

Exhibit 8

Proposed Capital Improvements Program Projects - FY 05-06			
Project Description	Newly Proposed for FY 05-06	Carryover from FY 04-05	Total for FY 05-06
Carryover Projects			
Biocycle Farm (Poplar Plantation)	421,000	750,000	1,171,000
Lab Modification	0	150,000	150,000
Digester Mixing Improvements Design	0	50,000	50,000
Digester Mixing Improvements	167,000	1,800,000	1,967,000
Primary Clarifier Enhancements	120,000	1,100,000	1,220,000
Secondary Clarifier Enhancements Design	0	420,000	420,000
Secondary Clarifier Enhancements	541,000	4,780,000	5,321,000
S. Aeration Basin Improvements Design	0	590,000	590,000
South Aeration Basin Improvements	703,000	6,210,000	6,913,000
Construction Management Facilities	0	50,000	50,000
New Projects			
Influent pumping Improvements	1,807,000	0	1,807,000
Willakenzie Pump Station Expansion	6,377,000	0	6,377,000
Odorous Air Treatment I	2,445,000	0	2,445,000
9th & 10th Secondary Clarifiers	1,004,000	0	1,004,000
Waste Activated Sludge Thickening	2,657,000	0	2,657,000
Biocycle Farm Phase 2	319,000	0	319,000
Biocycle Farm Hose Reels	420,000	0	420,000
Lagoon Lining Phase 1 and Dredge Movement System	1,858,000	0	1,858,000
Wet Weather Flow Management Plan Update	266,000	0	266,000
Support Development of Private Lateral	266,000	0	266,000
River Avenue Improvements	351,000	0	351,000
Total	\$19,722,000	\$15,900,000	\$35,622,000

OTHER CAPITAL PROGRAMS

- Equipment Replacement

The FY 05-06 Capital Programs budget includes the Equipment Replacement projects identified in the table below.

Proposed Equipment Replacement Projects - FY 05-06	
Project Description	Proposed Budget
Raw Sewage Pump (last of 4)	132,440
Recycle Pump	17,602
Washer/compactor, Screening	23,000
Activated Sludge Pump	17,000
Boiler Upgrade	130,000
Variable Frequency Drive for W2 Pump	15,000
Programmable Logic Controller	34,706
Computer Equipment	54,275
Fleet Replacement	156,110
Total	\$580,133

- Major Rehabilitation

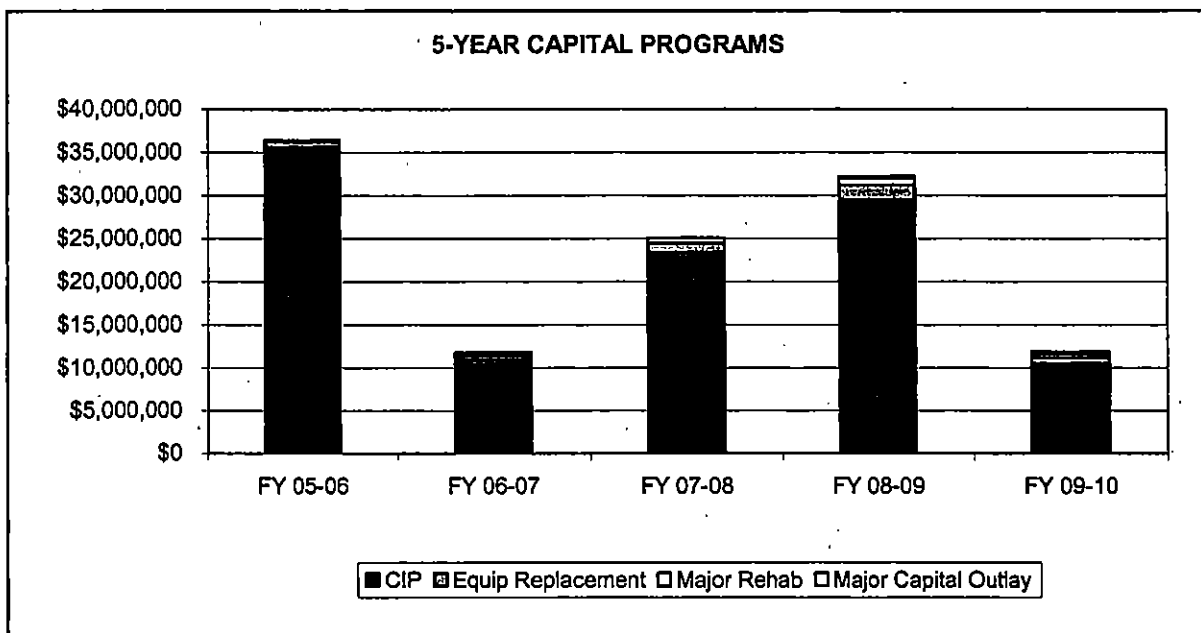
The FY 05-06 Capital Programs budget includes the Major Rehabilitation projects identified in the table below.

Proposed Major Rehab Projects - FY 05-06	
Project Description	Proposed Budget
Operations Building Improvements	\$50,000
Wall Replacement in Screw Pump Room	\$22,000
Recycle Wet Well Coating	\$40,000
Roof Replacement, Welding Shop	\$30,000
Roof Replacement, South Storage Bldg	\$50,000
Total	\$192,000

EXHIBIT 9
CAPITAL PROGRAMS
5 YEAR PLAN

Capital Improvements Program (CIP) (Springfield Administration)	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	TOTAL
Biosolids - Poplar Plantation	1,171,000					1,171,000
Biosolids - Poplar Plantation II	319,000					319,000
Biocycle Farm Hose Reels	420,000					420,000
Biosolids - Poplar Plantation III			345,000			345,000
Biosolids - Line Lagoons I	1,858,000					1,858,000
Biosolids - Line Lagoons II				1,350,000		1,350,000
Lab Modification	150,000					150,000
River Avenue Improvements	351,000					351,000
WWFMP Update	266,000					266,000
Support Private Lateral Program	266,000					266,000
Wilakenzie Pump Station Expansion	6,377,000					6,377,000
Influent Pumping Improvements	1,807,000					1,807,000
Dry Weather Headworks		2,200,000	12,515,000			14,715,000
Primary Clarifier Enhanc.	1,220,000					1,220,000
Primary Sludge Thickening			4,139,000			4,139,000
Digester Mixing Improvements Design	50,000					50,000
Digester Mixing Improvements	1,967,000					1,967,000
Waste Activated Sludge Thickening	2,657,000					2,657,000
Odorous Air Treatment I	2,445,000					2,445,000
Odorous Air Treatment II				2,750,000		2,750,000
South Aeration Basin Improvements I	590,000					590,000
South Aeration Basin Improvements	6,913,000					6,913,000
Parallel Primary /Secondary Treatmen			1,500,000	11,652,000		13,152,000
Secondary Clarifier Enhancements De	420,000					420,000
Secondary Clarifier Enhancements	5,321,000					5,321,000
9th & 10th Secondary Clarifiers	1,004,000	5,960,000				6,964,000
Sodium Hypochlorite Conversion			4,713,000			4,713,000
Tertiary Filtration I				12,076,000	6,038,000	18,114,000
Effluent Reuse I		2,764,000				2,764,000
Effluent Reuse II					4,476,000	4,476,000
Outfall Mixing Zone Study			172,000			172,000
Bankside Outfall				1,662,000		1,662,000
Construction Management Facilities	50,000					50,000
SUB-TOTAL	35,622,000	10,924,000	23,384,000	29,490,000	10,514,000	109,934,000
Other Capital Programs (Eugene Operations)						
Equipment Replacement	580,133	472,553	1,136,011	1,702,488	660,080	4,551,265
Major Rehab	192,000	362,610	596,374	765,000	402,000	2,317,984
Major Capital Outlay				219,183	258,931	478,114
SUB-TOTAL	772,133	835,163	1,732,385	2,686,671	1,321,011	7,347,363
TOTAL	36,394,133	11,759,163	25,116,385	32,176,671	11,835,011	117,281,363

Note: The 20-year project list developed from the 2004 Facilities Plan identified the cost of projects using 2004 dollars. The project costs listed above have been inflated. FY 05-06 costs were adjusted by the inflation of the Engineering News Record's 20 Cities Construction Cost Index. Future years were inflated at 4% per year.



**REGIONAL WASTEWATER
PROGRAM BUDGET**

RESERVES

REGIONAL WASTEWATER PROGRAM RESERVES

The RWP maintains reserve funds for dedicated purposes. Generally, reserves provide a buffer against substantial fluctuations in revenues and expenditures, resulting in the ability to maintain stable rates while fully funding operating and capital needs. Further details on the FY 05-06 reserves are provided below.

WORKING CAPITAL RESERVE

The Working Capital Reserve acts as a revolving account that is drawn down and replenished on a monthly basis to provide funds for payment of Springfield Administration and Eugene Operations costs prior to the receipt of user fees from the Springfield Utility Board and Eugene Water and Electric Board. The Administration Working Capital Reserve is \$200,000, and the Operations Working Capital Reserve is \$500,000.

OPERATING RESERVE

The Operating Reserve is used to account for accumulated operating revenues net of operating expenditures. The Commission has adopted a policy of budgeting an Operating Reserve balance approximately equal to 10% of the adopted operating budget.

The Operating Reserve For FY 05-06 is budgeted at 10% of the total of Personal Services, Materials and Services, and Capital Outlay in accordance with Commission policy. Additional budget detail for the Operating Reserve is provided below.

