

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.

Major Accomplishments in 2008

Pierce County purchased the Thun Field Airport in 1979 and now leases space to approximately 11 private businesses which employ over 180 people. In 2008, the **Pierce County Airport and Ferry Division** secured grant funding for Thun Field and began construction of the taxi way realignment project by purchasing additional land. The Division also completed an economic development plan for private investment for the airport facilities and negotiated an agreement to purchase the Tacoma Narrows Airport. The **Ferry System** provides the mainland link to Anderson and Ketrion Islands. The County leased the new MV Steilacoom II to the Washington State Department of Transportation for 18 months while the state builds a new vessel for the Port Townsend ferry service. The County also completed a parking study for ferry parking in Steilacoom.

In 2008, the newly opened (June 2007) **Chambers Bay Golf Course** was awarded the 2010 US Amateur and 2015 US Open Championships by the United States Golf Association. The US Open Championship is one of the four most prestigious golf events in the world and this will be first time it will be held in the Pacific Northwest.

The **Transportation Planning & Programming Division** works closely with transportation data and with County citizens to identify needs and plans for change on our county roads. In a typical year, the Division secures and manages over \$10 million in grants for road and bridge construction. Each year, the Division develops the Six Year

Transportation Improvement Program, the Annual Construction Program, and the Transportation Element of the Capital Facilities Plan. A notable accomplishment for 2008 was the continuation of work on the Transportation Plan update which is scheduled for completion in 2009.

The **Project Engineering and Field Engineering Divisions** are responsible for the design, environmental review, securing of right-of-way, and construction of county roadway projects. In 2008, the Divisions provided project management for over 55 active transportation projects. By the end of the year, right-of-way had been secured and final contract documents prepared for over 20 projects advertised for bid. Also, 12 construction projects were substantially completed.

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Public Works and Utilities

The major accomplishment for the **Road Maintenance** Division in 2008 was to combine and centralize maintenance functions, including relocating staff from four facilities to one. The new and more efficient Central Maintenance Facility is located in the Frederickson area.

Following 16 months of negotiations led by the **Solid Waste Division**, County Executive Ladenburg signed a 25 year extension to our Waste Handling Agreement in September. Before year's end, the County Council is slated to take final action on amendments to the Tacoma-Pierce County Solid Waste Plan that the Division authored and vetted through a public process.

In 2008, the **Surface Water Management** Capital Improvement Program constructed five projects, located in diverse areas of the County. Continued investment in these projects has resulted in a steady decrease in flooding assistance requests and damage claims. Also, staff participated to two major code revision efforts which included updating the storm drainage manual for compliance with state and federal water quality requirements, and modifying the County's floodplain development regulations to encourage continued agricultural practices within Pierce County. Both of these processes included extensive citizen involvement and helped to preserve important resources within our community.

In the **Traffic Division**, the crew put 12 new traffic signals into operation and also began implementing a new County policy by arranging for the installation of marked crosswalks at 15 to 20 signalized intersections. Division staff also installed emergency vehicle preemption systems at the last 12 signalized intersections. Also, the Division implemented the Bicycle Facility Pilot project by signing and marking the County's first dedicated bike lanes on Canyon Road.

The **Sewer Utility** won the Northwest Biosolids Management Association's (NBMA) 2008 Excellence in Biosolids Management Award. The award recognizes the Chambers Creek Regional Wastewater Treatment Plant's Fertilizer Manufacturing Facility as a leader in the handling of treated biosolids. Also notable, **SoundGRO™** sales now exceed production at the Chambers Creek Wastewater Treatment Plant. Orders are now scheduled one to two weeks in advance for the naturally organic fertilizer produced at the University Place site. The Utility completed a new odor control and headworks facility that should improve the air environment around the plant. Also, preliminary design has begun for the estimated \$300 million expansion of the wastewater treatment plant to provide capacity for future growth in the county.

The **Water Utility** in 2008 continued development of Pierce County's water rights contained within the Chamber Creek Properties. This included the drilling of a new well, installation of a new well pump, and necessary piping to solidify those rights.

Chambers Creek Properties saw completion of the North and Central Meadow adding over 30 acres of prime active and passive recreational land to the Chambers Creek Properties for use by all Pierce County residents. Significant progress was also achieved in the development of the North Dock pedestrian over-crossing project which had a groundbreaking ceremony this past summer.

Public Works and Utilities

DEPARTMENT BUDGETS

Department Name	2008 Budget	2009 Budget	Absolute Change	Percent Change
Chambers Bay Golf Course Fund	\$ 5,176,160	\$ 7,460,720	\$ 2,284,560	44.1 %
County Road Fund	68,900,420	70,743,260	1,842,840	2.7
Equipment Rental & Revolving Fund	15,324,050	15,064,840	(259,210)	(1.7)
Ferry Services Fund	4,251,880	4,626,000	374,120	8.8
Public Works Construction Fund	51,662,000	55,870,000	4,208,000	8.1
REET River Improvement Fund	9,631,140	6,624,260	(3,006,880)	(31.2)
Second REET Roads Fund	18,775,810	22,874,000	4,098,190	21.8
Sewer Facility Restrictive Reserve Fund	14,499,240	10,348,740	(4,150,500)	(28.6)
Sewer Revenue Bond Funds	5,485,060	1,716,290	(3,768,770)	(68.7)
Sewer Utility Construction Funds	29,938,630	22,005,300	(7,933,330)	(26.5)
Sewer Utility Fund	43,467,470	40,920,060	(2,547,410)	(5.9)
Solid Waste Management Fund	6,136,910	6,542,180	405,270	6.6
Surface Water Management Fund	27,851,940	22,491,790	(5,360,150)	(19.2)
Thun Field Airport Fund	1,578,015	18,834,940	17,256,925	1,093.6
Traffic Impact Fee Fund	6,000,000	6,790,030	790,030	13.2
Transportation Facilities Fund	9,352,760	2,648,880	(6,703,880)	(71.7)
Water Utility Fund	188,940	300,650	111,710	59.1
Total Public Works & Utilities	\$ 318,220,425	\$ 315,861,940	\$ (2,358,485)	(0.7) %

Public Works and Utilities

Airport Fund

Enterprise Fund

The mission of the Pierce County Airports is 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 Airport is classified as General Aviation by the Federal Aviation Administration. The Airport's design level is 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 2009 Airport budget is considerably more than 2008, because next year's budget includes the operating and capital expenses of the Tacoma Narrows Airport (\$18.1 million). The 2009 budget includes:

- a) General operating expenses (adjusted for inflation);
- b) Re-roofing 50% of the County owned hangers at Thun Field(\$125,000);
- c) The operating expenses of the Tacoma Narrows Airport, including two new staff positions; and
- d) Major capital improvements at the Tacoma Narrows Airport (Stone Drive) largely grant funded.

Performance Measures

- 1) Operating revenues will cover all operating expenses (excluding depreciation). (Goals A, B, D, E, G, H)

FUNDING SOURCES							
	2006	2007	2008	2009	Absolute	Percent	
	Actual	Actual	Budget	Budget	Change	Change	
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 173,790	\$ 1,428,040	\$ 1,254,250		721.7 %
Taxes	293,135	210,690	215,000	144,000	(71,000)		(33.0)
Intergovernmental Revenue	578,021	1,780,313	691,495	15,957,100	15,265,605		2,207.6
Miscellaneous Revenue	427,168	478,312	497,730	1,305,800	808,070		162.4
Other Financing Sources	(1,066)	(8,858)	—	—	—		—
Total	\$ 1,297,258	\$ 2,460,457	\$ 1,578,015	\$ 18,834,940	\$ 17,256,925		1,093.6 %

Airport Fund

EXPENDITURES

	2006 Actual	2007 Actual	2008 Budget	2009 Budget	Absolute Change	Percent Change
Salaries & Wages	\$ 96,614	\$ 170,422	\$ 197,430	\$ 309,960	\$ 112,530	57.0 %
Personnel Benefits	33,136	64,031	70,310	112,580	42,270	60.1
Supplies	9,384	10,926	20,400	37,140	16,740	82.1
Other Services & Charges	671,005	371,730	626,020	1,093,920	467,900	74.7
Intergovernmental Services	3,851	3,921	4,060	4,740	680	16.7
Capital Outlays	284,895	1,607,638	659,795	17,276,600	16,616,805	2,518.5
Interest	26,213	(15,543)	—	—	—	—
Total	\$ 1,125,098	\$ 2,213,125	\$ 1,578,015	\$ 18,834,940	\$ 17,256,925	1,093.6 %

STAFFING SUMMARY

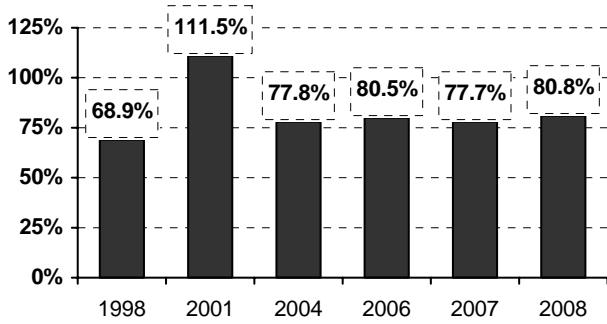
	2004 FTE	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE
Dir - Public Works & Utilities	—	—	0.01	0.01	0.01	0.01
Deputy PW & Utilities Dir	—	—	0.01	0.01	0.01	0.01
Airport Administrator	—	—	1.00	1.00	0.50	0.50
Public Works/Util Prj Crd	—	—	—	—	0.50	0.50
Facilities Maint Tech	0.60	0.60	0.60	0.60	0.75	1.75
Airport Operations Supv	1.00	1.00	1.00	1.00	1.00	2.00
Special Asst to Dir PW&U	—	—	0.01	—	—	—
Total	1.60	1.60	2.63	2.62	2.77	4.77

WORKLOAD SERVICE DATA

	Unit of Measure	2004 Actual	2005 Actual	2006 Actual	2007 Actual	2008 Estimate	2009 Estimate
Tiedowns Rented	Tiedowns	48	48	46	44	44	42
Hangar Space Rented	Spaces	50	50	50	50	50	50
Take Offs & Landings	Occurrence	108,000	108,000	110,000	110,000	108,000	106,000

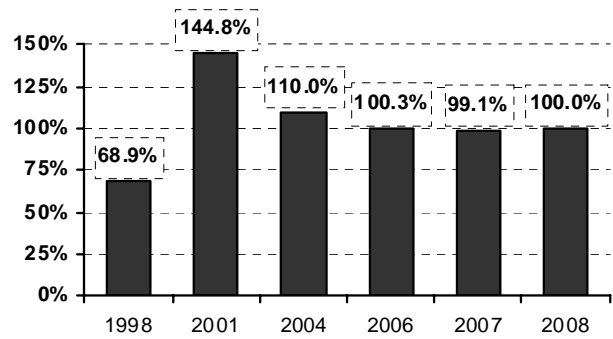
BUDGET RATIOS

Extent of Self-Support



❖ From 1998 to 2008 the extent of self-support increased by 17%. The ten year average is 80%.

