

Environmental Services

This section includes all of the budgets in the Divisions of Environmental Services which are under the Department of Public Works and Utilities. Environmental Services includes Solid Waste Management, the Sewer Utility (Sewer Utility Fund, Sewer Utility Construction, Sewer Revenue Bonds, the Sewer Facility Restricted Reserve, Water Utility Fund, and the Drinking Water Supply Program presented under Special Projects in the Other Services and Programs section of the document) and Water Programs (Surface Water Management Fund and Real Estate Excise Tax - River Fund). The budget for the Chambers Bay Golf Course is also included in this section as the land is owned by the Sewer Utility and the Golf Course is a part of the reclamation program for that site.

Major Accomplishments in 2006

The **Sewer Utility Division** provides wastewater collections and treatment services to over 165,000 people in Pierce County with a capacity of 28.7 million gallons per day. The plant is expected to double its capacity to accommodate anticipated regional growth and to meet increasingly stringent water quality regulations. Plant expansion planning work is currently underway with to anticipate this growth including ultimate permitting and a pilot project of reclaimed water as a way to reduce wastewater discharged directly into the Puget Sound.

For 2006, the Division completed and met the goal of designing and advertising all of the projects planned to be awarded in the Capital Facilities Plan. Activities in the Development Permits Review section included a seminar last fall for consultant engineers, owners, and developers on the sewer utility design standards and procedures to help speed up the plan approval process.

One of the noteworthy accomplishments in 2006 is that the Sewer Utility dedicated the fertilizer Manufacturing Facility. The Fertilizer Manufacturing Facility produces "SoundGRO" an organic fertilizer manufactured from biosolids.

The **Chambers Creek Properties** is comprised of over 930 acres including two miles of Puget Sound shoreline and more than two-and-a-half miles of forested canyon. The update of the award-winning Chambers Creek Properties Master Site Plan included an extensive public involvement process and was presented to the County Council in December and to the Lakewood City Council and University Place City Council. Also noteworthy is that construction was completed on the Chambers Bay Golf Course in 2006. Grow-in maintenance of the course was initiated and will continue until the planned opening in June 2007. Installation of the interim clubhouse will continue until June 2007.

Water Programs provides resources to plan, manage, and maintain the storm drainage and surface water runoff systems within unincorporated Pierce County drainage basin areas. The Division also helps to maintain water quality by preventing siltation and erosion of the County's waterways, protect water quality of lakes and aquifers, protect water quality for wildlife and fish habitat, and help minimize property loss from water damage.

In 2006, the Division met its goal to advertise and award 7 construction projects including completing the multi-year Soldier's Home Setback project which consisted of 1 mile of new levee along the Puyallup River. The project was completed just days before the Election Day flood and is credited with preventing major flooding in the town of Orting. During the Election Day flood, more than 9000' of the County's levee system was damaged or destroyed. Emergency repairs or partial reconstruction are still underway at an accelerated rate to reduce the risk of further flooding.

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The Division was given national recognition this year, receiving both first and third place awards from the National Association of Flood & Storm water Management Agencies (NAFSMA) for two public outreach

Environmental Services

initiatives. The Division also met its goals to submit the annual NPDES storm water report and mosquito report to the Department of Ecology and get approval and adoption through the Pierce County Council of three basin plans.

The National Association of Counties awarded the **Solid Waste Division** an Achievement Award for the outreach program associated with the launch of the Single-Cart Recycling Program. The Division sustained early outreach efforts through the launch and the first 18 months of the program and the results have been outstanding. Overall recycling tonnage is up 70% and paper recycling tonnage is up 82%. The value of recyclable commodities collected at the curb is up an amazing 364% since the program launch.

DEPARTMENT BUDGETS				
Department Name	2006 Budget	2007 Budget	Absolute Change	Percent Change
Chambers Bay Golf Course Fund	\$ 15,993,950	\$ 5,268,820	\$(10,725,130)	(67.1) %
Real Estate Excise Tax - River Fund	5,981,820	4,108,470	(1,873,350)	(31.3)
Sewer Facility Restricted Reserve Fund	11,065,200	13,561,000	2,495,800	22.6
Sewer Revenue Bond Funds	5,671,730	5,615,240	(56,490)	(1.0)
Sewer Utility Construction Funds	27,732,290	23,636,500	(4,095,790)	(14.8)
Sewer Utility Fund	48,984,330	48,611,360	(372,970)	(0.8)
Solid Waste Management Fund	4,971,130	5,483,470	512,340	10.3
Surface Water Management Fund	25,917,630	26,265,850	348,220	1.3
Water Utility Fund	304,170	312,900	8,730	2.9
Total Environmental Services	\$ 146,622,250	\$ 132,863,610	\$(13,758,640)	(9.4) %

Chambers Bay Golf Course Fund

Enterprise Fund

Departmental Summary:

The Chambers Bay Properties Golf Course is a project within the Chambers Creek Master Site Plan that was adopted by the County Council in 1997. The Chambers Creek Properties consist of over 950 acres located within the City of University Place adjacent to the County’s wastewater treatment plant. The purpose of the Chambers Bay Golf Course fund is to develop an 18-hole championship flight golf course that maximizes the site potential, enhances the County’s economic development effort, provides an environmental showcase, and generates revenue for both the course operations and other recreational features.

Limited Tax General Obligation Bonds, 1992 – The \$20,770,000 Chambers Bay Golf Course general obligation bonds are serial bonds through 2030 due in annual installments ranging from \$370,000 to \$995,000, plus interest of 3% to 4.375%. The 2035 bonds are term bonds in the amount of \$5,685,000 with an interest rate of 4.5% having mandatory calls beginning in 2031 ranging from \$1,040,000 to \$1,240,000. The final maturity date is 2035. Financing is provided from the net revenues of the golf course, net revenues of the sewer utility, and/or the general fund. Bonds maturing on or after December 1, 2016 are callable beginning December 1, 2015 or any scheduled interest payment date thereafter. The outstanding bond balance on December 31, 2006 is \$20,770,000.

Budget Highlights:

The 2007 Chambers Bay Golf Course budget reflects the following activities and expenses based upon a projected course opening at the end of June:

Club House Construction	\$661,000
Bond Debt Service	859,560
Grow In and Start-up Expenses	1,732,110
Course Operating Expenses.....	1,728,480
Depreciation and Amortization	<u>287,670</u>
	\$5,268,820

This Budget will be financed through the following sources:

Bond Proceeds.....	\$1,411,930
Interfund Loan (Sewer Utility).....	1,425,000
Golf Course Revenues	<u>2,431,890</u>
	\$5,268,820

FUNDING SOURCES						
	2004	2005	2006	2007	Absolute	Percent
	Actual	Actual	Budget	Budget	Change	Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 15,548,950	\$ 1,411,930	\$(14,137,020)	(90.9) %
Charges for Services	—	—	—	2,431,890	2,431,890	∞
Other Financing Sources	—	—	445,000	1,425,000	980,000	220.2
Total	\$ —	\$ —	\$ 15,993,950	\$ 5,268,820	\$(10,725,130)	(67.1) %

Chambers Bay Golf Course Fund

EXPENDITURES							
	2004	2005	2006	2007	Absolute	Percent	
	Actual	Actual	Budget	Budget	Change	Change	
Salaries & Wages	\$ 83,278	\$ 76,657	\$ 69,610	\$ 51,100	\$ (18,510)	(26.6)	%
Personnel Benefits	16,764	34,534	16,010	13,070	(2,940)	(18.4)	
Supplies	155	1,044	1,000	1,000	—	—	
Other Services & Charges	502,193	1,627,862	1,030,180	3,398,380	2,368,200	229.9	
Intergovernmental Services	—	—	—	88,310	88,310	∞	
Capital Outlays	—	2,720,048	14,015,090	811,000	(13,204,090)	(94.2)	
Interest	5,130	70,721	862,060	905,960	43,900	5.1	
Debt Regist Costs	—	254	—	—	—	—	
Total	\$ 607,520	\$ 4,531,120	\$ 15,993,950	\$ 5,268,820	\$ (10,725,130)	(67.1)	%

STAFFING SUMMARY						
	2002	2003	2004	2005	2006	2007
	FTE	FTE	FTE	FTE	FTE	FTE
Administrative Svcs Mgr	—	—	—	0.50	0.55	0.40
Planner	—	—	—	0.15	0.10	0.10
Special Asst to Dir PW&U	—	—	—	0.15	0.10	—
Total	—	—	—	0.80	0.75	0.50

Real Estate Excise Tax – River Fund

Special Revenue Fund

The mission of the Water Programs Division is to be a responsive service organization that efficiently addresses flood control, water quality, and the preservation of natural drainage systems.