OPERATING RESERVE	ADOPTED BUDGET FY 04-05	AMENDED BUDGET FY 04-05	PROPOSED BUDGET FY 05-06
Beginning Balance	\$1,617,216	\$1,053,472	\$2,722,618
User Revenue	14,973,000	14,973,000	15,700,000
Septage Revenue	343,000	343,000	450,000
Other Revenue	456,494	456,494	46,800
Interest	69,000	69,000	64,900
Transfer From Capital Reserve	0	0	1,158,000
Expenditures	(11,916,707)	(11,918,840)	(12,664,563)
Debt Service	0	0	(762,500)
Transfer to Reserves	(4,684,793)	(4,679,273)	(7,436,440)
Ending Balance	\$1,157,210	\$296,853	\$1,220,819

RATE STABILITY RESERVE

The Rate Stability Reserve was established to implement the Commission’s objective of maintaining stable rates. It is intended to hold revenues in excess of the current year’s operating and capital requirements, in order to avoid “rate spikes” in future years.

RATE STABILITY RESERVE	ADOPTED BUDGET FY 04-05	AMENDED BUDGET FY 04-05	PROPOSED BUDGET FY 05-06
Beginning Balance	\$0	\$0	\$0
Transfer From Operating Reserve	1,294,688	1,289,168	\$852,884
Transfer to Operating Reserve	0	0	0
Ending Balance	\$1,294,688	\$1,289,168	\$852,884

BOND RESERVE

In order to sell revenue bonds, bond covenants are established as part of the sales agreements that provide assurances to the bond holders that adequate revenue coverage will be provided for future debt service payments. A Bond Reserve in which 10 percent of bond proceeds is placed, is a commonly used method found in Bond Covenants.

BOND RESERVE	ADOPTED BUDGET FY 04-05	AMENDED BUDGET FY 04-05	PROPOSED BUDGET FY 05-06
Beginning Balance	\$0	\$0	\$0
Transfer From Operating Reserve	\$0	\$0	\$3,150,000
Ending Balance	\$0	\$0	\$3,150,000

CAPITAL RESERVE

The Capital Reserve accumulates funds transferred from the Operating Reserve for the purpose of funding the CIP, Major Capital Outlay and Major Rehabilitation Program costs. The intent is to minimize rate impacts associated with fluctuating Capital Program costs in any given year. The FY 05-06 Budget includes a contribution from the Operating Reserve of \$ 3,137,500 to maintain this reserve and to cover CIP and Major Rehabilitation Program costs. The beginning balance on July 1, 2005 is projected to be \$7,574,210 . Additional budget detail on the CIP, Major Capital Outlay and Major Rehabilitation Program reserves is provided on the following page.

CAPITAL RESERVE	ADOPTED BUDGET FY 04-05	AMENDED BUDGET FY 04-05	PROPOSED BUDGET FY 05-06
Beginning Balance	\$7,250,248	\$5,546,259	\$7,574,210
Transfer From Operating Reserve	3,000,000	3,000,000	3,137,500
Interest	200,911	200,911	200,000
Revenue Bond Proceeds	6,500,000	7,750,000	\$1,500,000
Bond Sale Expense	0	0	(512,500)
Bond Insurance	0	0	(250,000)
Xfer to Fund 612	0	0	(3,130,000)
Funding For Capital Outlay	(250,000)	(250,000)	0
Funding For Major Rehab	(350,000)	(447,000)	(192,000)
Funding For CIP	(9,710,002)	(11,138,356)	(31,647,000)
Ending Balance	\$6,641,157	\$4,661,814	\$6,660,210

EQUIPMENT REPLACEMENT RESERVE

The Equipment Replacement Reserve accumulates replacement funding for three types of equipment: 1) major/stationary equipment items costing less than \$200,000 with useful lives of 20 years or less; 2) fleet vehicles maintained by the Eugene Wastewater Division; and 3) computers that serve the Eugene Wastewater Division. Contributions to the Equipment Replacement Reserve in the FY 05-06 budget total \$6,979,211. Additional budget detail is provided below.

EQUIPMENT REPLACEMENT RESERVE	ADOPTED BUDGET FY 04-05	AMENDED BUDGET FY 04-05	PROPOSED BUDGET FY 05-06
Beginning Balance	\$0	\$0	\$0
Annual Equipment Contribution	\$8,482,295	\$8,972,240	\$8,658,667
Annual Vehicle Contribution	\$221,719	\$221,719	\$162,012
Annual Computer Contribution	\$142,173	\$142,173	\$158,532
Interest	\$26,213	\$26,213	\$25,512
Equipment Purchases	\$275,998	\$275,998	\$205,000
Ending Balance	\$9,155,298	\$9,638,343	\$9,209,723

SYSTEM DEVELOPMENT CHARGE (SDC) RESERVES

SDCs are required as part of the MWMC IGA. They are connection fees charged to new users to recover costs associated with construction of plant capacity, and are limited to funding Capital Programs. The purpose of the SDC Reserve is to collect and account for SDC revenues separately from other revenue sources, in accordance with statutory requirements. Since 1997, the Commission has maintained an SDC structure that is a combination of "Reimbursement" and "Improvement" fee components. Estimated SDC revenues for FY 05-06 total \$1,774,800. Budgeted FY 05-06 Capital costs to be paid with SDCs are \$3,325,000. The projected beginning

SDC Reserve balance on July 1, 2005 is \$5,678,429. Several legal challenges to MWMC's SDCs were filed during FY 04-05. Because of the possible implications of these challenges, MWMC created a Contingency Reserve to hedge against the loss of part or all of FY 04-05 SDC revenue as a result of the legal challenges. The Contingency Reserve is continued in FY 05-06. Additional budget detail is provided below.

SDC RESERVES	ADOPTED BUDGET FY 04-05	AMENDED BUDGET FY 04-05	PROPOSED BUDGET FY 05-06
IMPROVEMENT SDCs			
Beginning Balance	\$363,264	\$555,388	\$730,406
SDCs Collected	105,700	105,700	1,618,800
Interest	8,255	11,018	4,000
SDC Contingency Reserve	0	0	0
Funding For Capital	0	0	0
Ending Balance	\$477,219	\$672,106	\$2,398,216
REIMBURSEMENT SDCs			
Beginning Balance	\$5,093,631	\$4,296,041	\$4,942,000
SDCs Collected	1,006,740	1,006,740	1,156,000
Interest	1,557,452	52,982	94,000
SDC Contingency Reserve	0	0	(1,163,000)
Funding For Capital	(3,624,996)	(4,242,188)	(3,325,000)
Ending Balance	\$2,536,120	\$1,113,575	\$3,714,000

EXHIBIT 10

REGIONAL WASTEWATER PROGRAM
RESERVES - LINE ITEM BUDGET

RESERVES	ADOPTED BUDGET FY 04-05	AMENDED BUDGET FY 04-05	PROPOSED BUDGET FY 05-06
WORKING CAPITAL			
Eugene	\$500,000	\$500,000	\$500,000
Springfield	200,000	200,000	200,000
CAPITAL RESERVE			
EQUIPMENT REPLACEMENT RESERVE	2,131,155	154,185	16,660,210
SDC RESERVE	7,150,757	7,416,616	6,629,590
SDC CONTINGENCY RESERVE	3,013,365	1,285,673	707,023
OPERATING RESERVE	0	500,000	1,163,000
RATE STABILITY RESERVE	1,157,210	296,853	1,220,310
MWMC REVENUE BOND RESERVE	1,294,383	1,289,168	857,864
MWMC REVENUE BOND RESERVE	0	0	1,150,000
TOTAL RESERVES	\$15,447,140	\$11,642,495	\$21,080,526

APPENDICES

REGIONAL WASTEWATER
PROGRAM BUDGET

APPENDIX A

SPRINGFIELD
PROGRAM DETAIL

**CITY OF SPRINGFIELD
REGIONAL WASTEWATER PROGRAM RESPONSIBILITIES**

The City of Springfield manages administration services for the RWP under a contract with the MWMC. The programs maintained by Springfield to support the RWP are summarized below and are followed by Springfield's regional wastewater budget summaries. Activities, and therefore program budgets, for MWMC administration vary from year to year depending upon the major construction projects and special initiatives underway. A list of the capital projects Springfield staff will support in FY 05-06 is provided in Exhibit 3 on page 20.

MWMC ADMINISTRATION

The Springfield Environmental Services Division and Finance Department provide ongoing support and management services for MWMC. The Public Works Director and the Environmental Services Manager serve as the MWMC Executive Officer and General Manager, respectively. Springfield provides the following administration functions: financial planning management, accounting and financial reporting; risk management and legal services; coordination and management of public policy; coordination and management of regulatory and permit compliance issues; coordination between the Commission and the governing bodies; long-range capital project planning and construction management; coordination of public information, education, and citizen involvement programs; sewer user customer service; and coordination and development of regional budgets, rate proposals, and revenue projections.

INDUSTRIAL PRETREATMENT (SOURCE CONTROL) PROGRAM

The Industrial Pretreatment Program is a regional activity implemented jointly by the cities of Eugene and Springfield. The Industrial Pretreatment section of the ESD is charged with administering the program for the regulation and oversight of wastewaters discharged to the sanitary collection system by industries in Springfield. This section is responsible for ensuring that these wastes do not damage the collection system, interfere with wastewater treatment processes, result in the pass-through of harmful pollutants to treated effluent or biosolids, or threaten worker health or safety.

This responsibility is fulfilled in part, by the use of a permit system for industrial dischargers. This permit system, common to both Eugene and Springfield, implements necessary limitations on waste characteristics and establishes inspection, monitoring, and reporting requirements for documenting waste quality and quantity controls. The Industrial Pretreatment section is also responsible for locating new industrial discharges in Springfield and evaluating the impact of those discharges on the regional WPCF. As of February 2005, there were 15 significant industrial users under permit in Springfield. The Industrial Pretreatment Program also addresses the wastewater discharges of some commercial/industrial businesses through the development and implementation of Pollution Management Practices. Pretreatment program staff also coordinate pollution prevention activities in cooperation with the Pollution Prevention Coalition of Lane County.