Extent of Self-Support Excluding Depreciation



❖ From 1998 to 2008 the extent of self-support excluding depreciation increased by 45%. The ten year average is 105%.

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, 2008 is \$20,400,000.

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, 2008 is \$502,126.

Budget Highlights:

The 2009 Chambers Bay Golf Course budget reflects the following activities and expenses:

Bond Debt Service/Loan Interest	\$1,431,860
Course Operations Contract	3,665,120
County Operating Expenses	453,320
US Amateur/Open course improvements and additional maintenance expense	<u>1,910,420</u>
	\$7,460,720

The Budget will be funded from green fees, pro shop and restaurant sales, and payments from the USGA.

Performance Measures

- 1) Revenues will cover all operating expenses and debt service. (Goals B, D, E, G, H, I)

Chambers Bay Golf Course Fund

FUNDING SOURCES

	2006 Actual	2007 Actual	2008 Budget	2009 Budget	Absolute Change	Percent Change
Charges for Services	\$ —	\$ 3,418,729	\$ 5,176,160	\$ 7,460,070	\$ 2,283,910	44.1 %
Miscellaneous Revenue	—	3,349	—	650	650	∞
Other Financing Sources	493,359	(6,507)	—	—	—	—
Total	\$ 493,359	\$ 3,415,571	\$ 5,176,160	\$ 7,460,720	\$ 2,284,560	44.1 %

EXPENDITURES

	2006 Actual	2007 Actual	2008 Budget	2009 Budget	Absolute Change	Percent Change
Salaries & Wages	\$ 64,217	\$ 29,502	\$ 15,280	\$ 60,540	\$ 45,260	296.2 %
Personnel Benefits	16,948	972	4,890	16,110	11,220	229.4
Other Services & Charges	729,036	4,280,144	3,720,690	5,334,150	1,613,460	43.4
Capital Outlays	12,813,535	(2,189,140)	—	618,060	618,060	∞
Debt Service	864,884	909,493	1,435,300	1,431,860	(3,440)	(0.2)
Total	\$ 14,488,620	\$ 3,030,971	\$ 5,176,160	\$ 7,460,720	\$ 2,284,560	44.1 %

STAFFING SUMMARY

	2004 FTE	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE
Special Projects Manager	—	—	—	—	0.20	0.50
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

WORKLOAD SERVICE DATA

	Unit of Measure	2004 Actuals	2005 Actual	2006 Actual	2007 Actual	2008 Estimate	2009 Estimate
Chambers Bay Golf Course Operations							
Golf Course Activity	Rounds played	—	—	—	19,096	33,650	35,953

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.

Budget Highlights:

The 2009 budget for the County Road Fund is 2.7% above 2008, and includes:

- a) Existing staff and maintenance service levels (adjusted for inflation); and
- b) \$7,200,000 allocated for capital projects, and transferred to the Public Works Construction fund (down from \$8,000,000 in 2008).

This proposed budget will require the use of approximately \$7.8 million in prior fund balance.

Performance Measures

- 1) Maintain 95% of the county road pavement in good or fair condition. (Goals A, G, H)
- 2) Projects will be included in the 6 year Transportation Improvement Program which will mitigate all arterial segments failing concurrency. (Goals A, B, E, G, H)

County Road Fund

FUNDING SOURCES

	2006	2007	2008	2009	Absolute	Percent
	Actual	Actual	Budget	Budget	Change	Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 3,380,520	\$ 7,787,720	\$ 4,407,200	130.4 %
Taxes	41,072,215	42,921,182	45,044,500	46,548,700	1,504,200	3.3
Licenses & Permits	96,926	100,329	97,000	100,000	3,000	3.1
Intergovernmental Revenue	14,641,397	15,766,910	16,666,240	15,585,940	(1,080,300)	(6.5)
Charges for Services	525,023	905,831	446,220	471,000	24,780	5.6
Miscellaneous Revenue	154,199	151,621	55,940	64,900	8,960	16.0
Other Financing Sources	145,143	471,950	3,210,000	185,000	(3,025,000)	(94.2)
Total	\$ 56,634,903	\$ 60,317,823	\$ 68,900,420	\$ 70,743,260	\$ 1,842,840	2.7 %

PROGRAM EXPENDITURES

	2008	2009	2008	2009	Absolute	Percent
	FTE	FTE	Budget	Budget	Change	Change
Engineering	105.10	105.10	\$ 6,415,380	\$ 6,237,650	\$ (177,730)	(2.8) %
County Engineer/Admin Svcs	38.64	38.40	11,661,750	12,440,170	778,420	6.7
Transp Planning/Programming	20.00	20.00	3,036,060	2,815,090	(220,970)	(7.3)
Roads Maintenance	166.70	166.70	28,934,490	30,261,500	1,327,010	4.6
Traffic Administration	40.00	40.00	6,507,520	6,320,170	(187,350)	(2.9)
Transfer Out - Construction	—	—	8,000,000	7,200,000	(800,000)	(10.0)
Debt Service	—	—	2,292,890	2,272,360	(20,530)	(0.9)
Transfer Out - Other Service	—	—	2,052,330	3,196,320	1,143,990	55.7
Total	370.44	370.20	\$ 68,900,420	\$ 70,743,260	\$ 1,842,840	2.7 %

County Road Fund

STAFFING SUMMARY

	2004 FTE	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE
Dir - Public Works & Util	0.51	0.42	0.46	0.46	0.46	0.46
County Engineer	1.00	1.00	1.00	1.00	1.00	1.00
Dept Support Services Mgr	—	—	—	—	0.56	0.80
Maintenance Manager	1.00	1.00	1.00	1.00	1.00	1.00
Administrative Svcs Mgr	0.87	0.87	0.85	0.80	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
Engineering Manager	—	2.96	3.00	2.90	2.90	2.90
Assoc Traffic Engineer	1.00	1.00	2.00	2.00	2.00	2.00
Environmental Biologist	3.00	4.00	3.00	4.00	4.00	4.00
Planner	5.00	5.00	5.00	7.00	7.00	7.00
Road Maintenance Supt	2.00	2.00	2.00	2.00	2.00	2.00
Deputy PW & Utilities Dir	0.51	0.42	0.46	0.46	0.46	0.46
Budget & Fiscal Manager	—	—	—	—	1.00	1.00
Right of Way Agent	7.00	7.00	8.00	10.00	10.00	10.00
Traffic Operations Supv	1.00	1.00	1.00	1.00	1.00	1.00
Traffic Signal Tech	5.00	6.00	6.00	6.00	7.00	7.00
Accountant	—	1.71	1.75	1.58	1.58	1.58
Road District Manager	—	—	—	5.00	5.00	5.00
Civil Engineer	45.47	43.47	44.20	52.70	51.70	51.70
Maintenance Office Admin	—	1.00	1.00	1.00	1.00	1.00
Road District Supervisor	—	—	4.00	4.00	4.00	4.00
Heavy Equipment Operator	21.00	21.00	21.00	20.00	19.00	19.00
Civil Engineer - In Trng	—	—	2.00	3.00	4.00	4.00
Contract Compliance Ofcr	1.00	1.00	1.00	1.00	1.00	1.00
GIS Specialist	—	—	—	1.00	1.00	1.00
Public Works/Util Supv	—	—	—	—	1.00	1.00
Maintenance Technician	87.70	85.70	85.70	74.70	71.70	71.70
Engineering Tech	58.30	56.20	58.50	65.50	67.50	67.50
Equipment Operator	—	—	—	1.00	2.00	2.00
Road Operations Field Supervisor	—	—	9.00	10.00	10.00	10.00
Traffic Sign Technician	12.00	12.00	12.00	12.00	12.00	12.00
Public Inormation Spec	—	—	—	—	1.00	1.00
Accounting Assistant	5.80	5.80	5.60	4.58	4.58	4.11
Contract Compliance Spec	1.00	1.00	1.00	1.00	1.00	1.00
Dept Info Tech Spec	3.42	3.31	4.25	3.75	5.00	5.00
Supervisory Admin Asst	1.00	1.00	1.00	1.00	1.00	1.35
Training Coordinator	1.00	2.00	2.00	2.00	2.00	2.00
Administrative Assistant	1.00	1.00	2.00	1.96	1.96	2.80
Records Specialist	1.00	1.00	1.00	1.00	1.00	1.00
Maintenance Office Mgr	5.00	6.00	6.00	6.00	6.00	6.00
Office Assistant	16.16	15.46	15.50	15.60	15.60	14.34
Contract Compl Field Mntr	1.00	1.00	1.00	1.00	1.00	1.00
Contracts Coordinator	—	—	—	1.00	1.00	2.00
Facilities Maint Worker	—	—	0.50	0.50	0.50	0.50
Maintenance Worker	23.00	24.00	20.00	29.00	32.00	32.00
Public Development Mgr	—	—	—	—	0.70	—
Special Projects Manager	—	—	—	—	0.24	—
Public Works Supv	10.00	10.00	6.00	1.00	—	—
Strategic Plng/Asst Mgr	—	1.00	1.00	1.00	—	—
Fiscal Services Mgr	1.00	1.00	1.00	1.00	—	—
Communications Coord	—	—	—	1.00	—	—
Administrative Aide	2.00	0.80	1.00	—	—	—
Airport Administrator	1.00	1.00	—	—	—	—
Maintenance Crew Chief	5.00	5.00	—	—	—	—
Spec Asst to Exec - Transportation	1.00	—	—	—	—	—
Program Development Mgr	1.00	—	—	—	—	—
Admin Program Mgr	0.96	—	—	—	—	—
Total	335.70	336.33	343.98	365.19	370.44	370.20