Departmental Summary:

The revenue for this fund is derived from a portion (currently 25%) of the first one-quarter of one percent tax imposed on the sale of real property situated in the unincorporated areas of Pierce County. The monies are used for river improvement capital projects as identified in the Puyallup River Basin Comprehensive Flood Control Management Plan.

Budget Highlights:

The 2007 R.E.E.T. - River budget is 31% below the 2006 amount because the Setback Levee project near the Soldiers Home in Orting was budgeted and will be completed in 2006. The 2007 budget includes flood plain land purchases, necessary studies, support costs, and a \$1 million allocation for a possible setback levee on the White River.

FUNDING SOURCES

	2004 Actual	2005 Actual	2006 Budget	2007 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 958,720	\$ 1,505,470	\$ 546,750	57.0 %
Taxes	1,886,722	2,381,068	1,500,000	1,800,000	300,000	20.0
Intergovernmental Revenue	73,904	68,101	1,210,600	649,000	(561,600)	(46.4)
Miscellaneous Revenue	—	10,400	2,312,500	4,000	(2,308,500)	(99.8)
Other Financing Sources	—	—	—	150,000	150,000	∞
Total	\$ 1,960,626	\$ 2,459,569	\$ 5,981,820	\$ 4,108,470	\$ (1,873,350)	(31.3)

PROGRAM EXPENDITURES

	2006 FTE	2007 FTE	2006 Budget	2007 Budget	Absolute Change	Percent Change
Administration & Tech Support	1.39	1.51	\$ 877,820	\$ 1,749,470	\$ 871,650	99.3 %
Basin Plan & Land Acquisition	—	—	5,104,000	2,359,000	(2,745,000)	(53.8)
Total	1.39	1.51	\$ 5,981,820	\$ 4,108,470	\$ (1,873,350)	(31.3) %

STAFFING SUMMARY

	2002 FTE	2003 FTE	2004 FTE	2005 FTE	2006 FTE	2007 FTE
Water Programs Manager	0.10	0.10	0.10	0.05	0.05	0.05
Civil Engineer	0.92	1.05	0.94	0.90	0.75	0.90
Planner	—	—	—	—	0.03	—
Right of Way Agent	0.15	0.15	0.15	0.15	0.15	0.15
GIS Specialist	—	0.10	0.06	0.06	0.06	0.06
Accounting Assistant	0.30	0.30	0.30	0.30	0.25	0.25
Environmental Biologist	—	—	—	—	0.10	0.10
Administrative Svcs Mgr	0.05	0.05	0.05	0.03	—	—
Fiscal Services Manager	—	—	—	0.05	—	—
Supervisory Admin Asst	0.05	0.05	0.05	0.03	—	—
Admin Program Mgr	0.05	0.05	0.05	—	—	—
Deputy PW & Utilities Dir	0.01	—	0.01	—	—	—
Engineering Tech	0.15	0.10	—	—	—	—
Dir – Public Works & Util	0.01	—	—	—	—	—
Total	1.79	1.95	1.71	1.57	1.39	1.51

Sewer Revenue Bonds Fund

Enterprise Fund

Departmental Summary:

This fund is used to accumulate monies for repayment of the following bond issues:

Sewer Revenue Bonds, 2001 -- The \$18,495,000 sewer revenue bonds which were issued to provide sewer service to the Dupont area, are serial bonds due in annual installments ranging from \$915,000 to \$1,100,000 plus interest of 4.25% to 5.10%. Bonds maturing August 1, 2009 through August 1, 2012 are callable beginning August 1, 2002 or on any scheduled interest payment date thereafter from excess ULID assessment payments. Bonds maturing on or after August 1, 2012 are callable on August 1, 2011 or on any scheduled interest payment date thereafter. The bond balance on December 31, 2006 is \$13,920,000.

Limited Tax General Obligation Refunding Bonds, 2005 – The \$38,380,000 general obligation refunding bonds, which advance refunded \$760,000 of the Limited Tax General Obligation Bonds, 1997B, \$3,245,000 of the Limited Tax General Obligation Bonds, 1999, \$28,930,000 of the Limited Tax General Obligation Bonds, 2000, \$5,340,000 of the Sewer Revenue and Refunding Bonds, 1993, and \$900,000 of the Sewer Revenue and Refunding Bonds, 1997, are serial bonds due in annual installments ranging from \$515,000 to \$2,570,000 plus interest of 3.00% to 5.125%. Financing is provided from the General Fund regular tax levy for the limited tax general obligation bonds and from sewer assessments and rates for the sewer revenue bonds. The bonds maturing on or after August 1, 2016 are callable beginning August 1, 2015. The outstanding balance on December 31, 2006 is \$35,800,000; \$31,315,000 payable by the General Fund and \$4,485,000 payable by the Sewer Utility.

Sewer Revenue Bonds Fund

FINANCIAL SUMMARY

Bond Issue	2007 Revenue	2007 Expense
Sewer Revenue Bonds Accounts		
Operating Transfer from Sewer Assessment Account	\$ 1,471,110	\$ —
Operating Transfer from Sewer Revenue Bond Reserve Account	95,000	—
Principal	—	915,000
Interest and Amortization Expense	—	671,150
Use of Fund Balance	20,040	—
Subtotal	1,586,150	1,586,150
Limited Tax GO/Sewer Revenue Bond Accounts		
Operating Transfer from Sewer Assessment Account	1,212,800	—
Use of Fund Balance	37,380	—
Principal	—	1,035,000
Interest and Amortization Expense	—	215,180
Subtotal	1,250,180	1,250,180
Assessment Collection Account		
Assessments Principal Receivable	950,000	—
Interest and Penalties on Assessments	900,000	—
Investment Interest	100,000	—
Use of Fund Balance	733,910	—
Operating Transfer to Sewer Revenue Bond Account	—	1,471,110
Operating Transfer to LTGO Bond Account	—	1,212,800
Subtotal	2,683,910	2,683,910
Sewer Revenue Bond Reserve Account		
Investment Interest	65,820	—
Use of Fund Balance	29,180	—
Operating Transfer to Sewer Bond Account	—	95,000
Subtotal	95,000	95,000
Grand Total	\$ 5,615,240	\$ 5,615,240

Sewer Utility Fund

Enterprise Fund

The mission of the Sewer Utility is to provide customers with high quality, cost effective sanitary sewer services by collecting and treating all wastewater generated from County service areas in accordance with applicable Local, State and Federal permit requirements.

Departmental Summary:

The Sewer Utility Fund accounts for all activities involved with the collection and treatment of wastewater produced within unincorporated Pierce County. The fund is under the administration of the Public Works and Utilities Department. The system currently is comprised of a 24 million gallon a day secondary treatment plant located near the Chambers Creek entrance to Puget Sound, over 576 lineal miles of collection and transmission pipe, 80 major pumping stations, and over 900 minor pumping stations. The Sewer Utility's major service areas include University Place, Lakewood, Parkland, Spanaway, Frederickson, South Hill, Puyallup, Brown's Point, Midland, Milton, Dupont, and the lower Hylebos area of northern Pierce County. The department works with Steilacoom, Lakehaven Utility District, and Tacoma in the area of wastewater collection and treatment under different interlocal sewerage service agreements.

