	237,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Replace Window Blinds

Area: CC

Objective(s): Replacement

Project Description

This project will replace all existing exterior window blinds. The existing exterior window blinds date back to the original construction of the building. They have detiorated and, in many cases, they are no longer operational. This project will replace the existing blinds with modern, energy-efficient ones.

Funding Sources								
IA Revenues	0	0	0	0	132,000	0	0	132,000
Total Funding Sources	0	0	0	0	132,000	0	0	132,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Replace Windows

Area: CC

Objective(s): Maintenance,

Project Description

This project will replace all exterior, single-pane windows with energy-efficient, modern windows. The Portland Building's exterior windows are uninsulated, single-pane glass with uninsulated, aluminum frames and sills. Energy-efficient windows will reduce heat gain/loss and result in energy savings over the lifetime of the building.

Funding Sources								
IA Revenues	0	0	0	0	333,500	333,500	333,500	1,000,500
Total Funding Sources	0	0	0	0	333,500	333,500	333,500	1,000,500
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Replace/Upgrade Chiller

Area: CC

Objective(s): Maintenance,

Project Description

This project will replace or upgrade one of the Portland Building's chillers so that it uses environmentally friendly R-123 refrigerant rather than R-11 refrigerant. The Portland Building chillers are 20-years old. Both units have been well maintained and are providing reliable service. One of the chillers has not been converted to the more environmentally-friendly refrigerant R-123. The conversion will be part of an overhaul and will extend the life of the chiller.

Funding Sources								
IA Revenues	0	0	174,000	0	0	0	0	174,000
Total Funding Sources	0	0	174,000	0	0	0	0	174,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total

Security Improvements

Area: CC

Objective(s): Expansion

Project Description

This project would enhance security systems at the Portland Building. The enhancements are specific to the updating of access control technology, redirecting retail space ingress and egress to direct non-secure routes; and providing access control from all points entering the public spaces and City/County/State offices within the building. The security enhancements include measures taken on both the interior and exterior of the Portland Building.

Funding Sources								
General Fund	0	0	218,000	0	0	0	0	218,000
Total Funding Sources	0	0	218,000	0	0	0	0	218,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Upgrade Access Control System

Area: CC

Objective(s): Expansion,

Project Description

This project will prepare an access control system study, including a review of the system's integrity during the first year of this project. The second phase of the project will implement the recommended system improvements to ensure the safe operation of building access control systems and protection of data files. The original access control sytem is becoming more problematic as need for and use of the system increases. Upgrading this system will save staff time and provide a more secure and safe environment for the employees and visitors of the Portland Building, City Hall, and 1900 Building.

Funding Sources								
IA Revenues	0	0	83,000	0	0	0	0	83,000
Total Funding Sources	0	0	83,000	0	0	0	0	83,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Upgrade Elevator Controls

Area: CC

Objective(s): Maintenance,

Project Description

This project will modernize the Portland Building's elevator controls with leading-edge, non-proprietary control equipment. The Portland Building elevators are 22-years old, and the control system is near the end of its functional life expectancy. The existing control equipment is proprietary to the manufacturer and is expensive to maintain. Upgrading the control equipment to newer technology that is not proprietary will increase reliability and functionality of the elevators and allow for competitive maintenance contracts.

Funding Sources								
IA Revenues	0	0	0	0	0	1,354,000	1,354,000	2,708,000
Total Funding Sources	0	0	0	0	0	1,354,000	1,354,000	2,708,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Upgrade HVAC Air Boxes

Area: CC

Objective(s): Maintenance,

Project Description

The Portland Buidling's HVAC Variable Air Volume (VAV) boxes are controlled by a pneumatic system near the end of its functional life expectancy. The existing eqipment reliability is deteriorating and expensive to calibrate and maintain. This project will modernize the Portland Buidling's HVAC VAV box controls by converting from pneumatic controls to Direct Digital Controls (DDC's) with new technology and non-proprietary control equipment. Upgrading the control equipment to newer technology will increase its reliablity and functionality. DDC's provide the ability to rapidly diagnose problems and maintain more exact temperature control.

Funding Sources								
IA Revenues	0	0	0	0	396,000	0	0	396,000
Total Funding Sources	0	0	0	0	396,000	0	0	396,000
Operating & Maintenance Costs			0	0	0	0	0	0

Portland Communications Center

Exterior Security Improvements - PCC

Area: E

Objective(s): Mandate

Project Description

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Public Safety Fund	0	0	0	0	0	0	0	0
Total Funding Sources	0	0	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

Exterior Waterproofing and Seal

Area: E

Objective(s): Maintenance

Project Description

The building was partially painted and sealed in 2002. The building needs to be maintained by washing, sealing and inspecting the exterior on a regular basis. This project prevents premature exterior surface failure caused by the pollutants and harsh weather which damage the exterior surfaces. This project will prolong the life of the exterior building treatments as well as projecting a better image to the public of the building being maintained properly. This project will also prevent concealed damage from occurring.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
IA Revenues	0	0	0	0	53,000	0	0	53,000
Total Funding Sources	0	0	0	0	53,000	0	0	53,000
Operating & Maintenance Costs			0	0	0	0	0	0

Parking Lot Seal & Stripe

Area: E

Objective(s): Maintenance

Project Description

This project will provide a seal coat over the existing asphalt and restripe the parking spaces. Regular sealing and striping maintenance prolongs the life of the parking surface.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
IA Revenues	0	0	0	11,000	0	0	0	11,000
Total Funding Sources	0	0	0	11,000	0	0	0	11,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Repair HVAC in Radio Room

Area: E

Objective(s): Maintenance

Project Description

Radio equipment was changed and added to the third floor. The HVAC was not designed for providing adequate cooling to assure optimal operation of this equipment. Failures have been caused by overheating in the quipment room. This project adds additional cooling equipment and modifies the existing system to meet the current needs. As a result, this project will prevent emergency radio equipment failure due to improperly conditioned space.

Funding Sources								
IA Revenues	0	0	28,000	0	0	0	0	28,000
Total Funding Sources	0	0	28,000	0	0	0	0	28,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Replace UPS System

Area: E

Objective(s): Maintenance,

Project Description

This project will replace the Uninterupted Power Supply system (UPS) for the facility. At the time of replacement, the UPS system will have reached its expected useful life. It is key that this system be replaced before its reliability comes into question. A reliable UPS system will ensure that the 911 center continues to provide its critical operations even during a power failure.

Funding Sources								
IA Revenues	0	0	0	0	0	0	110,000	110,000
Total Funding Sources	0	0	0	0	0	0	110,000	110,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Union Station

Repair Window Frames & Awnings

Area: CC

Objective(s): Maintenance,

Project Description

Scheduled for FY 2008-09, this project will repalce the deteriorated awnings and repair existing window frames as needed. The awnings at Union Station's main building have deteriorated significantly over time. This deterioration has exacerbated water damage to the adjacent window frames and sills. The awnings provide a functional screen from the sun and are a historic feature of the building.

Funding Sources								
Rents and Reimbursements	0	0	0	0	0	139,000	0	139,000
Total Funding Sources	0	0	0	0	0	139,000	0	139,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Replace Electrical Panels

Area: CC

Objective(s): Maintenance,

Project Description

This project will provide new distribution panels and replace deteriorated and defective branch circuits over FY 2004-06. The Union Station electrical system is scheduled to be retrofitted as part of the building-wide renovation. Several safety issues require that some of the deteriorated panels and wiring be replaced on a more expedient schedule.