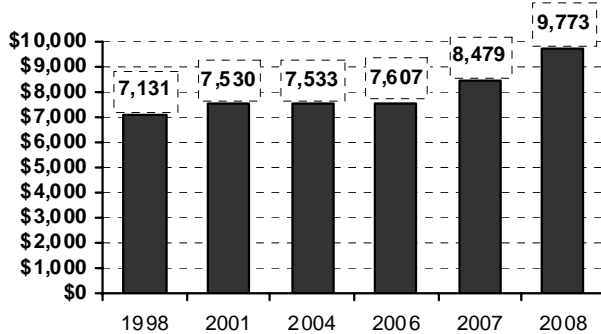
County Road Fund

WORKLOAD SERVICE DATA

	Unit of Measure	2004 Actual	2005 Actual	2006 Actual	2007 Actual	2008 Estimate	2009 Estimate
Pothole Premix Patching	Manhour	1,353	1,499	—	—	—	—
Pothole Premix Patching	Ton	—	—	938	2,624	3,500	3,450
Spreader Box Patching	Ton	8,444	3,269	10,424	5,455	10,296	5,000
Seal Coating	Lane Mile	131	157	69	296	96	85
Skin Patching	Sq Yard	—	—	—	4,482	8,000	7,800
Grading & Shaping Gravel Road	Mile	80	59	53	45	62	55
Haul Aggregate for Gravel Road	Ton	3,430	2,198	1,237	1,745	1,950	1,950
Grading & Shaping Gravel Shld	Sh Mile	686	435	402	465	540	540
Hauling Aggregate - Gravel Shld	Ton	22,428	18,413	18,406	17,647	18,000	17,500
Mowing Shoulders	Sh Mile	2,338	2,899	2,595	3,304	3,490	3,200
Ditching							
With Backhoe/Drott	Lineal Feet	77,142	75,976	68,806	80,015	73,220	75,800
With Belt Loader/Ditchmaster	Ditch Mile	85	87	83	114	90	100
Manual Clean Culvert Ends & Grates	Each	2,375	2,683	3,271	3,428	3,100	3,000
Mech Clean Drainage Structure	Each	2,352	3,359	1,959	3,502	3,200	3,500
Cleaning With Jet Rodder	Lineal Feet	77,078	79,766	75,819	119,633	95,000	90,000
Repair/Replace							
Culvert Pipe	Lineal Feet	2,499	2,371	2,765	2,537	3,250	3,000
Catch Basin	Each	51	29	29	43	50	50
Drywell/Drainfield	Each	10	14	25	12	20	20
Erosion Control	Manhour	423	248	237	324	400	400
Grate	Each	60	71	69	47	87	85
Paint Culvert Marks	Each	23	431	215	300	400	400
Bridge Repair	Manhour	499	407	566	328	550	500
Luminaire Routine	Each	761	746	816	970	1,100	1,300
Signage Activity	Each	159,817	156,979	160,166	167,868	170,000	170,000
Pavement Markings	Each	4,383	4,444	3,712	4,326	5,000	5,000
Pavement Striping	Mile	1,857	1,925	1,804	1,858	1,875	1,875
Signal Electronics Repair	Manhour	1,076	213	1,400	1,200	1,400	1,400
Signal Cabinet	Intersection	340	343	390	534	450	500
Signal Routine	Intersection	1,021	971	1,012	1,086	1,100	1,200
Signal Misc Intersection Repairs	Each	543	458	961	1,078	600	600
Signal Relamping	Each	4,164	4,546	4,997	4,787	4,900	4,900
Guardrail Repair	Manhour	1,849	1,418	1,481	1,486	1,895	1,950
Plowing Snow	Lane Mile	14,709	5,228	3,711	10,096	11,220	10,000
Sanding	Ton	5,275	2,205	3,017	4,123	4,120	3,800
Front End Broom	Lane Mile	3,693	4,133	3,534	3,829	3,800	4,100
Self-Propelled/Self-Load Sweep	Lane Mile	6,423	7,517	7,382	6,663	7,900	7,900
Flushing	Curb Mile	129	74	17	2	15	15
Rotary Brush Cutter	Sh Mile	693	871	832	674	874	800
Brushing & Chipping	Sh Mile	148	144	—	—	—	—
Brushing & Chipping	Manhour	—	—	9,441	7,686	3,580	3,580
Litter Pickup	Manhour	4,451	14,487	5,864	6,139	6,150	6,200
Cut & Fill Slope Repairs	Manhour	977	1,112	5,453	2,469	1,250	1,250
Maint Admin - Field Supervision	Manhour	16,161	15,987	16,336	15,795	16,000	16,100
Maint Admin - Office Support	Manhour	8,075	7,781	7,870	7,647	8,050	8,050
Training	Manhour	4,731	4,103	3,665	6,023	5,650	5,650

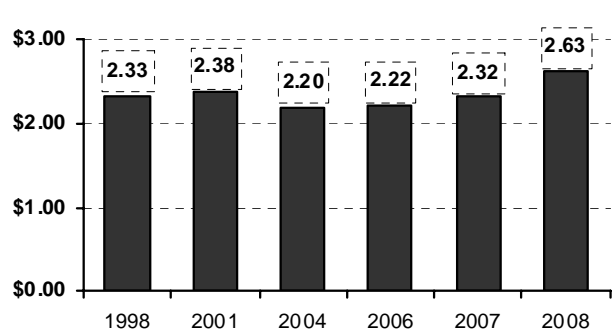
BUDGET RATIOS

Expense per Lane Mile of Road



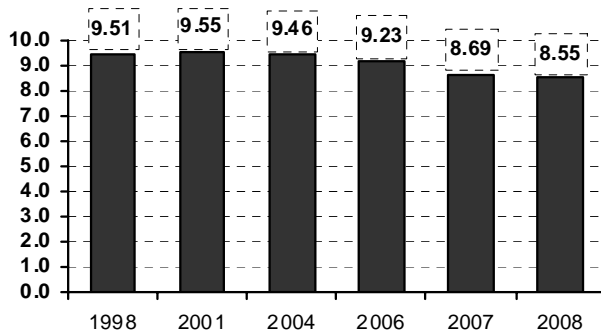
❖ From 1998 to 2008 the maintenance and operations expense per lane mile of road maintained increased 37% after adjusting for inflation because of higher fuel and asphalt costs. Data is not available prior to 1998. The ten year average is 7,726.

Expense per 100 Vehicle Miles Traveled



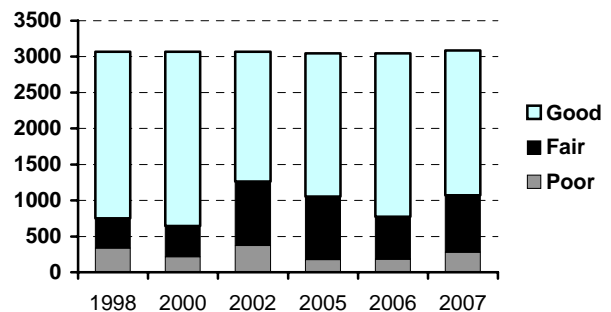
❖ From 1998 to 2008 the total maintenance and operations expense per 100 vehicle miles traveled increased 13% after adjusting for inflation. Data is not available prior to 1998. The ten year average is 2.30.

Lane Miles of Road per Employee



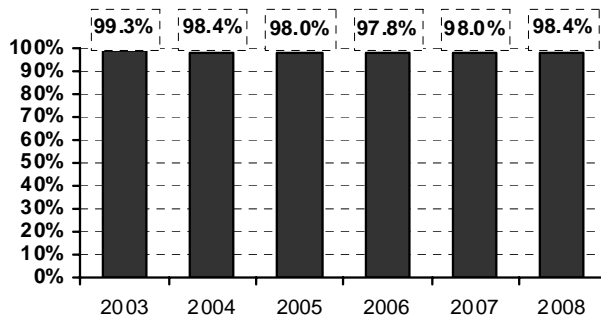
❖ From 1998 to 2008 the average number of lane miles of road maintained per department employee decreased 10%. The ten year average is 9.32.

Pavement Condition by Lane Miles



❖ From 1998 to 2007, the lane miles of road with a surface rating of good or fair increased 3%. The rating scale changed somewhat in 1998 to align with current standards. Road condition assessment occurs late in the year. The ten year average good or fair is 2,810

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 2003 to 2008, the percentage of miles meeting concurrency decreased 1%. Data is not available prior to 2003. The six year average is 98.3%

County Road Fund

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 2009 Equipment Rental and Revolving Fund reflects a small decrease from the 2008 budget, due to the fact that the 2008 budget included a larger allocation for vehicle replacement purchases. The 2009 budget includes one new position to deal with increased workload responsibilities (in place of extra hire).

