

PUBLIC WORKS AND UTILITIES

The Public Works and Utilities Department is comprised of several divisions which provide a wide variety of public services including: road design, construction, maintenance and operation, sewer collection and treatment, airport and ferry services, and surface water management. Funds within the Department’s budget include: Airport, County Road Fund, Ferry Services, Public Works Construction, Transportation Facilities, Equipment Rental and Revolving, Road portion of the Second REET, Solid Waste, Sewer Utility, Surface Water Management, REET River, Sewer Utility Fund, Sewer Utility Construction/Reserve, Sewer Revenue Bonds, and the Water Utility. 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 part of the reclamation program for that site. The Drinking Water Supply Program is presented under Special Projects in the “Other Programs” section of the budget.

Section Contents	
Airport Fund	305
Chambers Bay Golf Course Fund.....	309
County Road Fund.....	311
Equipment Rental and Revolving Fund.....	317
Ferry Services Fund	321
Public Works Construction Fund.....	325
REET River Fund	331
Second REET Roads Fund	333
Sewer Revenue Bonds Fund	335
Sewer Utility Fund.....	337
Sewer Utility Construction/Reserve Fund.....	343
Solid Waste Management Fund.....	349
Surface Water Management Fund.....	353
Traffic Impact Fee Fund	359
Transportation Facilities Fund	361
Water Utility Fund.....	363

Public Works and Utilities

DEPARTMENT BUDGETS

Department Name	2009 Budget	2010 Budget	Absolute Change	Percent Change
Airport Fund	\$ 18,834,940	\$ 6,361,020	\$ (12,473,920)	(66.2) %
Chambers Bay Golf Course Fund	7,460,720	7,644,120	183,400	2.5
County Road Fund	70,743,260	62,133,180	(8,610,080)	(12.2)
Equipment Rental & Revolving	15,064,840	15,554,080	489,240	3.2
Ferry Services Fund	4,626,000	5,662,800	1,036,800	22.4
Public Works Construction Fund	55,870,000	33,330,000	(22,540,000)	(40.3)
REET River Improvement Fund	6,624,260	5,652,610	(971,650)	(14.7)
Second REET Roads Fund	22,874,000	24,386,000	1,512,000	6.6
Sewer Facil Restric Reserve Fund	10,348,740	13,944,080	3,595,340	34.7
Sewer Revenue Bond Funds	1,716,290	1,910,450	194,160	11.3
Sewer Utility Fund	40,920,060	34,774,300	(6,145,760)	(15.0)
Sewer Utility Const Funds	22,005,300	53,681,100	31,675,800	143.9
Solid Waste Mgmt Fund	6,542,180	7,171,520	629,340	9.6
Surface Water Management Fund	22,491,790	19,138,940	(3,352,850)	(14.9)
Traffic Impact Fee Fund	6,790,030	4,985,380	(1,804,650)	(26.6)
Transportation Facilities Fund	2,648,880	252,000	(2,396,880)	(90.5)
Water Utility Fund	300,650	285,080	(15,570)	(5.2)
Total Public Works & Utilities	\$ 315,861,940	\$ 296,866,660	\$ (18,995,280)	(6.0) %

AIRPORT FUND

Enterprise Fund

The mission of the Pierce County Airports are to support general utility aviation operations and maximize fiscal self-supporting capabilities.

**DEPARTMENTAL
SUMMARY:**

The Airport Fund provides for the operation, maintenance, and capital improvements at Pierce County Airports - Thun Field and Tacoma Narrows. This fund's goal is to be self-supporting through user fees and tenant charges.

The Airports are classified as General Aviation by the Federal Aviation Administration. Both Airports design level are General Utility, Stage I which supports primarily the personal and recreational needs and secondarily the business needs of aviation in Pierce County.

**BUDGET
HIGHLIGHTS:**

The proposed 2010 Airport budget is considerably less than 2009, because last year's budget included major capital expenses at the Tacoma Narrows Airport (Stone Drive project). The 2010 budget includes:

- a) General operating expenses (adjusted for inflation) at both airports;
- b) Thun field runway widening project (\$3.7 million), largely grant funded;
- c) Other repair and equipment expenses, plus a water system plan; and
- d) A proposed 3% fee increase at Tacoma Narrows.

FUNDING SOURCES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 1,428,040	\$ 362,720	\$ (1,065,320)	(74.6) %
Taxes	210,690	141,194	144,000	81,900	(62,100)	(43.1)
Intergovernmental Revenue	1,780,313	547,970	15,957,100	4,573,770	(11,383,330)	(71.3)
Miscellaneous Revenue	478,312	480,132	1,305,800	1,342,630	36,830	2.8
Contributed Capital	—	13,520,764	—	—	—	—
Other Financing Sources	(8,858)	(919)	—	—	—	—
Total	\$ 2,460,457	\$14,689,141	\$18,834,940	\$ 6,361,020	\$ (12,473,920)	(66.2) %

Airport Fund

EXPENDITURES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Salaries & Wages	\$ 170,422	\$ 158,631	\$ 309,960	\$ 410,760	\$ 100,800	32.5 %
Personnel Benefits	64,031	63,567	112,580	132,390	19,810	17.6
Supplies	10,926	8,138	37,140	47,910	10,770	29.0
Other Services & Charges	371,730	507,567	1,093,920	1,449,580	355,660	32.5
Intergovernmental Services	3,921	4,553	4,740	26,190	21,450	452.5
Capital Outlays	1,607,638	666,570	17,276,600	4,294,190	(12,982,410)	(75.1)
Interest	(15,543)	—	—	—	—	—
Total	\$ 2,213,125	\$ 1,409,026	\$18,834,940	\$ 6,361,020	\$ (12,473,920)	(66.2) %

STAFFING SUMMARY

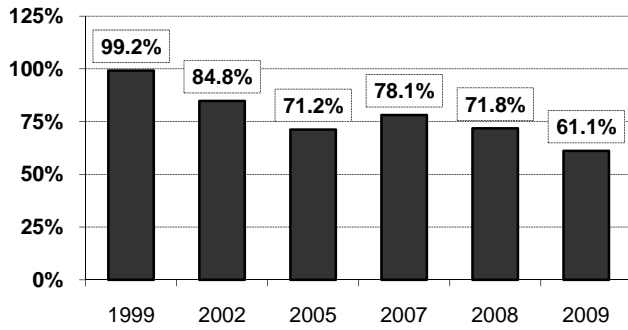
	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE	2010 FTE
Dir - Public Works & Utilities	—	0.01	0.01	0.01	0.01	0.08
Ferry/Airport Admin	—	—	—	—	0.50	0.50
Deputy PW & Utilities Dir	—	0.01	0.01	0.01	0.01	0.08
Transportation Ops Supv	—	—	—	—	0.50	0.50
Civil Engineer	—	—	—	—	0.50	0.50
Planner	—	—	—	—	0.50	0.50
Accounting Assistant	—	—	—	—	—	0.36
Airport Operations Supv	1.00	1.00	1.00	1.00	1.00	1.00
Facilities Maint Tech	0.60	0.60	0.60	0.75	1.75	1.75
Public Works/Util Prj Crd	—	—	—	0.50	—	—
Airport Administrator	—	1.00	1.00	0.50	—	—
Special Asst to Dir PW&U	—	0.01	—	—	—	—
Total	1.60	2.63	2.62	2.77	4.77	5.27

WORKLOAD SERVICE DATA

	Unit of Measure	2005 Actual	2006 Actual	2007 Actual	2008 Actual	2009 Estimate	2010 Estimate
Tiedowns Rented	Tiedowns	48	46	44	44	41	40
Hangar Space Rented	Spaces	50	50	50	50	50	50
Take Offs & Landings	Occurrence	108,000	110,000	110,000	108,000	106,000	104,000

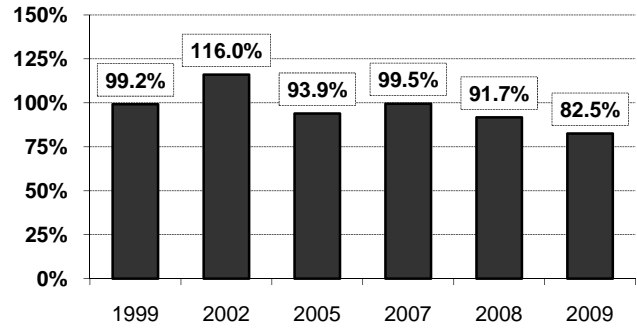
BUDGET RATIOS

Extent of Self-Support



- ❖ From 1999 to 2009 the extent of self-support decreased by 38%. The ten year average is 81%.

Extent of Self-Support Excluding Depreciation



- ❖ From 1999 to 2009 the extent of self-support excluding depreciation decreased by 17%. The ten year average is 109%.

Airport Fund

CHAMBERS BAY GOLF COURSE FUND

Enterprise Fund

**DEPARTMENTAL
SUMMARY:**

The Chambers Bay 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 primarily 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 golf course that enhances the County's economic development efforts, provides an environmental showcase through the utilization of wastewater treatment plant by-products; and generates revenue for both the course operations and other recreational features located on the properties.

Limited Tax General Obligation Bonds, 2005 – 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, 2009 is \$20,020,000.

Limited Tax General Obligation Bond, 2007 – The \$685,000 general obligation bond is a term bond due in equal quarterly payments of \$36,432 in principal and interest, with final payment due in July 2012. The interest rate is 4.30%. The bonds were issued to provide equipment for servicing the Chambers Bay Golf Course. Financing is provided from the net revenues of the golf course, revenues of sewer utility, and/or general fund. The outstanding balance of the bond on December 31, 2009 is \$375,975.

**BUDGET
HIGHLIGHTS:**

The 2010 Chambers Bay Golf Course budget reflects the following activities and expenses:

- a) Debt Service Expenses \$1,543,290
 - b) Course Management Contract
(including Amateur related expenses) 5,241,200
 - c) County Operating Expenses and Capital Equipment 738,720
 - d) USGA Amateur revenue rebate 120,910
- \$7,644,120

The Budget will be funded from green fees, pro shop and restaurant sales, and payments from the USGA. Based upon the estimated 2010 expenses and revenues, it will be necessary to advance a loan of approximately \$1.5 million to this fund.

Chambers Bay Golf Course Fund

FUNDING SOURCES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ —	\$ 1,514,460	\$ 1,514,460	∞ %
Charges for Services	3,418,729	5,847,059	7,460,070	5,536,110	(1,923,960)	(25.8)
Miscellaneous Revenue	3,349	400,766	650	573,550	572,900	88,138.5
Other Financing Sources	(6,507)	42,482	—	20,000	20,000	∞
Total	\$ 3,415,571	\$ 6,290,307	\$ 7,460,720	\$ 7,644,120	\$ 183,400	2.5 %

EXPENDITURES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Salaries & Wages	\$ 29,502	\$ 30,887	\$ 60,540	\$ 76,180	\$ 15,640	25.8 %
Personnel Benefits	972	2,067	16,110	18,020	1,910	11.9
Supplies	284,773	40,109	38,910	56,230	17,320	44.5
Other Services & Charges	3,995,371	4,521,723	5,295,240	5,816,420	521,180	9.8
Capital Outlays	(2,189,140)	29,574	618,060	133,980	(484,080)	(78.3)
Debt Service	909,493	932,574	1,431,860	1,543,290	111,430	7.8
Total	\$ 3,030,971	\$ 5,556,934	\$ 7,460,720	\$ 7,644,120	\$ 183,400	2.5 %

STAFFING SUMMARY

	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE	2010 FTE
Dir - PW & Utilities	—	—	—	—	—	0.03
Special Projects Manager	—	—	—	0.20	0.50	0.50
Deputy PW & Utilities Dir	—	—	—	—	—	0.03
Budget & Fiscal Manager	—	—	—	—	—	0.05
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	0.20	0.50	0.61

WORKLOAD SERVICE DATA

	Unit of Measure	2005 Actual	2006 Actual	2007 Actual	2008 Actual	2009 Estimate	2010 Estimate
Chambers Bay Golf Course Operations							
Golf Course Activity	Rounds played	—	—	19,096	38,437	32,112	32,783

COUNTY ROAD FUND

Special Revenue Fund

The mission of Transportation Services is to provide transportation infrastructure including planning, design development, construction, contract administration, maintenance and operations, ferry and airport operations, and equipment services.

DEPARTMENTAL SUMMARY:

The Transportation Services Division of the Public Works and Utilities Department plans, improves, and maintains the transportation system. Major revenue sources of the Road Fund are dedicated property taxes and state allocated motor vehicle fuel excise taxes. The transportation system consists of 1,500 miles of roadway, 150 bridges, 89 traffic signals, 26 flashers, and a ferry operation. Drainage facilities keep the roadways free of water. Shop facilities stockpile materials and garage the 200 road maintenance vehicles necessary for keeping the roads open and safe. Projections indicate that the highway system must handle a 50% increase in vehicle miles traveled over the next 10 years to accommodate economic development in the County. The current value of the system is over \$1 billion or \$1,500 per capita.

The Transportation Services Division employs staff to plan, build and maintain a safe and efficient road network for the citizens of Pierce County. The Department is organized into two operating divisions: Engineering and Maintenance. The Engineering Division's responsibilities include planning, designing and constructing road and bridge projects, establishing standards for roadway construction, and maintaining the County Road Log. The Maintenance Division performs over 100 functions to keep the transportation system operating at its original "as built" condition and capacity.

There is a loan from the Washington State Public Works Board in the amount of up to \$2,942,000 at an interest rate of 0.5%. The loan is for the improvement of the intersection of Canyon Road East and 176th Street East. The final payment is due on July 1, 2025. The debt outstanding at December 31, 2009 is estimated to be \$2,500,700.

BUDGET HIGHLIGHTS:

The 2010 budget for the County Road Fund is 12.2% below 2009, due mostly to the deletion of fund balance as a financing source. Due to funding limitations the budget reflects the decrease of 11.6 positions, and the allocation of only \$1 million for capital projects (\$7.2 million was originally budgeted in 2009).