Funding Sources								
Rents and Reimbursements	0	0	46,400	0	0	0	0	46,400
Total Funding Sources	0	0	46,400	0	0	0	0	46,400
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Transportation Enhancement Grant

Area: CC

Objective(s): Maintenance

Project Description

This project involves the design and construction of replacement roofs over the shop area and Wilf's restaurant, preservation work of masonry on the building's exterior, repair of loose balustrades at the tower balcony, and the repair of existing historic doors, using some new, historically sensitive replacements. The project also will provide some exterior repairs to awnings, metal and carpentry work; paint and sealants; repairs to interior public space finishes, such as the travertine, plaster, and terrazzo flooring, and anchor marble veneers over two windows at the main concourse. This work is identified in the Facility and Seismic Work Plan completed in 2001 and will address many immediate problems associated with water infiltration and protection of the building's historic fabric.

Funding Sources								
Federal Grants Fund	0	0	1,030,050	0	0	0	0	1,030,050
Total Funding Sources	0	0	1,030,050	0	0	0	0	1,030,050
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Upgrade Electrical System

Area: CC

Objective(s): Maintenance

Project Description

This project would replace the existing electrical service with a single 480Y/277V service. From the new service, 480V feeders would serve satellite electrical rooms in the main building, where they would be transformed down to 280Y/120V to serve the branch circuit loads. All existing electrical distribution within the main building would be replaced. The electrical system at Union Station is a hodgepodge of various installations over years of upgrades by various parties. The system no longer has the capacity for today's office equipment and is in need of a complete overhaul. Once the system is upgraded, the tenant spaces will be able to demand rents a little closer to the market rate.

Funding Sources								
Rents and Reimbursements	0	0	0	675,000	0	0	0	675,000
Total Funding Sources	0	0	0	675,000	0	0	0	675,000
Operating & Maintenance Costs			0	0	0	0	0	0

CityFleet Facilities

Kerby Garage ADA Requirements

Area: NE

Objective(s): Maintenance,

Project Description

This project will upgrade the restrooms and training room to meet ADA requirements. Some of the restrooms have had ADA upgrades, but most do not fully comply with the code. Work includes hardware, signage, pipe wraps, and smaller, related work. The restrooms and training room currently do not fully comply with ADA standards. These areas receive heavy usage and compliance is a requierment of federal and local codes. This project will bring these areas into compliance.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
IA Revenues	0	0	28,000	0	0	0	0	28,000
Total Funding Sources	0	0	28,000	0	0	0	0	28,000
Operating & Maintenance Costs			0	0	0	0	0	0

Powell Garage ADA Requirements

Area: SE

Objective(s): Maintenance,

Project Description

This project will upgrade the restroom and lunchroom to meet ADA requirements. The restrooms in the Powell Garage have never had any ADA improvement work and are currently not in compliance. Work will include new toilet fixtures, partitions, hardware, pipe wraps, and signage. A new concrete access ramp from the main floor to the raised platform where the restrooms are located is also required. These areas receive heavy usage and compliance is a requirement of federal and local codes. This project will bring these areas into compliance.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
IA Revenues	0	0	39,000	0	0	0	0	39,000
Total Funding Sources	0	0	39,000	0	0	0	0	39,000
Operating & Maintenance Costs			0	0	0	0	0	0

Restore Curb and Driveway

Area: NE

Objective(s): Maintenance

Project Description

This project will restore the proper height of curbing, sidewalk, and driveways along the length of the Kerby Street side of the building. This project will prevent illegal parking of vehicles on the sidewalk.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
IA Revenues	0	0	68,000	0	0	0	0	68,000
Total Funding Sources	0	0	68,000	0	0	0	0	68,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Seal Building Exterior

Area: NE

Objective(s): Maintenance

Project Description

This project will apply an elastomeric coating to the exterior masonry surfaces of the building. These areas of concrete masonry unit and stucco wall are experiencing extensive water penetration and interior wall surface scaling, as well as cracking. Sealing the exterior walls of the building will mitigate structural damage due to water intrusion and its interaction with the structural rebar systems.

Funding Sources								
IA Revenues	0	0	120,000	0	0	0	0	120,000
Total Funding Sources	0	0	120,000	0	0	0	0	120,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Records Center

Clean Building Exterior

Area: N

Objective(s): Maintenance

Project Description

The building exerior requires regular maintenance to protect stucco and maintain waterproof integrity. Records stored inside are extremely susceptible to humidity caused by water intrusion. This project will help provide a properly conditioned space for the City's record storage, by helping to prevent the deterioration of paper records.

Funding Sources								
IA Revenues	0	0	16,000	0	0	0	0	16,000
Total Funding Sources	0	0	16,000	0	0	0	0	16,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Spectator Facilities

Memorial Coliseum

Area: Undef

Objective(s): Maintenance,

Project Description

The Spectator Facilities Fund is responsible for all capital improvements at the Memorial Coliseum. Because of the uncertain nature of the building's future use, all capital projects have been delayed until a decision is made. For precautionary measures, the Spectator Facilities Fund has budgeted $150,000 annually for emergency capital equipment and repairs in the event of a major system failure at the building.

Funding Sources								
Rents and Reimbursements	0	400,000	150,000	150,000	150,000	150,000	150,000	750,000
Total Funding Sources	0	400,000	150,000	150,000	150,000	150,000	150,000	750,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
PGE Park								
Area: Undef								
Objective(s): Maintenance,								
Project Description								
The Spectator Facilities Fund is responsible for all capital improvements at PGE Park. Since PGE Park underwent a $38 million renovation in 2001, no future capital expenditures are anticipated at this time. The Spectator Facilities Fund has budgeted $50,000 annually for emergency capital repairs as needed.								
Funding Sources								
Rents and Reimbursements	0	100,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	0	100,000	50,000	50,000	50,000	50,000	50,000	250,000
Operating & Maintenance Costs			0	0	0	0	0	0

Parking Facilities
Overview and Financial Tables

DIVISION SUMMARY

Parking Facilities

The Parking Facilities Fund supports the operation and maintenance of the City-owned parking garages in the Smart Park Garage System. The Smart Park Garage System's primary purpose is to provide convenient and economical short term parking in the downtown area, as a way to enhance economic vitality and encourage businesses to locate and remain in the heart of the city.

These downtown garage facilities house 3,825 parking spaces and 71,803 square feet of commercial space. The facilities include the following garages: Third & Alder, Fourth & Yamhill, Naito & Davis, Tenth & Yamhill, O'Bryant Square, and First & Jefferson.

Transportation Program Support

A portion of the fund's revenues supports programs in the City of Portland's Office of Transportation. Beginning in FY 1998-99, the fund also assumed the bond debt for the construction of the Portland Streetcar, a transportation initiative aimed at relieving traffic congestion and enhancing the livability of the downtown area.

Management

The Office of Management and Finance's Bureau of General Services manages the Parking Facilities Fund, providing oversight of contractors hired to manage the garage system's day-to-day operations. The Bureau of General Services and the Office of Management and Finance, in cooperation with the Portland Office of Transportation (PDOT) and the Portland Development Commission, provide policy direction for the parking system and make decisions regarding the garage system's business and public policy goals.

CHANGES FROM PRIOR YEAR

The forecast for the fund's finances over the next five years predicts that the fund will be able to provide sufficient net operating revenues in order to make recommended major repairs to the facilities and fund-required reserves, as well as to make the annual debt payments for the parking construction debt and for the downtown streetcar construction debt, plus provide an annual operating transfer to PDOT at the current level. There are five primary factors that have contributed to a healthier projection than compared to that of a year ago:

1.Parking revenues have improved during the current fiscal year, primarily due to increased usage of the Smart Park garages because the downtown area has experienced improved economic conditions. Also, adjustments in all-day rates at some garages have kept the Smart Park garages competitive with other parking facilities in the area. The five-year projection includes increased parking revenues due to higher levels of usage only, not as a consequence of short-term rate increases. Also, the forecast does not predict usage to reach pre-recession levels. Just as the recession took hold, more parking inventory became available as new parking structures were completed and others were being constructed. In addition, concurrent with the recession, several companies moved their corporate offices out of downtown Portland, which has further contributed to an ongoing reduction in regular parking activity.