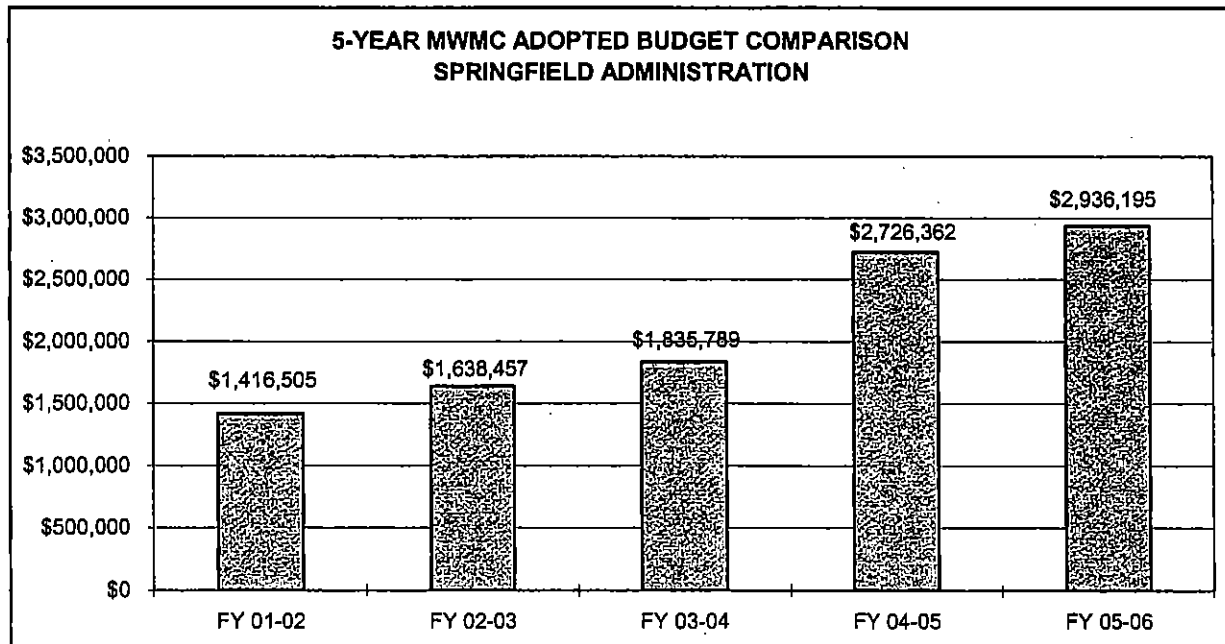
ACCOUNTING & FINANCIAL REPORTING

Accounting and financial reporting services for the RWP are provided by the Accounting section in the Springfield Finance Department, in coordination with ESD. Springfield Accounting staff maintain grant and contract accounting systems, as well as compliance with all local, State and Federal accounting and reporting requirements for MWMC finances. This section also assists ESD with preparation of the MWMC budget, capital financing documents, sewer user rates, and financial policies and procedures.

EXHIBIT 11

**SPRINGFIELD ADMINISTRATION PROGRAM
PROPOSED FY 04-05
BUDGET SUMMARY**

	ACTUAL FY 03-04	ADOPTED BUDGET FY 04-05	AMENDED BUDGET FY 04-05	PROPOSED BUDGET FY 05-06	CHANGE * INCR/(DECR)	
Personnel Services	\$628,512	\$1,048,644	\$1,048,644	\$1,149,816	\$101,172	10%
Materials & Services	1,140,282	1,639,968	1,895,488	1,786,379	146,411	9%
Capital Outlay	0	37,750	37,750	0	(37,750)	NA
Budget Summary	\$1,768,794	\$2,726,362	\$2,981,882	\$2,936,195	\$209,833	8%



Note:

* Change column and Percent Change column compare proposed FY 05-06 budget to originally adopted FY 04-05 budget.

EXHIBIT 12
SPRINGFIELD ADMINISTRATION
LINE ITEM BUDGET SUMMARY

	ACTUAL FY 03-04	ADOPTED BUDGET FY 04-05	AMENDED BUDGET FY 04-05	PROPOSED BUDGET FY 05-06	CHANGE INCR/(DECR)	
PERSONNEL SERVICES						
Regular Wages	\$450,083	\$732,670	\$732,670	\$799,181	\$66,511	9%
Overtime	549	5,500	5,500	5,500	0	0%
Personal Services Adjustments	9,038	6,720	6,720	1,044	(5,676)	-84%
Comp Time Payoff	12,837	15,022	15,022	0	(15,022)	NA
Employee Benefits	156,005	288,732	288,732	341,571	52,839	18%
Cell Phone Allowance	0	0	0	2,520	2,520	NA
Total Personnel Services	\$628,512	\$1,048,644	\$1,048,644	\$1,149,816	\$101,172	10%
FTE	7.30	14.05	14.05	14.35	0.30	
MATERIALS & SERVICES						
Billing & Coll Exp	318,003	425,000	425,000	395,000	(30,000)	-7%
Contractual Services	85,337	188,439	188,439	292,500	104,061	55%
Litigation Expense	91,396	0	250,000	100,000	100,000	NA
Environmental Ed	784	5,000	5,000	5,000	0	0%
Attorney Fees	19,899	45,000	45,000	60,000	15,000	33%
Com Emerg Notification System	0	2,800	2,800	2,800	0	0%
PP&L Insurance	251,125	330,000	330,000	275,000	(55,000)	-17%
Telephone	1,725	2,070	2,070	376	(1,694)	-82%
Ris/Airs/Geo Charges	7,179	10,843	10,843	10,290	(553)	-5%
Advertising	3,905	4,500	4,500	4,500	0	0%
Duplicating Supplies	847	2,450	2,450	2,450	0	0%
Printing	1,416	7,500	7,500	10,000	2,500	33%
Travel & Meeting Expenses	6,717	20,800	20,800	20,821	21	0%
Internal Meeting	140	0	0	0	0	NA
Property Taxes	5,945	9,000	9,000	9,000	0	0%
WPCF/NPDES Permits	86,260	90,000	90,000	88,000	(2,000)	-2%
Safety Clothing/Eq	52	200	200	300	100	50%
Pretreatment Supplies	1,819	3,500	3,500	3,500	0	0%
Gasoline & Oil	798	543	543	1,029	486	90%
Utilities	3,900	5,098	5,098	5,754	656	13%
Memberships, Books, Subscrips	11,982	15,482	15,482	14,249	(1,233)	-8%
Postage & Shipping Charges	2,080	3,500	3,500	3,500	0	0%
Office Supplies	3,547	9,575	9,575	9,683	108	1%
Computer Software	851	21,485	21,485	7,207	(14,278)	-66%
Small Furniture & Appliances	520	2,000	2,000	4,500	2,500	125%
Program Expense	14,811	35,550	35,550	36,051	501	1%
Internal System Mtce	0	8,500	8,500	8,500	0	0%
Equipment Maintenance	3,210	2,325	2,325	2,450	125	5%
Property Maintenance	0	500	500	500	0	0%
Employee Development	4,381	18,205	18,205	19,680	1,475	8%
Internal Insurance Chgs	2,353	4,484	4,484	22,150	17,666	394%
Internal Veh Mt Chgs	977	1,936	1,936	1,977	41	2%
Phone Equip Chgs	405	604	604	510	(94)	-16%
Internal Fac Rent	7,611	11,535	11,535	42,592	31,057	269%
Computer Equip Chgs	6,718	14,464	19,984	10,060	(4,404)	-30%
Data Proc Chgs	26,426	44,682	44,682	39,450	(5,232)	-12%
Bldg Maint Chgs	10,648	20,888	20,888	25,365	4,477	21%
Internal Veh & Equip Rent	3,772	7,507	7,507	4,286	(3,221)	-43%
Internal Employee Benefit	5,620	9,306	9,306	11,397	2,091	22%
Indirect Costs	147,091	254,697	254,697	235,952	(18,745)	-7%
Total Materials & Services	\$1,140,282	\$1,639,968	\$1,895,488	\$1,786,379	\$146,411	9%
CAPITAL OUTLAY						
Total Capital Outlay	0	37,750	37,750	0	(\$37,750)	NA
TOTAL ADMIN	\$1,768,794	\$2,726,362	\$2,981,882	\$2,936,195	\$209,833	8%

**REGIONAL WASTEWATER
PROGRAM BUDGET**

APPENDIX B

**EUGENE
PROGRAM DETAIL**

**CITY OF EUGENE
REGIONAL WASTEWATER PROGRAM RESPONSIBILITIES**

The Wastewater Division for the City of Eugene manages all regional wastewater pollution control facilities serving the Eugene/Springfield and River Road/Santa Clara areas under the Intergovernmental Agreement with the Metropolitan Wastewater Management Commission (MWMC).

These regional facilities include the Eugene/Springfield Regional Water Pollution Control Facility (WPCF), the 154 acre Biosolids Management Facility, the 286 acre Seasonal Industrial Waste Facility, the 600 acre Biocycle Farm site, and regional wastewater pumping stations and transmission sewers. In support of the water pollution control program, the Division also provides technical services for wastewater treatment, management of equipment replacement and infrastructure rehabilitation, biosolids treatment and recycling, an industrial source control and pretreatment program in conjunction with City of Springfield staff, regional laboratory services for wastewater and water quality analyses, and flow monitoring on the regional sanitary trunk sewers.