The fund's major activities revolve around the maintenance of the pumping stations, collection system, and the treatment plant facilities as well as the treatment of wastewater at the Chambers Creek Wastewater Treatment Plant. When required, the fund finances construction projects which benefit its customers. The fund derives its revenues predominately from customer user charges and development permit fees.

Budget Highlights:

The recommended 2007 Sewer Utility Fund budget is approximately equal to the current year and reflects the following items of note.

- a) An allocation of \$10.2 million for capital improvements (transferred to the Sewer Utility Construction Fund) versus \$13.6 million in 2006;
- b) nine new positions to effectively meet workload responsibilities in collection system maintenance, engineering and construction, development engineering and permit processing, and at the Chambers Bay properties;
- c) The use of \$7.2 million in fund balance (net of depreciation expense); and
- d) A proposed sewer rate increase of 7% (\$1,754,000).

Performance Measures

- 1) The five year (2003-2007) average cost per million gallons treated will increase by 3% or less over the previous (2002-2006) five year average (excluding depreciation). (Goals B, D, E, F, G, H, I) submittal and at least 95% of subsequent reviews will be accomplished within ten days. (Goals B, D, E, F, G, H, I)
- 2) At least 95% of first reviews will be completed within 15 calendar days after application

Sewer Utility Fund

FUNDING SOURCES

	2004 Actual	2005 Actual	2006 Budget	2007 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$21,207,250	\$18,666,480	\$ (2,540,770)	(12.0) %
Charges for Services	24,706,731	26,851,380	27,352,080	29,377,880	2,025,800	7.4
Miscellaneous Revenue	588,072	516,373	335,000	477,000	142,000	42.4
Contributed Capital	92,438	105,735	90,000	90,000	—	—
Other Financing Sources	22,254	(10,103)	—	—	—	—
Total	\$25,409,495	\$27,463,385	\$48,984,330	\$48,611,360	\$ (372,970)	(0.8) %

PROGRAM EXPENDITURES

	2006 FTE	2007 FTE	2006 Budget	2007 Budget	Absolute Change	Percent Change
Collection System Maintenance	39.00	43.00	\$ 5,203,060	\$ 6,228,600	\$ 1,025,540	19.7 %
Wastewater Treatment O & M	38.60	39.65	8,637,220	9,414,450	777,230	9.0
Admin, Engineering, & Planning	48.78	52.44	9,129,570	10,863,550	1,733,980	19.0
Depreciation/Depletion	—	—	11,383,940	11,470,880	86,940	0.8
Capital Projects and Equipment	—	—	14,630,540	10,633,880	(3,996,660)	(27.3)
Total	126.38	135.09	\$48,984,330	\$48,611,360	\$ (372,970)	(0.8) %

WORKING CAPITAL SUMMARY

	2006 Estimate	2007 Budget
Operating Revenues		
Charges for Services	\$ 27,306,628	\$ 29,377,880
Grant Reimbursements	—	—
Subtotal	27,306,628	29,377,880
Operating Expenses		
Administration and Planning	8,861,560	10,863,550
Collection Systems Maintenance	4,987,675	6,228,600
Wastewater Treatment O & M	8,669,640	9,414,450
Depreciation/Depletion	11,383,940	11,470,880
Subtotal	33,902,815	37,977,480
Net Operating Income (Loss)	(6,596,187)	(8,599,600)
Non-Operating Revenue (Expense)		
Interest Income	452,000	452,000
Miscellaneous	36,400	25,000
Subtotal	488,400	477,000
Net Operating Income (Loss)	(6,107,787)	(8,122,600)
Other Sources (Uses) of Working Capital		
Depreciation/Depletion - add back	11,383,940	11,470,880
Equipment Purchases	(997,800)	(482,380)
Construction/Asset Acquisition	(10,394,980)	(10,151,500)
Contributed Capital	8,590,000	90,000
Subtotal	81,160	927,000
Net Increase (Decrease) in Working Capital	\$ (6,026,627)	\$ (7,195,600)

Sewer Utility Fund

STAFFING SUMMARY						
	2002 FTE	2003 FTE	2004 FTE	2005 FTE	2006 FTE	2007 FTE
Dir – Public Works & Util	0.23	0.23	0.23	0.20	0.24	0.24
WW Utility Manager	1.00	1.00	1.00	1.00	1.00	0.90
Administrative Svcs Manager	0.50	0.50	0.50	0.28	0.23	0.36
Special Asst to Dir of PW & U	0.90	0.90	0.90	0.44	0.65	0.30
WWTP Superintendent	1.00	1.00	1.00	1.00	1.00	1.00
Engineering Manager	—	—	—	1.00	1.00	1.00
Deputy PW & Utilities Dir	—	—	—	0.20	0.24	0.24
Strategic Plng/Asset Manager	—	—	—	1.00	1.00	1.00
WW Collection System Manager	1.00	1.00	1.00	1.00	1.00	1.00
WW Construction Proj Manager	1.00	1.00	1.00	1.00	1.00	1.00
WWTP Engineer	1.00	1.00	1.00	1.00	1.00	1.00
Civil Engineer	9.00	9.00	10.00	11.00	12.00	13.00
Fiscal Services Manager	—	—	—	0.40	0.40	0.40
Planner	1.00	1.00	1.00	1.85	2.90	2.90
WW Asst Coll System Manager	1.00	1.00	1.00	1.00	1.00	1.00
WWTP Chief Operator	1.00	1.00	1.00	1.00	1.00	1.00
WWTP Lab Supervisor	1.00	1.00	1.00	1.00	1.00	1.00
WWTP Maint Supv	1.00	1.00	1.00	1.00	1.00	2.00
WW Maint Spec Mech	5.00	5.00	5.00	5.00	5.00	5.00
WW Coll Maint Supv	2.00	2.00	2.00	2.00	2.00	2.00
Engineering Tech	11.00	11.00	11.00	12.00	14.00	15.00
Right of Way Agent	0.50	0.50	0.50	0.24	0.24	0.24
WWTP Lab Analyst	1.00	1.00	1.00	1.00	1.00	1.00
Accounting Assistant	3.80	4.80	5.75	5.80	5.80	7.10
Civil Engineer - In - Training	—	—	—	—	1.00	1.00
WWTP Operator	10.00	10.00	10.00	12.00	12.00	12.00
WW Coll Maint Tech Lead	3.00	3.00	3.00	3.00	3.00	4.00
Supervisory Admin Asst	0.55	0.55	0.55	0.62	0.62	0.62
WW Maint Spec Elec	2.00	2.00	2.00	2.00	3.00	3.00
WW Maint Spec Inst	4.00	4.00	4.00	4.00	4.00	4.00
WW Maint Tech	24.00	24.00	24.00	25.00	28.00	31.00
Administrative Asst	0.55	0.55	0.55	0.55	0.55	1.55
Records Specialist	—	—	—	0.34	0.34	0.34
WWTP Laboratory Tech	1.00	1.00	1.00	1.00	1.00	1.00
WWTP Pretreatment Tech	3.00	3.00	3.00	3.00	3.00	3.00
Office Assistant	9.00	8.00	8.00	8.00	9.00	8.90
WWTP Utility Worker	2.00	2.00	4.00	4.00	4.00	4.00
WW Inventory Expeditor	1.00	1.00	1.00	1.00	1.00	1.00
Dept Info Tech Spec	—	—	0.17	0.47	0.17	—
WW Maint Worker	—	—	3.00	2.00	—	—
Deputy PW & Utilities Dir	0.23	0.23	0.21	—	—	—
Admin Program Manager	0.40	0.40	0.40	—	—	—
Total	104.66	104.66	111.76	118.39	126.38	135.09