2.Over the past year and a half, Parking Fund management has been able to save approximately $338,000 annually in the cost of the garage management contract, with the agreement that has been in place since July 2003 and a projected $100,000 in the new attendant/revenue services contract that began in September 2004.

3.Prior to FY 2003-04, the Parking System had contributed approximately $650,000 annually to the campaign to promote downtown. Beginning in FY 2003-04, that contribution has been frozen at $100,000 annually.

4.For the past two fiscal years, the Parking Fund's operating transfer to PDOT has been reduced to $700,000 annually. In FY 2002-03, the Parking Fund transferred $1,389,000 to PDOT.

5.FY 2004-05 is the first year the annual debt payment for the downtown streetcar construction has reached a level that will remain virtually flat for the next 20 years. Since the bond sale in 1999, the debt payments for the streetcar have increased each year from a low of $1,603,000 to the relative constant annual amount of $2,091,700. At the same time, the annual payment for the combined garage construction debt will drop in FY 2005-06 by over $400,000 and remain at that level through the five-year forecast period.

CAPITAL PROGRAMS & PROJECTS

The Parking Facilities Fund supports the operation and maintenance of six City-owned parking garages in the Smart Park Garage system. This system currently consists of six Smart Park garages: Third & Alder, Fourth & Yamhill, Naito & Davis, Tenth & Yamhill, First & Jefferson and OBryant Square garages. These downtown garage facilities house 3,825 parking spaces and 68,555 square feet of commercial space. In addition, the Fund also supports the operation and maintenance of the 413-space Station Place garage near Union Station, which is owned by PDC, under an agreement that involves refunding the net revenues to PDC.

The CIP Plan focuses on an internally funded schedule of projects with a goal of keeping the valuable City-owned assets marketable and in good repair. The Fund does not finance CIP spending for the Station Place garage.

Projects that maintain the City-owned Smart Park garages are funded by setting aside an amount per year from ongoing garage net revenues. This is a percentage of replacement value of the facilities and is currently at 2%. The industry standard for major maintenance spending is 2-4% of replacement value. Maintaining the current minimally-recommended level of 2% is critical because of the age of the facilities.

This five-year plan reflects an improvement over last year's, as daily parking revenues have improved in FY 2004-05 over that of the previous two recessionary fiscal years and operating costs have been reduced through new contracts for garage management and attendant/revenue services. Also, beginning in FY 2003-04, the Fund reduced its long-standing support at approximately $700,000 annually for downtown marketing to $100,000 per year. Other reductions in annual fund transfers have helped the financial status of the Fund, including the reduction of the operating transfer to PDOT from approximately $1.4 Mil to $700,000 and the $412,000 drop, beginning in FY 2005-06, in required transfer to the Parking Facilities Debt Redemption Fund for the remaining debt obligation for garage construction. Also, the debt transfers for the Downtown Streetcar construction have leveled off to roughly $2.1 Mil per year for the next 20 years, instead of the approximately $100,000 increase each year since the first debt payment in FY 1999-2000 of $1.6 Mil.

The CIP Plan presents only those major maintenance projects that can be foreseen. A portion of the 2% of replacement value set aside for annual major maintenance spending is reserved for unforeseen major repairs that are likely to arise in facilities as old as most of those in the Smart Park garage system, such as the unplanned structural repairs at Naito & Davis in FY 2004-05. Also, the Plan does not include improvements to the street-level vacant retail spaces, some of which have been vacant for well over a year, with the aim of making them more marketable. Some of the annual 2% of replacement value set-aside for CIP spending will also be needed for implementing future automation at the garages, an investment that will eventually pay off in lower operating costs.

Parking Facilities

10th & Yamhill - Elevator Upgrades

Area: CC
Objective(s): Replace-

Project Description
The four elevators at the SW 10th & Yamhill parking garage must be upgraded to meet State of Oregon elevator regulatory requirements.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Parking Fees	0	0	165,000	0	0	0	0	165,000
Total Funding Sources	0	0	165,000	0	0	0	0	165,000
Operating & Maintenance Costs			0	0	0	0	0	0

10th & Yamhill - Repaint Steel Deck

Area: CC
Objective(s): Maintenance

Project Description
This project will repaint the top two steel deck floors at the SW 10th & Yamhill parking garage.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Parking Fees	0	0	0	271,000	0	0	0	271,000
Total Funding Sources	0	0	0	271,000	0	0	0	271,000
Operating & Maintenance Costs			0	0	0	0	0	0