County Road Fund

FUNDING SOURCES						
	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 7,787,840	\$ —	\$ (7,787,840)	(100.0) %
Taxes	42,921,182	44,337,307	46,548,580	47,615,580	1,067,000	2.3
Licenses & Permits	100,329	84,919	100,000	60,000	(40,000)	(40.0)
Intergovernmental Revenue	15,766,910	15,118,228	15,585,940	13,897,500	(1,688,440)	(10.8)
Charges for Services	905,831	343,814	471,000	314,000	(157,000)	(33.3)
Miscellaneous Revenue	151,621	240,194	64,900	46,100	(18,800)	(29.0)
Other Financing Sources	471,950	331,769	185,000	200,000	15,000	8.1
Total	\$60,317,823	\$60,456,231	\$70,743,260	\$62,133,180	\$ (8,610,080)	(12.2) %

PROGRAM EXPENDITURES						
	2009 FTE	2010 FTE	2009 Budget	2010 Budget	Absolute Change	Percent Change
Engineering	105.50	102.50	\$ 6,237,650	\$ 5,757,410	\$ (480,240)	(7.7) %
County Engineer/Admin Svcs	39.40	32.79	12,440,170	12,905,480	465,310	3.7
Transp Planning/Programming	20.00	20.00	2,815,090	2,656,740	(158,350)	(5.6)
Roads Maintenance	167.00	165.00	30,261,500	28,232,240	(2,029,260)	(6.7)
Traffic Administration	40.00	40.00	6,320,170	6,135,880	(184,290)	(2.9)
Transfer Out - Construction	—	—	7,200,000	1,000,000	(6,200,000)	(86.1)
Debt Service	—	—	2,272,360	2,282,350	9,990	0.4
Transfer Out - Other Service	—	—	3,196,320	3,163,080	(33,240)	(1.0)
Total	371.90	360.29	\$70,743,260	\$62,133,180	\$ (8,610,080)	(12.2) %

County Road Fund

STAFFING SUMMARY

	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE	2010 FTE
Dir - Public Works & Util	0.42	0.46	0.46	0.46	0.46	0.40
Deputy County Executive	—	—	—	—	0.50	0.50
County Engineer	1.00	1.00	1.00	1.00	1.00	1.00
Dept Support Services Mgr	—	—	—	0.56	0.80	0.84
Maintenance Manager	1.00	1.00	1.00	1.00	1.00	1.00
Administrative Svcs Mgr	0.87	0.85	0.80	1.00	1.00	1.00
Traffic Engineer	1.00	1.00	1.00	1.00	1.00	1.00
Special Asst to Dir PW&U	0.21	0.21	0.70	1.00	1.00	1.00
Assoc Traffic Engineer	1.00	2.00	2.00	2.00	2.00	2.00
Engineering Manager	2.96	3.00	2.90	2.90	3.00	3.00
Environmental Biologist	4.00	3.00	4.00	4.00	4.00	4.00
Planner	5.00	5.00	7.00	7.00	8.00	8.00
Road Maintenance Supt	2.00	2.00	2.00	2.00	2.00	2.00
Right of Way Agent	7.00	8.00	10.00	10.00	10.00	8.00
Traffic Operations Supv	1.00	1.00	1.00	1.00	1.00	1.00
Deputy PW & Utilities Dir	0.42	0.46	0.46	0.46	0.46	0.40
Traffic Signal Tech	6.00	6.00	6.00	7.00	7.00	7.00
Budget & Fiscal Manager	—	—	—	1.00	1.00	0.05
Fiscal Services Mgr	1.00	1.00	1.00	—	—	0.66
Road District Manager	—	—	5.00	5.00	5.00	5.00
Maintenance Office Admin	1.00	1.00	1.00	1.00	1.00	1.00
Road District Supervisor	—	4.00	4.00	4.00	4.00	4.00
Civil Engineer	43.47	44.20	52.70	51.70	52.00	51.00
Heavy Equipment Operator	21.00	21.00	20.00	19.00	21.00	21.00
Civil Engineer - In Trng	—	2.00	3.00	4.00	3.00	3.00
Contract Compliance Ofcr	1.00	1.00	1.00	1.00	1.00	1.00
GIS Specialist	—	—	1.00	1.00	1.00	1.00
Grant Accountant	—	—	—	—	1.58	1.00
Public Works/Util Supv	—	—	—	1.00	1.00	1.00
Maintenance Technician	85.70	85.70	74.70	71.70	70.00	70.00
Road Operations Field Supv	—	9.00	10.00	10.00	10.00	10.00
Engineering Tech	56.20	58.50	65.50	67.50	68.50	67.50
Traffic Sign Technician	12.00	12.00	12.00	12.00	12.00	12.00
Accounting Assistant	5.80	5.60	4.58	4.58	3.45	2.89
Asst Construction Proj Mgr	—	—	—	—	1.00	1.00
Contract Compliance Spec	1.00	1.00	1.00	1.00	1.00	1.00
Office Assistant	15.46	15.50	15.60	15.60	16.80	13.85
Public Information Spec	—	—	—	1.00	1.00	1.00
Supervisory Admin Asst	1.00	1.00	1.00	1.00	0.35	0.20
Training Coordinator	2.00	2.00	2.00	2.00	2.00	2.00
Dept Info Tech Spec	3.31	4.25	3.75	5.00	4.00	3.00
Administrative Assistant	1.00	2.00	1.96	1.96	2.00	2.00
Records Specialist	1.00	1.00	1.00	1.00	2.00	2.00
Maintenance Office Mgr	6.00	6.00	6.00	6.00	6.00	5.00
Contract Compl Field Mntr	1.00	1.00	1.00	1.00	1.00	1.00
Contracts Coordinator	—	—	1.00	1.00	2.00	2.00

(Table Continued on the following page)

County Road Fund

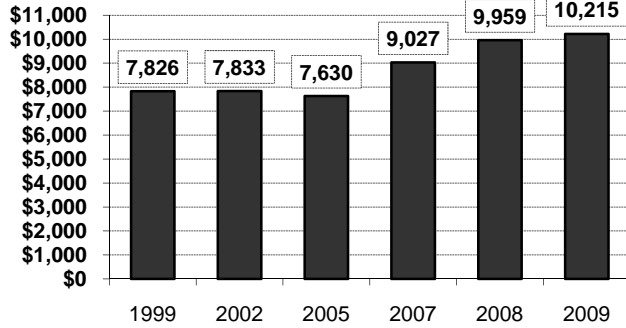
STAFFING SUMMARY						
	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE	2010 FTE
Maintenance Worker	24.00	20.00	29.00	32.00	33.00	32.00
Facilities Maint Worker	—	0.50	0.50	0.50	—	—
Accountant	1.71	1.75	1.58	1.58	—	—
Equipment Operator	—	—	1.00	2.00	—	—
Public Development Mgr	—	—	—	0.70	—	—
Special Projects Manager	—	—	—	0.24	—	—
Public Works Supv	10.00	6.00	1.00	—	—	—
Strategic Plng/Asst Mgr	1.00	1.00	1.00	—	—	—
Communications Coord	—	—	1.00	—	—	—
Administrative Aide	0.80	1.00	—	—	—	—
Airport Administrator	1.00	—	—	—	—	—
Maintenance Crew Chief	5.00	—	—	—	—	—
Total	336.33	343.98	365.19	370.44	371.90	360.29

County Road Fund

WORKLOAD SERVICE DATA							
	Unit of Measure	2005 Actual	2006 Actual	2007 Actual	2008 Actual	2009 Estimate	2010 Estimate
Pothole Premix Patching	Manhour	1,499	—	—	3,009	3,280	1,200
Pothole Premix Patching	Ton	—	938	2,624	901	1,305	850
Spreader Box Patching	Ton	3,269	10,424	5,455	7,091	5,750	12,522
Seal Coating	Lane Mile	157	69	296	53	240	100
Skin Patching	Sq Yard	—	—	4,482	75,860	8,000	8,000
Grading & Shaping Gravel Road	Mile	59	53	45	46	33	33
Haul Aggregate for Gravel Road	Ton	2,198	1,237	1,745	980	1,950	1,950
Grading & Shaping Gravel Shld	Shld Mile	435	402	465	489	271	183
Hauling Aggregate - Gravel Shld	Ton	18,413	18,406	17,647	19,260	5,000	5,000
Mowing Shoulders	Shld Mile	2,899	2,595	3,304	3,200	3,470	3,470
Ditching							
With Backhoe/Drott	Lineal Feet	75,976	68,806	80,015	79,525	60,000	50,000
With Belt Loader/Ditchmaster	Ditch Mile	87	83	114	68	96	96
Manual Clean Culvert Ends & Grates	Each	2,683	3,271	3,428	5,124	3,700	3,700
Mech Clean Drainage Structure	Each	3,359	1,959	3,502	6,212	3,200	3,200
Cleaning With Jet Rodder	Lineal Feet	79,766	75,819	119,633	80,148	95,000	95,000
Repair/Replace							
Culvert Pipe	Lineal Feet	2,371	2,765	2,537	2,169	2,000	2,000
Catch Basin	Each	29	29	43	35	50	50
Drywell/Drainfield	Each	14	25	12	8	25	25
Erosion Control	Manhour	248	237	324	169	760	760
Grate	Each	71	69	47	70	87	87
Paint Culvert Marks	Each	431	215	300	233	100	100
Bridge Repair	Manhour	407	566	328	270	517	517
Luminaire Routine	Each	746	816	970	1,259	1,400	1,600
Signage Activity	Each	156,979	160,166	167,868	169,948	180,000	180,000
Pavement Markings	Each	4,444	3,712	4,326	4,639	5,000	5,000
Pavement Striping	Mile	1,925	1,804	1,858	2,092	2,060	2,060
Signal Electronics Repair	Manhour	213	1,400	1,200	1,985	2,300	2,300
Signal Cabinet	Intersection	343	390	534	529	687	690
Signal Routine	Intersection	971	1,012	1,086	1,147	1,219	1,220
Signal Misc Intersection Repairs	Each	458	961	1,078	759	785	800
Signal Relamping	Each	4,546	4,997	4,787	5,149*	5,500	5,500
Guardrail Repair	Manhour	1,418	1,481	1,486	2,600	1,895	1,895
Plowing Snow	Lane Mile	5,228	3,711	10,096	27,842	11,220	11,220
Sanding	Ton	2,205	3,017	4,123	9,499	2,050	2,050
Front End Broom	Lane Mile	4,133	3,534	3,829	2,673	2,000	1,500
Self-Propelled/Self-Load Sweep	Lane Mile	7,517	7,382	6,663	7,118	5,500	5,000
Flushing	Curb Mile	74	17	2	27	51	51
Rotary Brush Cutter	Shld Mile	871	832	674	990	650	600
Brushing & Chipping	Shld Mile	144	—	—	—	—	—
Brushing & Chipping	Manhour	—	9,441	7,686	3,424	3,580	3,580
Litter Pickup	Manhour	14,487	5,864	6,139	4,846	4,680	4,680
Cut & Fill Slope Repairs	Manhour	1,112	5,453	2,469	485	1,244	1,444
Maint Admin - Field Supervision	Manhour	15,987	16,336	15,795	16,151	15,400	15,400
Maint Admin - Office Support	Manhour	7,781	7,870	7,647	7,170	—	—
Training	Manhour	4,103	3,665	6,023	2,500	2,500	2,500

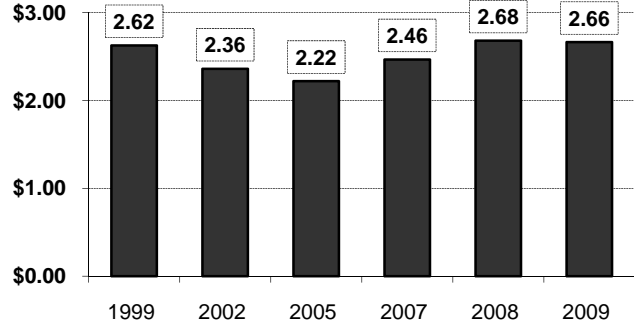
BUDGET RATIOS

Expense per Lane Mile of Road



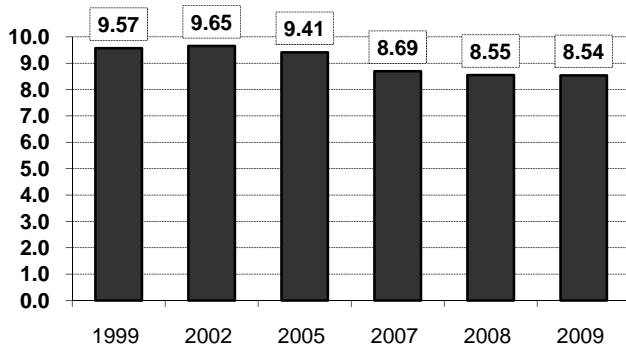
- ❖ From 1999 to 2009 the maintenance and operations expense per lane mile of road maintained increased 31% after adjusting for inflation because of higher fuel and asphalt costs. The ten year average is 8,412.

Expense per 100 Vehicle Miles Traveled



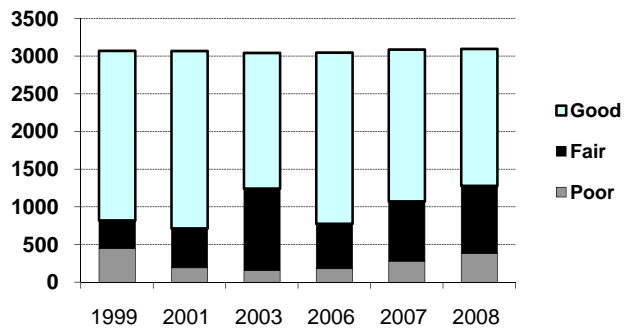
- ❖ From 1999 to 2009 the total maintenance and operations expense per 100 vehicle miles traveled increased 1% after adjusting for inflation. The ten year average is 2.44.

Lane Miles of Road per Employee



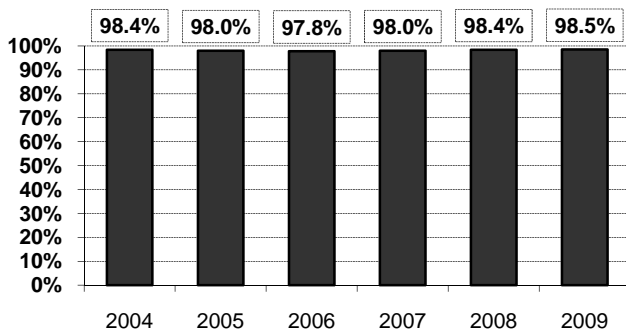
- ❖ From 1999 to 2009 the average number of lane miles of road maintained per department employee decreased 11%. The ten year average is 9.21.