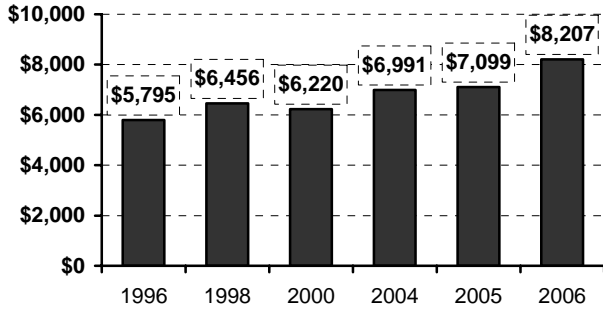
Sewer Utility Fund

WORKLOAD SERVICE DATA

	Unit of Measure	2002 Actual	2003 Actual	2004 Actual	2005 Actual	2006 Estimate	2007 Estimate
Laboratory analysis	Tests	27,219	27,142	29,822	28,313	25,000	25,000
Pretreatment program	Reviews	1,676	2,255	1,588	1,544	1,500	1,500
Accidental spill prev program	Reviews	336	696	375	373	400	400
Residual hauling/acceptance	Wet tons	12,893	12,196	15,816	13,316	14,000	1,600
Residual dryness	Percentage	15.8	15.4	14.8	14.8	15.5	90.0
Avg daily wastewater flow rec	ADF/MGD	16.38	16.65	17.10	16.65	17.30	17.60
Preventative maintenance	Orders	6,089	7,924	10,703	12,733	12,000	12,000
Pump station maintenance visits	Visits	4,574	5,551	5,424	4,471	5,000	5,100
Auxiliary power system maint	Visits	1,173	1,600	1,593	1,263	1,160	1,000
Residential grinder pump	Visits	1,180	910	1,160	1,233	1,050	1,050
Sewer line cleaning	Linear Ft	680,754	667,690	1,015,197	1,042,525	1,000,000	1,000,000
Sewer utilities locates	Visits	11,563	15,530	12,797	15,688	13,000	14,000
Smoke testing	Linear Ft	371,430	365,595	369,359	313,986	350,000	320,000
Sewer manhole	Repairs	517	749	1,428	875	1,000	800
Inflow and Infiltration	Repairs	333	266	261	316	300	300
Television inspection	Linear Ft	246,249	264,074	292,180	478,223	300,000	350,000
Emergency pump station calls	Incidents	90	93	43	76	75	75
Sewer line blockages	Incidents	17	4	4	—	10	10
Active billing accounts	Accounts	43,934	46,115	48,577	51,341	53,150	56,800
Permits, reviews and inspections	Cases	5,448	5,281	6,840	6,337	6,000	6,000
Collector pipe	Miles	578	583	593	623	634	640

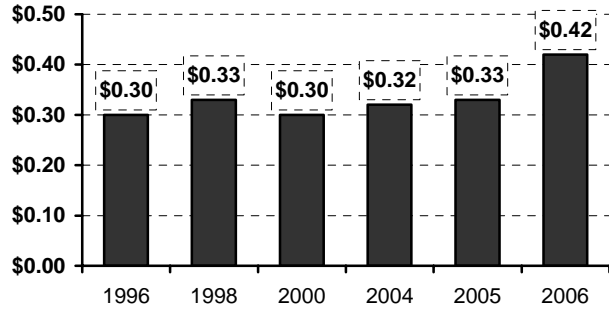
BUDGET RATIOS

Maintenance Cost per Mile of Pipe



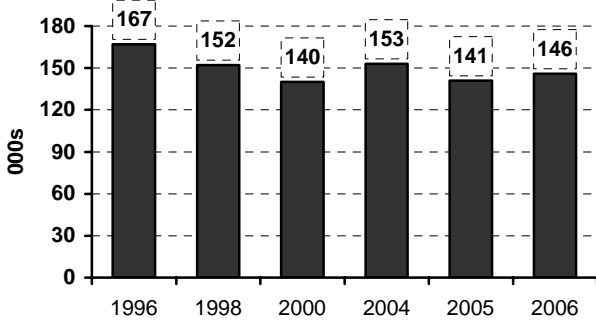
❖ From 1996 to 2006 the maintenance cost per mile of collection pipe increased 42% after adjusting for inflation.

Treatment Cost per Daily Gallon



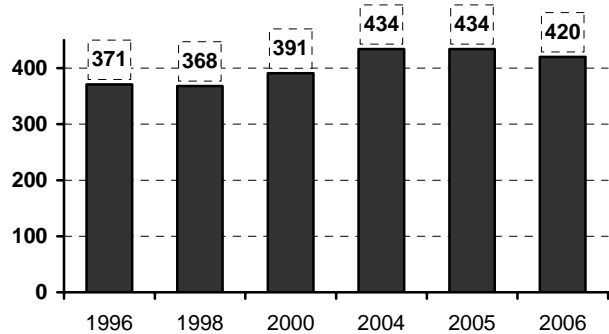
❖ From 1996 to 2006 the treatment cost per daily gallon of wastewater increased 41% after adjusting for inflation.

Wastewater Treated per Employee
Gallons in Thousands



❖ From 1996 to 2006 the number of gallons of wastewater treated daily per Sewer Utility employee decreased 13%.

Customer Accounts per Employee



❖ From 1996 to 2006 the number of active customer accounts per Sewer Utility employee increased 13%.

Sewer Utility Fund

Sewer Utility Construction Fund

Enterprise Fund

**Departmental
Summary:**

The Utilities Construction Fund is used to account for all non-ULID sewer construction work. This fund is financed through appropriations from the Sewer Utility Operating Fund, the Facility Restricted Reserve Fund and interest bearing loans from the Sewer Utility Operating Fund.

**Budget
Highlights:**

B St Interceptor Phase 2 (176th St to 192nd St) - This is a collection system improvement project to install approximately 5,000 feet of 30" diameter gravity sewer line in "B" Street East from 176th Street East to 192nd Street East.

Canyon Road CRP 5404 Sanitary Sewer Improvements - Installation of parallel eight inch collector sewers on Canyon Road in conjunction with the Transportation Division's CRP 5404 road improvement project. This project also includes sewer collectors on portions of 144th Street East, and 152nd Street East.

Chambers Creek Properties Central Meadow - Construction of a 22 acre site for passive recreation and a staging area for large events such as golf tournaments and community festivals. Will contain restroom facilities, parking for 84 cars and half mile loop trails on the south and west sides to link to the Soundview trail.

Chambers Creek WWTP Maintenance Facility Expansion - Construction of an 11,000 square foot maintenance facility expansion to serve the Collections Division of the Sewer Utility. A portion of this facility will also be leased to the Chambers Bay Golf Course to serve as a temporary golf course maintenance area.

Chambers Creek Properties North Meadow - Construction of a six acres site for passive recreation and viewing of Puget Sound and the Chambers Bay golf course. Will contain restroom facilities and parking for 38 cars.

Chambers Creek Properties Well Replacement – The project consists of the decommissioning of an existing well and the installation of two replacement water wells within the Chambers Creek Properties site. The new wells are being installed to comply with State requirements for the preservation and protection of the Chambers Creek Properties water rights.

Chambers Creek WWTP Fertilizer Manufacturing Facility (formerly Sludge Drying & Dewatering Facility) - Design and construction of a system to process the current Class B Biosolids to Class A fertilizer product manufactured at the treatment plant. The final product will be licensed as a commercial fertilizer and sold for commercial uses to offset operating expenses. In addition, the final product will be used for various projects on the Chambers Creek Properties or on other publicly-owned properties.

Chambers Creek WWTP Headwork Modification - Includes the installation of new screening and grit removal capacity, addition of a new grit chamber, replacement of the scum collection system and the addition of odor control for this area of the WWTP. It also includes the removal of the existing belt presses which will be abandoned as a result of the centrifuge installation in the Fertilizer Manufacturing building.

Collection System Flow Meters - This is an administrative project to install flow meters throughout the County's collection system, in two phases. This system allows the Utility to identify potential areas with inflow/infiltration problems and to identify illegal dumps into the sewer system.

Cypress Green Drainfield Rehab - This project includes the design of an existing community septic system repair and rehabilitation. The existing system is showing early signs of failure.

Energy Dissipator Rehab & Order Control - This is a preservation project to rehabilitate deteriorating unlined concrete surfaces of this structure at the WWTP. Odor control will also be implemented to address existing odors at this facility.