ADMINISTRATIVE AND MANAGEMENT SERVICES

Administrative Services provides management, administrative, and office support to the Wastewater Division. This support includes the general planning, directing, and managing of the activities of the Division; development and coordination of the budget; administration of personnel records; and processing of payroll, accounts payable, and accounts receivable. This section also provides tracking and monitoring of all assets for the regional wastewater treatment facilities and clerical support for reception, telephone services, and other miscellaneous needs. Another area this program administers is the coordination of local and regional billing and rate activities.

**REGIONAL WASTEWATER TREATMENT
FACILITY OPERATIONS**

The Wastewater Division operates the WPCF to treat domestic and industrial liquid wastes to achieve an effluent quality that protects and sustains the beneficial uses of the Willamette River. The WPCF is designed to treat 49 million gallons per day (MGD) of dry weather flow, with a peak hydraulic capacity of 105 MGD for full secondary treatment. The Operations section optimizes integrated wastewater treatment processes to ensure effluent quality requirements are met in an effective manner. In addition, the Operations section provides 24 hour/day alarm monitoring of all plant processes, regional and local pump stations, and the Biosolids and Seasonal Industrial Waste Facilities.

**REGIONAL WASTEWATER TREATMENT
FACILITY MAINTENANCE**

Preservation of the multi-million dollar investment in the equipment and infrastructure of the WPCF is the responsibility of the Maintenance section of the Wastewater Division. This section provides a preventative maintenance program to maximize equipment life and performance; a corrective maintenance program for repairing unanticipated equipment failures;

a facility maintenance program to maintain the buildings, treatment structures, and grounds; and a stores unit that purchases and stocks parts and supplies and assists with professional services contracting. Also included within the Maintenance section's charge are the pump stations and sewers in the regional and local collection system, and the facilities and equipment at the Biosolids Management and Seasonal Industrial Waste Facilities.

BIOSOLIDS MANAGEMENT

The biological solids (biosolids) produced as a result of the activated sludge treatment of wastewater is managed by the Residuals Management section of the Wastewater Division. This section operates the Biosolids Management Facility (BMF) and Biocycle Farm located at Awbrey Lane in Eugene. Approximately 4,750 dry tons of biosolids are produced annually by the WPCF. These biosolids are treated using anaerobic digestion, stored in facultative lagoons (which provide some additional treatment benefits), and then air-dried to reduce the water content and facilitate transport. The dried material is ultimately recycled to agricultural land as a beneficial fertilizer and soil conditioner. In 2004 the first phase of the Biocycle Farm will begin operations, beneficially reusing biosolids through irrigation on poplar trees. This section also manages the Seasonal Industrial Waste (SIW) facility.

INDUSTRIAL SOURCE CONTROL (Pretreatment) and ANALYTICAL SERVICES, SAMPLING TEAM

The pretreatment program is a regional activity implemented jointly by the cities of Eugene and Springfield. The Industrial Source Control group of the Wastewater Division is charged with administering the pretreatment program for the regulation and oversight of wastewaters discharged to the sanitary collection system by fixed-site industries in Eugene and by mobile waste haulers in the Eugene and Springfield areas. This group is also responsible for ensuring that these wastes do not damage the collection system, interfere with wastewater treatment processes, result in the pass-through of harmful pollutants to treated effluent or biosolids, or threaten worker health or safety.

This responsibility is fulfilled through the use of a permit system for industrial dischargers. This permit system, common to both Eugene and Springfield, implements necessary limitations on waste characteristics and establishes inspection, monitoring, and reporting requirements for documenting waste quality and quantity controls. The staff is also responsible for locating new industrial discharges in Eugene and evaluating the impact of new non-residential discharges on the WPCF. As of January 2005, there were 22 significant industrial users under permit in Eugene.

The section also has responsibilities related to environmental spill response activities.

The Analytical Services group provides necessary analytical work in support of wastewater treatment, residuals management, industrial source control, stormwater monitoring, and special project activities of the Wastewater Division. The laboratory's services include sample handling and analyses of influent sewage, treated wastewater, biosolids, industrial wastes, stormwater, and groundwater. Information from the laboratory is used to make treatment process control decisions, document compliance with regulatory requirements, demonstrate environmental protection, and ensure worker health and safety.

The Sampling Team is responsible for all of the sampling activities related to regional wastewater program functions. These include the Eugene pretreatment program, wastewater treatment process control, effluent and ambient water quality, groundwater quality, facultative sludge lagoons, and stormwater samples. This section also evaluates and reports on the sampling data for various programs.

MANAGEMENT INFORMATION SERVICES (MIS)

The MIS section provides services for electronic data gathering, analysis, and reporting as necessary in compliance with regulatory requirements and management functions. This section also maintains the electronic communication linkages with the City of Eugene and the Regional Information System, and supplies technical expertise and assistance in the selection, operation, and modification of computer systems (hardware and software) within the Division.

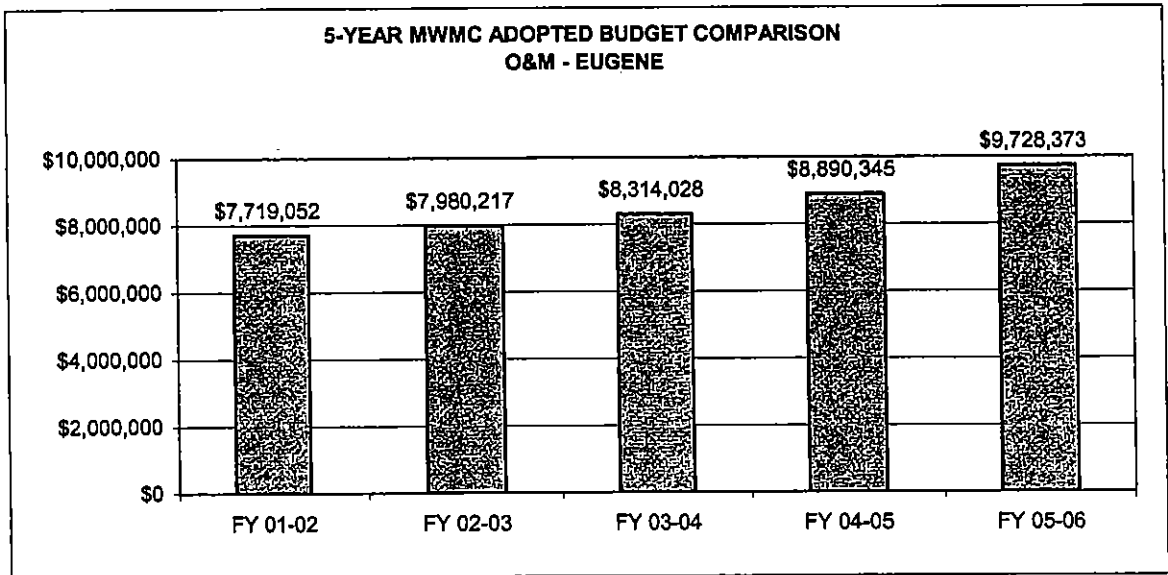
PROJECT MANAGEMENT

Management of wastewater system improvements and ongoing developments is carried out by the Project Management staff. Activities include problem-solving and action recommendations, project management, technical research, computer-aided design and electronic storage of design drawings, and planning of projects to anticipate and prepare for new regulatory and operational requirements. The Project Management staff develops Request for Proposals and Request for Quotes, coordinates special project activities between work sections, and coordinates the procurement of building permits as necessary in support of project activities.

EXHIBIT 13

**O & M - CITY OF EUGENE PROGRAM
PROPOSED FY 05-06
BUDGET SUMMARY**

	ACTUAL FY 03-04	ADOPTED BUDGET FY 04-05	AMENDED BUDGET FY 04-05	PROPOSED BUDGET FY 05-06	CHANGE *	
					INCR/(DECR)	
Personnel Services	\$5,083,191	\$5,408,079	\$5,408,079	\$6,185,937	\$777,858	14% *
Materials & Services	3,189,744	3,306,338	3,309,983	3,446,036	139,703	4%
Capital Outlay	92,573	175,950	218,913	2,96,400	(79,550)	-45%
Budget Summary	\$8,365,508	\$8,890,362	\$8,936,975	\$9,728,373	\$838,011	9%



Notes: * Change column and Percent Change column, compare proposed FY 05-06 budget to adopted FY 04-05 budget

EXHIBIT 14

O&M - CITY OF EUGENE
LINE ITEM BUDGET SUMMARY

	ACTUAL FY 03-04	ADOPTED BUDGET FY 04-05	AMENDED BUDGET FY 04-05	AD BUDGET FY 05-06	CHANGE INCR/(DECR)	
<u>PERSONNEL SERVICES</u>						
Regular Wages	\$3,207,441	\$3,379,958	\$3,379,958	\$3,624,016	\$244,058	7%
Extra Help	75,847	66,657	66,657	66,948	291	0%
Overtime	59,925	33,742	33,742	66,746	33,004	98%
Employee Benefits	1,138,712	1,195,884	1,195,884	1,571,849	375,965	31%
Health Insurance	543,540	659,243	659,243	770,520	111,277	17%
Workers' Comp/Unemploy Ins	57,725	72,594	72,594	85,858	13,264	18%
TOTAL PERSONNEL SERVICES	5,083,191	5,408,079	5,408,079	6,185,937	777,858	14%
FTE	68.14	70.36	70.36	72.50	2.14	3%
<u>MATERIALS & SERVICES</u>						
Utilities	557,540	648,100	648,100	671,121	23,021	4%
Fleet Operating Charges	213,794	189,071	189,071	186,295	(2,776)	-1%
Maintenance-Equip & Facilities	263,681	351,151	351,151	248,434	(102,717)	-29%
Contractual Services	236,094	193,565	197,215	219,448	25,883	13%
Materials & Program Expense	422,673	478,802	478,802	586,013	107,211	22%
Chemicals	185,006	183,293	183,293	263,356	82,063	45%
Parts & Components	338,583	231,850	231,850	264,010	32,160	14%
Risk Insurance - Employee Liability	122,697	111,428	111,428	53,582	(55,846)	-50%
Laboratory Equipment & Supplies	44,803	72,534	72,534	88,243	15,709	22%
Computer Equip, Supplies, Maint	74,727	77,434	77,434	103,684	26,250	34%
Indirects	730,145	769,105	769,105	757,850	(11,255)	-1%
TOTAL MATERIALS & SERVICES	3,189,744	3,306,333	3,309,983	3,446,056	139,703	4%
<u>CAPITAL OUTLAY</u>						
Motorized Vehicles	\$0	\$28,500	\$28,500	\$11,400	(17,100)	-60%
Office Machines & Furniture	0	0	0	0	0	NA
Computer & Electronic Equipment	0	0	0	0	0	NA
Laboratory & Test Equipment	0	0	0	0	0	NA
Capital Outlay-Other	92,573	147,450	190,413	85,000	(62,450)	-42%
TOTAL CAPITAL OUTLAY	92,573	175,950	218,913	96,400	(79,550)	-45%
LINE ITEM SUMMARY: EUGENE	8,365,508	8,890,362	8,936,975	9,728,373	838,011	9%