Pavement Condition by Lane Miles



- ❖ From 1999 to 2008, the lane miles of road with a surface rating of good or fair increased 3%. Road condition assessment occurs late in the year. The ten year average good or fair is 2,828

Concurrency of Arterial Miles



- ❖ Pierce County has approximately 634 miles of arterials. A Pierce County roadway fails concurrency when the daily traffic volume exceeds the established service level standard. From 2004 to 2009, the percentage of miles meeting concurrency increased 0.1%. The six year average is 98.2%

EQUIPMENT RENTAL AND REVOLVING FUND

Internal Service Fund

The mission of the Equipment Services Division is to provide professional and competitive procurement, maintenance and disposal of transportation and construction equipment; to ensure safe operating equipment; and to meet the equipment services needs of County Roads, Sewer Utility, Parks and Recreation Services and Surface Water Management.

DEPARTMENTAL SUMMARY:

The Equipment Services Division of the Public Works and Utilities Department is responsible for the purchase, maintenance, and repair of County Road, Utility, River Improvement, and Parks and Recreation Department equipment. Repairs and preventive maintenance work is performed at the new Central Maintenance Shop garage and at five outlying shops located at Puyallup, Elk Plain, Chambers Creek, Purdy and River Improvement.

The Central Maintenance Shop maintains the primary inventory of vehicle supplies and parts, and utilizes an automated system to track the parts inventory. The Faster Fleet Management System, which compiles data to analyze performance, downtime, backlog, and frequency of repair data, has been implemented at all Equipment Service Division shops.

The ER&R Fund also provides material (asphalt, paint, traffic signals, etc.) for County Road operations.

BUDGET HIGHLIGHTS:

The 2010 Equipment Rental and Revolving Fund reflects a small increase from the 2009 budget, mostly due to inflation and a larger allocation for road maintenance materials.

FUNDING SOURCES							
	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change	
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 73,430	\$ 380,730	\$ 307,300	418.5	%
Charges for Services	4,422,916	5,361,270	4,853,440	6,170,100	1,316,660	27.1	
Miscellaneous Revenue	8,317,134	9,094,382	9,703,970	8,711,000	(992,970)	(10.2)	
Other Financing Sources	2,027,777	976,945	434,000	292,250	(141,750)	(32.7)	
Total	\$14,767,827	\$15,432,597	\$15,064,840	\$15,554,080	\$ 489,240	3.2	%

PROGRAM EXPENDITURES							
	2009 FTE	2010 FTE	2009 Budget	2010 Budget	Absolute Change	Percent Change	
Equipment Operating/Repair Srv	27.30	27.30	\$ 6,856,270	\$ 6,503,790	\$ (352,480)	(5.1)	%
Physical Improvement	—	—	43,330	44,940	1,610	3.7	
Capital Expenses	—	—	3,417,800	2,985,250	(432,550)	(12.7)	
Revolving Account Expenses	—	—	4,747,440	6,020,100	1,272,660	26.8	
Total	27.30	27.30	\$15,064,840	\$15,554,080	\$ 489,240	3.2	%

Equipment Rental and Revolving Fund

STAFFING SUMMARY

	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE	2010 FTE
Dir - Public Works & Util	0.04	0.05	0.05	0.05	0.05	0.05
Dept Support Services Mgr	—	—	—	0.20	0.20	0.20
Deputy PW & Utilities Dir	0.04	0.05	0.05	0.05	0.05	0.05
Equipment Svc Manager	1.00	1.00	1.00	1.00	1.00	1.00
Equipment Tech Lead	—	—	1.00	2.00	2.00	2.00
Equipment Tech - ASE Master	—	—	5.00	4.00	4.00	4.00
Equipment Tech - ASE	—	—	3.00	4.00	4.00	4.00
Equipment Supervisor	1.00	1.00	1.00	1.00	1.00	1.00
Equipment Tech	—	—	7.00	7.00	7.00	7.00
Equipment Oper Instructor	1.00	1.00	1.00	1.00	1.00	1.00
Equipment Svc Attendant	1.00	1.00	1.00	1.00	2.00	2.00
Parts Specialist Lead	1.00	1.00	1.00	1.00	1.00	1.00
Accounting Assistant	1.00	1.00	1.00	1.00	1.00	1.00
Parts Specialist	2.00	2.00	2.00	3.00	3.00	3.00
Administrative Svcs Mgr	0.13	0.15	0.20	—	—	—
Mechanic Heavy Duty Lead	1.00	1.00	—	—	—	—
Mechanic - ASE	2.00	2.00	—	—	—	—
Mechanic Heavy Duty	3.00	3.00	—	—	—	—
Mechanic	6.00	6.00	—	—	—	—
Mechanic Heavy Duty - ASE	4.00	4.00	—	—	—	—
Special Asst to Dir PW & Util	0.02	0.02	—	—	—	—
Office Assistant	0.20	—	—	—	—	—
Dept Info Tech Spec	0.03	—	—	—	—	—
Total	24.46	24.27	24.30	26.30	27.30	27.30

WORKLOAD SERVICE DATA

	Unit of Measure	2005 Actual	2006 Actual	2007 actual	2008 Actual	2009 Estimate	2010 Estimate
Active vehicles in fleet	Vehicles	448	472	478	488	494	487
Work orders processed per year	Work Order	5,337	5,254	5,163	5,364	5,400	5,500
Total vehicle operating hours	Hours	393,662	413,982	431,269	457,598	458,000	459,000

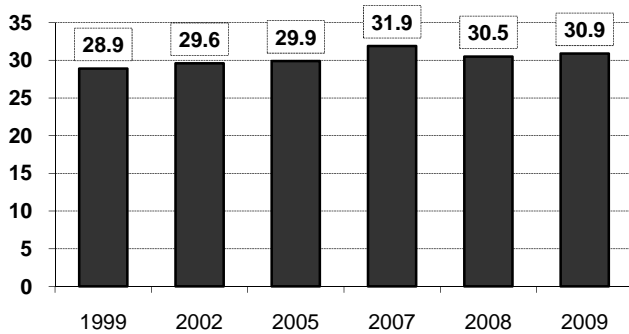
Equipment Rental and Revolving Fund

EQUIPMENT PURCHASES

Department	Qty	Equipment Description	2010 Budget
Replacement Equipment (funded by replacement reserve)			
Equipment Services Division	1	ESD Service Truck	\$ 100,000
Facilities	1	3/4T 4x4 Regular Cab P/U Truck with Plow	35,000
	3	1T Contractor Truck with Dump	159,000
Parks	3	1T Contractor Truck with Dump	159,000
	3	3/4T Ext Cab P/U Truck	70,500
	1	Small Tractor Loader/Backhoe	39,000
	1	Utility Transport	16,250
	1	Utility Transport with Groomer	25,000
Roads	1	1T Flatbed Truck	35,000
	1	8,000 lb Forklift	42,000
	1	Aerial Bucket Truck	185,000
	2	Street Sweeper	436,000
	3	Full Size 8 Passenger Van	76,500
Sewer Utilities	1	Sewer Jetter Truck	200,750
	1	Sewer Camera/Grout Truck	230,000
Surface Water Management	1	3/4T Regular Cab 4x4 P/U Truck	27,000
	1	Long Carriage Excavator	293,750
	1	Long Carriage Excavator (upgrade)	43,500
	1	Midsize 4x4 SUV	23,250
	25	Subtotal	2,196,500
New Equipment (funded by Department listed)			
Parks	1	1T Flatbed Dump Truck	31,750
	1	72" Mower with Blower	29,750
	1	Small Tractor Loader/Backhoe	41,000
	1	Utility Transport	15,750
Roads	1	1/2T Crewcab 4x4 Truck with Plow	30,500
	5	Subtotal	148,750
Other			
		Other Non-Vehicle Purchases	40,000
		Unscheduled Replacements	600,000
		Subtotal	640,000
Total	30		\$ 2,985,250

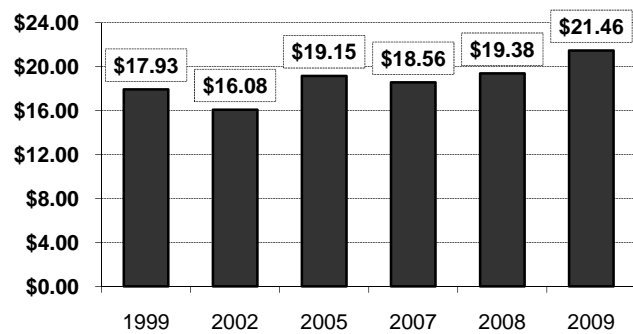
BUDGET RATIOS

Active Vehicles per Mechanic



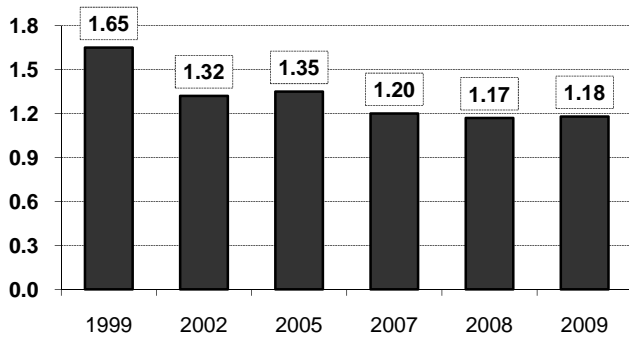
- ❖ From 1999 to 2009 the number of active vehicles per mechanic increased 7%. The ten year average is 30.3.

Operating Cost per Hour



- ❖ From 1999 to 2009 the operating cost per hour of vehicle usage increased 20% after adjusting for inflation. The ten year average is \$18.33.

Work Orders per 100 Hours of Operation



- ❖ From 1999 to 2009 the number of work orders per 100 hours of vehicle operation decreased 29%. The ten year average is 1.29.

FERRY SERVICES FUND

Enterprise Fund

DEPARTMENTAL SUMMARY:

The Ferry Services fund provides for the operation, maintenance, and capital improvement for the Pierce County ferry system, which consists of two ferry boats and the ferry landings at Steilacoom, Ketron Island, and Anderson Island. The fund's financial goal is to be as self-supporting as possible primarily through a mix of fare revenue, state ferry subsidy, and gas tax revenue. The County Road Fund subsidizes any revenue shortfall for the Ferry Services fund.

The ferry system is the only public method of transportation for people and goods for Ketron and Anderson Islands. Over 400,000 persons are transported to and from these islands annually. Outside contracted services are utilized to provide day to day operations of the ferry boats and ticket sales.

This fund includes the debt servicing of the \$10,588,000 in state loans for the construction of the current ferries. The debt outstanding on December 31, 2009 is \$6,220,675. The interest rate is 1% and .05% on the two loans payable annually on July 1.

BUDGET

The Ferry Service budget for 2010 reflects the following:

HIGHLIGHTS:

- a) Ferry service operating expenses;
- b) Major repair expenses for the Christine Anderson;
- c) Debt Service payments for the new ferry (largely state grant funded); and
- d) Preliminary design expenses for a second slip (federal stimulus monies).

FUNDING SOURCES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ —	\$ 84,800	\$ 84,800	∞ %
Intergovernmental Revenue	2,310,183	1,636,471	2,015,000	2,841,460	826,460	41.0
Charges for Services	2,014,802	1,886,133	2,192,000	2,000,000	(192,000)	(8.8)
Miscellaneous Revenue	241,043	1,085,779	247,000	736,540	489,540	198.2
Other Financing Sources	(1,539,862)	—	172,000	—	(172,000)	(100.0)
Total	\$ 3,026,166	\$ 4,608,383	\$ 4,626,000	\$ 5,662,800	\$ 1,036,800	22.4 %

Ferry Services Fund

EXPENDITURES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Salaries & Wages	\$ 135,692	\$ 221,427	\$ 279,070	\$ 303,580	\$ 24,510	8.8 %
Personnel Benefits	35,839	76,463	95,010	82,600	(12,410)	(13.1)
Supplies	629,443	544,477	785,480	652,780	(132,700)	(16.9)
Other Services & Charges	2,677,423	3,888,724	2,805,920	3,769,660	963,740	34.3
Intergovernmental Services	5,359	5,608	—	—	—	—
Capital Outlays	(65,476)	3,147	60,000	257,380	197,380	329.0
Debt Service	42,474	39,388	600,520	596,800	(3,720)	(0.6)
Total	\$ 3,460,754	\$ 4,779,234	\$ 4,626,000	\$ 5,662,800	\$ 1,036,800	22.4 %

STAFFING SUMMARY

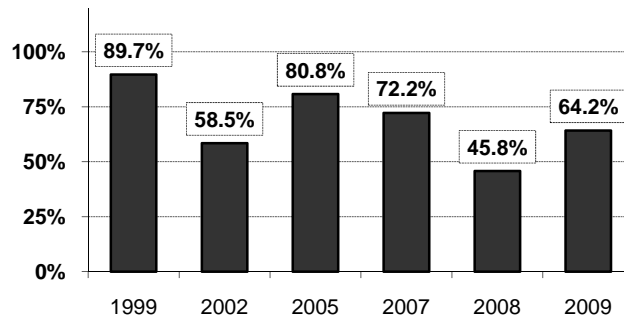
	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE	2010 FTE
Dir - Public Works & Util	0.04	0.02	0.02	0.02	0.02	0.02
Ferry/Airport Admin	—	—	—	—	0.50	0.50
Deputy PW & Utilities Dir	0.04	0.02	0.02	0.02	0.02	0.02
Budget & Fiscal Manager	—	—	—	—	—	0.10
Transportation Ops Supv	—	—	—	—	0.50	0.50
Civil Engineer	0.53	0.80	0.30	0.30	0.50	0.50
Planner	—	—	—	—	0.50	0.50
Accounting Assistant	0.20	0.40	0.42	0.42	0.68	0.64
Supervisory Admin Asst	—	—	—	—	—	0.35
Office Assistant	—	—	—	—	0.20	—
Maintenance Tech	0.30	0.30	0.30	0.30	—	—
Administrative Assistant	—	—	0.04	0.04	—	—
Public Works/Util Prj Crd	—	—	—	0.50	—	—
Accountant	0.29	0.25	0.42	0.42	—	—
Engineering Manager	0.04	—	0.10	0.10	—	—
Ferry Administrator	—	1.00	1.00	—	—	—
Special Asst to Dir PW&U	0.02	0.01	—	—	—	—
Administrative Aide	0.20	—	—	—	—	—
Engineering Tech	0.20	—	—	—	—	—
Dept Info Tech Spec	0.03	—	—	—	—	—
Total	1.89	2.80	2.62	2.12	2.92	3.13

WORKLOAD SERVICE DATA

	Unit of Measure	2005 Actual	2006 Actual	2007 Actual	2008 Actual	2009 Estimate	2010 Estimate
Total Ferry Ticket Sales	Tickets	212,529	211,996	196,094	192,511	194,000	200,000

BUDGET RATIOS

Extent of Self-Support from Ferry Tolls



- ❖ From 1999 to 2009 ferry tolls as a percentage of operating expenses (excluding depreciation and debt service) decreased by 28%. The ten year average is 68%.