10th & Yamhill - Repair 2nd Level

Area: CC
Objective(s): Maintenance,

Project Description
This project will replace the 2nd level ramp and 2nd level traffic-bearing membrane in FY 2007-08 at the 10th & Yamhill parking garage. This work is required to help preserve the structure and to prevent water seepage into the commercial tenant spaces below.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Funding Sources								
Parking Fees	0	0	0	0	124,000	0	0	124,000
Total Funding Sources	0	0	0	0	124,000	0	0	124,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
10th & Yamhill - Repair Common Walls								
Area: CC								
Objective(s): Maintenance								
Project Description								
Clean, repair, and paint the walls in the tenant common area spaces and restrooms. This work is required every two years or so, due to heavy use and some vandalism.								
Funding Sources								
Parking Fees	0	0	0	0	31,000	0	0	31,000
Total Funding Sources	0	0	0	0	31,000	0	0	31,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
10th & Yamhill - Seal Stairwells								
Area: CC								
Objective(s): Maintenance								
Project Description								
Seal the stairwells in order to make cleaning easier and prevent odor build-up. This work needs to be done at least every two or three years due to transients' activity in the stairwells.								
Funding Sources								
Parking Fees	0	0	0	0	125,000	0	0	125,000
Total Funding Sources	0	0	0	0	125,000	0	0	125,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
10th & Yamhill - Sewer Line Replacement								
Area: CC								
Objective(s): Maintenance								
Project Description								
The sewer line below one of the commercial tenant areas is broken, disabling a sink and toilet. This project includes inspecting, locating, and repairing the break.								
Funding Sources								
Parking Fees	0	0	10,000	0	0	0	0	10,000
Total Funding Sources	0	0	10,000	0	0	0	0	10,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
10th & Yamhill - Clean/Seal/Paint								
Area: CC								
Objective(s): Maintenance								
Project Description								
This project includes cleaning, applying a seal coat, and painting the exterior surfaces of the SW 10th & Yamhill parking garage. This work is required approximately every four years.								
Funding Sources								
Parking Fees	0	0	0	0	0	325,000	0	325,000
Total Funding Sources	0	0	0	0	0	325,000	0	325,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
1st & Jefferson - Clean External Masonry								
Area: CC								
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 in FY 2006-07 and in FY 2009-10.								
Funding Sources								
Parking Fees	0	0	0	275,000	0	0	275,000	550,000
Total Funding Sources	0	0	0	275,000	0	0	275,000	550,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
1st & Jefferson - Clean/Seal Stairs								
Area: CC								
Objective(s): Maintenance								
Project Description								
Stairs develop cracks due to exposure to weather. This project includes removing dirt accumulation on the stairs, then coating the surface with suitable sealing material, followed by the application of a non-skid surface to the top of each step.								
Funding Sources								
Parking Fees	0	0	0	60,000	0	0	0	60,000
Total Funding Sources	0	0	0	60,000	0	0	0	60,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
1st & Jefferson - Ladder Cover								
Area: CC								
Objective(s): Maintenance								
Project Description								
This project installs a shield over the ladder that serves as a fall protection device when open.								
Funding Sources								
Parking Fees	0	0	5,000	0	0	0	0	5,000
Total Funding Sources	0	0	5,000	0	0	0	0	5,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
1st & Jefferson - Repair Railing Cracks								
Area: CC								
Objective(s): Maintenance								
Project Description								
This project inspects and repairs cracks in concrete railing.								
Funding Sources								
Parking Fees	0	0	10,000	0	0	0	0	10,000
Total Funding Sources	0	0	10,000	0	0	0	0	10,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
1st & Jefferson - Repair Rebar								
Area: CC								
Objective(s): Maintenance								
Project Description								
This project encases exposed rebar using an epoxy-based product and provides waterproofing for the concrete deck.								
Funding Sources								
Parking Fees	0	0	24,000	0	0	0	0	24,000
Total Funding Sources	0	0	24,000	0	0	0	0	24,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
1st & Jefferson - Replace 3rd & 4th Deck							**Area:**	CC
							Objective(s):	Maintenance
Project Description								
This project replaces the traffic-bearing membrane on the 3rd & 4th levels of the parking garage.								
Funding Sources								
Parking Fees	0	0	0	0	0	145,000	0	145,000
Total Funding Sources	0	0	0	0	0	145,000	0	145,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
1st & Jefferson - Replace Top Decking							**Area:**	CC
							Objective(s):	Maintenance
Project Description								
This project will replace traffic-bearing membrane at the top level of the parking garage. This work is required to protect the structure every few years.								
Funding Sources								
Parking Fees	0	0	0	0	156,000	0	0	156,000
Total Funding Sources	0	0	0	0	156,000	0	0	156,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
3rd & Alder - Clean External Masonry							**Area:**	CC
							Objective(s):	Maintenance
Project Description								
This project will consist of cleaning and sealing the exterior masonry surfaces of the parking garage.								
Funding Sources								
Parking Fees	0	0	190,000	0	0	190,000	0	380,000
Total Funding Sources	0	0	190,000	0	0	190,000	0	380,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
3rd & Alder - Clean/Seal Stairs								
Area: CC								
Objective(s): Maintenance								
Project Description								
Clean, seal, and apply a non-skid surface material to the stair steps, as they develop cracks every couple of years due to exposure to the weather.								
Funding Sources								
Parking Fees	0	0	0	70,000	0	0	0	70,000
Total Funding Sources	0	0	0	70,000	0	0	0	70,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
3rd & Alder - Repair & Paint Common Area								
Area: CC								
Objective(s): Maintenance								
Project Description								
This project replaces damaged doors and frames and makes repairs to and paints all wall surfaces of the facilitys halls and common rooms.								
Funding Sources								
Parking Fees	0	0	7,500	0	0	0	0	7,500
Total Funding Sources	0	0	7,500	0	0	0	0	7,500
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
3rd & Alder - Repair/Replace 2nd Deck								
Area: CC								
Objective(s): Maintenance,								
Project Description								
This project replaces the traffic-bearing membrane at the 2nd level of the 3rd & Alder Garage in FY 2006-07. A repair of the 2nd floor membrane is scheduled for FY 2009-10.								
Funding Sources								
Parking Fees	0	0	0	121,000	0	0	38,000	159,000
Total Funding Sources	0	0	0	121,000	0	0	38,000	159,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
3rd & Alder - Replace HVAC								
Area: CC								
Objective(s): Maintenance,								
Project Description								
This project replaces many of the components of the existing HVAC cooling tower on the top deck of the parking garage. The existing cooling tower is continuing to be maintained until the old and inefficient system will need to be replaced in FY 2009-10.								
Funding Sources								
Parking Fees	0	0	0	0	0	0	242,000	242,000
Total Funding Sources	0	0	0	0	0	0	242,000	242,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
3rd & Alder - Replace Top Level Surface								
Area: CC								
Objective(s): Maintenance,								
Project Description								
This project, which was started in FY 2003-04 and then delayed, will be completed in FY 2005-06. It involves replacing the traffic-bearing membrane on the top level of the 3rd & Alder Garage and again in FY 2009-10.								
Funding Sources								
Parking Fees	0	0	164,000	0	0	0	164,000	328,000
Total Funding Sources	0	0	164,000	0	0	0	164,000	328,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
3rd & Alder - Reroof Elevator Room								
Area: CC								
Objective(s): Maintenance								
Project Description								
This project replaces the roof surfaces on each of the elevator shafts. Roofs have started to leak which can damage and reduce the safety of elevator equipment.								
Funding Sources								
Parking Fees	0	0	10,000	0	0	0	0	10,000
Total Funding Sources	0	0	10,000	0	0	0	0	10,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
3rd & Alder - Sidewalk Uplifting							**Area:**	CC
							Objective(s):	Maintenance
Project Description								
Repairs and replaces portions of damaged sidewalk								
Funding Sources								
Parking Fees	0	0	20,000	0	0	0	0	20,000
Total Funding Sources	0	0	20,000	0	0	0	0	20,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
4th & Yamhill - Clean/Seal Exterior							**Area:**	CC
							Objective(s):	Maintenance
Project Description								
This project will include cleaning and sealing the exterior masonry surfaces at the parking garage in FY 2005-06 and again in FY 2009-10.								
Funding Sources								
Parking Fees	0	0	291,000	0	0	0	291,000	582,000
Total Funding Sources	0	0	291,000	0	0	0	291,000	582,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
4th & Yamhill - Repair Top Membrane							**Area:**	CC
							Objective(s):	Maintenance
Project Description								
This project will replace the traffic-bearing membrane at the top level of the garage in FY 2006-07.								
Funding Sources								
Parking Fees	0	0	0	144,000	0	0	0	144,000
Total Funding Sources	0	0	0	144,000	0	0	0	144,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
4th & Yamhill - Replace 2nd Floor Deck							**Area:**	CC
							Objective(s):	Maintenance,
Project Description								
Install a traffic-bearing membrane for the ramp and the adjacent north side of the second level at the 4th & Yamhill garage. This is required to prevent water from damamging the structural components of the parking garage and the possible water seepage into the commercial tenant spaces below.								
Funding Sources								
Parking Fees	0	0	0	0	115,000	0	0	115,000
Total Funding Sources	0	0	0	0	115,000	0	0	115,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
4th & Yamhill - Seal Stairways							**Area:**	CC
							Objective(s):	Maintenance
Project Description								
This project includes removing dirt accumulated at the stairwells of the garage and coating the surface with a sealer.								
Funding Sources								
Parking Fees	0	0	0	0	0	58,000	0	58,000
Total Funding Sources	0	0	0	0	0	58,000	0	58,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Naito/Davis - Clean/Seal Exterior							**Area:**	CC
							Objective(s):	Maintenance
Project Description								
This project includes cleaning and sealing the exterior masonry surfaces at the parking garage in FY 2005-06 and again in FY 2009-10.								
Funding Sources								
Parking Fees	0	0	139,000	0	0	0	139,000	278,000
Total Funding Sources	0	0	139,000	0	0	0	139,000	278,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Naito/Davis - Paint Stairs/Lobby

Area: CC

Objective(s): Maintenance

Project Description

This project includes the refurbishing the lobbies and stairwells by repairing and repainting the interior surfaces.