Environmental Services Building Expansion - The project initially consists of the planning and pre-design of an expansion to the Environmental Services Building.

Fife Siphon Project - The project will install a rock sump on the inlet channel, electrical service, a grinder shredder and high influent float system to be monitored by telemetry.

Gravity Belt Thickener Project - A project to increase the primary sludge solids concentration to the gravity belt thickener (GBT) rated limit of five percent. The project consists of adding additional GBT units. This new project is identified in the Sewer Utility's capacity study.

Lakewood Generator Replacement Project - The project will procure and install replacement emergency generator sets at 28 pump station sites within the ULID 73-1 area. The generators were originally installed in 1983 through 1986 and reached their expected useful life due to obsolescence.

Meridian Phase 1 Crossings (144th St to 156th St) - This is a collection system improvement project and includes the installation of approximately 1,000 feet of steel casing and sanitary sewer carrier pipes.

Miscellaneous Sewer Line Extensions - Collection system improvement projects to construct gravity collector sewer line extensions. This includes sewer improvements in conjunction with other jurisdictions' road improvement projects.

North Dock Overpass - This project consists of the design, permitting and reconstruction of a new railroad overpass at the Chambers Creek Properties site. The existing North Dock will include a pedestrian underpass of BNSF railroad and related safety improvements.

North Dock Reconstruction - This project consists of the design, permitting and reconstruction of the North Dock at the Chambers Creek Properties site. The existing North Dock well be removed into a public access pier in accordance with the Master Site Plan.

Phillips Siphon Vault - Construction of a new vault structure for an existing inverted siphon under a creek. The completed structure will allow for maintenance access to the siphon to perform normal maintenance activities.

Reclaimed Water System - This project will provide Class "A" reclaimed water from the treatment plant for irrigation of the new golf course on the Chambers Creek Properties. The reclaimed water system will treat up to one million gallons a day for distribution on the Chambers Creek Properties.

Reclaimed Water System Denitrification - This completed project will remove the nitrogen from Class "A" reclaimed water for irrigation of various sites on the Chambers Creek Properties.

Replacement Pump on Chambers Creek - Project consists of replacing existing pump at the impoundment on Chambers Creek.

Revised Burlington Northern Santa Fe Access - Project consists of revising the Burlington Northern Santa Fe Railroad access, including design and permitting, fencing, landscaping and construction.

Sewer Utility Construction Fund

Trail Linkages to WDFW Fish Counting Station - This project provides for the design and construction of pedestrian trail linkages through the Washington Department of Fish and Wildlife fish counting Station on Chambers Creek.

Tunnel Rehabilitation - This is a maintenance, operation and preservation project to protect the existing unlined Chambers Creek Tunnel which has experienced hydrogen sulfide corrosion. The initial project includes the lining of approximately 4200 feet of the tunnel and bypass pumping of the existing flows. Additional projects include lining of the remaining 1,100+ feet of the tunnel

WWTP Heating Hot Water System Upgrade - Project includes an overall plant energy audit to improve the efficiency of operations and equipment processes as well as piping demolition and replacement, boiler system upgrades and other miscellaneous hot water system improvements to meet WWTP needs.

WWTP Lab Expansion - This Project will expand and improve the existing WWTP laboratory to meet the existing and future testing requirements for the WWTP. A study will be conducted to verify the actual space needs which is currently identified as approximately 3,000 square feet.

WWTP Plant Expansion - This Project will provide increased wastewater treatment capacity due to the expansion and growth of the County's sewer service area. It will include the addition of new tankage for all phases of the treatment plant to increase the plant's capacity rating. The future expansion is currently being studied by the County's engineering consultant. Once the study is completed, sizing and timing of the project will be more accurately identified.

WWTP UV Module Additions - This operations and improvement project provides additional system capacity for the Ultra Violet (UV) disinfection system. It includes the installation of one additional module of UV lights for each of the eight existing banks of lights to increase the UV system capacity by 20%.

Performance Measures

- 1) Design and award at least 90% of the number of projects planned to be awarded in the 2007 capital facilities plan. (Goals B, D, E, G, H, I)

PROJECT SUMMARY

Capital Reserve Fund # 403	2007
Project Name	Budget
B St Interceptor Phase 2 (176th S to 192nd St)	20,000
Canyon Road CRP 5404 Sanitary Sewer Improvements	25,000
Chambers Creek WWTP Fertilizer Mfg Facility	10,000
Chambers Creek WWTP Headworks Modifications	4,200,000
Environmental Services Building Expansion	250,000
Meridian Phase 1 Crossings (144th St to 156th St)	100,000
Miscellaneous Sewer Line Extensions	355,000
Reclaimed Water System	5,700,000
Reclaimed Water System Denitrification	1,300,000
WWTP Plant Expansion	1,500,000
WWTP UV Module Additions	25,000
SubTotal -- Contributions to Construction Fund #425	13,485,000
Geographical Information System Support	76,000
Total	\$ 13,561,000

Sewer Utility Construction

PROJECT SUMMARY

Sewer Utility Construction Fund #425

Funding Sources

Project Name	Total Project Cost	2007 Expenditure	Fund 402 Sewer Utility Fund	Fund 403 Facilities Capital Reserve
B St Interceptor Phase 2 (176th S to 192nd St)	\$ 3,820,000	\$ 20,000	\$ —	\$ 20,000
Canyon Road CRP 5404 Sanitary Sewer Improvements	5,161,977	25,000	—	25,000
Chambers Creek Properties - Central Meadow	3,000,000	2,500,000	2,500,000	—
Chambers Creek Properties Maintenance Facility Expan	2,997,000	600,000	600,000	—
Chambers Creek Properties - North Meadow	500,000	200,000	200,000	—
Chambers Creek Properties Well Replacement	3,000,000	750,000	750,000	—
Chambers Creek WWTP Fertilizer Mfg Facility	13,180,503	50,000	40,000	10,000
Chambers Creek WWTP Headworks Modifications	12,281,948	6,000,000	1,800,000	4,200,000
Collection System Flow Meters	502,695	50,000	50,000	—
Cypress Green Drainfield Rehab	300,000	300,000	300,000	—
Energy Dissipator Rehab & Odor Control	435,257	50,000	50,000	—
Environmental Services Building Expansion	250,000	250,000	—	250,000
Fife Siphon Project	85,500	85,500	85,500	—
Gravity Belt Thickener Project	525,000	425,000	425,000	—
Lakewood Generator Replacement Project	2,029,050	60,000	60,000	—
Meridian Phase 1 Crossings (144th St to 156th St)	1,521,600	100,000	—	100,000
Miscellaneous Sewer Line Extensions	2,564,918	355,000	—	355,000
North Dock Overpass	3,200,000	750,000	750,000	—
North Dock Reconstruction	6,200,000	500,000	500,000	—
Phillips Siphon Vault	646,586	25,000	25,000	—
Reclaimed Water System	6,307,185	5,700,000	—	5,700,000
Reclaimed Water System Denitrification	5,300,000	1,300,000	—	1,300,000
Replacement Pump on Chambers Creek	340,000	300,000	300,000	—
Revised Burlington Northern Santa Fe Access	2,280,000	1,250,000	1,250,000	—
Trail Linkages to WDFW Fish Counting Station	140,000	85,000	85,000	—
Tunnel Rehabilitation Project	14,033,140	50,000	50,000	—
WWTP Heating Hot Water System Upgrade	709,000	231,000	231,000	—
WWTP Lab Expansion	1,215,000	100,000	100,000	—
WWTP Plant Expansion	47,380,382	1,500,000	—	1,500,000
WWTP UV Module Additions	337,500	25,000	—	25,000
Total	\$ 140,244,241	\$ 23,636,500	\$ 10,151,500	\$ 13,485,000

Solid Waste Management Fund

Enterprise Fund

The mission of the Solid Waste Management division is to provide Pierce County citizens with efficient waste reduction, recycling, disposal and household hazardous waste management systems which protect public health and safety and the natural and human environment of Pierce County.