Ferry Services Fund

PUBLIC WORKS CONSTRUCTION FUND

Capital Project Fund

**DEPARTMENTAL
SUMMARY:**

The Public Works Construction Fund was established to account for costs of transportation construction projects which typically extend beyond a single budget year. Costs are tracked over the life of each project for reimbursement and reporting purposes. Revenue sources for the projects include federal, state, or local funds.

State RCWs require the preparation of a plan for transportation improvement programs and projects. The document must be updated annually and filed with the Secretary of the Department of Transportation. In addition, each urban-area city and county must submit a separate program section identifying projects for submittal to the Transportation Improvement Board (TIB) for potential funding under the Urban Arterial Trust Account (UATA) or the Transportation Improvement Account (TIA). The plan also informs other jurisdictions of Pierce County's current planning direction for transportation needs. The six-year Transportation Improvement Plan (TIP) is approved by the Pierce County Council and submitted to the Puget Sound Regional Council for review and inclusion in the regional transportation plan. The list of construction projects shown on the following pages reflects anticipated expenditures for the current year only. Even though most projects extend over multiple years, an annual allocation is required for purposes of balancing the annual budget and to meet other legal requirements. The actual projects under construction may vary from those shown below as long as the project undertaken is authorized in one of the approved transportation planning documents referenced above.

**BUDGET
HIGHLIGHTS:**

The Public Works Construction Fund budget for 2010 totals \$33,330,000. The anticipated projects and related funding sources are shown later in this section. However, all projects listed in the Transportation Improvement Plan are eligible for activity in 2010.

Slightly less than half of the funding will be provided by the recently approved REET Bond Issue.

FUNDING SOURCES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 8,491,450	\$22,055,000	\$ 13,563,550	159.7 %
Intergovernmental Revenue	12,187,860	8,622,584	9,745,350	5,402,000	(4,343,350)	(44.6)
Charges for Services	1,818,102	136,418	1,544,200	123,000	(1,421,200)	(92.0)
Miscellaneous Revenue	12,050	9,100	—	—	—	—
Other Financing Sources	24,444,348	19,320,175	36,089,000	5,750,000	(30,339,000)	(84.1)
Total	\$38,462,360	\$28,088,277	\$55,870,000	\$33,330,000	\$(22,540,000)	(40.3) %

Public Works Construction Fund

EXPENDITURES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Salaries & Wages	\$ 3,620,893	\$ 4,076,795	\$ 6,008,520	\$ 5,429,640	\$ (578,880)	(9.6) %
Personnel Benefits	1,119,548	1,362,841	1,879,500	1,698,170	(181,330)	(9.6)
Supplies	67,763	141,886	129,080	103,000	(26,080)	(20.2)
Other Services & Charges	3,368,955	2,808,994	2,670,950	1,858,050	(812,900)	(30.4)
Intergovernmental Services	2,146,968	432,871	626,910	692,220	65,310	10.4
Capital Outlays	24,648,419	23,616,802	44,555,040	23,548,920	(21,006,120)	(47.1)
Total	\$34,972,546	\$32,440,189	\$55,870,000	\$33,330,000	\$ (22,540,000)	(40.3) %

PROJECT SUMMARY

2010 Funding Sources

(All Costs in \$1000's)

Real

Estate Traffic

Excise Impact

Project Name	Project Limits	CRP #	Total Cost	2010 Budget	Carry-over	Road Fund	Estate Excise Tax	Traffic Impact Fees	Other
A St S / 112th St S	Intersection	5423	TBD	\$ 130	\$ —	\$ —	\$ —	\$ —	\$ 130
Bridge #1172-C / 288 St S	At Lacamas Creek	5733	1,300	13	13	—	—	—	—
Bridge #19204-H / 70 Ave E	River Rd E (SR-167) to N Levee Rd E	5369	TBD	50	6	—	—	—	44
Bridge #2210-B / S Vaughn Rd Kpn	S Vaughn Rd KPN over Vaughn Bay	5352	2,900	635	—	—	—	—	635
Bridge #36193-A / 176 St E	176 St E over Tacoma Rail	5387	6,000	400	250	—	150	—	—
Canyon Rd E	131 St Ct E to 116 St E	5433	12,100	2	2	—	—	—	—
Canyon Rd E	160 St E to 116 St E	5714	970	2	2	—	—	—	—
Canyon Rd E	160 St E to 131 St Ct E	5404	11,900	2	2	—	—	—	—
Canyon Rd E	172 St E to 160 St E	5656	16,000	495	—	—	494	—	1
Canyon Rd E	99 St Ct E to 900' N of 84 St E	5726	23,000	800	410	—	—	131	259
Canyon Rd E / Northerly Extension	Pioneer Way E to 52 St E / 62 Ave E	5643	25,000	535	—	—	—	82	453
Canyon Rd E / Northerly Extension	Wetland Mitigation Site - Sasaki Parcel	5737	750	1	1	—	—	—	—
Canyon Rd E / Southerly Extension	200 St E to 192 St E	5688	2,800	2	—	—	—	2	—
Canyon Rd E / Southerly Extension	224 St E to 192 St E	5764	TBD	290	—	—	290	—	—
Canyon Rd E / Southerly Extension	260 St E / SR-7 to 224 St E	5124	15,000	1	1	—	—	—	—
Cromwell Dr NW / Seawall Repair	200' W of 56 Av Ct NW to 800' E of 56 Ave Ct NW	5716	TBD	1	1	—	—	—	—
Crystal Mountain Blvd E	Milepost 3.25 to Crystal Mountain Ski Area	5771	TBD	1	1	—	—	—	—
Crystal Mountain Blvd E	ST-410 to Milepost 3.25	5738	5,500	140	32	—	—	—	108
Day Labor	Countywide	5000	1,250	1	1	—	—	—	—
Fairfax Forest Reserve Rd	At Milepost 1.70 to 1.72	5746	560	430	86	—	—	—	344
FI Bridge Rd NW / Warren Dr NW / 32 St NW	FI Br #26211-A to 70 Ave NW	5667	3,100	25	25	—	—	—	—
Garfield St S	Park Ave S to SR-7	5730	TBD	1	1	—	—	—	—
Grant/Developer Leveraging Program	Various Locations	5999	320	1	1	—	—	—	—
Guardrail Program - 2009	Countywide	5724	220	2	2	—	—	—	—
Guardrail Program - 2010	Countywide	5776	100	100	100	—	—	—	—
Jahn Ave NW / 32 St NW / 22 Ave NW	36 St NW to 24 St NW	5540	1,500	440	389	—	—	—	51
Key Pen Hwy Kpn / 134 St Kpn	Intersection	5765	TBD	1	1	—	—	—	—
Key Pen Hwy Kpn/Olsen Rd Kpn/Cramer Rd Kpn	Intersection	5740	2,400	400	290	—	—	11	99
Lackey Rd Kpn / Jackson Rd Kpn / Kph Kpn	Intersection	5769	2,200	370	83	—	—	—	287
Military Rd E / 122 Ave E	830' S of 136 St E to Reservoir Rd E	5145	2,800	2	2	—	—	—	—
Military Rd E / 122 St E	130 Ave Ct E to SR-162	5592	300	1	—	—	—	1	—
Military Rd E / Reservoir Rd E	Intersection	5514	1,550	25	23	—	—	2	—
Military Rd S / Spanaway Loop Rd S	Intersection	5717	TBD	130	8	—	—	—	122
Miscellaneous Engineering	Various Locations	5100	320	1	1	—	—	—	—
Orting Kapowsin Hwy E / 200 St E	Intersection	5758	TBD	110	25	—	—	85	—

PROJECT SUMMARY

2010 Funding Sources

(All Costs in \$1000's)

Real

Estate Traffic

Excise Impact

Project Name	Project Limits	CRP #	Total Cost	2010 Funding Sources					
				2010 Budget	Carry-over	Road Fund	Excise Tax	Traffic Impact Fees	Other
Oreville Rd E - Asphalt Overlay	Orting Kapowsin to Camp 1 Rd	5770	950	925	42	—	—	—	883
Pioneer Way E / Waller Rd E	Intersection	5628	3,300	74	24	—	—	50	—
Portland Ave E - Study	SR-512 to Tacoma CL (Vicinity of 74 St Ct E)	5718	50	2	2	—	—	—	—
Rural Road Shoulder Enhancement	Various Locations Countywide	5772	400	380	—	—	—	—	380
Sehmel Dr NW	Homsted Park to Bujacich Dr NW	5705	TBD	1	1	—	—	—	—
Shaw Rd E	122 St E to Puyallup City Limits	5759	TBD	150	—	—	—	150	—
Spanaway Loop Rd S	S of Garfield St S to N of Wheeler St S	5664	1,100	2	2	—	—	—	—
Spanaway Loop Rd S	SR-704 to Military Rd S	5773	110	106	106	—	—	—	—
Spot Safety Program	Various Locations	5247	160	1	1	—	—	—	—
SR-167	W of and E of new Bridge #19204-H	5644	TBD	50	6	—	—	—	44
SR-167 / Stewart Rd	W Valley Hwy E to SR-167 NB On-Ramp	5467	300	1	1	—	—	—	—
SR-507 / 8 Ave S	Intersection	5747	100	50	50	—	—	—	—
SR-704 (Cross Base Hwy)	I-5 to 176 St S	5469	5,100	1	1	—	—	—	—
State Contract Participation	Various Locations	5199	600	100	100	—	—	—	—
Stewart Rd	Bridge #1204-A to Lake Tapps Pkwy E	5660	7,300	1,800	598	—	—	—	1,202
Sumner Tapps Hwy E / S Tapps Dr E	Intersection	5708	TBD	130	—	—	—	130	—
Valley Ave E / 70 Ave E	Freeman Rd E to 20 St E	5148	1,650	542	542	—	—	—	—
Waller Rd E / 128 St E	Intersection	5633	TBD	120	40	—	—	80	—
Waller Rd E / 84 St E	Intersection	5760	TBD	120	30	—	—	90	—
Wetland Banking Program	Various Locations	5330	235	1	1	—	—	—	—
Wollochet Dr NW	40 St NW to 600' N of East Bay Dr NW	5696	13,500	180	45	—	130	5	—
Wollochet Dr NW	600' N of E Bay Dr NW to 400' N of Fillmore Dr NW	5542	6,600	414	—	—	414	—	—
Woodland Ave E - SWM Project	N of 112th St E?	5774	20	20	20	—	—	—	—
Woodland Ave E / 128 St E	Intersection	5634	1,700	25	23	—	—	2	—
Woodland Ave E / 160 St E	Intersection	5753	TBD	80	80	—	—	—	—
9 St E / 12 St E	182 Ave E to 198 Ave E	5757	1,700	130	—	—	—	—	130
12 St E / 210 Ave E	Vicinity of 208 Ave E to 1300 Block	5761	TBD	1	1	—	—	—	—
22 Ave E / 152 St E	Intersection	5650	TBD	120	60	—	—	60	—
22 Ave E / 176 St E	Intersection	5756	TBD	1	1	—	—	—	—
36 St NW	Gig Harbor City Limits to 22 Ave NW	5531	850	1	1	—	—	—	—
52 St E / 66 Ave E	Intersection	5719	TBD	1	1	—	—	—	—
52 St E / 70 Ave E	52 St E / 62 Ave E to River Rd E (SR-167)	5498	TBD	290	40	—	—	—	250
62 Ave E	52 St E to SR-167	5720	50	1	1	—	—	—	—
70 Ave E	N Levee Rd E to 500' S of 45 St Ct E	5645	TBD	50	6	—	—	—	44

Public Works Construction Fund

PROJECT SUMMARY

2010 Funding Sources

(All Costs in \$1000's)

Real

Estate

Traffic

Excise

Impact

Project Name	Project Limits	CRP #	Total Cost	2010 Funding Sources						
				2010 Budget	Carry-over	Road Fund	Excise Tax	Traffic Impact Fees	Other	
78 Ave E	176 St E to 160 St E	5651	600	1	1	—	—	—	—	
78 Ave E / 184 St E	Intersection	5661	TBD	100	—	—	—	100	—	
78 Ave E / 192 St E	Intersection	5641	1,200	1	1	—	—	—	—	
86 Ave E	176 St E to 152 St E	5549	270	1	1	—	—	—	—	
86 Ave E / 128 St E	Intersection	5491	2,200	2	—	—	—	2	—	
94 Ave E	157 St E to 152 St E	5721	50	1	1	—	—	—	—	
94 Ave E	200' S of 144 St E to 500' S of 136 St E	5533	TBD	1	1	—	—	—	—	
94 Ave E	500' S of 136 St E to 116 St E	5532	15,900	125	—	—	125	—	—	
94 Ave E / 144 St E	Intersection	5743	TBD	185	—	—	—	185	—	
94 Ave E / 152 St E	Intersection	5510	TBD	110	—	—	—	110	—	
111 Ave E / 122 St E	Intersection	5744	TBD	120	60	—	—	60	—	
111 Ave E / 128 St E	Intersection	5685	TBD	100	40	—	—	60	—	
112 St E	198 Ave E / 199 Ave Ct E to 300' W of 203 Ave E	5590	1,200	1	1	—	—	—	—	
112 St E	300' E of Woodland Ave E to 86 Ave E	5534	16,200	2,799	2,740	—	—	—	59	
112 St E	500' E of "A" St S to 18 Ave E	5686	TBD	1	1	—	—	—	—	
122 Ave E / 144 St E	Intersection	5763	TBD	1	1	—	—	—	—	
128 St E / Cascadia Blvd E / Falling Water Blvd E	SR-162 to Falling Water Blvd	5731	TBD	1	1	—	—	—	—	
176 St E	"B" St E to 14 Ave E	5471	18,000	1	—	—	—	—	—	
176 St E	1,000' E of Canyon Rd E to 300' W of 78 Ave E	5472	3,900	1,187	—	—	1,187	—	—	
176 St E	100' E of Canyon Rd E to Gem Heights Blvd E	5762	16,500	15,250	—	—	12,000	3,250	—	
176 St E	14 Ave E to Waller Rd E	5536	13,500	1	—	—	—	1	—	
176 St E	300' W of 78 Ave E to 600' E of 78 Ave E	5723	2,000	93	—	—	93	—	—	
176 St E	Waller Rd E to 500' W of 51 Ave E	5537	20,050	181	—	—	181	—	—	
176 St E Ext	130 Ave E to Urban Growth Area (UGA) Boundry	5444	24,000	1	1	—	—	—	—	
176 St E Ext	UGA Boundry to BR 31195-A Calistoga Ave E	5694	13,000	1	1	—	—	—	—	
184 St E	82 Ave E to 86 Ave E	5596	TBD	100	—	—	—	100	—	
192 St E	38 Ave E to Canyon Rd E	5487	2,200	250	250	—	—	—	—	
198 Ave E	120 St E to Rhodes Lake Rd E	5674	500	1	—	—	—	1	—	
198 Ave E	144 St E to 120 St E	5675	1,500	1	1	—	—	—	—	
198 Ave E / 199 Ave Ct E	Rhodes Lake Rd to 104 St E	5676	3,600	1	—	—	—	1	—	
3R Program - 2009	Various Roads Countywide	5742	2,700	2	2	—	—	—	—	
3R Program - 2011	Various Roads Countywide	5775	2,850	50	50	—	—	—	—	
2010 Asphalt Overlay Program	Various Roads Countywide	5768	1,300	1,250	250	1,000	—	—	—	
Total			\$ 348,835	\$ 33,330	\$ 6,989	\$ 1,000	\$ 15,066	\$ 4,750	\$ 5,525	

Public Works Construction Fund

Public Works Construction Fund

REET 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 2010 REET River budget is 14.7% below the 2009 amount, due mostly to a reduction in grant monies available for land purchases. The 2010 budget does include:

- a) Major flood plain land purchases and related expenses (\$3,547,860) – partially funded with grant monies;
- b) The Needham Road Levee work (\$500,000);
- c) Major studies and design work (\$1,290,000); and
- d) Administration and other operating expenses (\$314,750).