FUNDING SOURCES						
	2006 Actual	2007 Actual	2008 Budget	2009 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 2,124,580	\$ 73,430	\$ (2,051,150)	(96.5) %
Charges for Services	3,518,288	4,422,916	4,124,930	4,853,440	728,510	17.7
Miscellaneous Revenue	7,090,716	8,317,134	8,195,440	9,703,970	1,508,530	18.4
Other Financing Sources	393,943	2,027,777	879,100	434,000	(445,100)	(50.6)
Total	\$ 11,002,947	\$ 14,767,827	\$ 15,324,050	\$ 15,064,840	\$ (259,210)	(1.7) %

PROGRAM EXPENDITURES						
	2008 FTE	2009 FTE	2008 Budget	2009 Budget	Absolute Change	Percent Change
Equipment Operating/Repair Srv	26.30	27.30	\$ 5,826,990	\$ 6,856,270	\$ 1,029,280	17.7 %
Physical Improvement	—	—	—	43,330	43,330	∞
Capital Expenses	—	—	5,570,400	3,417,800	(2,152,600)	(38.6)
Revolving Account Expenses	—	—	3,926,660	4,747,440	820,780	20.9
Total	26.30	27.30	\$ 15,324,050	\$ 15,064,840	\$ (259,210)	(1.7) %

Equipment Rental and Revolving Fund

STAFFING SUMMARY

	2004 FTE	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE
Dir - Public Works & Util	0.05	0.04	0.05	0.05	0.05	0.05
Dept Support Services Mgr	—	—	—	—	0.20	0.20
Deputy PW & Utilities Dir	0.05	0.04	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
Equipment Tech - ASE Master	—	—	—	5.00	4.00	4.00
Equipment Tech - ASE	—	—	—	3.00	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
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	1.00	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	2.00	3.00	3.00
Administrative Svcs Mgr	0.13	0.13	0.15	0.20	—	—
Mechanic Heavy Duty Lead	1.00	1.00	1.00	—	—	—
Mechanic - ASE	3.00	2.00	2.00	—	—	—
Mechanic Heavy Duty	3.00	3.00	3.00	—	—	—
Mechanic	5.00	6.00	6.00	—	—	—
Mechanic Heavy Duty - ASE	4.00	4.00	4.00	—	—	—
Special Asst to Dir PW & Util	—	0.02	0.02	—	—	—
Office Assistant	0.20	0.20	—	—	—	—
Dept Info Tech Spec	0.04	0.03	—	—	—	—
Total	24.47	24.46	24.27	24.30	26.30	27.30

WORKLOAD SERVICE DATA

	Unit of Measure	2004 Actual	2005 Actual	2006 Actual	2007 actual	2008 Estimate	2009 Estimate
Active vehicles in fleet	Vehicles	456	448	472	478	485	502
Work orders processed per year	Work Order	5,290	5,337	5,254	5,163	5,200	5,250
Total vehicle operating hours	Hours	406,392	393,662	413,982	431,269	452,832	475,473

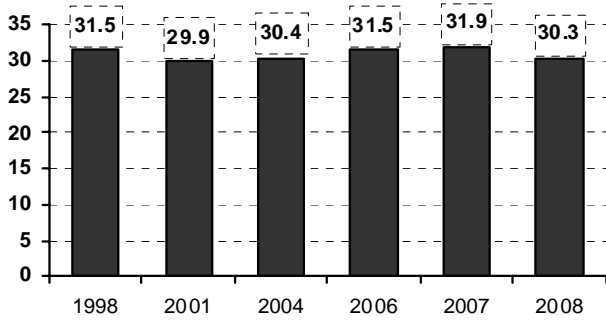
Equipment Rental and Revolving Fund

EQUIPMENT PURCHASES

Department	Qty	Equipment Description	2009 Budget
Replacement Equipment (funded by replacement reserve)			
Facilities	1	Mower Zero Turn	\$ 17,000
Parks	2	P/U 1/4T Reg Cab	36,000
Roads	1	Aerial 23' W/1T Van	140,000
	1	Aerial 40' and Chassis Upgrade	85,000
	2	Air Compressor Trailer Mounted	36,000
	1	Crack Sealer Trailer Mounted	50,000
	2	P/U 1/2T Ext Cab 4X4	54,000
	4	P/U 1/4T Crew Cab 4X4 W/Canopy	116,000
	2	P/U 1T Flatbed	60,000
	4	P/U 1T Flatbed W/Diesel Engine	140,000
	3	P/U 3/4T Reg Cab 4X4	90,000
	1	Roller Steel Drum	50,000
	1	Storm Drain Camera Trailer Mounted	125,000
	2	SUV Mid Size	48,000
	4	Sweeper Mechanical Street	780,000
	1	Trailer Small Equipment	9,000
	1	Van 3/4T Cargo W/Cabinets and Desk	35,000
Sewer Utilities	1	Van 1T W/Cabinets	35,000
	1	Van 1T W/Cabinets Upgrade	22,000
	1	Van Small Cargo	20,000
Surface Water Management	1	Excavator Long Carriage	400,000
	37	Subtotal	2,348,000
New Equipment (funded by Department listed)			
Equipment Services Division	1	P/U 1/2T Ext Cab	22,000
	1	Small Electric Yard Vehicle	20,000
Parks	1	72" Mower W/Blower Attach	29,750
	1	P/U 1T Flatbed W/Dump	31,750
	1	P/U 3/4T Reg Cab	20,500
	1	Tractor Backhoe/Loader	41,000
	1	Utility Transport	15,750
Roads	1	P/U 1/4T Crew Cab 4X4	27,000
	1	P/U 1/4T Ext Cab W/Canopy	28,000
Sewer Utilities	1	SUV Small Hybrid Electric	30,250
Surface Water Management	1	P/U 1/2T Ext Cab 4X4	27,000
	1	P/U 1/4T Ext Cab 4X4 W/Canopy	27,000
	12	Subtotal	320,000
Other			
		Other Non-Vehicle Purchases	299,800
		Unscheduled Replacements	450,000
		Subtotal	749,800
	49	Total	\$ 3,417,800

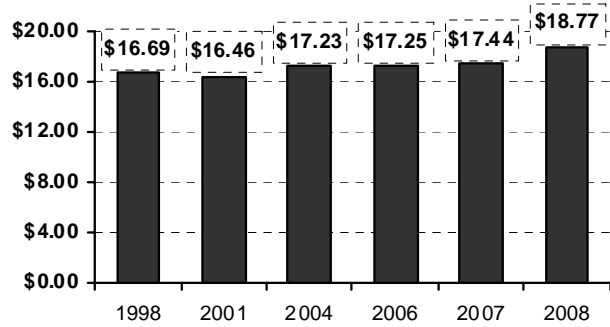
BUDGET RATIOS

Active Vehicles per Mechanic



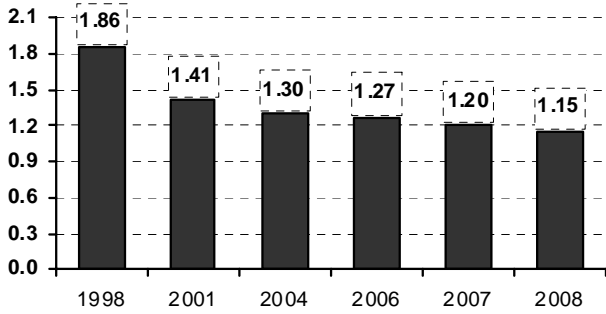
❖ From 1998 to 2008 the number of active vehicles per mechanic decreased 4%. The ten year average is 30.1.

Operating Cost per Hour



❖ From 1998 to 2008 the operating cost per hour of vehicle usage increased 12% after adjusting for inflation. The ten year average is \$16.95.

Work Orders per 100 Hours of Operation



❖ From 1998 to 2008 the number of work orders per 100 hours of vehicle operation decreased 38%. The ten year average is 1.33.

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, Ketrion 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 Ketrion 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, 2008 is \$6,783,574. The interest rate is 1% and .05% on the two loans payable annually on July 1.

Budget Highlights:

The Ferry Service budget for 2009 reflects the following:

- a) Ferry service operating expenses, including a large increase for diesel oil;
- b) Dry-dock maintenance on the Steilacoom II ferry;
- c) Debt Service payments for the new ferry (largely state grant funded); and
- d) One additional position (in place of existing contract services) to perform necessary oversight and supervisory functions.

Performance Measures

- 1) Operating revenues will cover 74% of all non-capital costs; which include 100% of operating expenses, 50% of vessel depreciation, and 100% of terminal building depreciation. (Goals A, B, E, G, H)

FUNDING SOURCES							
	2006	2007	2008	2009	Absolute	Percent	
	Actual	Actual	Budget	Budget	Change	Change	
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 146,000	\$ —	\$ (146,000)	(100.0)	%
Intergovernmental Revenue	3,010,714	2,310,183	1,291,880	2,015,000	723,120	56.0	
Charges for Services	1,882,058	2,014,802	2,178,000	2,192,000	14,000	0.6	
Miscellaneous Revenue	273,086	241,043	410,000	247,000	(163,000)	(39.8)	
Other Financing Sources	4,817,067	(1,539,862)	226,000	172,000	(54,000)	(23.9)	
Total	\$ 9,982,925	\$ 3,026,166	\$ 4,251,880	\$ 4,626,000	\$ 374,120	8.8	%

Ferry Services Fund

EXPENDITURES

	2006 Actual	2007 Actual	2008 Budget	2009 Budget	Absolute Change	Percent Change
Salaries & Wages	\$ 191,259	\$ 135,692	\$ 210,020	\$ 279,070	\$ 69,050	32.9 %
Personnel Benefits	43,717	35,839	65,470	95,010	29,540	45.1
Supplies	436,413	629,443	569,370	785,480	216,110	38.0
Other Services & Charges	2,711,678	2,677,423	2,618,610	2,805,920	187,310	7.2
Intergovernmental Services	4,995	5,359	—	—	—	—
Capital Outlays	9,988,185	(65,476)	186,000	60,000	(126,000)	(67.7)
Debt Service	42,569	42,474	602,410	600,520	(1,890)	(0.3)
Total	\$ 13,418,816	\$ 3,460,754	\$ 4,251,880	\$ 4,626,000	\$ 374,120	8.8 %