**REGIONAL WASTEWATER
PROGRAM BUDGET**

**CAPITAL IMPROVEMENTS
PROGRAM**

BIOSOLIDS - POPLAR PLANTATION

Facility Process Component
Biosolids

\$11,024,923
Total Cost

Costs	PRIOR EXPENDITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Construction	9,853,923	1,171,000					11,024,923
TOTAL	9,853,923	1,171,000	0	0	0	0	11,024,923
FUNDING SOURCE							
Capital Reserve	8,258,923	1,171,000					9,429,923
SDC Reimbursement Reserve	1,595,000						1,595,000
TOTAL	9,853,923	1,171,000	0	0	0	0	11,024,923

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Biosolids - Poplar Plantation I

DESCRIPTION: Develop a dedicated biosolids reuse site utilizing poplar trees for nutrient uptake.

JUSTIFICATION: Land already purchased and provides area adjacent to BMF for application of liquid and dewatered biosolids. The establishment of this site provides MWMC with more flexibility and control of overall biosolids management program.

PROJECT DRIVER: Increased solids production at the E/S WPCF and currently storing an excess inventory of biosolids in the lagoons.

PROJECT TRIGGER:

TYPE OF PROJECT: 100% Performance

ESTIMATED PROJECT COST (FY 2004-05 Dollars): Not calculated - originally budgeted in FY 99-00

INFLATED PROJECT COST (FY 2005-06 Dollars): \$1,171,000

PHASING: Originally budgeted in FY 1999/2000 with balance re-budgeted each year.

BIOSOLIDS - POPLAR PLANTATION II

Facility Process Component
Biosolids

\$319,000
 Total Cost

Costs	PRIOR EXPENDITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Construction		319,000					319,000
TOTAL	0	319,000	0	0	0	0	319,000
FUNDING SOURCE							
Capital Reserve		319,000					319,000
TOTAL	0	319,000	0	0	0	0	319,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Biosolids - Poplar Plantation II

DESCRIPTION: An additional 130 acres – site preparation begins in 8/05; planting in 3/06.

JUSTIFICATION: Land already purchased and provides additional area adjacent to BMF for application of liquid and dewatered biosolids. Expansion of the BF provides MWMC with more flexibility and control of overall biosolids management program.

PROJECT DRIVER: Increased solids production at the E/S WPCF and currently storing an excess inventory of biosolids in the lagoons.

PROJECT TRIGGER: Biocycle Farm Phase 1 loading limits for liquid and dewatered biosolids are reached. Also, might accelerate if loss of cooperative farming land application sites.

TYPE OF PROJECT: 100% Performance

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$300,000

INFLATED PROJECT COST (FY 2005-06 Dollars): \$319,000

PHASING: Budgeted for FY 2005/06

BIOCYCLE FARM HOSE REELS

Facility Process Component
Biosolids

\$420,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Construction		420,000					420,000
TOTAL	0	420,000	0	0	0	0	420,000
FUNDING SOURCE							
Capital Reserve		420,000					420,000
TOTAL	0	420,000	0	0	0	0	420,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Biosolids - Biocycle Farm Hose Reels

DESCRIPTION: Purchase additional hose reels for liquid biosolids application on Phase I and Phase II

JUSTIFICATION: Improve liquid biosolids application

PROJECT DRIVER: Operational and efficiency improvements related to liquid biosolids application.

PROJECT TRIGGER: Biocycle Farm's ability to begin receiving liquid biosolids.

TYPE OF PROJECT: 100% Performance

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$395,000

INFLATED PROJECT COST (2005 Dollars): \$420,000

PHASING: Budgeted for FY 2005/06

BIOSOLIDS - POPLAR PLANTATION III

Facility Process Component
Biosolids

\$345,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06	2006-07	2007-08*	2008-09	2009-10	TOTAL
Construction				345,000	0		345,000
TOTAL	0	0	0	345,000		0	345,000
FUNDING SOURCE							
Capital Reserve				345,000			345,000
TOTAL	0	0	0	345,000	0	0	345,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Biosolids - Poplar Plantation III

DESCRIPTION: Final 120 acres of the Biocycle Farm - site preparation begins in August, 2007; planting in March, 2008.

JUSTIFICATION: Land already purchased and provides additional area adjacent to BMF for application of liquid and dewatered biosolids. Expansion of the Biocycle Farm provides MWMC with more flexibility and control of overall biosolids management program.

PROJECT DRIVER: Increased solids production at the E/S WPCF and currently storing an excess inventory of biosolids in the lagoons.

PROJECT TRIGGER: Biocycle Farm Phase 1 and 2 loading limits for liquid and dewatered biosolids are reached. Also, might accelerate if loss of cooperative farming land application sites occur.

TYPE OF PROJECT: 100% Performance

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$300,000

INFLATED PROJECT COST (FY 2007-08 Dollars): \$345,000

PHASING: Budgeted for FY 2007/08

BIOSOLIDS - LINE LAGOONS I

Facility Process Component
Biosolids

\$1,858,000
Total Cost

Costs	PRIOR EXPEND-ITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Construction		1,858,000					1,858,000
TOTAL	0	1,858,000	0	0	0	0	1,858,000
FUNDING SOURCE							
Capital Reserve		1,508,000					1,508,000
SDC Reimbursement Reserve		350,000					350,000
TOTAL	0	1,858,000	0	0	0	0	1,858,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Biosolids - Line lagoons I

DESCRIPTION: Reline lagoons, Phase 1 - from existing MPMC CIP.

JUSTIFICATION: Testing has indicated that the lagoons may be leaking.

PROJECT DRIVER: Regulatory requirements and maintaining operational reliability.

PROJECT TRIGGER: Identification of temporary storage location for contents of lagoon and installation of temporary equipment required to transfer lagoon contents.

TYPE OF PROJECT: 100% Rehabilitation

ESTIMATED PROJECT COST (FY 2004-5 Dollars): \$1,200,000

INFLATED PROJECT COST (FY 2005-06 Dollars): \$1,858,000

PHASING: Budgeted for FY 2005/06

BIOSOLIDS - LINE LAGOONS II

Facility Process Component
Biosolids

\$1,350,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06	2006-07	2007-08	2008-09*	2009-10	TOTAL
Construction					1,350,000		1,350,000
TOTAL	0	0	0	0	1,350,000	0	1,350,000
FUNDING SOURCE							
Capital Reserve					1,200,000		1,200,000
SDC Reimbursement Reserve					150,000		150,000
TOTAL	0	0	0	0	1,350,000	0	1,350,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Biosolids - Line Lagoons II

DESCRIPTION: Reline lagoons, Phase 2 -- from existing MWMC CIP.

JUSTIFICATION: Testing has indicated that the lagoons may be leaking.

PROJECT DRIVER: Regulatory requirements and maintaining operational reliability.

PROJECT TRIGGER: Identification of temporary storage location for contents of lagoon and installation of temporary equipment required to transfer lagoon contents.

TYPE OF PROJECT: 100% Rehabilitation

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$1,100,000

INFLATED PROJECT COST (FY 2008-09 Dollars): \$1,350,000

PHASING: Budgeted for FY 2008/09

LAB MODIFICATION

Facility Process Component
Support Facilities

\$1,473,004
 Total Cost

Costs	PRIOR EXPENDITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Construction	1,323,004	150,000					1,473,004
TOTAL	1,323,004	150,000	0	0	0	0	1,473,004
FUNDING SOURCE							
Capital Reserve	50,000						50,000
SDC Reimbursement Reserve	1,273,004	150,000					1,423,004
TOTAL	1,323,004	150,000	0	0	0	0	1,473,004

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Laboratory Modifications

DESCRIPTION: Remodel and expand laboratory at the Eugene-Springfield Water Pollution Control Facility (WPCF).

JUSTIFICATION: Address functional improvements and space needs to meet rigorous environmental standards.

PROJECT DRIVER: Regulatory requirements

PROJECT TRIGGER:

TYPE OF PROJECT:

ESTIMATED PROJECT COST (2004 Dollars): Not calculated - originally budgeted in FY 97-98

INFLATED PROJECT COST (2005 Dollars): \$1,473,004

PHASING: Originally budgeted in FY 1997/98 with balance re-budgeted each year.