Funding Sources								
Parking Fees	0	0	0	0	177,000	0	0	177,000
Total Funding Sources	0	0	0	0	177,000	0	0	177,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Systemwide - Interior Paint/Signage

Area: CC

Objective(s): Maintenance,

Project Description

This project involves the implemenation of the new signage and graphics plan for the garage system as a whole.

Funding Sources								
Parking Fees	0	0	0	0	284,000	0	0	284,000
Total Funding Sources	0	0	0	0	284,000	0	0	284,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Systemwide - Plan Signage & Graphics

Area: CC

Objective(s): Efficiency

Project Description

This project will determine what new signage aids and graphics are needed, develop a program and design, and establish an implementation plan. Better directional signage will improve the interior appearance of the garages and provide parking patrons with more effective guidance in coming to and from the parking levels.

Funding Sources								
Parking Fees	0	0	0	0	176,000	0	0	176,000
Total Funding Sources	0	0	0	0	176,000	0	0	176,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Systemwide - Replace Awnings								
Area: CC								
Objective(s): Maintenance,								
Project Description								
This project replaces the existing fabric awnings that will be at the end of their useful life at all of the SmartPark garages.								
Funding Sources								
Parking Fees	0	0	0	0	100,000	0	0	100,000
Total Funding Sources	0	0	0	0	100,000	0	0	100,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Systemwide - Restripe Stalls								
Area: CC								
Objective(s): Maintenance								
Project Description								
This project will clean all the oil drippings at parking spaces and restripe the stall markings.								
Funding Sources								
Parking Fees	0	0	0	0	0	85,000	0	85,000
Total Funding Sources	0	0	0	0	0	85,000	0	85,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Systemwide - Upgrade Attendant Booths								
Area: CC								
Objective(s): Maintenance								
Project Description								
This project provides improved heating, lighting shelves, and a fresh coat of paint in the attendant booths.								
Funding Sources								
Parking Fees	0	0	42,000	0	0	0	0	42,000
Total Funding Sources	0	0	42,000	0	0	0	0	42,000
Operating & Maintenance Costs			0	0	0	0	0	0

		Revised	Adopted	Capital Plan				
	Prior Years	FY 2004–05	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total

Systemwide - Upgrade Lighting

Area: CC

Objective(s): Maintenance,

Project Description

Upgrade lighting at the 3rd & Alder, Naito & Davis, 4th & Yamhill and 1st & Jefferson garages in FY 2005-06. The upgrade has already been done at the 10th & Yamhill garage. The more energy-efficient lighting is expected to result in 33% lower electricity usage. The project cost includes an expected federal energy rebate.

Funding Sources								
Parking Fees	0	0	300,000	0	0	0	0	300,000
Total Funding Sources	0	0	300,000	0	0	0	0	300,000
Operating & Maintenance Costs			0	0	0	0	0	0

Technology Services
Overview and Financial Tables

Division Summary

In the spring of 2002, OMF undertook an organizational analysis, and a number of recommendations were made and accepted by the Chief Administrative Officer. One of these organizational changes was combining the bureaus of Communications & Networking and Information Technology under one director, the City's Chief Technology Officer (CTO). This new organization is the Bureau of Technology Services (BTS).

Through FY 2004-05, Communications & Networking and Information Technology were in two separate funds. For FY 2005-06, however, the funds will be merged to better match the BTS financial structure with its organizational structure. The new fund is now named the Technology Services Fund.

BTS provides leadership in strategic planning and management of the City's telecommunications-related equipment and systems. Additionally, it provides expert telecommunications services to the City, as well as regional external customers.

BTS procures, operates, and maintains the City's communications-related equipment and systems, including:

- The Integrated Regional Network Enterprise (IRNE), a regional broadband telecommunications carrier network providing advanced telecommunications systems and services to government, education, and public safety institutions in the region.
- Public safety radio systems for voice and mobile data, including maintenance of the system's infrastructure.
- Radio management services covering installation, maintenance, and repair.
- Other electronic services, including the provision and maintenance of sirens, radar guns, and video systems.
- Assessment and deployment of new technologies to provide access to communications and information systems for remote- deployed workers.

BTS provides all information technology support services to bureaus and the City's business partners. Services include:

- Data networks
- Desktop, server, and mainframe computer operations and support
- Helpdesk service
- E-mail administration
- Virus protection, and data backup and recovery
- Application development and support for City systems, e.g., the City's financial system and Geographic Information System
- Application development and support for vertical applications that support the specific operational needs of bureaus
- Development and operation of the City's web site and e-government applications
- Bureau technology relationship management and consultation

CAPITAL PROGRAMS & PROJECTS

800 MHz

800 MHz is the program that addresses major maintenance of the Public Safety Radio Network. BTS is responsible for maintaining and operating communications systems for the City. The ComNet division operates a state-of-the-art mobile radio system and has engineered reasonable capacity for mobile data using this public safety-grade infrastructure. 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, Portland Fire and Rescue, and the Bureau of Emergency Communications (BOEC).

The system has been in operation for 12 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 develop a financial strategy to provide funding for the ongoing performance of the radio system or expect failures in its reliability and functionality over time. While the debt service for the Public Safety Radio System continues until 2013, the demands for additional system capabilities, in the aftermath of 9/11, may require replacement on a more rapid schedule. Replacement planning is identified as a CIP activity within the five-year CIP; however, no funding for replacement (estimated at $50 million) is requested in the CIP.

Telecommunications

BTS is responsible for the delivery of telecommunications for the City of Portland. Telecommunications is the CIP program that addresses major maintenance and enhancement of the IRNE, which provides telephone and data network infrastructure to support the City and partner governments. This program supports the fiber network that underpins voice and data communications, the telephone switching equipment, and the SONET network that provides the high-availability backbone for the telephone network and many of the data network services, and has the responsibility to upgrade, where cost effective, the network capabilities of the City buildings that are not on the fiber network. The fiber network and the SONET infrastructure also serve partner agencies, and additional telephone services may be offered to partner agencies in the future.

The core of the IRNE network is relatively new. However, there are enhancements that are required for capacity or to maintain support. The IRNE rates do not currently fund a maintenance reserve; however, as additional customers come on to the network, or as efficiencies are implemented, the net savings will be captured for major maintenance funding. These funds are not yet established in the IRNE budget due to the limited experience to date. BTS expects to fund the replacement of the core switching, which is not anticipated in the five-year CIP window, would be expected to be funded, through debt issuance.

One critical project that is not funded in the CIP is the development of a portable disaster recovery switch for the telephone system. In the event of a disaster impacting the Communications Center, this switch would allow the restoration of the City's phone system in a short time to support City business needs. This project is estimated at $400,000.

IT Operations

IT Operations is the CIP program that provides for the replacement and enhancement of the IT network, server, and storage infrastructures. The focus of the CIP is on the key centralized components, including servers for corporate applications, the switches that tie the data network (operating at a different layer than the SONET network), and the consolidated storage and back-up of data. A critical technique to achieve efficiencies in IT relate to consolidating these resources, to maximize the use of assets, and to reduce the staffing requirements of a highly fragmented infrastructure. However, consolidation requires investment and effective coordination of projects to maximize the utility of the investment in the consolidation.

Historically, many of these elements were purchased by bureaus, and their replacement was a bureau responsibility. However, bureaus generally did not budget for these items, instead finding money when a replacement was critical due to a failure. Even where budgeted, the money was not carried over in a structured manner to assure the availability of replacement funds. Even the BTS predecessor, BIT, did not have a replacement funding mechanism for its infrastructure. The result is a significant unfunded liability for system replacement and enhancement. Funding for the CIP will come primarily from the BTS Technology Reserve in FY 2005-06. In the future, funding will come from bureaus for their replacement obligations. Future replacement funds will be generated from the savings that occur because of the consolidation.