STAFFING SUMMARY

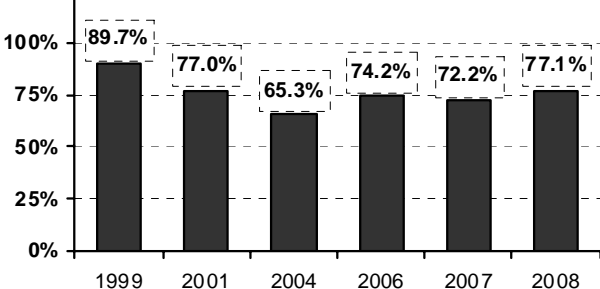
	2004 FTE	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE
Dir - Public Works & Util	—	0.04	0.02	0.02	0.02	0.02
Engineering Manager	—	0.04	—	0.10	0.10	0.10
Marine Supervisor	—	—	—	—	—	1.00
Deputy PW & Utilities Dir	—	0.04	0.02	0.02	0.02	0.02
Airport Administrator	—	—	—	—	0.50	0.50
Public Works/Util Prj Crd	—	—	—	—	0.50	0.50
Civil Engineer	0.53	0.53	0.80	0.30	0.30	0.30
Maintenance Tech	0.30	0.30	0.30	0.30	0.30	0.30
Accounting Assistant	0.20	0.20	0.40	0.42	0.42	0.68
Administrative Assistant	—	—	—	0.04	0.04	0.20
Accountant	—	0.29	0.25	0.42	0.42	—
Ferry Administrator	—	—	1.00	1.00	—	—
Special Asst to Dir PW&U	—	0.02	0.01	—	—	—
Administrative Aide	—	0.20	—	—	—	—
Engineering Tech	0.20	0.20	—	—	—	—
Dept Info Tech Spec	0.04	0.03	—	—	—	—
Admin Program Mgr	0.04	—	—	—	—	—
Office Assistant	0.30	—	—	—	—	—
Total	1.61	1.89	2.80	2.62	2.62	3.62

WORKLOAD SERVICE DATA

	Unit of Measure	2004 Actual	2005 Actual	2006 Actual	2007 Actual	2008 Estimate	2009 Estimate
Total Ferry Ticket Sales	Tickets	204,430	212,529	211,996	196,094	200,000	200,000

BUDGET RATIOS

Extent of Self-Support from Ferry Tolls



❖ From 1999 to 2008 ferry tolls as a percentage of operating expenses (excluding depreciation and debt service) decreased by 14%. [Ferry expenditures and revenues prior to 1999 were reported only within the County Roads fund.] The nine year average is 71.7%.

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.

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, 2008 is estimated to be \$2,500,700.

Budget Highlights:

The Public Works Construction Fund budget for 2009 totals \$55,870,000 which is an 8.1% increase over 2008. 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 2009.

Performance Measures

- 1) Design and advertise at least 90% of the number of projects planned to be advertised in the annual element of the Transportation Improvement Program. (Goals A, B, E, G, H)
- 2) Complete construction on at least 90% of the number of projects planned to be completed with construction in the annual element of the Transportation Improvement Program. (Goals A, B, E, G, H)

Public Works Construction Fund

FUNDING SOURCES

	2006	2007	2008	2009	Absolute	Percent
	Actual	Actual	Budget	Budget	Change	Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 10,506,000	\$ 8,491,450	\$ (2,014,550)	(19.2) %
Intergovernmental Revenue	9,881,577	12,187,860	9,919,000	9,745,350	(173,650)	(1.8)
Charges for Services	1,911,757	1,818,102	21,000	1,544,200	1,523,200	7,253.3
Miscellaneous Revenue	39,866	12,050	—	—	—	—
Other Financing Sources	15,509,673	24,444,348	31,216,000	36,089,000	4,873,000	15.6
Total	\$ 27,342,873	\$ 38,462,360	\$ 51,662,000	\$ 55,870,000	\$ 4,208,000	8.1 %

EXPENDITURES

	2006	2007	2008	2009	Absolute	Percent
	Actual	Actual	Budget	Budget	Change	Change
Salaries & Wages	\$ 3,254,699	\$ 3,620,893	\$ 5,430,810	\$ 6,008,520	\$ 577,710	10.6 %
Personnel Benefits	936,222	1,119,548	1,478,170	1,879,500	401,330	27.2
Supplies	74,047	67,763	114,710	129,080	14,370	12.5
Other Services & Charges	4,225,189	3,368,955	4,054,960	2,670,950	(1,384,010)	(34.1)
Intergovernmental Services	1,366,040	2,146,968	1,486,000	626,910	(859,090)	(57.8)
Capital Outlays	20,867,110	24,648,419	39,097,350	44,555,040	5,457,690	14.0
Total	\$ 30,723,307	\$ 34,972,546	\$ 51,662,000	\$ 55,870,000	\$ 4,208,000	8.1 %

Project Summary

2009 Funding Sources
(All Costs in \$1000's)

PROJECT NAME	PROJECT LIMITS	CRP #	Total Cost	2009						
				Budget	Carry-over	Road Fund	Excise Tax	Real Estate	Traffic Impact Fees	Other
Bridge #1172-C / 288 St S	At Lacamas Creek	5733	TBD	\$ 15	\$ —	\$ 15	\$ —	\$ —	\$ —	\$ —
Bridge #1204-A / Stewart Rd	Stewart Rd over White / Stuck River	5388	5,800	1	1	—	—	—	—	—
Bridge #19204-H / 70 Ave E	River Rd E (SR-167) to N Levee Rd E	5369	9,100	25	3	—	—	—	—	22
Bridge #2210-B / S Vaughn Rd Kpn	S Vaughn Rd KPN over Vaughn Bay	5352	2,990	2,100	150	441	—	—	—	1,509
Bridge #28283-A / 8 Ave E	At N Fork Muck Creek	5734	TBD	1	1	—	—	—	—	—
Bridge #36193-A / 176 St E	176 St E over Tacoma Rail	5387	6,000	300	—	—	300	—	—	—
Canyon Rd E	131 St Ct E to 116 St E	5433	12,050	50	—	—	50	—	—	—
Canyon Rd E	160 St E to 116 St E	5714	964	25	—	—	25	—	—	—
Canyon Rd E	160 St E to 131 St Ct E	5404	11,310	50	—	—	50	—	—	—
Canyon Rd E	172 St E to 160 St E	5656	13,650	4,046	21	8	2,497	—	—	1,520
Canyon Rd E	106 St E to 96 St E	5735	TBD	50	—	50	—	—	—	—
Canyon Rd E	400' N of 84 St E to 72 St E	5736	TBD	1	1	—	—	—	—	—
Canyon Rd E	99 St Ct E to 900' N of 84 St E	5726	22,500	850	436	—	—	—	111	303
Canyon Rd E / Northerly Extension	Pioneer Way E to 52 St E / 62 Ave E	5643	25,000	650	—	—	500	24	—	126
Canyon Rd E / Southerly Extension	224 St E to 192 St E	5764	17,500	705	—	—	705	—	—	—
Canyon Rd E / Southerly Extension	260 St E / SR-7 to 224 St E	5124	15,000	110	110	—	—	—	—	—
Canyon Rd E / Southerly Extension	200 St E to 192 St E	5688	2,965	2	2	—	—	—	—	—
Cromwell Dr NW / Seawall Repair	200' W of 56 Av Ct NW to 800' E of 56 Av Ct NW	5716	325	15	15	—	—	—	—	—
Crosswalk Marking Program	Various Intersections	5750	75	75	—	75	—	—	—	—
Crystal Mountain Blvd E	Crystal Mountain Ski Area to SR-410	5738	5,900	25	25	—	—	—	—	—
Day Labor	Countywide	5000	250	265	—	265	—	—	—	—
Fairfax Forest Reserve Rd	At Milepost 1.70 to 1.72	5746	510	470	62	—	—	—	—	408
FI Bridge Rd NW /Warren Dr NW /32 St NW	FI Br #26211-A to 70 Ave NW	5667	3,695	1,235	394	533	—	—	—	308
Fruitland Ave E / 104 St E	Intersection	5598	TBD	150	—	50	—	100	—	—
Garfield St S	C St S to SR-7	5730	TBD	25	—	25	—	—	—	—
Grant/Developer Leveraging Program	Various Locations	5999	100	79	79	—	—	—	—	—
Guardrail Program - 2007	Orville Rd E/304 St E/Cramer Rd KPN & 118 Av N	5699	394	2	2	—	—	—	—	—
Guardrail Program - 2008	Countywide	5739	102	2	2	—	—	—	—	—
Guardrail Program - 2009	Countywide	5724	100	100	—	100	—	—	—	—
Jahn Ave NW / 32 St NW / 22 Ave NW	36 St NW to 24 St NW	5540	1,420	75	50	—	—	—	—	25
Key Pen Hwy Kpn/Olsen Rd Kpn/Cramer Rd Kpn	Intersection	5740	1,160	350	—	—	—	89	—	261
Key Pen Hwy Kpn / 134 St Kpn	Intersection	5765	TBD	25	—	25	—	—	—	—
Key Pen Hwy Kpn	Key Ctr to SR-302 (Elgin Clifton Rd Kpn)	5751	TBD	1	1	—	—	—	—	—