RIVER AVENUE IMPROVEMENTS

Facility Process Component
Support Facilities

\$351,000
 Total Cost

Costs	PRIOR EXPENDITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Construction		351,000					351,000
TOTAL	0	351,000	0	0	0	0	351,000
FUNDING SOURCE							
Capital Reserve		351,000					351,000
TOTAL	0	351,000	0	0	0	0	351,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: River Avenue Improvements

DESCRIPTION: Construct road improvements

JUSTIFICATION:

PROJECT DRIVER: River Avenue is not built to City of Eugene standards.

PROJECT TRIGGER: N/A

TYPE OF PROJECT: 100% Rehabilitation

ESTIMATED PROJECT COST (2004 Dollars): \$330,000

INFLATED PROJECT COST (2005 Dollars): \$351,000

PHASING: Budgeted for FY 2005/06

WET WEATHER FLOW MANAGEMENT PLAN UPDATE

Facility Process Component
Peak Flow Management

\$266,000
Total Cost

Costs		PRIOR EXPENDITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Other			266,000					266,000
	TOTAL	0	266,000	0	0	0	0	266,000
FUNDING SOURCE								
Capital Reserve			266,000					266,000
	TOTAL	0	266,000	0	0	0	0	266,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: WWFMP Update

DESCRIPTION: Evaluate collection system flow monitoring data collected since the original WWFMP was finalized in 2000, update and run collection system model. And confirm (revise) convey and treat approach.

JUSTIFICATION: Ongoing monitoring data might impact I/I reduction priorities.

PROJECT DRIVER: Ongoing goal to find the most cost effective means of reducing I/I.

PROJECT TRIGGER: Once sufficient monitoring data is available.

TYPE OF PROJECT: 100% Performance

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$250,000

INFLATED PROJECT COST (FY 2005-06 Dollars): \$266,000

PHASING: Budgeted for FY 2005/06

SUPPORT PRIVATE LATERAL PROGRAM

Facility Process Component
Peak Flow Management

\$266,000
Total Cost

Costs	PRIOR EXPEND-ITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Other		266,000					266,000
TOTAL	0	266,000	0	0	0	0	266,000
FUNDING SOURCE							
Capital Reserve		266,000					266,000
TOTAL	0	266,000	0	0	0	0	266,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Support Private Lateral Program

DESCRIPTION: MWMC incentive money.

JUSTIFICATION: Private lateral program would facilitate a more comprehensive I/I reduction program.

PROJECT DRIVER: Ongoing goal to find the most cost effective means of reducing I/I.

PROJECT TRIGGER: Consensus with Cities to proceed with program.

TYPE OF PROJECT: 100% Rehabilitation

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$250,000

INFLATED PROJECT COST (FY 2005-06 Dollars): \$266,000

PHASING: Budgeted for FY 2005/06

WILLAKENZIE PUMP STATION EXPANSION

Facility Process Component
Collection System Pump Stations

\$6,377,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Construction		6,377,000					6,377,000
TOTAL	0	6,377,000	0	0	0	0	6,377,000
FUNDING SOURCE							
Capital Reserve		4,177,000					4,177,000
SDC Reimbursement Reserve		1,200,000					1,200,000
SDC Improvement Reserve		1,000,000					1,000,000
TOTAL	0	6,377,000	0	0	0	0	6,377,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Willakenzie Pump Station Expansion

DESCRIPTION: Add four, 14-mgd pumps to increase capacity from 80 to 135 mgd.

JUSTIFICATION: Additional pumping capacity is required to increase total influent pumping capacity to 277 mgd.

PROJECT DRIVER: Systematic elimination of sanitary sewer overflows by the year 2010.

PROJECT TRIGGER: Collection system computer model estimates the current wet weather peak flow to plant to be 264 mgd. Overall existing peak flow capacity is 175 mgd so there is already a capacity deficit.

TYPE OF PROJECT: 100% Capacity

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$6,000,000

INFLATED PROJECT COST (FY 2006-07 Dollars): \$6,377,000

PHASING: Budgeted for FY 2005/06

INFLUENT PUMPING IMPROVEMENTS

Facility Process Component
Preliminary Treatment

\$1,807,000
 Total Cost

Costs	PRIOR EXPENDITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Construction		1,807,000					1,807,000
TOTAL	0	1,807,000		0	0	0	1,807,000
FUNDING SOURCE							
Capital Reserve		1,807,000					1,807,000
TOTAL	0	1,807,000	0	0	0	0	1,807,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Influent Pumping Improvements

DESCRIPTION: Add 5th pump to increase capacity from 84 to 99 mgd.

JUSTIFICATION: New pump is required to increase total influent pumping capacity to 277 mgd.

PROJECT DRIVER: Systematic elimination of sanitary sewer overflows by the year 2010.

PROJECT TRIGGER: Collection system computer model estimates the current wet weather peak flow to plant to be 264 mgd. Overall existing peak flow capacity is 175 mgd so there is already a capacity deficit.

TYPE OF PROJECT: 100% Capacity

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$1,700,000

INFLATED PROJECT COST (FY 2005-06 Dollars): \$1,807,000

PHASING: Budgeted for FY 2005/06

DRY WEATHER HEADWORKS

**Facility Process Component
Preliminary Treatment**

\$14,715,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06	2006-07*	2007-08	2008-09	2009-10	TOTAL
Design & Engineering			2,200,000				2,200,000
Construction				12,515,000			12,515,000
TOTAL	0	0	2,200,000	12,515,000		0	14,715,000
FUNDING SOURCE							
Capital Reserve			2,000,000	11,095,000			13,095,000
SDC Reimbursement Reserve			200,000	200,000			400,000
SDC Improvement Reserve				1,220,000			1,220,000
TOTAL	0	0	2,200,000	12,515,000	0	0	14,715,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Dry Weather Headworks

DESCRIPTION: Expand headworks so that all of the 2025 wet weather peak flow receives preliminary treatment.

JUSTIFICATION: New dry weather headworks that will be used in conjunction with the existing headworks (which will then be used for peak flow events) to provide preliminary treatment for a total peak wet weather flow of 277 mgd.

PROJECT DRIVER: Increases in peak wet weather flows resulting from the elimination of sanitary sewer overflows.

PROJECT TRIGGER: Peak wet weather flows in excess of 210 mgd.

TYPE OF PROJECT: 100% Capacity

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$12,800,000

INFLATED PROJECT COST (FY 2007-08 Dollars): \$14,715,000

PHASING: Budgeted for design in FY 2007/08 and construction in FY 2008/09

PRIMARY CLARIFIER ENHANCEMENTS

Facility Process Component
Primary Treatment

\$1,320,000
 Total Cost

Costs	PRIOR EXPENDITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Design & Engineering	100,000						100,000
Construction		1,220,000					1,220,000
TOTAL	100,000	1,220,000	0	0	0	0	1,320,000
FUNDING SOURCE							
Capital Reserve	100,000	1,220,000					1,320,000
TOTAL	100,000	1,220,000	0	0	0	0	1,320,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Primary Clarifier Enhancements

DESCRIPTION: Baffling of primary clarifiers and remove hydraulic restrictions.

JUSTIFICATION: Enhancing the existing clarifiers will increase primary treatment capacity and will maximize the facilities investment in existing infrastructure.

PROJECT DRIVER: Increase capacity to treat base and peak flows and improve effluent quality and reliability so that a blended primary and secondary effluent can meet the current NPDES total suspended solids limits.

PROJECT TRIGGER: Primary clarifier surface overflow rates exceeding 1500 gpd/sf, or total plant influent flows exceeding 86 mgd. Hydraulic restrictions removed when peak wet weather flows exceed 200 mgd.

TYPE OF PROJECT: 100% Capacity

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$1,200,000

INFLATED PROJECT COST (FY 2005-06 Dollars): \$1,320,000

PHASING: Originally budgeted for FY 2004/05 and unspent amount carried forward

PRIMARY SLUDGE THICKENING

Facility Process Component
Primary Treatment

\$4,139,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06	2006-07	2007-08*	2008-09	2009-10	TOTAL
Construction				4,139,000			4,139,000
TOTAL	0	0	0	4,139,000		0	4,139,000
FUNDING SOURCE							
Capital Reserve				3,639,000			3,639,000
SDC Improvement Reserve				500,000			500,000
TOTAL	0	0	0	4,139,000	0	0	4,139,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

- PROJECT:** Primary Sludge Thickening Outside of Clarifiers
- DESCRIPTION:** Thin primary sludge pumping and piping systems to gravity thickeners, two, 50' foot diameter gravity thickeners (covered for odor control), supernatant overflow pumping and piping, thickened sludge piping/pumping to digesters. See Odorous Air Treatment for treatment of odors.
- JUSTIFICATION:** One of the projects that increases capacity of existing primary clarifiers from approximately 103 mgd to 165 mgd.
- PROJECT DRIVER:** All peak wet weather flows must receive primary treatment prior to diversion and effluent blending to meet the current NPDES permit for total suspended solids.
- PROJECT TRIGGER:** Primary clarifier surface overflow rates exceeding 1800 gpd/sf. Sustained wet weather flows through the primaries in excess of 103 mgd after baffling improvements are made.
- TYPE OF PROJECT:** 100% Capacity
- ESTIMATED PROJECT COST (FY 2004-05 Dollars):** \$3,600,000
- INFLATED PROJECT COST (FY 2007-08 Dollars):** \$4,139,000
- PHASING:** Budgeted for FY 2007/08

DIGESTER MIXING IMPROVEMENTS

Facility Process Component
Secondary Treatment

\$2,167,000
 Total Cost

Costs	PRIOR EXPEND-ITURES	2005-06	2006-07*	2007-08	2008-09	2009-10	TOTAL
Design & Engineering	150,000	50,000					200,000
Construction		1,967,000					1,967,000
TOTAL	150,000	2,017,000	0	0	0	0	2,167,000
FUNDING SOURCE							
Capital Reserve	150,000	2,017,000					2,167,000
TOTAL	150,000	2,017,000	0	0	0	0	2,167,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