Two key elements are not funded in the proposed CIP. One is a disaster recovery and business continuity plan. This plan is a necessity for all City business operations and is used to establish the appropriate redundancy level and disaster recovery mechanisms for each application. In addition, no additional funding for server consolidation is provided in FY 2005-06, as the first phase of consolidation implementation is not yet complete.

Information Security

Information Security is the CIP program for enhancing security to protect critical infrastructure and data. IT security was a new program in FY 2004-05 for BTS, and new in the CIP this year. The program is the result of an IT Security assessment performed in FY 2003-04. Information Security is delivered in cooperation with staff from IT Operations, Communications and Networking, and Strategic Technology. Information security addresses policies, processes, technology, and education to improve the protection from malicious and accidental threats. The CIP focuses on improving the ability to detect and address vulnerabilities and threats and improve access controls. The assessment included the development of a five-year plan for information security, with milestones for implementation of certain technologies to reduce vulnerabilities.

Funding for the Information Security CIP may be available through Homeland Security Grant sources; funds for CIP activities in FY 2004-05 were obtained through such a grant.

Strategic Technology

Strategic Technology is the CIP program that addresses application related capital projects, including replacing critical applications, improving management and accessibility of data, and enhancing integration among applications to improve business processes. This is a new CIP program this year. BTS is responsible for the many corporate applications, and, in conjunction with bureaus, for critical applications that support bureau operations. The primary corporate applications are IBIS and its related applications for timekeeping, personnel actions, payroll, and benefits (replacement is a capital project under the CAO), GIS, BRASS, and PortlandOnline. The most critical bureau-related applications that may need replacement (or migrated to a new platform and/or code base) within the CIP five-year time frame are the Computer Aided Dispatch application and the Portland Police Data System. Funding for these system replacements is not included in this CIP; funding for the initial study on the CAD system is included.

800 MHz Radio System

Automated Receivers Testing System

Area: Undef
Objective(s): Expansion,

Project Description
Provide the ability to test mountain top receivers from the Prime site.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Miscellaneous	0	0	30,000	0	0	0	0	30,000
Total Funding Sources	0	0	30,000	0	0	0	0	30,000
Operating & Maintenance Costs			0	0	0	0	0	0

Digital Voting Monitoring System

Area: Undef
Objective(s): Expansion,

Project Description
Provide the ability to monitor the digital voters from Prime Site.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
Miscellaneous	0	0	15,000	0	0	0	0	15,000
Total Funding Sources	0	0	15,000	0	0	0	0	15,000
Operating & Maintenance Costs			0	0	0	0	0	0

IR Site Channel Expansion

Area: Undef
Objective(s): Expansion,

Project Description
Add Channels at IR sites based on loading to maintain critical capacity; install equipment removed from E22 in SW to provide coverage in PCC area.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
General Fund	0	0	125,000	100,000	100,000	100,000	0	425,000
Total Funding Sources	0	0	125,000	100,000	100,000	100,000	0	425,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Microwave Replacement								
Area: Undef								
Objective(s): Replace-								
Project Description								
Replace existing Analog DS3 microwave with Digital OC3 microwave. The microwave provides the critical path for information to move between transmitter sites in the 800 MHz system. The existing microwave system is no longer supportable.								
Funding Sources								
Miscellaneous	0	0	647,000	0	0	0	0	335,000
Total Funding Sources	0	0	647,000	0	0	0	0	335,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Simulcast Expansion								
Area: Undef								
Objective(s): Expansion,								
Project Description								
Add Channels 25-28 at five sites to add critical capacity to 800 MHz system.								
Funding Sources								
Miscellaneous	0	0	0	0	400,000	0	0	400,000
Total Funding Sources	0	0	0	0	400,000	0	0	400,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
System Replacement Planning								
Area: Undef								
Objective(s): Replacement								
Project Description								
Perform study to determine specifications for replacement of the 800 MHz system.								
Funding Sources								
Miscellaneous	0	0	0	85,000	0	0	0	85,000
Total Funding Sources	0	0	0	85,000	0	0	0	85,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Tower Maintenance								
Area: Undef								
Objective(s): Maintenance								
Project Description								
Structural strengthening, painting, and recabling of critical tower assets to meet required system availability and FCC standards.								
Funding Sources								
Miscellaneous	0	0	0	550,000	300,000	650,000	700,000	2,200,000
Total Funding Sources	0	0	0	550,000	300,000	650,000	700,000	2,200,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
IT Operations								
Core Storage Capacity Expansion								
Area: ALL								
Objective(s): Expansion,								
Project Description								
Increase capacity of centralized storage to meet demand increases and enterprise back-up facilities.								
Funding Sources								
IA Revenues	0	0	10,000	435,000	10,000	70,000	110,000	635,000
Total Funding Sources	0	0	10,000	435,000	10,000	70,000	110,000	635,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Data Network Infrastructure								
Area: ALL								
Objective(s): Maintenance,								
Project Description								
A core redesign of the network will accomplish several objectives, including decreasing fragility of the network and increasing maintainability and scalability. The current spanning tree structure of the network creates a single point of failure whereby a configuration mistake when adding or updating a network device could cause the entire network to fail. This adds extra time in the configuration phase to check, and double check configurations. The complexity and risk of failure increases and the network is scaled large to meet increasing need. Increasing backbone bandwidth, upgraded switches and additional fiber optic paths are required in The Portland Building between the 3rd floor machine room and the other floors of the building to carry the increased bandwidth needs for applications such as video, etc. Increased redundancy for fault tolerance, and establishing redundant paths for core network infrastructure will increase the stability and availability of the network, even if core components fail. Upgrading slow speed links in support of higher bandwidth application needs and implementing port level security (802.1x) protocols network wide are also included.								
Funding Sources								
IA Revenues	0	0	485,000	100,000	500,000	75,000	350,000	1,510,000
Total Funding Sources	0	0	485,000	100,000	500,000	75,000	350,000	1,510,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Replace & Consolidate Servers								
Area: Undef								
Objective(s): Maintenance,								
Project Description								
Many of the 300 servers in the City have been in service for more than the industry standard for server lifecycles (3-4 years), and are becoming obsolete: they are no longer capable of running new (now current) operating systems and do not have enough processing power and/or memory. Many of them are standalone servers with no backup or failover in the event of a major hardware failure. One-third of these servers are identified as needing to be replaced (domain controllers, application servers, file and print servers, etc). This improvement plan will consolidate functions onto clustered servers with automatic failover and redundancy, and will replace a majority of servers that no longer meet minimum requirements for our environment.								
Funding Sources								
IA Revenues	0	0	350,000	0	0	365,000	275,000	990,000
Total Funding Sources	0	0	350,000	0	0	365,000	275,000	990,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Information Security								
Intrusion Detection								
Area: ALL								
Objective(s): Maintenance,								
Project Description								
Implement additional protection for critical servers and data.								
Funding Sources								
IA Revenues	0	0	14,700	75,000	16,700	62,860	99,100	268,360
Total Funding Sources	0	0	14,700	75,000	16,700	62,860	99,100	268,360
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Secure Remote Connection								
Area: ALL								
Objective(s): Replace-								
Project Description								
Provide a lower cost mechanism for secure remote connection to meet rising demand.								
Funding Sources								
IA Revenues	0	0	58,000	0	0	0	0	58,000
Total Funding Sources	0	0	58,000	0	0	0	0	58,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Security Scanning and Audit								
Area: ALL								
Objective(s): Maintenance,								
Project Description								
Implement infrastructure for regular security scanning and auditing.								
Funding Sources								
IA Revenues	0	0	10,000	10,000	40,000	0	0	60,000
Total Funding Sources	0	0	10,000	10,000	40,000	0	0	60,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Two-Factor Authentication								
Area: ALL								
Objective(s): Maintenance,								
Project Description								
Implement infrastructure for replacing passwords with improved security.								
Funding Sources								
IA Revenues	0	0	35,750	20,250	151,250	129,760	195,505	532,515
Total Funding Sources	0	0	35,750	20,250	151,250	129,760	195,505	532,515
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Telecommunications								
Canned Remote Site								
Area: Undef								
Objective(s): Expansion,								
Project Description								
Prepackage remote site and keep powered in CO for ready deployment. Purchase new site with funds from installation using current package.								
Funding Sources								
Miscellaneous	0	0	0	0	0	60,000	0	60,000
Total Funding Sources	0	0	0	0	0	60,000	0	60,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Future Fiber Builds								
Area:								Undef
Objective(s):								Expansion,
Project Description								
This project will add fiber optic cabling to the following locations: Police Bureau East Precinct (I-205/Washington to East Precinct), 6th & Mill, East Portal to ODOT, alternate route to Pittock, and cabling to other sites.								
Funding Sources								
Miscellaneous	0	0	0	223,000	415,000	200,000	100,000	938,000
Total Funding Sources	0	0	0	223,000	415,000	200,000	100,000	938,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Portland Building Recabling								
Area:								Undef
Objective(s):								Replace-
Project Description								
Install CPI vertical manager, replace horizontal with Panduit type, and demo unused copper.								
Funding Sources								
Miscellaneous	0	0	25,000	0	0	0	0	25,000
Total Funding Sources	0	0	25,000	0	0	0	0	25,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Remote Site Fixed Wireless Data								
Area:								Undef
Objective(s):								Expansion,
Project Description								
Implement Fixed wireless for key remote sites.								
Funding Sources								
Miscellaneous	0	0	0	200,000	0	0	0	200,000
Total Funding Sources	0	0	0	200,000	0	0	0	200,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
SONET Connection - Fire Training							**Area:**	Undef
							Objective(s):	Expansion,
Project Description								
Fiber construction on Airport Way to 122nd Avenue and installation of SONET peripherals to Fire Training onto City Network for voice and data. This will allow the decommissioning of an expensive and obsolete cable network.								
Funding Sources								
Miscellaneous	0	0	75,000	0	0	0	0	75,000
Total Funding Sources	0	0	75,000	0	0	0	0	75,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
SONET Upgrades							**Area:**	Undef
							Objective(s):	Maintenance,
Project Description								
Upgrade ONS 15454 TCC+ cards to TCC2 cards and upgrade The Portland Building and Communications Center ONS to HD chassis or add chassis. These upgrades will enhance support on the network and the ability to support critical SONET features.								
Funding Sources								
Miscellaneous	0	0	159,000	0	0	150,000	300,000	609,000
Total Funding Sources	0	0	159,000	0	0	150,000	300,000	609,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Westside CSO Site Maintenance							**Area:**	Undef
							Objective(s):	Efficiency
Project Description								
Relocate telecomm equipment from exterior cabinet to building interior.								
Funding Sources								
Miscellaneous	0	0	17,000	0	0	0	0	17,000
Total Funding Sources	0	0	17,000	0	0	0	0	17,000
Operating & Maintenance Costs			0	0	0	0	0	0