Project Summary

2009 Funding Sources
(All Costs in \$1000's)

PROJECT NAME	PROJECT LIMITS	CRP #	Total Cost	2009 Funding Sources						
				2009 Budget	Carry-over	Road Fund	Excise Tax	Real Estate	Traffic Impact Fees	Other
Military Rd E / 122 Ave E	830' S of 136 St E to Reservoir Rd E	5145	2,776	2	2	—	—	—	—	—
Military Rd E / 122 St E	130 Ave Ct E to SR-162	5592	284	150	—	—	—	—	150	—
Military Rd E / Reservoir Rd E	Intersection	5514	1,650	1,475	30	450	—	—	995	—
Military Rd S / Spanaway Loop Rd S	Intersection	5717	TBD	130	—	8	—	—	—	122
Miscellaneous Engineering	Various Locations	5100	100	100	100	—	—	—	—	—
Orting Kapowsin Hwy E / 200 St E	Intersection	5758	TBD	150	—	25	—	—	125	—
Pioneer Way E / Waller Rd E	Intersection	5628	2,900	105	—	—	—	—	105	—
Portland Ave E	SR-512 to 72 St E	5718	60	10	—	10	—	—	—	—
Pt Fosdick / Stone Dr NW / 34 Ave NW	Intersection	5581	1,500	1	1	—	—	—	—	—
Rhodes Lake Rd E	Falling Water Blvd to 198 Ave E	5728	TBD	1	1	—	—	—	—	—
Sehmel Dr NW	Homestead Park to Bujacich Dr NW	5705	TBD	1	1	—	—	—	—	—
Shaw Rd E	122 St E to Puyallup City Limits	5759	TBD	175	—	—	—	—	175	—
Spanaway Loop Rd S	S of Garfield St S to N of Wheeler St S	5664	1,038	75	—	75	—	—	—	—
Spot Safety Program	Various Locations	5247	50	50	50	—	—	—	—	—
SR-167	W of and E of new Bridge #19204-H	5644	3,600	25	3	—	—	—	—	22
SR-167 / Stewart Rd	W Valley Hwy E to SR-167 NB On-Ramp	5467	300	300	300	—	—	—	—	—
SR-410	Eastbound Ramp at 166 Ave E	5707	TBD	1	1	—	—	—	—	—
SR-507 / 8 Ave S	Intersection	5747	100	50	50	—	—	—	—	—
SR-7	SR-512 to SR-507	5668	3,875	180	—	—	—	—	—	180
SR-704 (Cross Base Hwy)	I-5 to 176 St S	5469	5,080	15	—	—	—	15	—	—
SR-704 (Cross Base Hwy) WSDOT Reimburse	I-5 to 176 St S	5704	524	10	—	—	—	—	—	10
State Contract Participation	Various Locations	5199	100	100	100	—	—	—	—	—
Stewart Rd	SR-167 Northbound On-Ramp to Bridge #1204-B	5466	13,000	1	1	—	—	—	—	—
Stewart Rd	Bridge #1204-A to Lake Tapps Pkwy E	5660	9,270	2,600	—	738	—	—	—	1,862
Sumner Tapps Hwy E / S Tapps Dr E	Intersection	5708	TBD	150	—	—	—	—	150	—
Traffic Calming Pilot Program	Parkland, Spanaway, and Unincorp Steilacoom	5300	200	180	—	180	—	—	—	—
Valley Ave E / 70 Ave E	Freeman Rd E to 20 St E	5148	1,639	1	1	—	—	—	—	—
Waller Rd E / 128 St E	Intersection	5633	TBD	150	—	25	—	—	125	—
Waller Rd E / 84 St E	Intersection	5760	TBD	150	—	75	—	—	75	—
Warren St S	Roy City Limits to Fort Lewis Gate	5766	TBD	1	—	1	—	—	—	—
Wetland Banking Program	Various Locations	5330	75	75	75	—	—	—	—	—
Wollochet Dr NW	600' N of E Bay Dr NW to 400' N of Fillmore NW	5542	8,750	1,429	—	—	—	1,429	—	—
Wollochet Dr NW	40 St NW to 600' N of East Bay Dr NW	5696	13,250	1,424	—	—	—	1,424	—	—

Project Summary

2009 Funding Sources
(All Costs in \$1000's)

PROJECT NAME	PROJECT LIMITS	CRP #	Total Cost	2009 Budget	Carry-over	2009 Funding Sources			
						Road Fund	Excise Tax	Real Estate	Traffic Impact Fees
Woodland Ave E / 128 St E	Intersection	5634	2,100	1,300	—	1,175	—	125	—
Woodland Ave E / 160 St E	Intersection	5753	TBD	50	—	50	—	—	—
8 Ave E & S - Lighting and Flashers	Intersection	5709	159	2	—	—	—	—	2
9 St E / 12 St E	182 Ave E to 198 Ave E	5757	TBD	80	—	80	—	—	—
12 St E / 210 Ave E	Vicinity of 208 Ave E to 1300 Block	5761	TBD	1	—	1	—	—	—
22 Ave E	208 St E to 192 St E	5586	TBD	1	1	—	—	—	—
22 Ave E	192 St E to 176 St E	5695	TBD	1	1	—	—	—	—
22 Ave E / 152 St E	Intersection	5650	TBD	145	—	20	—	125	—
22 Ave E / 176 St E	Intersection	5756	1,500	600	—	—	600	—	—
22 Ave E / 192 St E	Intersection	5670	1,505	2	—	2	—	—	—
36 St NW	Gig Harbor City Limits to 22 Ave NW	5531	700	140	65	75	—	—	—
52 St E / 66 Ave E	Intersection	5719	300	70	70	—	—	—	—
52 St E / 70 Ave E	52 St E / 62 Ave E to River Rd E (SR-167)	5498	10,000	145	20	—	—	—	125
62 Ave E	52 St E to SR-167	5720	50	50	50	—	—	—	—
70 Ave E	N Levee Rd E to 500' S of 45 St Ct E	5645	9,200	25	3	—	—	—	22
78 Ave E	176 St E to 160 St E	5651	TBD	25	—	25	—	—	—
78 Ave E / 184 St E	Intersection	5661	TBD	145	—	—	—	145	—
78 Ave E / 192 St E	Intersection	5641	1,200	1	1	—	—	—	—
86 Ave E	176 St E to 152 St E	5549	TBD	5	5	—	—	—	—
86 Ave E / 128 St E	Intersection	5491	1,975	1,200	—	420	—	780	—
94 Ave E	500' S of 136 St E to 116 St E	5532	16,000	6,250	—	—	2,532	824	2,894
94 Ave E	200' S of 144 St E to 500' S of 136 St E	5533	TBD	1	—	1	—	—	—
94 Ave E	157 St E to 152 St E	5721	100	10	—	10	—	—	—
94 Ave E / 144 St E	Intersection	5743	TBD	186	—	—	—	166	20
94 Ave E / 152 St E	Intersection	5510	TBD	150	—	25	—	125	—
111 Ave E / 122 St E	Intersection	5744	TBD	150	—	—	—	150	—
111 Ave E / 128 St E	Intersection	5685	TBD	160	—	—	—	160	—
112 St E	300' E of Woodland Ave E to 86 Ave E	5534	12,150	2,192	2,045	—	—	—	147
112 St E	198 Ave E / 199 Ave Ct E to 300' W of 203 Ave E	5590	1,200	196	—	196	—	—	—
112 St E	500' E of "A" St S to 18 Ave E	5686	TBD	1	—	1	—	—	—
112 St E	Portland Ave E to 300' E of Woodland Ave E	5711	1,050	33	—	33	—	—	—
112 St S	"C" St S to 500' E of "A" St S	5423	TBD	1	1	—	—	—	—
121 St S	"C" St S to SR-7	5591	TBD	1	1	—	—	—	—

Project Summary

2009 Funding Sources
(All Costs in \$1000's)

PROJECT NAME	PROJECT LIMITS	CRP #	Total Cost	2009						
				Budget	Carry-over	Road Fund	Excise Tax	Real Estate	Traffic Impact Fees	Other
122 Ave E / 144 St E	Intersection	5763	TBD	1	—	1	—	—	—	—
128 St E	300' E of 86 Ave E to 94 Ave E	5594	TBD	1	1	—	—	—	—	—
128 St E / Cascadia Blvd E / Falling Water Blvd E	SR-162 to Falling Water Blvd	5731	TBD	50	—	50	—	—	—	—
160 St E	300' E of SR-161 to John Bananola Way E	5767	TBD	70	—	70	—	—	—	—
176 St E	600' E of 78 Ave to Gem Heights Dr E	5424	10,050	3,800	—	1,000	1,800	1,000	—	—
176 St E	"B" St E to 14 Ave E	5471	14,000	3,640	—	—	3,640	—	—	—
176 St E	1,000' E of Canyon Rd E to 300' W of 78 Ave E	5472	12,000	3,650	—	—	2,900	750	—	—
176 St E	14 Ave E to Waller Rd E	5536	14,300	1,579	—	—	1,579	—	—	—
176 St E	Waller Rd E to 500' W of 51 Ave E	5537	18,700	2,040	—	—	2,040	—	—	—
176 St E	300' W of 78 Ave E to 600' E of 78 Ave E	5723	1,640	127	—	—	127	—	—	—
176 St E	1,500' W of SR-161 to SR-161	5745	140	102	—	—	102	—	—	—
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	12,500	1	1	—	—	—	—	—
184 St E	82 Ave E to 86 Ave E	5596	TBD	75	—	75	—	—	—	—
192 St E	38 Ave E to Canyon Rd E	5487	1,925	210	200	10	—	—	—	—
198 Ave E	120 St E to Rhodes Lake Rd E	5674	502	167	—	57	—	—	—	110
198 Ave E	144 St E to 120 St E	5675	1,467	708	—	20	—	—	—	688
198 Ave E / 199 Ave Ct E	Rhodes Lake Rd to 104 St E	5676	3,585	1,233	—	629	—	—	—	604
288th St E - Asphalt Overlay	8th St E to Roy City Limits	5732	1,330	2	2	—	—	—	—	—
3R Program - 2008	Various Roads Countywide	5725	3,857	2	2	—	—	—	—	—
3R Program - 2009	Various Roads Countywide	5742	4,000	3,950	3,950	—	—	—	—	—
Total				\$ 412,166	\$ 55,870	\$ 8,491	\$ 7,200	\$ 22,315	\$ 6,574	\$ 11,290

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 2009 REET River budget is 31.2% below the 2008 amount, due mostly to a reduction in grant monies available for land purchases. The 2009 budget does include:

- a) Major flood plain land purchases and related expenses (\$5,329,000) – largely funded with grant monies; and
- b) The Lower Puyallup River Alternatives study phase 2 (\$750,000).