We are proposing the use of \$2.2 million in fund balance to finance this budget.

FUNDING SOURCES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 314,180	\$ 2,231,610	\$ 1,917,430	610.3 %
Taxes	1,755,806	1,184,493	1,200,000	796,000	(404,000)	(33.7)
Intergovernmental Revenue	139,861	383,401	5,110,080	2,625,000	(2,485,080)	(48.6)
Miscellaneous Revenue	—	1,525	—	—	—	—
Total	\$ 1,895,667	\$ 1,569,419	\$ 6,624,260	\$ 5,652,610	\$ (971,650)	(14.7) %

PROGRAM EXPENDITURES

	2009 FTE	2010 FTE	2009 Budget	2010 Budget	Absolute Change	Percent Change
Administration & Tech Support	1.51	1.51	\$ 1,295,260	\$ 1,604,750	\$ 309,490	23.9 %
Basin Plan & Land Acquisition	—	—	5,329,000	4,047,860	(1,281,140)	(24.0)
Total	1.51	1.51	\$ 6,624,260	\$ 5,652,610	\$ (971,650)	(14.7) %

REET River Fund

STAFFING SUMMARY

	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE	2010 FTE
Water Programs Manager	0.05	0.05	0.05	0.05	0.05	0.05
Civil Engineer	0.90	0.75	0.90	0.90	0.90	0.90
Right of Way Agent	0.15	0.15	0.15	0.15	0.15	0.15
GIS Specialist	0.06	0.06	0.06	0.06	0.06	0.06
Grant Accountant	—	—	—	—	—	0.25
Environmental Biologist	—	0.10	0.10	0.10	0.10	0.10
Accounting Assistant	0.30	0.25	0.25	0.25	0.25	—
Planner	—	0.03	—	—	—	—
Administrative Svcs Mgr	0.03	—	—	—	—	—
Fiscal Services Manager	0.05	—	—	—	—	—
Supervisory Admin Asst	0.03	—	—	—	—	—
Total	1.57	1.39	1.51	1.51	1.51	1.51

SECOND REET ROADS FUND

Special Revenue Fund

DEPARTMENTAL SUMMARY: The Second Real Estate Excise Tax (REET), which can only be allocated for infrastructure projects (e.g., roads, sewers, parks, water systems), was approved in late 2001 to be effective in 2002. The Council approved an allocation of 75% for Transportation projects and 25% for Parks and Recreation projects.

BUDGET HIGHLIGHTS: The 2010 budget revenues reflect annual real estate excise tax proceeds plus an anticipated bond sale (in late 2010). These revenues will be budgeted for debt service on the bond just sold in 2009, minor administrative costs, and a reserve for the projects to be funded from the 2010 bond sale.

FUNDING SOURCES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 274,000	\$ —	\$ (274,000)	(100.0) %
Taxes	5,266,504	3,529,835	3,600,000	2,386,000	(1,214,000)	(33.7)
Other Financing Sources	—	—	19,000,000	22,000,000	3,000,000	15.8
Total	\$ 5,266,504	\$ 3,529,835	\$22,874,000	\$24,386,000	\$ 1,512,000	6.6 %

EXPENDITURES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Capital Outlay	\$11,768,738	\$10,169,822	\$22,315,000	\$ —	\$ (22,315,000)	(100.0) %
Other Services & Charges	29,540	74,550	83,640	15,840	(67,800)	(81.1)
Debt Services	—	—	475,360	1,710,980	1,235,620	259.9
Reserve for Future Projects	—	—	—	22,659,180	22,659,180	∞
Total	\$11,798,278	\$10,244,372	\$22,874,000	\$ 24,386,000	\$ 1,512,000	6.6 %

Second REET Roads Fund

SEWER REVENUE BONDS FUND

Enterprise Fund

DEPARTMENTAL

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

SUMMARY:

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, 2009 is \$8,420,000.

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, 2009 is \$34,560,000; \$32,500,000 payable by the General Fund and \$2,060,000 payable by the Sewer Utility.

State Public Works Board Loan for Steilacoom, 1999 – The \$477,659 sewer improvement loan is due in annual installments \$43,424 plus interest of 1.0%. The maturity date is July 1, 2019. Financing is provided from a surcharge assessed the customers of the City of Dupont. The loan can be repaid at anytime without penalty. The outstanding Bonds balance at December 31, 2009 is \$434,235.

State Public Works Board Loan for Steilacoom, 2005 – The \$1,403,186 sewer improvement loan is due in annual installments \$82,540 plus interest of 0.5%. The maturity date is July 1, 2025. Financing is provided from a surcharge assessed the customers of the City of Dupont. The loan can be repaid at anytime without penalty. The outstanding bonds balance at December 31, 2009 is \$1,320,646.

Sewer Revenue Bonds Fund

FINANCIAL SUMMARY

Bond Issue	2010 Revenue	2010 Expense
Sewer Revenue Bonds Accounts		
Operating Transfer from Sewer Assessment Account	\$ 312,780	\$ 412,780
Operating Transfer from Sewer Revenue Bond Reserve Account	100,000	—
Principal	—	—
Interest & Amortization Expense	—	—
Use of Fund Balance	—	—
Subtotal	412,780	412,780
Limited Tax GO/Sewer Revenue Bond Accounts		
Operating Transfer from Sewer Assessment Account	473,980	—
Use of Fund Balance	—	—
Principal	—	375,000
Interest & Amortization Expense	—	98,980
Subtotal	473,980	473,980
Installment Contract (State Loan) Accounts		
Debt Service Sewer Surcharge	56,740	—
Use of Fund Balance	74,190	—
Principal	—	125,970
Interest & Amortization Expense	6,000	10,960
Subtotal	136,930	136,930
Assessment Collection Account		
Assessments Principal Receivable	370,000	—
Interest & Penalties on Assessments	240,000	—
Investment Interest	10,000	—
Use of Fund Balance	166,760	—
Operating Transfer to Sewer Revenue Bond Account	—	312,780
Operating Transfer to LTGO Bond Account	—	473,980
Subtotal	786,760	786,760
Sewer Revenue Bond Reserve Account		
Investment Interest	10,700	—
Use of Fund Balance	89,300	—
Operating Transfer to Sewer Bond Account	—	100,000
Subtotal	100,000	100,000
Grand Total	\$ 1,910,450	\$ 1,910,450

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 2010 Sewer Utility Fund budget is 15% below the 2009 level due mostly to a reduced allocation for capital projects. The proposed budget reflects the following items of note.

- a) An allocation of \$2.9 million for capital improvements (transferred to the Sewer Utility Construction Fund);
- b) The use of \$767,330 in fund balance to support this proposed budget; and
- c) A proposed sewer rate increase of 2.5% to cover annual inflation cost increases.

Major issues concerning needed capital improvements, bond issue financing, related rate increases, and county interim financing for sewer system extensions will be reviewed in more detail this fall. No specific recommendation regarding these issues is reflected in this proposed budget.

Sewer Utility Fund

FUNDING SOURCES						
	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 6,295,700	\$ 767,330	\$ (5,528,370)	(87.8) %
Intergovernmental Revenue	(8,215)	2,645	—	—	—	—
Charges for Services	30,790,489	31,386,543	34,272,510	33,690,120	(582,390)	(1.7)
Miscellaneous Revenue	811,440	544,329	301,850	295,850	(6,000)	(2.0)
Contributed Capital	415,277	168,673	50,000	21,000	(29,000)	(58.0)
Other Financing Sources	(1,384,369)	(33,698)	—	—	—	—
Total	\$30,624,622	\$32,068,492	\$40,920,060	\$34,774,300	\$ (6,145,760)	(15.0) %

PROGRAM EXPENDITURES						
	2009 FTE	2010 FTE	2009 Budget	2010 Budget	Absolute Change	Percent Change
Collection System Maintenance	44.77	44.77	\$ 6,890,940	\$ 6,948,130	\$ 57,190	0.8 %
Wastewater Treatment O & M	45.66	45.42	10,295,820	10,786,950	491,130	4.8
Admin, Engineering, & Planning	49.31	48.52	11,996,650	10,822,670	(1,173,980)	(9.8)
Capital Improvement & Equip	—	—	9,788,020	3,564,500	(6,223,520)	(63.6)
Utility Public Development	9.35	11.27	1,948,630	2,652,050	703,420	36.1
Total	149.09	149.98	\$40,920,060	\$34,774,300	\$ (6,145,760)	(15.0) %

Sewer Utility Fund

STAFFING SUMMARY

	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE	2010 FTE
Dir - Public Works & Util	0.20	0.24	0.24	0.24	0.24	0.22
Special Projects Manager	—	—	—	0.56	0.50	0.50
Public Development Mgr	—	—	—	0.30	1.00	1.00
WW Utility Manager	1.00	1.00	0.90	0.90	0.90	0.90
Maint Manager	—	—	—	—	1.00	1.00
WWTP Superintendent	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
Engineering Manager	1.00	1.00	1.00	1.00	2.00	2.00
Strategic Plng/Asset Manager	1.00	1.00	1.00	1.00	1.00	1.00
WW Collection System Manager	1.00	1.00	1.00	1.00	1.00	1.00
Deputy PW & Utilities Dir	0.20	0.24	0.24	0.24	0.24	0.22
Budget & Fiscal Manager	—	—	—	—	—	0.70
Fiscal Services Manager	0.40	0.40	0.40	0.40	0.40	—
Planner	1.85	2.90	2.90	3.00	3.00	3.00
WW Coll Maint Supv	2.00	2.00	2.00	2.00	2.00	2.00
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	2.00	1.00	1.00	1.00
Maintenance & Ops Supv	—	—	—	1.00	1.00	1.00
Right of way Agent	—	—	—	0.24	0.24	0.24
Utilities Maint Field Sup	—	—	—	—	6.00	6.00
Civil Engineer	11.00	12.00	12.00	15.00	16.00	16.00
WW Asst Coll System Manager	1.00	1.00	1.00	1.00	1.00	1.00
Admin Program Manager	—	—	—	0.70	0.70	0.70
Grant Accountant	—	—	—	—	0.67	1.00
Public Works/Util Supv	—	—	—	1.00	1.00	1.00
WWTP Lab Analyst	1.00	1.00	1.00	1.00	1.00	1.00
WW Maint Spec Mech	5.00	5.00	5.00	18.00	18.00	18.00
WWTP Operator	12.00	12.00	11.00	11.00	13.00	13.00
Engineering Tech	12.00	14.00	16.00	17.00	17.00	17.00
Accounting Assistant	5.80	5.80	7.10	6.40	5.76	6.16
Communications Coordinator	—	—	—	1.00	1.00	1.00
Supervisory Admin Asst	0.62	0.62	0.62	0.62	0.44	0.60
WW Maint Tech	25.00	28.00	31.00	20.00	19.00	19.00
Administrative Asst	0.55	0.55	1.55	1.00	1.00	1.00
Office Assistant	8.00	9.00	8.90	8.90	8.00	7.74
WW Inventory Expeditor	1.00	1.00	1.00	1.00	1.00	1.00
WW Maint Spec Elec	2.00	3.00	3.00	3.00	3.00	3.00
WW Maint Spec Inst	4.00	4.00	4.00	4.00	4.00	4.00
WW Maint Worker	2.00	—	—	—	1.00	1.00
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
Parts Specialist	—	—	—	—	1.00	1.00
WWTP Utility Worker	4.00	4.00	4.00	4.00	5.00	5.00
WW Field Supervisor	—	—	—	5.00	—	—
WW Asst Construction Proj Mgr	—	—	—	2.00	—	—
Contracts Coordinator	—	—	—	0.55	—	—

(Table continued on the following page)

Sewer Utility Fund

STAFFING SUMMARY

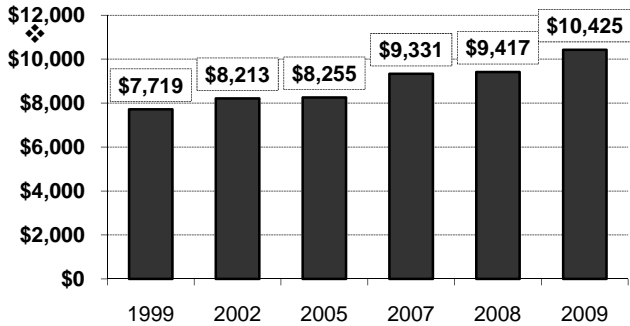
	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE	2010 FTE
Records Specialist	0.34	0.34	0.34	0.34	—	—
WW Coll Maint Tech Lead	3.00	3.00	4.00	—	—	—
Civil Engineer - In - Training	—	1.00	1.00	—	—	—
Public Works Supervisor	—	—	1.00	—	—	—
Administrative Svcs Manager	0.28	0.23	0.36	—	—	—
Special Asst to Dir of PW & U	0.44	0.65	0.30	—	—	—
Dept Info Tech Spec	0.47	0.17	—	—	—	—
Total	118.15	126.14	134.85	144.39	149.09	149.98