Strategic Technology

CAD Replacement

Area: ALL

Objective(s): Replace-

Project Description
Planning phase to upgrade or replace the obsolete core of the CAD system.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
IA Revenues	0	0	75,000	0	0	0	0	75,000
Total Funding Sources	0	0	75,000	0	0	0	0	75,000
Operating & Maintenance Costs			0	0	0	0	0	0

Integration Platform

Area: ALL

Objective(s): Efficiency

Project Description
Consistent integration platform to support cross application integration with ERP and other applications.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
IA Revenues	0	0	75,000	0	0	0	0	75,000
Total Funding Sources	0	0	75,000	0	0	0	0	75,000
Operating & Maintenance Costs			0	0	0	0	0	0

PortlandOnline Upgrades

Area: ALL

Objective(s): Maintenance,

Project Description
Upgrade PortlandOnline software.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Funding Sources								
IA Revenues	0	0	0	100,000	0	0	0	100,000
Total Funding Sources	0	0	0	100,000	0	0	0	100,000
Operating & Maintenance Costs			0	0	0	0	0	0

Utility Customer Services
Overview and Financial Tables

Division Summary

In FY 2004-05 the Customer Service program of the Water Bureau was moved to a new appropriation unit within OMF for better coordination with the implementation of the new customer information system and to achieve efficiencies.

The Customer Services program provides billing and collection services for City water, sewer, and stormwater systems. Work responsibilities include the establishment of new accounts, closing of terminated accounts, bill generation, payment application, response to customer inquiries, and the collection of unpaid accounts. This group also provides meter reading and meter inspection services. This work includes regularly scheduled meter reading, delinquent account notification, leak repair notification, shutting off water service for non-payment, and turning on water after receiving payment.

Capital Programs & Projects

Customer Service

This program has a small capital improvement plan, including one project to remodel the first floor customer contact center in the Portland Building.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5–Year Total
Customer Service								
Customer Service 1st Floor Remodel								
Area: Undefined								
Objective(s): Replacement, Efficiency								
Project Description								
This project will remodel the first floor Customer Contact Center in the Portland Building. The center is the face of the bureau and the first place customers see when they come to the Portland Building. The remodel will address ADA, ergonomic, and safety concerns.								
Funding Sources								
IA Revenues	0	0	228,000	0	0	0	0	228,000
Total Funding Sources	0	0	228,000	0	0	0	0	228,000
Operating & Maintenance Costs			0	0	0	0	0	0

Citywide Projects
Overview and Financial Tables

Division Summary

The OMF Special Projects Appropriation Unit was set up for managing large one-time projects for the City. The AU now has two active projects:

- The replacement of the Citys' automated customer information system
- The implementation of an Enterprise Business System (EBS)

CIS

The City of Portland is replacing its automated customer information system (CIS) for managing billing, accounting, reporting, and collections for its water, sanitary sewer, and stormwater utilities. The process began in 2001 with an assessment of the City's current CIS, and proceeded through identification and analysis of CIS options in response to a competitive request for proposals. In January 2004 a contract for a replacement CIS was entered into with Cayenta Canada. City and Cayenta staff are now configuring, installing, and testing this system to function in accordance with City business requirements.

The Chief Administrative Officer (CAO) is the project director. OMF personnel are leading the project, and staff have been assigned from the Bureaus of Water and Environmental Services, the directors of which advise the CAO. It is expected that implementation of the replacement CIS will be completed by December 2005.

EBS

The City implemented the current core financial system, IBIS, in 1989. This 16-year-old system is not able to efficiently meet the City's needs for transaction functionality or information tracking and dissemination. An independent study was conducted by the Government Finance Officers Association (GFOA) to analyze the current state of the City's financial system and its viability in today's technical environment. The study included a large number of key City staff, among whom there was a clear consensus regarding the need for a modern financial system, reiterating the conclusions of a previous study conducted by GFOA in 2000. The report recommended the replacement of IBIS with a robust EBS.