FUNDING SOURCES

	2006 Actual	2007 Actual	2008 Budget	2009 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 2,162,140	\$ 314,180	\$ (1,847,960)	(85.5) %
Taxes	2,442,918	1,755,806	1,805,000	1,200,000	(605,000)	(33.5)
Intergovernmental Revenue	1,332,459	139,861	5,664,000	5,110,080	(553,920)	(9.8)
Miscellaneous Revenue	2,425,698	—	—	—	—	—
Total	\$ 6,201,075	\$ 1,895,667	\$ 9,631,140	\$ 6,624,260	\$ (3,006,880)	(31.2) %

PROGRAM EXPENDITURES

	2008 FTE	2009 FTE	2008 Budget	2009 Budget	Absolute Change	Percent Change
Administration & Tech Support	1.51	1.51	\$ 2,228,740	\$ 1,295,260	\$ (933,480)	(41.9) %
Basin Plan & Land Acquisition	—	—	7,402,400	5,329,000	(2,073,400)	(28.0)
Total	1.51	1.51	\$ 9,631,140	\$ 6,624,260	\$ (3,006,880)	(31.2) %

REET River Fund

STAFFING SUMMARY

	2004 FTE	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE
Water Programs Manager	0.10	0.05	0.05	0.05	0.05	0.05
Civil Engineer	0.94	0.90	0.75	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
Accounting Assistant	0.30	0.30	0.25	0.25	0.25	0.25
Environmental Biologist	—	—	0.10	0.10	0.10	0.10
Planner	—	—	0.03	—	—	—
Administrative Svcs Mgr	0.05	0.03	—	—	—	—
Fiscal Services Manager	—	0.05	—	—	—	—
Supervisory Admin Asst	0.05	0.03	—	—	—	—
Admin Program Mgr	0.05	—	—	—	—	—
Deputy PW & Utilities Dir	0.01	—	—	—	—	—
Total	1.71	1.57	1.39	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 2009 budget primarily reflects the transfer of monies to the Roads Construction Fund for those projects listed in the Roads Construction fund. Funding is provided from prior fund balance, estimated 2009 revenues, and potential bond or other debt financing (\$19,000,000).

FUNDING SOURCES

	2006 Actual	2007 Actual	2008 Budget	2009 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 9,285,810	\$ 274,000	\$ (9,011,810)	(97.0) %
Taxes	7,328,437	5,266,504	5,490,000	3,600,000	(1,890,000)	(34.4)
Other Financing Sources	—	—	4,000,000	19,000,000	15,000,000	375.0
Total	\$ 7,328,437	\$ 5,266,504	\$ 18,775,810	\$ 22,874,000	\$ 4,098,190	21.8 %

PROJECT SUMMARY

Project Name	Project Limits	CRP #	2009 Budget
Bridge #36193-A / 176 St E	176 ST E over Tacoma Rail	5387	\$ 300,000
Canyon Rd E	131 St Ct E to 116 St E	5433	50,000
Canyon Rd E	160 St E to 131 St Ct E	5404	50,000
Canyon Rd E	1,050' N of 176 St E to 160 St E	5656	2,497,000
Canyon Rd E - Northerly Exit	Pioneer Way E to 52 St E / 62 Ave E	5643	500,000
Canyon Rd E - Southerly Exit	224 St E to 192 St E	5123	705,000
Canyon Rd E	160 St E to 116 St E	5714	25,000
SR-704 (Cross Base Hwy)	I-5 to 176 St S	5469	15,000
Wollochet Dr NW	40 St NW to East Bay Dr NW	5696	1,424,000
Wollochet Dr NW	East Bay Dr NW to Fillmore Dr NW	5542	1,429,000
22 Ave E / 176 St E	Intersection	5756	600,000
94th Ave E	136 St E to 116 St E	5532	2,532,000
176th St E	Waller Rd E to 500' W of 51 Ave E	5537	2,040,000
176th St E	"B" St E to 14 Ave E	5471	3,640,000
176th St E	1,000' E of Canyon Rd E to 300' W of 78 Ave E	5472	2,900,000
176th St E	14 Ave E to Waller Rd E	5536	1,579,000
176th St E	600' E of 78 Ave to Gem Heights Dr E	5424	1,800,000
176th St E	300' W of 78 Ave E to 600' E of 78 Ave E	5723	127,000
176th St E	600' W of SR-161 to SR-161	5745	102,000
Total Public Works Construction Projects			22,315,000
Roads Administration Expenses			83,340
Debt Service			475,660
Total Public Works			\$ 22,874,000

Second REET Roads Fund

Sewer Revenue Bonds Fund

Enterprise Fund

Departmental Summary:

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

Sewer Revenue Bonds, 2001 - The \$18,495,000 sewer revenue bonds which were issued to provide sewer service to the Dupont area, are serial bonds due in annual installments ranging from \$915,000 to \$1,100,000 plus interest of 4.25% to 5.10%. Bonds maturing August 1, 2009 through August 1, 2012 are callable beginning August 1, 2002 or on any scheduled interest payment date thereafter from excess ULID assessment payments. Bonds maturing on or after August 1, 2012 are callable on August 1, 2011 or on any scheduled interest payment date thereafter. The bond balance on December 31, 2008 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, 2008 is \$35,075,000; \$32,690,000 payable by the General Fund and \$2,385,000 payable by the Sewer Utility.

Sewer Revenue Bonds Fund

FINANCIAL SUMMARY

Bond Issue	2009 Revenue	2009 Expense
Sewer Revenue Bonds Accounts		
Operating Transfer from Sewer Assessment Account	\$ 317,780	\$ —
Operating Transfer from Sewer Revenue Bond Reserve Account	95,000	—
Principal	—	—
Interest & Amortization Expense	—	434,410
Use of Fund Balance	21,630	—
Subtotal	434,410	434,410
Limited Tax GO/Sewer Revenue Bond Accounts		
Operating Transfer from Sewer Assessment Account	434,550	—
Use of Fund Balance	—	—
Principal	—	325,000
Interest & Amortization Expense	—	109,550
Subtotal	434,550	434,550
Assessment Collection Account		
Assessments Principal Receivable	400,000	—
Interest & Penalties on Assessments	125,000	—
Investment Interest	61,000	—
Use of Fund Balance	166,330	—
Operating Transfer to Sewer Revenue Bond Account	—	317,780
Operating Transfer to LTGO Bond Account	—	434,550
Subtotal	752,330	752,330
Sewer Revenue Bond Reserve Account		
Investment Interest	50,800	—
Use of Fund Balance	44,200	—
Operating Transfer to Sewer Bond Account	—	95,000
Subtotal	95,000	95,000
Grand Total	\$ 1,716,290	\$ 1,716,290

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 2009 Sewer Utility Fund budget is 5.9% below the 2008 level due mostly to a reduced allocation for capital projects. The proposed budget reflects the following items of note.

- a) An allocation of \$9.4 million for capital improvements (transferred to the Sewer Utility Construction Fund);
- b) Two new positions (late in 2009), related to the Cascadia development;
- c) The use of \$6.3 million in fund balance to support this proposed budget; and
- d) A proposed sewer rate increase of 5.0% to cover annual inflation cost increases.

Performance Measures

- 1) The five year (2005-2009) average cost per million gallons treated will increase by 3% or less over the previous (2004-2008) five year average (excluding depreciation). (Goals B, D, E, F, G, H, I)

Sewer Utility Fund

FUNDING SOURCES

	2006	2007	2008	2009	Absolute	Percent
	Actual	Actual	Budget	Budget	Change	Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 10,497,090	\$ 6,295,700	\$ (4,201,390)	(40.0) %
Intergovernmental Revenue	15,684	(8,215)	—	—	—	—
Charges for Services	27,281,471	30,790,489	32,270,230	34,272,510	2,002,280	6.2
Miscellaneous Revenue	590,117	811,440	600,150	301,850	(298,300)	(49.7)
Contributed Capital	99,290	415,277	100,000	50,000	(50,000)	(50.0)
Other Financing Sources	(152,052)	(1,384,369)	—	—	—	—
Total	\$ 27,834,510	\$ 30,624,622	\$ 43,467,470	\$ 40,920,060	\$ (2,547,410)	(5.9) %

PROGRAM EXPENDITURES

	2008	2009	2008	2009	Absolute	Percent
	FTE	FTE	Budget	Budget	Change	Change
Collection System Maintenance	45.00	45.00	\$ 6,388,260	\$ 6,890,940	\$ 502,680	7.9 %
Wastewater Treatment O & M	41.05	43.43	9,837,670	10,295,820	458,150	4.7
Admin, Engineering, & Planning	57.34	49.31	12,842,780	11,996,650	(846,130)	(6.6)
Capital Improvement & Equip	—	—	14,398,760	9,788,020	(4,610,740)	(32.0)
Utility Public Development	1.00	8.35	—	1,948,630	1,948,630	∞
Total	144.39	146.09	\$ 43,467,470	\$ 40,920,060	\$ (2,547,410)	(5.9) %