WORKLOAD SERVICE DATA

	Unit of Measure	2005 Actual	2006 Actual	2007 Actual	2008 Actual	2009 Estimate	2010 Estimate
Laboratory Analysis	Tests	28,313	32,711	26,150	27,545	28,300	28,300
Pretreatment Program	Reviews	1,544	1,660	1,534	1,590	1,500	1,500
Accidental Spill Prevention Program	Reviews	373	398	437	558	500	500
Residual Hauling/Acceptance	Wet tons	13,316	8,095	798	—	—	—
Fertilizer (Replaced Hauling/Accept)	Tons		704	1,952	2,200	2,300	2,400
Residual Dryness	Percentage	14.8	17.4	19.5	19.9	20.0	20.0
Avg Daily Wastewater Flow Rec	ADF/MGD	16.65	18.90	18.41	17.46	18.00	18.20
Preventative Maintenance	Orders	12,733	11,803	10,071	10,916	10,000	10,000
Pump Station Maintenance Visits	Visits	4,471	4,826	5,112	5,603	5,150	5,600
Auxiliary Power System Maint	Visits	1,263	1,052	1,108	1,092	1,100	1,100
Residential Grinder Pump	Visits	1,233	1,240	1,356	1,490	1,050	1,200
Sewer Line Cleaning	Linear Ft	1,042,525	1,029,600	1,133,834	1,001,128	1,000,000	900,000
Sewer Utilities Locates	Visits	15,688	13,815	12,590	9,591	10,900	10,900
Smoke Testing	Linear Ft	313,986	355,492	505,657	332,110	350,000	320,000
Sewer Manhole	Repairs	875	701	925	985	800	850
Inflow & Infiltration	Repairs	316	330	259	290	300	200
Television Inspection	Linear Ft	478,223	347,299	283,547	591,161	350,000	350,000
Emergency Pump Station Calls	Incidents	76	73	88	86	99	99
Sewer Line Blockages	Incidents	—	7	6	4	9	11
Active Billing Accounts	Accounts	51,341	53,618	55,637	56,858	57,362	57,862
Permits, Reviews & Inspections	Cases	6,337	5,771	5,503	3,667	2,500	3,000
Collector Pipe	Miles	623	628	641	658	661	685

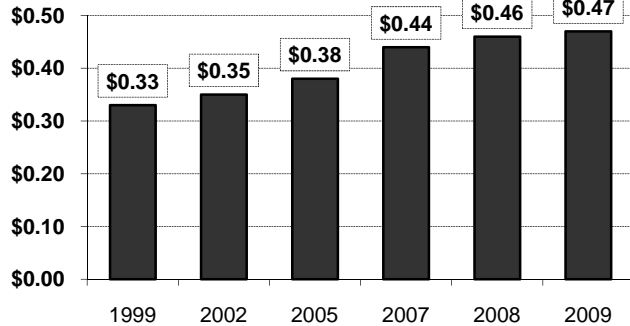
BUDGET RATIOS

Maintenance Cost per Mile of Pipe



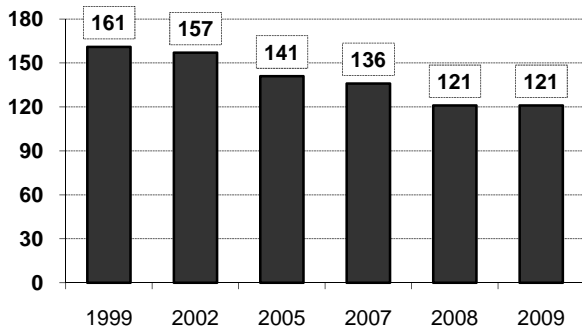
❖ From 1999 to 2009 the maintenance cost per mile of collection pipe increased 35% after adjusting for inflation. The ten year average is \$8,501.

Treatment Cost per Daily Gallon



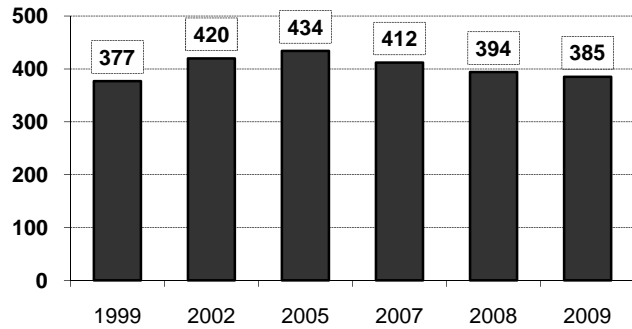
❖ From 1999 to 2009 the treatment cost per daily gallon of wastewater increased 41% after adjusting for inflation. The ten year average is \$0.40.

Wastewater Treated per Employee
Gallons in Thousands



❖ From 1999 to 2009 the number of gallons of wastewater treated daily per Sewer Utility employee decreased 25%. The ten year average is 142.

Customer Accounts per Employee



❖ From 1999 to 2009 the number of active customer accounts per Sewer Utility employee increased 2%. The ten year average is 415.

Sewer Utility Fund

SEWER UTILITY CONSTRUCTION/RESERVE 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:

Chambers Creek Regional Wastewater Treatment Plant - Expansion – This is a preservation and capacity improvement project for the Chambers Creek Regional Wastewater Treatment Plant including providing increased treatment capacity for the expansion and growth of the County’s Sewer Service Area, along with preservation of the system. The project is broken into ten sub-projects or sections with each section dependent upon the sub-projects within the section for a completed phase.

Chambers Creek Regional Wastewater Treatment Plant – SCADA Plant Communications Upgrade – A Maintenance project to replace the Open Process software programming currently used in the Supervisory Control and Data Acquisition (SCADA) process with traditional ladder logic programming making additions and/or changes simpler to effect. Replace s WWTP SCADA Open Process Replacement.

Chambers Creek Regional Wastewater Treatment Plant – Emergency Generator Replacement and Expansion – Existing emergency generator capacity is inadequate to provide continuous power to the biological process sections of the WWTP. Current levels of back-up last approximately one hour then systems start to fail and the overall biologic processes begin to be compromised. This upgrade will insure that in the event of a large scale blackout and/or power failure the plant’s biologic processes will function normally until resumption of normal power supplies.

Chambers Creek Regional Wastewater Treatment Plant – Electric Vault Dewatering Upgrades – The existing vaults are not flood proof and several flooded during the December 2007 storm event. There is a high risk of electrical failure as well as a safety risk associated with vault flooding. Maintenance of flooded vaults requires significant staff time. This improvement project would water proof and install covers to maintain a dry environment.

Chambers Creek Regional Wastewater Treatment Plant – Plant Side Development – This improvement project consists of two sub-projects; Biological Treatment Process and Civil Improvements and Site Development. Both projects are integral to the expansion of the WWTP and the separation and insulation of the WWTP from other Chambers Creek Properties improvements.

Chambers Creek Regional Wastewater Treatment Plant – Disinfection Improvements Phase 1 – This improvement projects consists of expansion of the ultraviolet systems integral to the expansion of the WWTP’s ongoing disinfection improvement efforts to both satisfy our current NPDES discharge Permit and upcoming new requirements from Governor’s Puget Sound Initiative.

Chambers Creek Regional Wastewater Treatment Plant – Disinfection – This improvement project consists of projects integral to the expansion of the WWTP’s ongoing disinfection improvement efforts to both satisfy our current NPDES discharge

Permit and upcoming new requirements from the Governor's Puget Sound Initiative.

Chambers Creek Regional Wastewater Treatment Plant – Non Process Facility

Expansion – This improvement project consists of five sub-projects; a Sewer and Traffic Operations Facility, Maintenance and Warehousing Improvements, Fertilizer Storage Facility, WWTP Laboratory and Testing Facility Expansion, and Administrative building Expansion. All projects are to improve WWTP efforts in materials storage, vehicle storage and maintenance, and vehicle operations.

Current Laboratory facilities are stretched to the maximum usefulness, with the onset of the Cascadia Sewage System additional high level testing will be required to meet State Department of Ecology and Health guidelines for the MBR facilities. Laboratory Improvement will also assist in the Utility's meeting all NPDES permit requirements. Both Administrative and Locker Facility Improvements are needed to cope with increased staffing levels.

Chambers Creek Regional Wastewater Treatment Plant – Liquid Stream Process

Improvements – This improvement project consists of 11 sub-projects; Service Air Integration, Solids Thickening Expansion, Electrical Systems Upgrades, Phase 1 Utilidor Development, Process Water System Renovation, Biological Process Improvements Phase I, Biologic Process Building Expansion with Blowers, 2MGD Reclaimed Water Facility, Primary Tank Sedimentation Rehabilitation, Primary Influent Channel Improvements, and Primary Sedimentation Basin Odor Control. All proposed improvements are required to increase and modernize the liquid stream systems within the WWTP and into the WWTP Expansion.

Chambers Creek Regional Wastewater Treatment Plant – Biosolids Improvement

Phase 1 – This improvement project consists of five sub-projects; Digester Expansion Phase 1, Fertilizer Manufacturing Facility Expansion Phase 1, Dewatering Expansion, Heating and Energy Project and Headwork's repair and Replacement Projects. These five projects will allow the expansion and improvement of the fertilizer manufacturing facility and its supporting systems.

Chambers Creek Regional Wastewater Treatment Plant – Miscellaneous Repair and Replacement Projects – An improvement and preservation project to cover small scale system-wide repair and replacement projects during the WWTP Expansion.

WWTP Influent Flow Monitoring – An operations project to upgrade influent flow metering to comply with existing requirements of the WWTP NPDES permit.

Chambers Creek Tunnel Rehabilitation Phase 2 – A preservation project that provides for the rehabilitation and protection of the existing Chambers Creek Tunnel that has experienced accelerated hydrogen sulfide corrosion, The initial project included the lining of approximately 4,200 feet of the tunnel. Continued rehabilitation will include the re-lining of 1,100+ feet of the tunnel structure. The entire Tunnel length is over 12,000 lineal feet.

Collection System Flow Meters – This is an operations project for the installation of flow meters throughout the County's collection system. In 2001, ten flow meters were installed, nine in the CIP budget and one in the maintenance budget. This system of meters allows the Utility to accurately measure flows, within the system, identify illegal dumps into the sewer system, and predict system improvements as the collection system expands.

Chambers Creek Regional Wastewater Treatment Plant – Energy Dissipator Rehabilitation and Odor Control - This preservation project includes the rehabilitation of deteriorating unlined concrete surfaces of this structure at the wastewater treatment plant. Odor Control measures will also be implemented to address existing conditions at this facility.

B Street Interceptor – This improvement project includes the installation of approximately 10,000 feet of 36”, 30”, 27”, and 24” diameter gravity pipeline along “B” Street East and Mountain Highway from 176th Street East to 8th Avenue East.

Canyon Road Improvements CRP 5404 – A collection system improvement project that includes the installation of eight inch sanitary sewer collector mains and stubs within the project limits of CRP 5404 Canyon Road, 144th Street East and 152nd Street East, installation of ladders and adjusting existing manholes in Canyon Road. Previous Phases 1 and 2 installed 14,500 feet of 18”, 15”, and eight inch gravity sewer lines from 160th Street East to 116th Street East.

Lakewood Generator Replacement – This is a preservation and improvement project consisting of the procurement and installation of replacement emergency generator sets at 28 pump station sites within the ULID. This is a preservation and improvement project consisting of the procurement and installation of replacement emergency generator sets at 28 pump station sites within the ULID-1 service area. The generators, installed between 1983 through 1986, have reached the end of their expected useful life. Three of the 28 generators were installed in 2008-2009; five additional generators will be bid out in 2009 with the remaining 20 generators slated for installation before the end of 2012.

Sound Transit Sewer Line Crossings – Sound transit proposes to relocate R/R tracks within the R/W along Lakeview Dr. SW in Lakewood per an April 15, 2008 letter. The Sewer Utility has six pipeline crossings of the Sound Transit R/W, five of which were installed as part of ULID 73-1 and one as part of the Spanaway Loop Bypass Interceptor. None of the crossings can be eliminated. At a minimum, casing pipes on three of the crossings will need to be replaced or extended.

Miscellaneous Sewer Lines – An operations and improvement project that will construct gravity collector sewer line extensions. This includes sewer improvements in conjunction with other jurisdictions’ road improvement projects. This also includes the cost of raising existing manhole rims located in road improvement projects.

Miscellaneous Septic Connections – the Pierce County Council through Ordinance 2006-117s has directed the Sewer Utility to investigate how best to connect properties that have failed on-site systems to the sewer system through the use of a newly created set-aside fund. The set-aside fund is comprised of 14% of the last rate increase approved by the County Council for the Sewer Utility. This fund should realize approximately \$250,000 dollars per year for connection related projects. It is the intent of the Sewer Utility to utilize these funds to offset the costs of the process for newly formed ULID’s.

Meridian Phase 1 Crossings – An improvement project including the installation of approximately seven bore/jack crossing of SR 161 between 144th Street East and 158th Street East. The project includes approximately 1,000 feet of steel casing and sanitary sewer carrier pipes. Easement acquisition will be necessary for providing service to all parcels along Meridian.

Chambers Creek Regional Wastewater Treatment Plant – Multi-stage Centrifugal

Blowers – A maintenance project to replace three of the five horsepower blowers that have reached the end of their service life. Not having enough air available would damage or diminish the biological process and threaten permit compliance of Pierce County.

Grandview Rehabilitation –Project Type: A preservation project that provides for the rehabilitation and protection of existing Grandview Drive line that has experienced hydrogen sulfide corrosion.

Background: High levels of hydrogen sulfide has caused increased deterioration of some of the collection lines throughout the collection system.

Barksdale Pump Station Upgrades –

Project Type: A maintenance and preservation improvement project to replace both pumps, install a new valve vault and control valves, install new RTU and antenna replacement of control panel including transfer switching.

Background: This Sewer Pump Station located on old town DuPont was inherited by Pierce County Sewer Utility contractually. Monies have been allotted for system upgrade as part of the contractual responsibilities.

Collections Manhole Rehabilitation –

Project Type: A maintenance and operation improvement project to repair/replace 35 deteriorating concrete manholes throughout the collection system caused by hydrogen sulfide produced from force main entry points and turbulent flows.

Background: Deteriorating concrete manholes throughout our system are caused by hydrogen sulfide produced from force main entry points and turbulent flows.