- PROJECT:** Digester Mixing Improvements Design and Construction
- DESCRIPTION:** Replace existing gas mixing system with a pump mixing system.
- JUSTIFICATION:** This project will increase the active volume of the digesters, thus allowing for additional solids stabilization volume and potentially deferring the need to construct an additional digester.
- PROJECT DRIVER:** Need for improved digester mixing to increase active digester volume.
- PROJECT TRIGGER:** Sludge residence time (SRT) and volatile solids reduction design criteria.
- TYPE OF PROJECT:** 50% Capacity; 50% Performance
- ESTIMATED PROJECT COST (FY 2004-05 Dollars):** \$2,000,000
- INFLATED PROJECT COST (FY 2005-06 Dollars):** \$2,167,000
- PHASING:** Design budgeted for FY 2004/05
 Construction budgeted for FY 2005/06

WASTE ACTIVATED SLUDGE THICKENING

Facility Process Component
Secondary Treatment

\$2,657,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Construction		2,657,000					2,657,000
TOTAL	0	2,657,000	0	0	0	0	2,657,000
FUNDING SOURCE							
Capital Reserve		2,157,000					2,157,000
SDC Reimbursement Reserve		200,000					200,000
SDC Improvement Reserve		300,000					300,000
TOTAL	0	2,657,000	0	0	0	0	2,657,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Third Gravity Belt Thickener

DESCRIPTION: Third gravity belt thickener (GBT) with associated at grade building. Assumes additional basement floor space is not required.

JUSTIFICATION: Provides additional capacity for WAS thickening and potentially delays the construction of additional digesters.

PROJECT DRIVER: Additional capacity to provide WAS thickening with one unit offline at WWMW upper limit flow projections. Nitrification required by the NPDES permit and increasing wastewater flows and loads generates more WAS solids. Provide ability to conduct recuperative thickening so that need for additional digestion volume can potentially be deferred.

PROJECT TRIGGER: Exceeding solids and hydraulic loading rate design criteria.

TYPE OF PROJECT: 100% Capacity

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$2,500,000

INFLATED PROJECT COST (2005 Dollars): \$2,657,000

PHASING: Budgeted for FY 2005/06

ODOROUS AIR TREATMENT I

Facility Process Component
Odor Control

\$2,445,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Construction		2,445,000					2,445,000
TOTAL	0	2,445,000	0	0	0	0	2,445,000
FUNDING SOURCE							
Capital Reserve		2,295,000					2,295,000
SDC Improvement Reserve		150,000					150,000
TOTAL	0	2,445,000	0	0	0	0	2,445,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

- PROJECT:** Odorous Air Treatment – I
- DESCRIPTION:** Two 14-foot diameter, 30 foot tall biotower for air collected from two primary clarifier centerwells and launders and new sludge building addition.
- JUSTIFICATION:** Primary clarifier weirs and launders are odor sources. The new sludge building addition is also an odor source.
- PROJECT DRIVER:** Maintain MWMC's status as environmental stewards. Address neighborhood odor complaints and community concerns regarding odors.
- PROJECT TRIGGER:** Construction of GBT expansion provides opportunity to capture odors at the GBT and primary clarifiers.
- TYPE OF PROJECT:** 100% Performance
- ESTIMATED PROJECT COST (FY 2004-05 Dollars):** \$2,300,000
- INFLATED PROJECT COST (2006 Dollars):** \$2,445,000
- PHASING:** Budgeted for FY 2005/06

ODOROUS AIR TREATMENT II

Facility Process Component
Odor Control

\$2,750,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06	2006-07	2007-08	2008-09*	2009-10	TOTAL
Construction					2,750,000		2,750,000
TOTAL	0	0	0	0	2,750,000	0	2,750,000
FUNDING SOURCE							
Capital Reserve					2,750,000		2,750,000
TOTAL	0	0	0	0	2,750,000	0	2,750,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Odorous Air Treatment II

DESCRIPTION: Two 14-foot diameter, 30 foot tall biotowers for air collected from two primary clarifier centerwells and launders and new gravity thickener.

JUSTIFICATION: Primary clarifier weirs and launders as well as gravity thickeners are odor sources.

PROJECT DRIVER: Maintain MWMC's status as environmental stewards. Address neighborhood odor complaints and community concerns regarding odors.

PROJECT TRIGGER: Construction of gravity thickeners.

TYPE OF PROJECT: 100% Performance

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$2,300,000

INFLATED PROJECT COST (FY 2008-09 Dollars): \$2,750,000

PHASING: Budgeted for FY 2008/09

SOUTH AERATION BASIN IMPROVEMENTS

Facility Process Component
Secondary Treatment

\$7,603,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Design & Engineering	100,000	590,000					690,000
Construction		6,913,000					6,913,000
TOTAL	100,000	7,503,000	0	0	0	0	7,603,000
FUNDING SOURCE							
Capital Reserve	100,000	6,103,000					6,203,000
SDC Improvement Reserve		1,400,000					1,400,000
TOTAL	100,000	7,503,000	0	0	0	0	7,603,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: South Aeration Basin Improvements Design and Construction

DESCRIPTION: Add step feed, anoxic selectors, and fine bubble diffusers to south aeration basin. Remove hydraulic restrictions in both south and north aeration basins (effluent gates). Includes future primary effluent flow control gates for both north and south aeration basins.

JUSTIFICATION: Increase the dry weather aeration basin treatment capacity to 65 mgd with respect to ammonia (i.e., with nitrification) and increase the sustained (i.e., on a weekly basis) wet weather treatment capacity to 130 mgd.

PROJECT DRIVER: NPDES permit includes ammonia limit requiring nitrification in dry weather and expansion of wet weather capacity to treat wet weather flows to meet NPDES monthly and weekly suspended solids limits.

PROJECT TRIGGER: Maximum month dry weather flow of 25 mgd requiring nitrification. May flows and temperatures could require the use of the south aeration basins in conjunction with the north aeration basins. Peak wet weather flows above 103 mgd require hydraulic modifications.

TYPE OF PROJECT: 50% Capacity; 50% Performance

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$6,900,000

INFLATED PROJECT COST (FY 2005-06 Dollars): \$7,603,000

PHASING: Budgeted for FY 2004/05, Rebudgeted for FY 2005/06

PARALLEL PRIMARY/SECONDARY TREATMENT

Facility Process Component
Peak Flow Management

\$13,152,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06	2006-07	2007-08*	2008-09	2009-10	TOTAL
Design & Engineering				1,500,000			1,500,000
Construction					11,652,000		11,652,000
TOTAL	0	0	0	1,500,000	11,652,000	0	13,152,000
FUNDING SOURCE							
Capital Reserve				1,500,000	11,352,000		12,852,000
SDC Improvement Reserve					300,000		300,000
TOTAL	0	0	0	1,500,000	11,652,000	0	13,152,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Parallel Primary/Secondary Treatment

DESCRIPTION: Piping, pumping, and flow split boxes to enable primary and secondary treatment to be operated in parallel.

JUSTIFICATION: This project expands the peak wet weather treatment capacity to 277 mgd through flow management techniques.

PROJECT DRIVER: DEQ requirement that the peak wet weather flow (5-year, 24-hour rain event) be treated by the E/S WPCF and meet secondary effluent standards (diverted blended flow receives equivalent of primary treatment).

PROJECT TRIGGER: Elimination of sanitary sewer overflows by the year 2010.

TYPE OF PROJECT: 100% Capacity

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$11,000,000

INFLATED PROJECT COST (FY 2008-09 Dollars): \$13,152,000

PHASING: Design budgeted for FY 2007/08
Construction budgeted for FY 2008/09

SECONDARY CLARIFIER ENHANCEMENTS

Facility Process Component
Secondary Treatment

\$5,841,000
 Total Cost

Costs	PRIOR EXPENDITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Design & Engineering	100,000	420,000					520,000
Construction		5,321,000					5,321,000
TOTAL	100,000	5,741,000	0	0	0	0	5,841,000
FUNDING SOURCE							
Capital Reserve	100,000	4,316,000					4,416,000
SDC Reimbursement Reserve		1,425,000					1,425,000
TOTAL	100,000	5,741,000	0	0	0	0	5,841,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

- PROJECT:** Secondary Clarifier Enhancements Design and Construction
- DESCRIPTION:** Baffle, add inlet energy dissipation, change out flocculation well, construct outboard launder, and retrofit suction header for existing 8 clarifiers.
- JUSTIFICATION:** Enhancing the existing clarifiers will increase the secondary treatment capacity, alleviate current operational problems, and will maximize the facilities investment in existing infrastructure.
- PROJECT DRIVER:** Increase capacity of secondary treatment for base flows and for peak flows. Improve effluent quality and performance reliability to meet the current NPDES total suspended
- PROJECT TRIGGER:** Average secondary clarifier surface overflow rates exceeding 750 gpd/sf or wet season maximum month flows exceeding 80 mgd.
- TYPE OF PROJECT:** 50% Capacity; 50% Performance
- ESTIMATED PROJECT COST (FY 2004-05 Dollars):** \$5,300,000
- INFLATED PROJECT COST (FY 2005-06 Dollars):** \$5,841,000
- PHASING:** Design budgeted for FY 2004/05; Rebudgeted for FY 2005/06
 Construction budgeted for FY 2005/06