Departmental Summary:

The Solid Waste Management Fund finances the planning, administration, program development, permitting and enforcement for the County's solid waste management system. The fund is under the administration of the Public Works and Utilities Department. The fund supports two separate functions: the Solid Waste Division of the Public Works and Utilities Department which is primarily responsible for planning, program development and recycling, and the Waste Management Section of the Tacoma-Pierce County Health Department which is responsible for regulatory permitting and enforcement issues. Financing is generated through an allocation of the disposal fees collected at disposal sites operated by Land Recovery, Inc.

Budget Highlights:

The Solid Waste Management Fund budget is 10.3% above the current year's budget, and includes the following:

- a) Consulting and legal services for the Hidden Valley clean-up action plan and remediation services; and for on-going post-closure activities;
- b) On-going funding for the Pierce County Responds program;
- c) Continued emphasis on public information programs for recycling, yard-waste/composting activities;
- d) Continued funding for the Health Department Solid Waste Program;
- e) Pre-design and programming monies for an Environmental Education Center (\$475,000); and
- f) Key Center fencing and Purdy Transfer Station siting (Household Hazardous Waste).

Performance Measures

- 1) The average waste recycling pounds per household will increase from the 2006 goal of 39lbs to 45lbs. (Goals B, D, E, G, H, I)

FUNDING SOURCES						
	2004 Actual	2005 Actual	2006 Budget	2007 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 985,460	\$ 998,400	\$ 12,940	1.3 %
Intergovernmental Revenue	599,251	258,534	331,000	597,000	266,000	80.4
Charges for Services	3,017,936	2,969,064	3,200,500	3,300,000	99,500	3.1
Miscellaneous Revenue	158,619	401,648	286,650	417,250	130,600	45.6
Other Financing Sources	175,400	175,000	167,520	170,820	3,300	2.0
Total	\$ 3,951,206	\$ 3,804,246	\$ 4,971,130	\$ 5,483,470	\$ 512,340	10.3 %

Solid Waste Management Fund

PROGRAM EXPENDITURES

	2006 FTE	2007 FTE	2006 Budget	2007 Budget	Absolute Change	Percent Change
Administration and Planning	6.40	6.49	\$ 2,029,060	\$ 1,923,690	\$ (105,370)	(5.2) %
Recycling and Debris Cleanup	4.71	4.66	1,393,100	1,327,780	(65,320)	(4.7)
Public Information & Education	5.00	4.53	845,350	857,760	12,410	1.5
Capital Improvements	—	—	100,000	712,000	612,000	6.1
Depreciation	—	—	155,620	157,640	2,020	1.3
Self Insurance	—	—	55,000	55,000	—	—
Landfill Post Closure	—	—	393,000	449,600	56,600	14.4
Total	16.11	15.68	\$ 4,971,130	\$ 5,483,470	\$ 512,340	10.3 %

STAFFING SUMMARY

	2002 FTE	2003 FTE	2004 FTE	2005 FTE	2006 FTE	2007 FTE
Dir – Public Works & Util	0.03	0.03	0.03	0.10	0.08	0.08
Administrative Svcs Mgr	0.15	0.15	0.15	0.05	0.05	0.04
Solid Waste Administrator	1.00	1.00	1.00	1.00	1.00	1.00
Deputy PW & Utilities Dir	0.03	0.03	0.05	0.10	0.08	0.08
Code Enforcement Supv	—	—	—	1.00	1.00	1.00
Fiscal Services Mgr	—	—	—	0.15	0.15	0.15
Planner	1.00	1.00	1.00	1.00	1.00	1.00
Code Enforcement Officer	2.00	2.00	2.00	2.00	2.00	2.00
Environmental Educator	4.00	4.00	4.00	4.00	4.00	4.00
Solid Waste Recyc Analyst	3.00	3.00	3.00	3.00	3.00	3.00
Accounting Assistant	0.50	0.50	0.55	0.46	0.46	0.20
Supervisory Admin Asst	0.25	0.25	0.25	0.20	0.20	0.20
Administrative Assistant	0.10	0.10	0.10	0.10	0.10	0.10
Records Specialist	—	—	—	0.33	0.33	0.33
Office Assistant	1.50	1.50	2.00	2.00	2.50	2.50
Dept Info Tech Spec	—	—	0.16	0.45	0.16	—
Special Asst to Dir PW&U	—	—	—	0.08	—	—
Admin Program Mgr	0.15	0.15	0.15	—	—	—
Total	13.71	13.71	14.44	16.02	16.11	15.68

WORKING CAPITAL SUMMARY

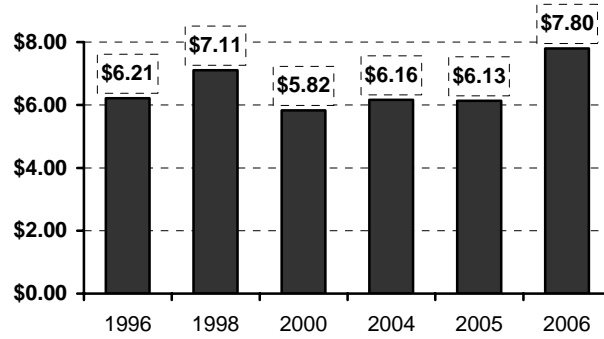
	2006 Estimate	2007 Budget
Operating Revenues		
Charges for Services	\$ 3,206,600	\$ 3,303,250
Grant Reimbursements	357,000	597,000
Subtotal	3,563,600	3,900,250
Operating Expenses		
Administration and Planning	1,798,700	1,923,690
Recycling and Debris Cleanup	1,233,320	1,327,780
Public Information and Education	818,470	857,760
Self Insurance	55,000	55,000
Depreciation	155,620	157,640
Post Closure Care	393,000	449,600
Subtotal	4,454,110	4,771,470
Net Operating Income (Loss)	(890,510)	(871,220)
Non-Operating Revenue (Expense)		
Interest Income	518,000	414,000
Operating Transfers	167,520	170,820
Subtotal	685,520	584,820
Net Operating Income (Loss)	(204,990)	(286,400)
Other Sources (Uses) of Working Capital		
Depreciation/Amortization - add back	155,620	157,640
Equipment Purchases	—	—
Other Improvements	(100,000)	(712,000)
Subtotal	55,620	(554,360)
Net Increase (Decrease) in Working Capital	\$ (149,370)	\$ (840,760)

WORKLOAD SERVICE DATA

	Unit of Measure	2002 Actual	2003 Actual	2004 Actual	2005 Actual	2006 Estimate	2007 Estimate
Solid Waste Operations							
Monitor solid waste operations	Sites	7	7	7	7	7	7
Household haz. waste cleanup	Participants	4,869	4,269	4,261	4,426	4,500	4,650
Education and Outreach							
Presentations and Workshops	Students	18,500	23,240	27,000	25,961	25,000	25,000
Fairs, Community Events, and Newsletter Recipients	Attendees	438,000	400,000	407,900	410,000	420,000	430,000
Pierce County Responds							
Abating Small Illegal Dumpsites	Vouchers	N/A	50	425	521	500	500
Abating Nuisance Vehicles	Vehicles	N/A	N/A	1,830	1,959	1,800	1,800
Abating "Dirty Dozen" Sites	Sites	2	8	1	2	—	—

BUDGET RATIOS

Expenditures per Resident Served



- ❖ From 1996 to 2006 expenditures per resident served, excluding closure expenses increased 26% after adjusting for inflation.

Surface Water Management Fund

Special Revenue Fund

The mission of the Water Programs Division is to be a responsive service organization that efficiently addresses flood control, water quality, and the preservation of natural drainage systems.

Departmental Summary:

The Storm Drainage and Surface Water Management Fund (SWM) was established to provide resources to plan, manage, and maintain the storm drainage and surface water runoff systems within unincorporated Pierce County drainage basin areas. The goals of the utility are to maintain water quality by preventing siltation and erosion of the County's waterways, protect water quality of lakes and aquifers, protect water quality for wildlife and fish habitat, and to minimize property loss from water damage.