Collections Pipe Rehabilitation –

Project Type: A preservation and operation improvement project to slip line approximately 3,600 lineal feet of concrete and ductile iron pipe throughout the collection system deteriorating from hydrogen sulfide corrosion produced from force main entry points and turbulent flows. Diameter of pipe sizes varies from eight inch to 36 inch.

Background: High levels of hydrogen sulfide have caused increased deterioration of some of the collection lines throughout the collection system.

Employment Center Sewer Improvements – Employment Center (EC) zoning allows for the most site intensive industrial and commercial uses of land in Pierce County. Most of the currently developed EC zone has pre-treatment and sewer services available, but there remain many EC parcels that have not been utilized to their full potential due to lack of nearby sewer services. (Nearby is considered within 300 feet of a parcel) Pierce County needs to address this situation to be prepared for the next economic upswing. Installation of select interceptor lines within Employment Center zones will allow a greater variety of industrial and commercial business types that rely on sewer services to produce their products. Industrial pre-treatment of wastes and adequate sewer availability is vital for protection of the sole source aquifer.

Chambers Creek Replacement Pump – This preservation project consists of the replacement of an existing pump within the impoundment area on Chambers Creek. The new system installation will include three 75hp pumps with a combined output of

Sewer Utility Construction/Reserve Fund

3,000 gpm total withdrawal and new perimeter security fencing located directly adjacent to the existing facility.

Chambers Creek Properties – Revised BNSF Access – This improvement and administrative project consists of the revision of the Burlington Northern Santa Fe railroad right-of-way access, including design, permitting, fencing, landscaping, and construction.

Chambers Creek Properties – North Dock Rehabilitation (Replacement) – This improvement project consists of the removal of the existing North Dock and relocation and construction of a new public access pier and transient day use moorage. The transient day use moorage may be phased and constructed at a later date. Access to the public access pier will be from the Soundview Trail system and the North Dock Overpass. The project includes final engineering, design, and construction.

Chambers Creek Properties – North Dock Pedestrian Overpass – This improvement project consists of the construction of a 900 foot overpass with stairs and ramps to provide access to the Puget Sound shoreline and access to the future North Dock. The overpass is ADA compliant and is designed to provide safe access over the BNSF tracks. The project maybe phased.

Environmental Services Building Lobby Renovations – Existing Lobby entrance and reception area does not adequately address today’s post 911 safety and security standards. Existing workspace for receptionist is not ergonomically correct and poorly planned to meet today’s technological needs. Major conference rooms are so poorly lighted as to be almost unusable. The project will correct safety deficiencies identified in a recent safety audit conducted by head of Pierce County Security. Poor lighting and bad work space leads to less efficiencies and need to be corrected to maximize existing building resources. This is anticipated to be a phased project with design to occur in 2010 and construction in early 2011. Design phase will provide a list of the appropriate alternatives for the scope.

WWTP Scoping and Feasibility Studies – Five maintenance, operation and preservation improvement projects: Regenerative Thermal Oxidizer (RTO) Programmable Controller Fully Enclosed Cover; Fertilizer Manufacturing Facility (FMF) Vacuum System; Primary Tank Skimmers; WWTP Septage Receiving Station New to SIP; Day Island and Marina Area New to SIP.

PROJECT SUMMARY

Capital Reserve Fund # 403	2010
Project Name	Budget
B Street Interceptor	\$ 263,600
Liquid Stream Process & WWTP Utilidor Development Phase 1	2,860,400
WWTP Plant Site Development	10,540,000
Sub Total - Contributions to Construction Fund 403	13,664,000
Advance to Water Utility	280,080
Total	\$ 13,944,080

PROJECT SUMMARY

Sewer Utility Construction Fund #425

Funding Sources

Project Name	Total Project		2010				Fund 402	Fund 403
	Cost	Expenditure	State Grants	Bonds	Fund	Facilities Capital Reserve		
Administration Building Expansion	\$ 3,658,400	\$ 343,500	\$ —	\$ —	\$ 343,500	\$ —		
B Street Interceptor	9,478,200	5,491,200	—	5,227,600	—	263,600		
Barksdale Pump Station #6	150,800	150,800	—	—	150,800	—		
Biosolids Upgrade Improvements Phase 1	90,759,000	1,211,700	—	1,211,700	—	—		
Burlington Northern Santa Fe Access - Revised	3,083,800	1,606,200	—	1,606,200	—	—		
Canyon Road Improvements (116th to 144th St)	900,500	5,000	—	5,000	—	—		
Chambers Creek Pump Replacement	1,562,000	1,403,400	—	1,403,400	—	—		
Collection System Flow Meters	542,900	248,800	—	—	248,800	—		
Collections Manhole Rehab	1,168,200	177,800	—	177,800	—	—		
Collections Sewerline Rehab	2,483,400	374,400	—	374,400	—	—		
Electric Vault Dewatering	126,200	61,900	—	61,900	—	—		
Employment Center Sewer Improvements	5,368,500	1,799,200	—	1,799,200	—	—		
Energy Dissipator & Odor Control	942,500	941,000	—	941,000	—	—		
ESB Lobby Renovations	159,400	45,000	—	—	45,000	—		
Fertilizer Storage Facility	1,502,600	141,200	—	141,200	—	—		
Grandview Rehab	4,471,400	93,600	—	—	93,600	—		
Laboratory Expansion	3,336,900	313,400	—	313,400	—	—		
Lakewood Generator Replacement Project	2,093,200	690,400	—	—	690,400	—		
Liquid Stream Process & WWTP Utilidor Development Phase 1	153,767,700	2,860,400	—	—	—	2,860,400		
Maintenance & Warehouse Improvements	7,146,900	671,000	—	671,000	—	—		
Meridian Crossings	1,460,200	1,460,200	—	1,460,200	—	—		
Miscellaneous Septic Connections	1,500,000	250,000	—	—	250,000	—		
Miscellaneous Sewer Lines	3,122,700	394,800	—	394,800	—	—		
North Dock Pedestrian Overpass	4,191,200	4,191,200	2,550,000	1,641,200	—	—		
North Dock Rehabilitation	6,955,800	61,100	—	61,100	—	—		
Sewer and Tgtraffic Operations Facility	8,751,600	7,607,600	—	7,607,600	—	—		
Sound Transit Sewer Line Crossing	300,000	300,000	—	—	300,000	—		
Tunnel Rehabilitation Project	12,580,300	7,723,400	—	7,723,400	—	—		
WWTP Disinfections Systems	2,402,100	1,080,100	—	1,080,100	—	—		
WWTP Emergency Generator	621,300	621,300	—	—	621,300	—		
WWTP Influent Flow Metering	306,500	306,500	—	306,500	—	—		
WWTP Multistage Centrifugal Blowers	140,200	140,000	—	—	140,000	—		
WWTP Plant Site Development	10,540,000	10,540,000	—	—	—	10,540,000		
WWTP SCADA Communications	50,000	50,000	—	3,400	46,600	—		
WWTP Scoping and Feasibility	325,000	325,000	—	325,000	—	—		
Total	\$ 345,949,400	\$ 53,681,100	\$ 2,550,000	\$ 34,537,100	\$ 2,930,000	\$ 13,664,000		

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 for 2010 includes the following:

- a) Consulting and legal services for Hidden Valley and Purdy 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) Studies examining existing waste stream and recycling programs, and proposing ways to improve our recycling programs;
- f) The transfer of the code enforcement function and staffing from PALS, and allocations for support of other solid waste related functions in Roads and the General Fund; and
- g) Key Center and Purdy Facility site improvements.

Solid Waste Management Fund

FUNDING SOURCES						
	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 1,986,560	\$ 3,116,200	\$ 1,129,640	56.9 %
Intergovernmental Revenue	340,086	516,734	662,010	462,000	(200,010)	(30.2)
Charges for Services	3,791,284	3,384,675	3,200,010	3,201,320	1,310	—
Miscellaneous Revenue	841,777	507,725	537,600	317,000	(220,600)	(41.0)
Other Financing Sources	170,820	133,094	156,000	75,000	(81,000)	(51.9)
Total	\$ 5,143,967	\$ 4,542,228	\$ 6,542,180	\$ 7,171,520	\$ 629,340	9.6 %

PROGRAM EXPENDITURES						
	2009 FTE	2010 FTE	2009 Budget	2010 Budget	Absolute Change	Percent Change
Administration and Planning	7.27	12.76	\$ 2,665,100	\$ 2,905,660	\$ 240,560	9.0 %
Recycling and Debris Cleanup	5.36	4.77	1,552,150	1,839,630	287,480	18.5
Public Information & Education	6.09	5.09	1,080,430	971,980	(108,450)	(10.0)
Capital Improvements	—	—	724,500	469,250	(255,250)	(35.2)
Self Insurance	—	—	50,000	50,000	—	—
Landfill Post Closure	—	—	470,000	935,000	465,000	98.9
Total	18.72	22.62	\$ 6,542,180	\$ 7,171,520	\$ 629,340	9.6 %

STAFFING SUMMARY						
	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE	2010 FTE
Dir - Public Works & Util	0.10	0.08	0.08	0.08	0.08	0.03
Solid Waste Administrator	1.00	1.00	1.00	1.00	1.00	1.00
Deputy PW & Utilities Dir	0.10	0.08	0.08	0.08	0.08	0.03
Code Enforcement Supv	1.00	1.00	1.00	1.00	1.00	1.00
Budget & Fiscal Manager	—	—	—	—	—	0.05
Code Enforcement Officer	2.00	2.00	2.00	2.00	3.00	6.00
Solid Waste Project Coord	—	—	3.00	5.00	5.00	5.00
Environmental Educator	4.00	4.00	4.00	5.00	5.00	5.00
Accounting Assistant	0.46	0.46	0.20	0.20	—	0.50
Supervisory Admin Asst	0.20	0.20	0.20	0.20	0.21	0.05
Office Assistant	2.00	2.50	2.50	2.50	3.00	3.96
Fiscal Services Mgr	0.15	0.15	0.15	0.15	0.15	—
Grant Accountant	—	—	—	—	0.20	—
Planner	1.00	1.00	1.00	1.00	—	—
Contracts Coordinator	—	—	—	0.10	—	—
Records Specialist	0.33	0.33	0.33	0.33	—	—
Dept Support Services Mgr	—	—	—	0.04	—	—
Administrative Assistant	0.10	0.10	0.10	—	—	—
Administrative Svcs Mgr	0.05	0.05	0.04	—	—	—
Solid Waste Recyc Analyst	3.00	3.00	—	—	—	—
Dept Info Tech Spec	0.45	0.16	—	—	—	—
Special Asst to Dir PW&U	0.08	—	—	—	—	—
Total	16.02	16.11	15.68	18.68	18.72	22.62

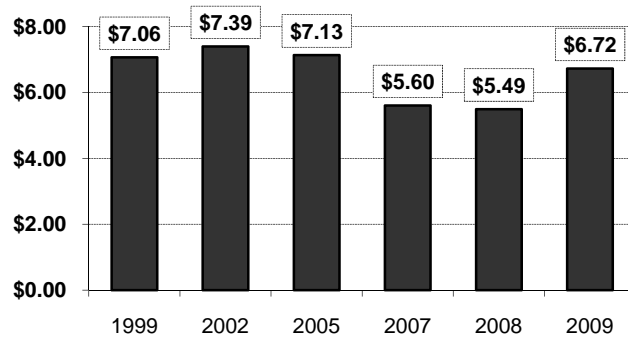
Solid Waste Management Fund

WORKLOAD SERVICE DATA

	Unit of Measure	2005 Actual	2006 Actual	2007 Actual	2008 Actual	2009 Estimate	2010 Estimate
Solid Waste Operations							
Monitor Solid Waste Operations	Sites	7	7	7	7	7	7
Household Hazard Waste Cleanup	Participants	4,426	5,048	4,881	5,299	5,500	5,750
Education & Outreach							
Presentations & Workshops	Students	25,961	23,684	19,275	22,320	19,950	23,500
Fairs/Comm Events/Newsltr Recip	Attendees	410,000	600,000	610,000	611,000	409,000	415,000
Pierce County Responds							
Abating Small Illegal Dumpsites	Vouchers	521	428	475	384	375	450
Abating Nuisance Vehicles	Vehicles	1,959	1,419	1,341	1,239	1,200	1,600
Abating "Dirty Dozen" Sites	Sites	2	—	—	—	—	—

BUDGET RATIOS

Expenditures per Resident Served



- ❖ From 1999 to 2009 expenditures per resident served, excluding closure expenses decreased 5% after adjusting for inflation. The ten year average is \$6.54.

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 2010 Surface Water Management Fund budget total is 14.9% below 2009 (decline in projects, repairs, and engineering contracts). The Habitat Protection program (1.5 staff) has been transferred to Surface Water Management effective January 1st. Major issues surrounding capital improvements, NPDES responsibilities, operational and maintenance concerns, and related rate increases are currently under review by the Executive and Council. No recommendations regarding these issues are included in this proposed budget.

In order to balance the budget as proposed we will be using approximately \$1.8 million in prior fund balance.