Capital Programs & Projects

Enterprise Business System Project

GFOA consultants hired by the City have concluded that while IBIS has been a good investment for the City, it can no longer meet the needs of the City of Portland for the following reasons:

- Technological Obsolescence: IBIS technology was considered nearly obsolete in 1999. GFOA stated that "significant limitations exist with the current financial software (IBIS) that, in comparison to software available today, will soon render the City's system obsolete."
- Information Fragmentation: IBIS is a source of information but does not provide comprehensive information needed to make essential decisions. IBIS contains limited and dated information, causing users to create spreadsheets and databases to capture a more analytical and timely review of all data and detail needed to make informed decisions.

- Lack of Real-Time Data: Real-time data, which has become the standard in business, is difficult, if not impossible, to obtain using IBIS.
- Functional Fragmentation: IBIS is not a fully integrated system. The modules within IBIS do not "speak to one another," causing employees to spend extra time on redundant data entry and document routing. Important functionality available in leading Enterprise Resource Planning systems, such as human resources, work order, budget development, and project and grants management, is not contained in IBIS.
- Limitations in Interactions with Citizens and Business Partners: IBIS does not easily support the City's vision of improving citizen access to government, sharing information, and improving the delivery of services.
- Inability to Model Best Business Practices: IBIS does not promote process and/or productivity improvements (workflow) that standard technology in ERP systems would permit.
- Inflexible Reporting Tools: IBIS is a limited, non-user friendly means of reporting financial data. Reports that are needed but unavailable through the system have to be developed either using programmer intervention or, at the bureau level, by extracting information from IBIS and re-keying that information into a stand-alone database, spreadsheet, or system. This expanded data might then have to be re-keyed into IBIS in summary level.
- Redundant Systems: Duplicate "books" and records are maintained in all bureaus. To provide for the required functionality missing in IBIS, both manual and automated alternate means have been initiated and are routinely maintained by individual bureaus. This is inefficient and increases the possibility of compromising "corporate" data.
- Excessive Accounting Activities/High Overhead: Many stand-alone systems exist in the City to perform functions not possible with IBIS. Stand-alone systems require redundant data entry, lead to decreased productivity, and perpetuate a focus on overhead activities rather than municipal services. For example, a public works bureau with project accounting needs will use IBIS to create a purchase order, another system to capture that expenditure against a specific project, and a third system to track a fixed asset purchase. More effort is being dedicated to accounting activities than would be necessary with an integrated system.
- Drill-Down Difficulties: IBIS users are not able to view and review supporting detail for a transaction or financial record while online. The user must write down or commit to memory a key data field, tab through several different screens, or log off the system and locate the hard copy source documentation to review data detail.
- Missing Functionality: Needed functionality simply does not exist in IBIS, leading managers to individually procure special purpose software.
- Weak Project/Grant Accounting: Capital-intensive bureaus do not believe IBIS is usable enough to meet their comprehensive project or grant accounting needs, again leading to multiple third-party software being purchased.
- Sub-Optimal Technology Management: Decentralization of information technology solutions is prevalent among bureaus and even within bureaus. For example, many bureaus have to use a variety of spreadsheets, databases, and third-party software to record data not available in IBIS.
- High IT Staff Costs: Decentralization of information technology solutions is costly to the City. GFOA estimated that the City spent approximately $7.5 million in decentralized technology solutions.

GFOA Recommendations

Based on the needs analysis, market research, and cost-benefit analysis, GFOA recommends that the City of Portland evaluate acquiring a new EBS.

The City would seek competitive proposals by releasing a Request for Proposals for software and implementation services for an EBS. The core of this system would be made up of general ledger, accounts payable, purchasing, grants, project accounting, fixed assets, human resources, and payroll. RFPs would be issued to software vendors, asking them to partner with implementation vendors that have the greatest chance of success in designing a system that meets the City's needs.

Advantages to acquiring a new EBS from one vendor are:

- Single Vendor as the Standard: EBS vendors can encompass the major financial and non-financial applications under the banner of one vendor. The need to purchase third-party software to be able to perform major functions is minimized. EBS vendors also invest a considerable portion of research and development in new, non-financial applications, such as fleet management and property tax assessment applications.
- Best Business Practices: Leading packages use best business practices in designing software functionality.
- Organizational Discipline: An added benefit for the City is greater discipline across bureaus due to the standardization of operating processes Citywide.
- Common Relational Database: True information integration is accomplished when data is fed into and extracted from a single database.
- Powerful Development Toolkit: Leading EBS systems are associated with powerful development tool sets that enable users to modify software or build peripheral applications. This allows bureaus to design applications to meet their needs while still being linked to one central database.
- Ad-Hoc Reporting: The reporting features of ERP software are considerably greater than those of the legacy systems. Many ERP vendors allow governments to choose more than one reporting tool.
- Flexible Chart of Accounts (COA) and Budgetary Structures: The account structure of EBS systems enables users to take full advantage of the underlying relational database technology. Without a properly designed COA, it is difficult to establish standard or activity-based costing systems or flexible reporting.
- Audit Trails/Drill Down: Audit trails provide the ability to review all of the history of changes to a database. This feature shows which user changed a particular record, which can be essential information. Drill-down capabilities differ from audit trails, permitting users to trace the history of a transaction to the source. Both of these features provide a level of accountability not available with IBIS.
- Workflow: Workflow is the automation of business processes within the enterprise financial system. For example, when a user enters a requisition into the system, the system will automatically route the requisition to the supervisor for approval. Once approved by the supervisor, the system may automatically generate a purchase order and send it to the budget office for review.
- Document Management: A properly deployed document management strategy would reduce the paper-intensive nature of government processes, allow for revision control over critical forms, and enable organizations to easily disseminate information to their internal resources.

Presentation to Council

OMF presented the GFOA report recommendations to the Council during the Council Work Session on Citywide Efficiency Efforts on April 27, 2004. The Council requested further information on the possible implementation of an EBS system and directed that a work session be scheduled. A budget note regarding the need to acquire and implement an EBS system was included in the FY 2004-05 Adopted Budget. OMF briefed the Council on the need for the acquisition of an EBS system during a Council Work Session on July 27, 2004. On August 10, 2004, the Council directed OMF to take the necessary next steps to acquire and implement an EBS, including completing and implementing a financial plan and including the cost of the project in the City's five-year financial forecast.

After the implementation is completed, the overall ownership responsibility and its on-going management and maintenance will be with BTS, since it is a corporate application.

This project will have a number of implications for City bureaus.

- The bureaus' share of annual debt service for the project begins in FY 2005-06 and has been incorporated into rate budgets that are at current appropriation level targets for inflation increases.
- The billing and management information systems that the bureaus have will have to be modified to feed the new financial system, or they will be abandoned in favor of other systems that can be shared by a number of bureaus.
- The implementation of the system will include a review of business practices and the implementation of standardized Citywide best practices, which may be different than those used now by the bureaus.
- The financial structures of the bureaus will be reviewed just like the business practices and improvements made to standardize them and take full advantage of the benefits of the new system.

	Prior Years	Revised FY 2004–05	Adopted FY 2005–06	Capital Plan FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	5-Year Total
Enterprise Business System Project								
Enterprise Business System Project								
Area: Undef								
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 Business System. Under this project, the City would seek competitive proposals for software and implementation services for the EBS system. The core system would include general ledger, AP, purchasing, grants, project accounting, fixed assets, HR, and payroll.								
Funding Sources								
Technology Services Fund	0	936,051	4,330,430	3,750,000	4,983,519	0	0	13,063,949
Total Funding Sources	0	936,051	4,330,430	3,750,000	4,983,519	0	0	13,063,949
Operating & Maintenance Costs			0	0	0	0	0	0


CITY OF PORTLAND, OREGON
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