The Flood Control - Rivers Division of SWM maintains the flood control capacity of about 43 miles of channel in the downstream reaches of the Puyallup, White and Carbon Rivers. Pierce County has adopted the Puyallup River Basin Comprehensive Flood Control Management Plan that establishes maintenance and construction alternatives for the downstream reaches of the three rivers.

Budget Highlights:

The proposed 2007 Surface Water Management Fund budget total is 1.3% above 2006. The 2007 budget reflects a sizeable capital improvement program, and two new positions devoted to NPDES permit related activities and other water quality functions.

In order to balance this budget we will be using approximately \$11.8 million in prior fund balance.

Performance Measures

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1) The five year average of flood insurance claims will decrease by five percent over the previous years five year average. (Goals B, D, E, G, H, I)</p> | <p>2) Design and award at least 90% of the number of projects planned to be awarded in the 2007 capital facilities plan. (Goals B, D, E, G, H, I)</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

FUNDING SOURCES						
	2004	2005	2006	2007	Absolute	Percent
	Actual	Actual	Budget	Budget	Change	Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$11,827,580	\$11,810,650	\$ (16,930)	(0.1) %
Intergovernmental Revenue	78,292	188,562	79,980	82,810	2,830	3.5
Charges for Services	12,792,896	13,323,776	13,404,070	13,762,390	358,320	2.7
Miscellaneous Revenue	321,364	529,976	606,000	610,000	4,000	0.7
Other Financing Sources	69	—	—	—	—	—
Total	\$13,192,621	\$14,042,314	\$25,917,630	\$26,265,850	\$ 348,220	1.3 %

Surface Water Management Fund

PROGRAM EXPENDITURES						
	2006	2007	2006	2007	Absolute	Percent
	FTE	FTE	Budget	Budget	Change	Change
Drainage Ops & Maint/Admin	41.08	42.57	\$ 9,565,390	\$ 9,826,810	\$ 261,420	2.7 %
Water Quality/NPDES	9.36	9.85	1,965,290	2,401,980	436,690	22.2
Capital Improvement Program	—	—	10,373,000	12,151,600	1,778,600	17.1
Quarry Operations	1.55	1.55	893,880	507,070	(386,810)	(43.3)
River Imp-Operations & Maint	4.17	3.98	2,655,730	935,510	(1,720,220)	(64.8)
River Improvement	4.13	4.05	464,340	442,880	(21,460)	(4.6)
Total	60.29	62.00	\$25,917,630	\$26,265,850	\$ 348,220	1.3 %

PROJECT SUMMARY					
Drainage Basin	Project Name	Project #	Total Est Project Cost	2007 Budget	
Chambers Bay	Parkland Ditch	D160	\$ 248,000	\$ 206,000	
Clear/Clarks Creek	Springfield Pothole	D136	1,117,000	720,000	
Clear/Clarks Creek	Canyon Creek Bypass	D138	1,643,000	50,000	
Clear/Clarks Creek	Rody Creek Stream Restoration	D191	1,311,000	662,000	
Clear/Clarks Creek	Woodland Creek 2nd Detention Pond	D310	3,769,700	50,000	
Clear/Clarks Creek	128th Street East & Meridian Infiltration Facility	D338	1,379,900	475,000	
Clear/Clarks Creek	Hemlock Pumpstation Alternative Outfall	D339	4,200,000	1,000,000	
Gig Harbor	Gig Harbor Basin Floodplain Acquisition	D340	1,825,000	300,000	
Gig Harbor	Goodnough Creek Culvert Restoration	D192	530,000	25,000	
Gig Harbor	Warren Creek Culvert Replacement	D193	410,000	12,000	
Key Peninsula	Key Peninsula Islands Floodplain Acquisition	D170	999,000	333,000	
Key Peninsula	Rock Creek Culvert Replacement	D201	60,000	60,000	
Lower White River	Lower White Floodplain Acquisition	D203	1,500,000	500,000	
Mid-Nisqually	Mid-Nisqually Floodplain Property Acquisition	D185	406,000	300,000	
Mid-Puyallup River	Horsehaven Creek	D204	99,900	15,000	
Mid-Puyallup River	Lower Puyallup River Silt Bench Stabilization	1360	600,000	600,000	
Mid-Puyallup River	Fennel Creek Wetland Enhancement & D	D172	1,300,000	500,000	
Muck Creek	Much Creek Basin Floodplain Acquisition	D161	905,000	232,000	
Muck Creek	Christian Muck Road	D166	671,300	75,000	
Muck Creek	Lacamas Creek Culvert Replacement	D202	390,000	15,000	
Muck Creek	Lower Lacamas Riparian Restoration	D341	1,740,000	25,000	
Muck Creek	288 & Muck Creek	D826	1,356,300	383,500	
South Prairie	South Prairie Basin Floodplain Acquisition	D184	900,000	300,000	
Steilacoom/Clover Creek	South Midland Wetland Reserve	D143	2,075,000	1,100,000	
Steilacoom/Clover Creek	Clover Creek Habitat Floodplain	D183	4,546,000	1,788,000	
Steilacoom/Clover Creek	224th & Meridian Infiltration Pond	D186	3,129,500	25,000	
Steilacoom/Clover Creek	176th St & 14th Ave Retention Pond	D194	2,000,000	775,000	
Steilacoom/Clover Creek	Spanaway Creek Restoration - Reach S3	D195	1,290,000	65,000	
Steilacoom/Clover Creek	Larchmont Wetland Reserve	D200	870,000	70,000	
Steilacoom/Clover Creek	Natches Trail Preserve	D206	425,000	75,000	
Steilacoom/Clover Creek	Outfall Retrofits	D823	783,400	250,000	
Steilacoom/Clover Creek	Spanaway Creek Fish Passage	D825	380,000	300,000	
Steilacoom/Clover Creek	Springwood Retention Pond	D824	789,200	584,600	
	Subtotal		43,649,200	11,871,100	
All	General Capital Improvement Project Support	D100	—	280,500	
	Total CIP		\$ 43,649,200	\$ 12,151,600	

Surface Water Management Fund

STAFFING SUMMARY

	2002 FTE	2003 FTE	2004 FTE	2005 FTE	2006 FTE	2007 FTE
Dir – Public Works & Util	0.17	0.18	0.18	0.20	0.14	0.14
Water Programs Manager	0.60	0.70	0.70	0.95	0.95	0.95
Administrative Svcs Mgr	0.30	0.30	0.30	0.14	0.17	0.20
Deputy PW & Utilities Dir	0.17	0.18	0.17	0.20	0.14	0.14
Planner	5.00	4.90	6.00	7.00	6.97	7.00
Water Program Maint Mgr	1.00	1.00	1.00	1.00	1.00	1.00
Civil Engineer	9.93	9.80	10.71	10.85	13.25	13.10
Fiscal Services Mgr	—	—	—	0.40	0.45	0.45
Public Works Proj Coord	—	—	—	1.00	1.00	1.00
Engineering Technician	8.65	7.90	9.00	10.00	11.00	13.00
Right of Way Agent	0.35	0.35	0.35	0.61	0.61	0.61
Maintenance Technician	—	6.00	6.00	6.00	6.00	6.00
Heavy Equipment Operator	4.00	4.00	4.00	4.00	4.00	4.00
Public Works Supv	1.00	1.00	1.00	1.00	1.00	1.00
GIS Specialist	—	0.80	0.92	0.93	0.93	0.94
Accounting Assistant	2.40	2.40	2.40	2.44	2.49	2.45
Civil Engineer - In - Trng	—	—	—	—	1.00	1.00
Water Quality Specialist	1.00	1.00	1.00	1.00	1.00	1.00
Supervisory Admin Asst	0.15	0.15	0.15	0.15	0.18	0.18
Environmental Biologist	0.40	0.50	2.00	2.00	2.90	2.90
Administrative Assistant	0.35	0.35	0.35	0.35	0.35	0.35
Records Specialist	—	—	—	0.33	0.33	0.33
Maintenance Office Mgr	1.00	1.00	1.00	1.00	1.00	1.00
Office Assistant	2.26	2.26	2.26	2.26	2.26	2.26
Administrative Aide	0.98	0.98	1.00	1.00	1.00	1.00
Dept Info Tech Spec	—	—	0.17	0.46	0.17	—
Admin Program Mgr	0.40	0.40	0.40	—	—	—
Environmental Educator	—	—	1.00	—	—	—
River Technician	6.00	—	—	—	—	—
Total	46.11	46.15	52.06	55.27	60.29	62.00