NINTH AND TENTH SECONDARY CLARIFIERS

Facility Process Component
Secondary Treatment

\$6,964,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Design & Engineering		1,004,000					1,004,000
Construction			5,960,000				5,960,000
TOTAL	0	1,004,000	5,960,000	0	0	0	6,964,000
FUNDING SOURCE							
Capital Reserve		1,004,000	3,960,000				4,964,000
SDC Reimbursement Reserve			100,000				100,000
SDC Improvement Reserve			1,900,000	0			1,900,000
TOTAL	0	1,004,000	5,960,000	0	0	0	6,964,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

- PROJECT:** Ninth and tenth secondary clarifiers
- DESCRIPTION:** This project adds two new 130-ft concrete secondary clarifiers.
- JUSTIFICATION:** The project provides additional secondary treatment and peak flow management capacity.
- PROJECT DRIVER:** This project expands the wet weather base capacity (maximum month and maximum week conditions). DEQ requirement that the peak wet weather flow (5-year, 24-hour rain event) be treated by the E/S WPCF by the year 2010; need to increase the sustained secondary capacity from approximately 100 mgd to 160 mgd.
- PROJECT TRIGGER:** Wet-season flows through secondary treatment exceeding 134 mgd.
- TYPE OF PROJECT:** 100% Capacity
- ESTIMATED PROJECT COST (FY 2004-05 Dollars):** \$6,300,000
- INFLATED PROJECT COST (FY 2005-06 Dollars):** \$6,964,000
- PHASING:** Design budgeted for FY 2005/06
Construction budgeted for FY 2006/07

SODIUM HYPOCHLORITE CONVERSION

Facility Process Component
Disinfection/Outfall

\$4,713,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06	2006-07	2007-08*	2008-09	2009-10	TOTAL
Construction				4,713,000			4,713,000
TOTAL	0	0	0	4,713,000	0	0	4,713,000
FUNDING SOURCE							
Capital Reserve				4,713,000			4,713,000
TOTAL	0	0	0	4,713,000	0	0	4,713,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Sodium Hypochlorite Conversion

DESCRIPTION: Convert existing chlorine gas system to sodium hypochlorite for the base flow. Retain the existing chlorine contact basins. Install system with capability for high rate disinfection of PE diversion assuming high dosages of chlorine into a 72-inch pipe and small chlorine contact basin.

JUSTIFICATION: Liquid sodium hypochlorite and sodium bisulfite system will replace the existing chlorine sulfur dioxide gas systems and increase the disinfection capacity from 175 mgd to 277 mgd.

PROJECT DRIVER: Operator and community safety issues.

PROJECT TRIGGER: Phasing with other related projects.

TYPE OF PROJECT: 50% Capacity; 50% Performance

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$4,100,000

INFLATED PROJECT COST (FY 2007-08 Dollars): \$4,713,000

PHASING: Budgeted for FY 2007/08

TERTIARY FILTRATION I

Facility Process Component
Tertiary Filters

\$12,076,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06	2006-07	2007-08	2008-09*	2009-10	TOTAL
Construction					12,076,000		12,076,000
TOTAL	0	0	0	0	12,076,000	0	12,076,000
FUNDING SOURCE							
Capital Reserve				0	10,676,000	0	10,676,000
SDC Improvement Reserve				0	1,400,000	0	1,400,000
TOTAL	0	0	0	0	12,076,000	0	12,076,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Tertiary Filtration Design and Construction

DESCRIPTION: Filtration: includes infrastructure/support facilities for 30 mgd of filters; install filter cells sufficient for only 10 mgd.

JUSTIFICATION: An estimated 30 mgd of filters is required by 2010 to meet dry season mass limits. Facility Plan proposes phasing filters in sooner to facilitate development of Level 3 and Level 4 reuse. Provides high quality secondary effluent and potential level 4 reuse water. Also, needed to assist with meeting wet season mass load requirements during peak flow events (under all peak flow management alternatives).

PROJECT DRIVER: Performance reliability to meet the dry weather NPDES total suspended solids limits of less than 10 mg/L, reuse development, and compliance with peak flow management.

PROJECT TRIGGER: NPDES permit compliance for TSS: Dry weather maximum month flow in excess of 49 mgd. Also, initially to provide higher quality effluent so that reuse can be developed.

TYPE OF PROJECT: 25% Capacity; 75% Performance

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$10,100,000

INFLATED PROJECT COST (Inflated Dollars - Multi-year): \$12,076,000

PHASING: Budgeted for FY 2008/09

EFFLUENT REUSE I

Facility Process Component
Reuse Facilities

\$2,764,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06	2006-07*	2007-08	2008-09	2009-10	TOTAL
Construction			2,764,000				2,764,000
TOTAL	0	0	2,764,000	0	0	0	2,764,000
FUNDING SOURCE							
Capital Reserve			2,764,000				2,764,000
TOTAL	0	0	2,764,000	0	0	0	2,764,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Effluent Reuse I

DESCRIPTION: Level 4 reuse system: Reuse disinfection, pumping, pipeline, and distribution/irrigation system 2.5 mgd.

JUSTIFICATION: Implements Level 4 reuse so that thermal load is removed from the Willamette River.

PROJECT DRIVER: Expansion of dry weather effluent reuse programs. Current NPDES thermal load compliance.

PROJECT TRIGGER: Potential exceedance of NPDES thermal load limit. Identification of dry weather water needs for potential clients.

TYPE OF PROJECT: 100% Performance

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$2,500,000

INFLATED PROJECT COST (FY 2006-07 Dollars): \$2,764,000

PHASING: Budgeted for FY 2006/07

EFFLUENT REUSE II

Facility Process Component
Reuse Facilities

\$4,476,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06	2006-07	2007-08	2008-09	2009-10*	TOTAL
Construction						4,476,000	4,476,000
TOTAL	0	0	0	0	0	4,476,000	4,476,000
FUNDING SOURCE							
Capital Reserve						4,476,000	4,476,000
TOTAL	0	0	0	0	0	4,476,000	4,476,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Level II Reuse at the Biocycle Farm

DESCRIPTION: Provide 1.5 mgd of level II reuse water at the Biocycle Farm. Installation of dedicated reuse irrigation pipeline and microspray system. Total reuse of 3.75 mgd in July and August.

JUSTIFICATION:

PROJECT DRIVER:

PROJECT TRIGGER:

TYPE OF PROJECT: 100% Performance

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$3,600,000

INFLATED PROJECT COST (FY 2009-10 Dollars): \$4,476,000

PHASING: Budgeted for FY 2009/10

OUTFALL MIXING ZONE STUDY

Facility Process Component
Disinfection/Outfall

\$172,000
Total Cost

Costs	PRIOR EXPEND-ITURES	2005-06	2006-07	2007-08*	2008-09	2009-10	TOTAL
Design & Engineering				172,000			172,000
TOTAL	0	0		172,000	0	0	172,000
FUNDING SOURCE							
Capital Reserve				172,000			172,000
TOTAL	0	0	0	172,000	0	0	172,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Outfall Mixing Zone Study

DESCRIPTION: Update the 1994 Mixing Zone Study to account for additional 100 mgd (approximate) bankside outfall capacity and for changes to the Willamette River morphology that may have occurred since the last study was conducted.

JUSTIFICATION:

PROJECT DRIVER: Current diffuser may be insufficient to accommodate peak wet weather flows.

PROJECT TRIGGER:

TYPE OF PROJECT: 100% Performance

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$150,000

INFLATED PROJECT COST (FY 2007-08 Dollars): \$172,000

PHASING: Budgeted for FY 2007/08

BANKSIDE OUTFALL

Facility Process Component
Disinfection/Outfall

\$1,662,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06	2006-07	2007-08	2008-09*	2009-10	TOTAL
Construction					1,662,000		1,662,000
TOTAL	0	0		0	1,662,000	0	1,662,000
FUNDING SOURCE							
Capital Reserve					1,662,000		1,662,000
TOTAL	0	0	0	0	1,662,000	0	1,662,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Bankside Outfall

DESCRIPTION: Bankside outfall to accommodate 117 mgd (277 mgd less 160 mgd which is the estimated capacity of the existing outfall system after secondary treatment modifications.

JUSTIFICATION: New bankside outfall is required to pass the peak wet weather flow to the river.

PROJECT DRIVER: After secondary treatment modifications are made, a maximum peak flow of 160 mgd can pass through the existing outfall box without submerging the secondary clarifier weirs.

PROJECT TRIGGER: Peak wet weather flows in excess of 160 mgd.

TYPE OF PROJECT: 100% Capacity

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$1,390,000

INFLATED PROJECT COST (FY 2007-08 Dollars): \$1,662,000

PHASING: Budgeted for FY 2008/09

CONSTRUCTION MANAGEMENT FACILITIES

Facility Process Component
Support Facilities

\$100,000
Total Cost

Costs	PRIOR EXPENDITURES	2005-06*	2006-07	2007-08	2008-09	2009-10	TOTAL
Construction	50,000	50,000					100,000
TOTAL	50,000	50,000	0	0	0	0	100,000
FUNDING SOURCE							
Capital Reserve	50,000	50,000					100,000
TOTAL	50,000	50,000	0	0	0	0	100,000

* Inflated from 2004 by 6.3% to FY05-06 dollars (Engineering News Record factor) and 4% thereafter

PROJECT: Construction Management Facilities

DESCRIPTION: Modular space at E/S WPCF for staff to manage CIP program.

JUSTIFICATION: Space needed for staff to manage the construction of the 5-Year CIP.

PROJECT DRIVER: Increased construction effort relative to previous 5 years.

PROJECT TRIGGER: Commence to implementing 5-year CIP.

TYPE OF PROJECT: 100% Performance

ESTIMATED PROJECT COST (FY 2004-05 Dollars): \$100,000

PHASING: Budgeted for FY 2004/05; Balance rebudgeted for FY 2005/06