FUNDING SOURCES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 4,601,220	\$ 1,795,130	\$ (2,806,090)	(61.0) %
Taxes	400	436	—	—	—	—
Intergovernmental Revenue	(498,944)	409,341	2,149,470	1,104,060	(1,045,410)	(48.6)
Charges for Services	13,636,989	14,059,793	15,591,100	16,169,750	578,650	3.7
Miscellaneous Revenue	813,170	1,183,114	150,000	70,000	(80,000)	(53.3)
Total	\$13,951,615	\$15,652,684	\$22,491,790	\$19,138,940	\$ (3,352,850)	(14.9) %

Surface Water Management Fund

PROGRAM EXPENDITURES

	2009 FTE	2010 FTE	2009 Budget	2010 Budget	Absolute Change	Percent Change
Drainage Ops & Maint/Admin	33.27	31.08	\$ 8,450,070	\$ 7,133,570	\$ (1,316,500)	(15.6) %
Water Quality/NPDES	12.60	14.75	3,228,060	3,476,400	248,340	7.7
Capital Improvement Program	11.58	11.68	6,866,620	6,111,370	(755,250)	(11.0)
Quarry Operations	2.05	2.00	630,790	462,870	(167,920)	(26.6)
River Imp - Operations & Maint	3.52	3.96	1,425,420	1,483,530	58,110	4.1
River Improvement	4.68	4.73	1,890,830	471,200	(1,419,630)	(75.1)
Total	67.70	68.20	\$22,491,790	\$19,138,940	\$ (3,352,850)	(14.9) %

PROJECT SUMMARY

Drainage Basin	Project Name	Project #	Total Est Project Cost	2010 Budget
Clear/Clarks Creek	Canyon Creek Bypass	D138	\$ 1,959,100	\$ 200,000
Clear/Clarks Creek	Rody Creek Stream Restoration	D191	1,013,900	50,000
Gig Harbor	Warren Creek Culvert Replacement	D193	883,100	50,000
Gig Harbor	Crescent Creek Corridor	D218	150,000	25,000
Mid-Puyallup River	Fir Ridge Infiltration Pond	D614	380,100	15,000
South Prarie	Silver Springs	D205	890,600	405,800
Steilacoom/Clover Creek	Clover Creek Restoration - Reach MS5	D209	1,245,000	50,000
Steilacoom/Clover Creek	Frederickson / 192nd Street	D165	408,200	400,000
Steilacoom/Clover Creek	Larchmont Wetland Reserve	D200	920,600	50,000
Steilacoom/Clover Creek	Natches Trail Preserve	D206	553,300	300,000
Steilacoom/Clover Creek	Spanaway Creek Outfall Retrofit	D208	213,400	80,000
Steilacoom/Clover Creek	Sprinker Recreation Parking Lot Retrofit	D195	1,314,600	1,200,000
Steilacoom/Clover Creek	139th Street East Cul-de-sac Flood Mitig	D217	1,460,000	510,000
Steilacoom/Clover Creek	176th Street & 14 Avenue Retention Pond	D194	1,827,600	1,200,000
Subtotal			13,219,500	4,535,800
All	General Capital Improvement Project Support	D100	—	1,575,570
Total CIP			\$ 13,219,500	\$ 6,111,370

Surface Water Management Fund

STAFFING SUMMARY						
	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE	2010 FTE
Dir - Public Works & Util	0.20	0.14	0.14	0.14	0.14	0.15
Special Projects Coord	—	—	—	—	1.00	1.00
Water Programs Manager	0.95	0.95	0.95	0.95	0.95	0.95
Planner	7.00	6.97	7.00	9.00	7.00	7.00
Water Program Maint Mgr	1.00	1.00	1.00	1.00	1.00	1.00
Project Manager	—	—	—	2.00	1.00	1.00
Deputy PW & Utilities Dir	0.20	0.14	0.14	0.14	0.14	0.15
Budget & Fiscal Manager	—	—	—	—	—	0.05
Fiscal Services Mgr	0.40	0.45	0.45	0.45	0.45	0.34
Public Works/Util Prj Crd	—	—	—	1.00	1.00	1.00
Right of Way Agent	0.61	0.61	0.61	0.61	0.61	0.61
Civil Engineer	10.85	13.25	13.10	14.10	13.10	13.10
Heavy Equipment Operator	4.00	4.00	4.00	4.00	5.00	5.00
Admin Program Mgr	—	—	—	0.30	0.30	0.30
Civil Engineer-in-Trng	—	1.00	1.00	1.00	1.00	1.00
GIS Specialist	0.93	0.93	0.94	0.94	0.94	0.94
Grant Accountant	—	—	—	—	0.55	0.75
Public Works/Util Supv	—	—	—	1.00	1.00	1.00
Maintenance Technician	6.00	6.00	6.00	7.00	7.00	7.00
Engineering Technician	10.00	11.00	13.00	15.00	14.00	13.00
Planner	—	—	—	—	—	0.50
Accounting Assistant	2.44	2.49	2.45	2.15	1.86	1.45
Office Assistant	2.26	2.26	2.26	4.76	2.76	4.21
Supervisory Admin Asst	0.15	0.18	0.18	0.18	1.00	0.80
Maintenance Office Mgr	1.00	1.00	1.00	1.00	1.00	1.00
Environmental Biologist	2.00	2.90	2.90	2.90	3.90	4.90
Administrative Aide	1.00	1.00	1.00	1.00	1.00	—
Records Specialist	0.33	0.33	0.33	0.33	—	—
Equipment Operator	—	—	—	1.00	—	—
Water Quality Supervisor	—	—	1.00	1.00	—	—
Contracts Coordinator	—	—	—	0.35	—	—
Dept Support Services Mgr	—	—	—	0.20	—	—
Public Works Supervisor	1.00	1.00	1.00	—	—	—
Public Works Proj Coord	1.00	1.00	1.00	—	—	—
Administrative Assistant	0.35	0.35	0.35	—	—	—
Administrative Svcs Mgr	0.14	0.17	0.20	—	—	—
Water Quality Specialist	1.00	1.00	—	—	—	—
Dept Info Tech Spec	0.46	0.17	—	—	—	—
Total	55.27	60.29	62.00	73.50	67.70	68.20

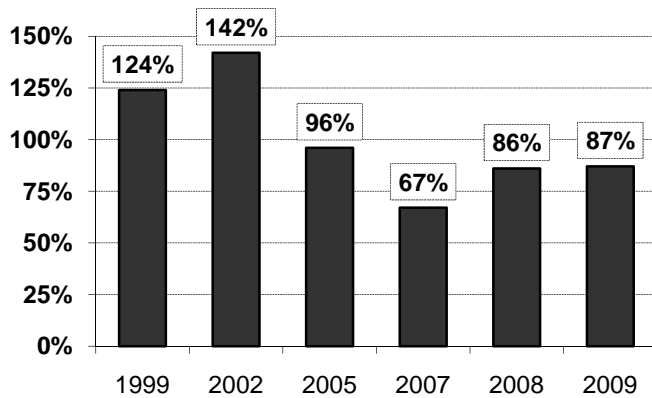
Surface Water Management Fund

WORKLOAD SERVICE DATA							
	Unit of Measur	2005 Actual	2006 Actual	2007 Actual	2008 Actual	2009 Estimate	2010 Estimate
Inquiries/Responses	Contacts	250	296	345	191	350	300
Drainage Plan Reviews/ M & O	Each	80	80	—	25	20	25
Constructed CIP Projects	Each	4	5	7	4	5	5
NPDES Compliance	Hours	11,472	9,955	13,255	17,000	17,000	17,000
Access Roads Maintained	Miles	16	23	15	15	15	15
Vegetation Control	Hours	1,000	1,000	1,000	2,880	2,500	2,500
Dike Repair Materials	Tons	5,000	60,000	75,157	42,876	10,000	10,000
Retention/Detention Pond Maint	Sites	110	212	266	341	250	250
CIP Expenditures	Dollars	7,790,700	7,600,285	10,227,347	6,823,829	5,675,000	4,875,800
Small Works Projects	Each	5	14	6	3	5	5
Proj w/on-Time Environ Approvals	Projects	5	6	8	6	12	12
Non-Point Watershed Plans	Actions	50	52	50	—	—	—
Projects Funded by SRFB	Percent	100	33	100	100	100	100
Basin Plans/Characterization Reports Issued		4	2	2	1	1	1
County Owned Stormwater Ponds	Ponds	281	335	379	435	479	523
Flood plain Responses	Hours	—	—	—	588	732	750
Repetitive Flood Loss Demos	Each	—	—	—	—	8	4

BUDGET RATIOS

SWM Extent of Self Support

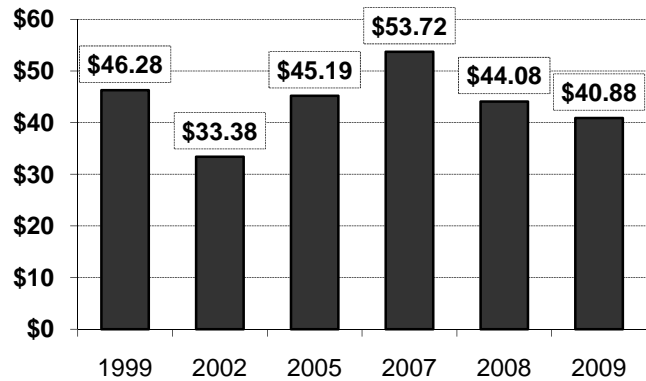
Operating Revenues / Operating Expenditures



- ❖ From 1999 to 2009 SWM extent of self support decreased 30%. The ten year average is 100%.

SWM Operating Expenditures

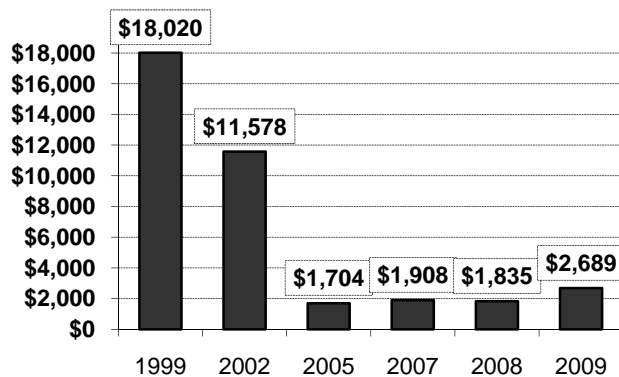
Per County Resident Served



- ❖ From 1999 to 2009 SWM operating expenditures per resident served (excluding River Improvement costs) decreased 13% after adjusting for inflation. The ten year average is \$45.42.

SWM Maintenance and Operations Expenditures

Per County Owned Stormwater Pond



- ❖ From 1999 to 2009 the maintenance and operations expenditure per County owned stormwater pond decreased 85% after adjusting for inflation. The ten year average is \$5,929. The number of ponds more than tripled in 2004.

Surface Water Management Fund

TRAFFIC IMPACT FEE FUND

Special Revenue Fund

DEPARTMENTAL SUMMARY: The County Council recently approved the Traffic Impact Fee ordinance which will levy such fees on those developments which will impact the need for public road facilities. These impact fees will be deposited in this fund and will be allocated for the purpose specified in the enabling ordinance.

BUDGET HIGHLIGHTS: The majority of the 2010 budget will be transferred to the Roads Construction fund for designated projects (\$4,750,000). The budget also provides monies for staff and consulting services for necessary system and administration activities. This fund will utilize \$2.9 million in prior fund balance to support the budgeted transfers in addition to the anticipated 2010 Traffic Impact fee revenues.

FUNDING SOURCES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 2,690,030	\$ 2,876,380	\$ 186,350	6.9 %
Charges for Services	5,938,326	3,320,127	4,000,000	2,060,000	(1,940,000)	(48.5)
Miscellaneous Revenue	109,363	189,185	100,000	49,000	(51,000)	(51.0)
Total	\$ 6,047,689	\$ 3,509,312	\$ 6,790,030	\$ 4,985,380	\$ (1,804,650)	(26.6) %

EXPENDITURES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Salaries & Wages	\$ —	\$ —	\$ 93,990	\$ 114,360	\$ 20,370	21.7 %
Personnel Benefits	—	—	31,090	33,440	2,350	7.6
Supplies	20,246	4,012	—	—	—	—
Other Services & Charges	13,062	2,216,905	6,664,950	4,837,580	(1,827,370)	(27.4)
Total	\$ 33,308	\$ 2,220,917	\$ 6,790,030	\$ 4,985,380	\$ (1,804,650)	(26.6) %

Traffic Impact Fee Fund

TRANSPORTATION FACILITIES FUND

Capital Project Fund

DEPARTMENTAL SUMMARY: The Transportation Facilities Fund was established to account for costs of new capital facility projects, such as Road Maintenance shops or other support facilities, separate from all other road related transportation projects. This fund includes the costs of new facilities (land acquisition, design, and construction), as well as major repairs/enhancements to such existing facilities.

BUDGET HIGHLIGHTS: The recommended 2010 budget reflects the following:

- a) Programming and initial design work for a new West County Maintenance Facility..... \$100,000
 - b) Interest expense for previous loans 152,000
- \$252,000

The funding source is fund balance (previous land sales).

FUNDING SOURCES						
	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 2,648,880	\$ 252,000	\$ (2,396,880)	(90.5) %
Intergovernmental Revenue	—	1,000,000	—	—	—	—
Miscellaneous Revenue	667,005	21,119	—	—	—	—
Other Financing Sources	1,512,031	—	—	—	—	—
Total	\$ 2,179,036	\$ 1,021,119	\$ 2,648,880	\$ 252,000	\$ (2,396,880)	(90.5) %

PROGRAM EXPENDITURES						
	2009 FTE	2010 FTE	2009 Budget	2010 Budget	Absolute Change	Percent Change
West County Maint Facility	—	—	\$ 2,648,880	\$ 100,000	\$ (2,548,880)	(96.2) %
East CMF (Rhodes Lake)	—	—	—	152,000	152,000	∞
Total	—	—	\$ 2,648,880	\$ 252,000	\$ (2,396,880)	(90.5) %

STAFFING SUMMARY						
	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE	2010 FTE
Asst Contracts/Proj Coord	—	—	1.00	1.00	—	—
Contracts/Projects Coordinator	—	1.00	—	—	—	—
Total	—	1.00	1.00	1.00	—	—

Transportation Facilities Fund

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 2010 budget continues to fund the 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 2010 budget are:

- a) The on-going expenses associated with these various studies;
- b) The costs for staff assigned to these activities; and
- c) Interest expense.

The funding for this budget is mostly provided by a loan from the Sewer Utility Capital Reserve Fund, with some funding from water review fees.

FUNDING SOURCES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Intergovernmental Revenue	\$ —	\$ —	\$ 155,750	\$ 5,000	\$ (150,750)	(96.8) %
Other Financing Sources	—	—	144,900	280,080	135,180	93.3
Total	\$ —	\$ —	\$ 300,650	\$ 285,080	\$ (15,570)	(5.2) %

EXPENDITURES

	2007 Actual	2008 Actual	2009 Budget	2010 Budget	Absolute Change	Percent Change
Salaries & Wages	\$ 4,142	\$ 3,950	\$ 97,630	\$ 84,180	\$ (13,450)	(13.8) %
Personnel Benefits	3,761	1,437	30,680	26,730	(3,950)	(12.9)
Supplies	—	12,000	—	—	—	—
Other Services & Charges	15,539	27,821	126,470	114,170	(12,300)	(9.7)
Interest	31,160	32,091	45,870	60,000	14,130	30.8
Total	\$ 54,602	\$ 77,299	\$ 300,650	\$ 285,080	\$ (15,570)	(5.2) %

Water Utility Fund

STAFFING SUMMARY

	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE	2010 FTE
WW Utility Manager	—	—	0.10	0.10	0.10	0.10
Project Manager	—	—	—	—	1.00	1.00
GIS Specialist	0.01	0.01	—	—	—	—
Special Asst to Dir PW&U	0.08	—	—	—	—	—
Total	0.09	0.01	0.10	0.10	1.10	1.10