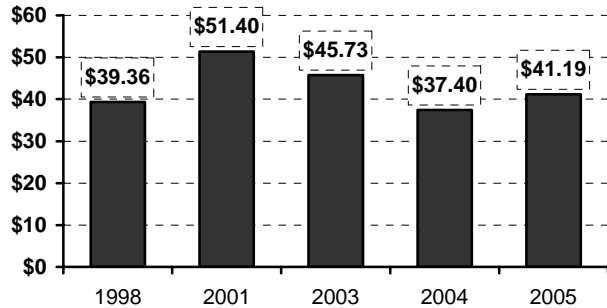
WORKLOAD SERVICE DATA

	Unit of Measure	2002 Actual	2003 Actual	2004 Actual	2005 Actual	2006 Estimate	2007 Estimate
Inquiries/responses	Contacts	151	229	250	250	300	300
Drainage plan reviews	Plans	80	65	70	80	144	180
Constructed CIP projects	Each	4	2	4	4	5	6
Drainage studies	Each	4	4	6	8	15	15
NPDES compliance	Hours	10,155	8,445	9,746	11,472	10,080	9,840
Access roads maintained	Miles	5	38	16	16	23	5
Vegetation control	Hours	1,853	1,466	1,000	1,000	870	1,000
Dike repair materials	Tons	145	6,183	4,800	5,000	6,000	10,000
Retention/Detention pond maint.	# of sites	146	127	110	110	140	150
CIP expenditures	Dollars	2,350,000	5,015,829	7,273,700	7,790,700	12,159,000	12,001,000
Small works projects	Each	16	10	6	5	14	10
Proj w/ on-time environ approvals	Projects	0	2	5	5	5	6
Non-point watershed plans	Actions	15	61	55	50	50	50
Projects funded by Salmon RFBrd	Percent	100	19	33	100	75	100
Basin plans/characterization reports	Issued	7	3	4	4	3	2

BUDGET RATIOS

SWM Total Expenditures

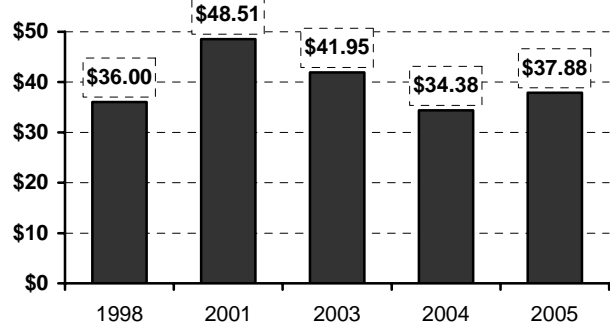
Per County Resident Served



- ❖ From 1998 to 2005 total SWM expenditures per resident served increased 5% after adjusting for inflation. (Beginning in 1997, total SWM costs include River Improvement costs.)

SWM Total Expenditures Less River

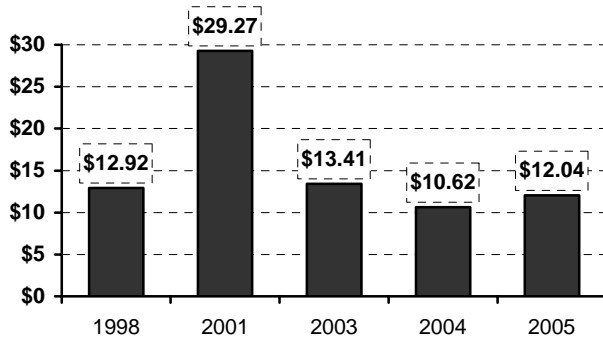
Per County Resident Served



- ❖ From 1998 to 2005 total SWM expenditures per resident served excluding River Improvement costs increased 5% after adjusting for inflation

SWM Land/Construction Costs

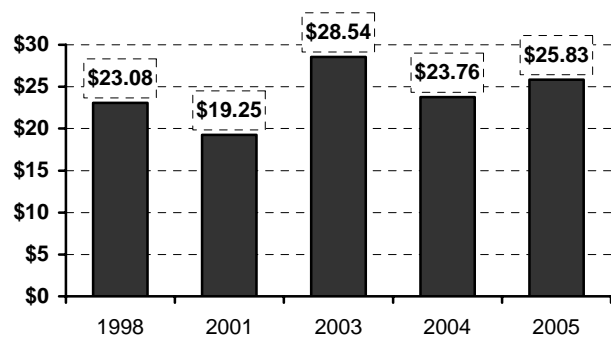
Per County Resident Served



- ❖ From 1998 to 2005 land and construction expenditures per resident served (excluding River Improvement costs) decreased 7% after adjusting for inflation.

SWM Operating Expenditures

Per County Resident Served



- ❖ From 1998 to 2005 SWM operating expenditures per resident served (excluding River Improvement costs) increased 12% after adjusting for inflation.

Water Utility Fund

Enterprise Fund

Departmental Summary:

The Water Utility was created to develop the ground and surface water rights located at the County's Chambers Creek Properties. The Utility initial plan is to either develop the water rights itself or utilize a water development contract with a third party. The developed water resource would then be wholesaled to one or more water utilities within Pierce County.

Budget Highlights:

The proposed 2007 budget continues to fund the initial development of the Water Utility, which began in 1999. The initial steps include conversion of the water rights at Chambers Creek from industrial to municipal use; investigation of methods to contract out development of the water rights; development of a Water General Plan; assessment of the ground and surface waters; and development of a Water System Plan. The major components of the 2007 budget are:

- a) The on-going expenses associated with these various studies;
- b) The costs for staff assigned to these activities;
- c) Interest expense; and
- d) Consultant design work for the water utility projects (\$250,000).

The funding for the development of the Water Utility is provided by a loan from the Sewer Utility Capital Reserve Fund.

FUNDING SOURCES

	2004 Actual	2005 Actual	2006 Budget	2007 Budget	Absolute Change	Percent Change
Other Financing Sources	\$ —	\$ —	\$ 304,170	\$ 312,900	\$ 8,730	2.9 %
Total	\$ —	\$ —	\$ 304,170	\$ 312,900	\$ 8,730	2.9 %

EXPENDITURES

	2004 Actual	2005 Actual	2006 Budget	2007 Budget	Absolute Change	Percent Change
Salaries & Wages	\$ 3,574	\$ 9,212	\$ 660	\$ 10,570	\$ 9,910	1,501.5 %
Personnel Benefits	(180)	(659)	200	2,690	2,490	1,245.0
Other Services & Charges	2,835	83,157	157,810	259,220	101,410	64.3
Capital Outlays	—	—	110,000	—	(110,000)	(100.0)
Interest	22,557	23,655	35,500	40,420	4,920	13.9
Total	\$ 28,786	\$ 115,365	\$ 304,170	\$ 312,900	\$ 8,730	2.9 %

STAFFING SUMMARY

	2002 FTE	2003 FTE	2004 FTE	2005 FTE	2006 FTE	2007 FTE
WW Utility Manager	—	—	—	—	—	0.10
GIS Specialist	—	—	0.01	0.01	0.01	—
Special Asst to Dir PW&U	0.10	0.10	0.10	0.08	—	—
Water Programs Manager	0.20	0.20	0.20	—	—	—
Total	0.30	0.30	0.31	0.09	0.01	0.10

Water Utility Fund