Sewer Utility Fund

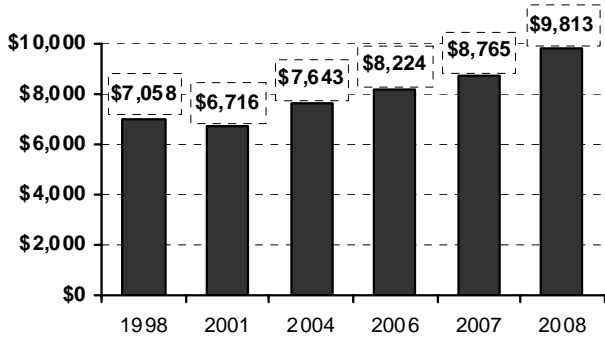
STAFFING SUMMARY						
	2004 FTE	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE
Dir - Public Works & Util	0.23	0.20	0.24	0.24	0.24	0.24
Special Projects Manager	—	—	—	—	0.56	0.50
Public Development Mgr	—	—	—	—	0.30	1.00
WW Utility Manager	1.00	1.00	1.00	0.90	0.90	0.90
WWTP Superintendent	1.00	1.00	1.00	1.00	1.00	1.00
Engineering Manager	—	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
Strategic Plng/Asset Manager	—	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
WW Asst Construction Proj Mgr	—	—	—	—	2.00	2.00
Fiscal Services Manager	—	0.40	0.40	0.40	0.40	0.40
Planner	1.00	1.85	2.90	2.90	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	1.00	2.00	1.00	1.00
Civil Engineer	10.00	11.00	12.00	12.00	15.00	15.00
WW Asst Coll System Manager	1.00	1.00	1.00	1.00	1.00	1.00
Maintenance & Ops Supv	—	—	—	—	1.00	1.00
Right of way Agent	—	—	—	—	0.24	0.24
WW Field Supervisor	—	—	—	—	5.00	5.00
WW Maint Spec Mech	5.00	5.00	5.00	5.00	18.00	18.00
Admin Program Manager	0.40	—	—	—	0.70	0.70
Public Works/Util Supv	—	—	—	—	1.00	1.00
WWTP Lab Analyst	1.00	1.00	1.00	1.00	1.00	1.00
Engineering Tech	11.00	12.00	14.00	16.00	17.00	17.00
WWTP Operator	10.00	12.00	12.00	11.00	11.00	13.00
Accounting Assistant	5.75	5.80	5.80	7.10	6.40	6.77
Communications Coordinator	—	—	—	—	1.00	1.00
Supervisory Admin Asst	0.55	0.62	0.62	0.62	0.62	0.44
WW Maint Tech	24.00	25.00	28.00	31.00	20.00	20.00
Administrative Asst	0.55	0.55	0.55	1.55	1.00	1.00
WW Maint Spec Elec	2.00	2.00	3.00	3.00	3.00	3.00
WW Maint Spec Inst	4.00	4.00	4.00	4.00	4.00	4.00
Office Assistant	8.00	8.00	9.00	8.90	8.90	8.66
WW Inventory Expeditor	1.00	1.00	1.00	1.00	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
WWTP Utility Worker	4.00	4.00	4.00	4.00	4.00	4.00
Contracts Coordinator	—	—	—	—	0.55	—
Records Specialist	—	0.34	0.34	0.34	0.34	—
WW Coll Maint Tech Lead	3.00	3.00	3.00	4.00	—	—
Civil Engineer - In - Training	—	—	1.00	1.00	—	—
Public Works Supervisor	—	—	—	1.00	—	—
Administrative Svcs Manager	0.50	0.28	0.23	0.36	—	—
Special Asst to Dir of PW & U	0.90	0.44	0.65	0.30	—	—
Dept Info Tech Spec	0.17	0.47	0.17	—	—	—
WW Maint Worker	3.00	2.00	—	—	—	—
Deputy PW & Utilities Dir	0.21	—	—	—	—	—
Total	111.26	118.15	126.14	134.85	144.39	146.09

Sewer Utility Fund

WORKLOAD SERVICE DATA							
	Unit of Measure	2004 Actual	2005 Actual	2006 Actual	2007 Actual	2008 Estimate	2009 Estimate
Laboratory Analysis	Tests	29,822	28,313	32,711	26,150	25,000	25,000
Pretreatment Program	Reviews	1,588	1,544	1,660	1,534	1,500	1,500
Accidental Spill Prevention Program	Reviews	375	373	398	437	350	350
Residual Hauling/Acceptance	Wet tons	15,816	13,316	8,095	798	500	500
Fertilizer (Replaced Hauling/Accept)	Tons			704	1,952	2,146	2,165
Residual Dryness	Percentage	14.8	14.8	17.4	19.5	19.6	19.6
Avg Daily Wastewater Flow Rec	ADF/MGD	17.10	16.65	18.90	18.41	18.52	18.68
Preventative Maintenance	Orders	10,703	12,733	11,803	10,071	12,437	13,500
Pump Station Maintenance Visits	Visits	5,424	4,471	4,826	5,112	5,100	5,150
Auxiliary Power System Maint	Visits	1,593	1,263	1,052	1,108	1,050	1,100
Residential Grinder Pump	Visits	1,160	1,233	1,240	1,356	1,050	1,050
Sewer Line Cleaning	Linear Ft	1,015,197	1,042,525	1,029,600	1,133,834	1,000,000	1,000,000
Sewer Utilities Locates	Visits	12,797	15,688	13,815	12,590	11,000	11,000
Smoke Testing	Linear Ft	369,359	313,986	355,492	505,657	350,000	350,000
Sewer Manhole	Repairs	1,428	875	701	925	800	800
Inflow & Infiltration	Repairs	261	316	330	259	300	300
Television Inspection	Linear Ft	292,180	478,223	347,299	283,547	350,000	350,000
Emergency Pump Station Calls	Incidents	43	76	73	88	100	100
Sewer Line Blockages	Incidents	4	—	7	6	10	10
Active Billing Accounts	Accounts	48,577	51,341	53,618	55,637	57,662	59,800
Permits, Reviews & Inspections	Cases	6,840	6,337	5,771	5,503	4,200	5,500
Collector Pipe	Miles	593	623	628	641	651	661

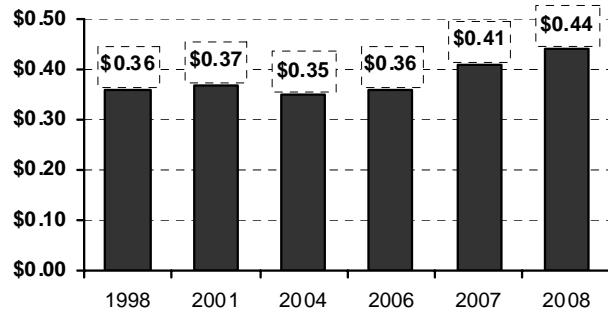
BUDGET RATIOS

Maintenance Cost per Mile of Pipe



❖ From 1998 to 2008 the maintenance cost per mile of collection pipe increased 39% after adjusting for inflation. The ten year average is \$7,835.

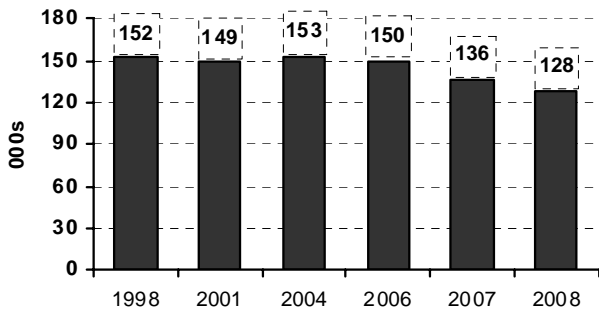
Treatment Cost per Daily Gallon



❖ From 1998 to 2008 the treatment cost per daily gallon of wastewater increased 23% after adjusting for inflation. The ten year average is \$0.35.

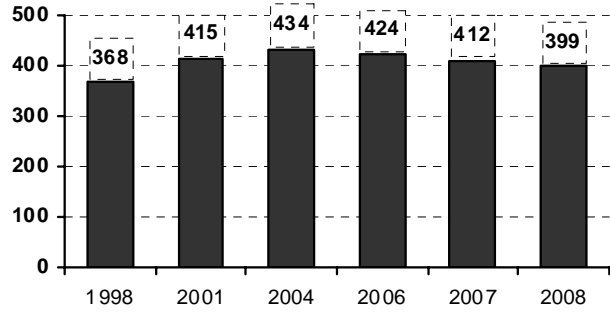
Wastewater Treated per Employee

Gallons in Thousands



❖ From 1998 to 2008 the number of gallons of wastewater treated daily per Sewer Utility employee decreased 16%. The ten year average is 147.

Customer Accounts per Employee



❖ From 1998 to 2008 the number of active customer accounts per Sewer Utility employee increased 9%. 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:

Canyon Road Sanitary Sewer Improvements - Installation of approximately 4,060 LF of eight inch collector pipeline. This project provides sanitary sewers in conjunction with the Transportation Division's CRP 5433 project. The project provides service to the properties along Canyon not directly served under the Canyon Road Interceptor project between 116th St and 144th St.

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

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

Miscellaneous Septic Extensions - 60 isolated septic system failures have been documented by the Tacoma-Pierce County Health Department over a five year period from 2002-2006. These failures are located within the Pierce County Sewer Service Area and County Urban Growth Area. Connection to the sewer system would bring relief to those properties that cannot support a new on-site septic system.

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

North Dock Reconstruction - This project consists of the design, permitting and reconstruction of the North Dock at the Chambers Creek Properties site. The existing North Dock will be renovated into a public access pier in accordance with the Master Site Plan. This project includes the design, permitting and reconstruction of a new railroad overpass at the Chambers Creek Properties site. The existing North Dock will include a pedestrian underpass of BNSF railroad and related safety improvements.

Oakbrook Side Sewer Repairs - Relining of the concrete sewer line and laterals to provide the same level of service these Oakbrook neighborhood customers would have realized prior to the connection of the 65 unit low pressure system.

Open Process Programming SCADA - Replacement of the current system with a more reliable and easier to maintain ladder logic program capability will save on consultant costs and costly downtime in the event of a system crash. Re-programming of the SCADA system will range between six - ten months and, when complete, provide a greatly improved software package for management of the system.

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

Sewer and Traffic Operations Facility - The Sewer Utility has been presented with unique opportunity that will potentially save the rate payers seven million dollars over the next 20 years in addition to increasing the level of service by reducing response times. This can be accomplished by reassigning the funds required for building additional maintenance and operations facilities to support the treatment plant expansion to building a new wastewater collection maintenance facility located within the center of our service area. In addition, there may be certain cost savings that can be realized by exploring an opportunity of considering a “Combined Maintenance Facility” concept between the Sewer Utility and Traffic Operations.

Sound Transit Sewer Line Crossing - Right of Way permits obtained from BNSF identify that the Sewer Utility is obligated to bear all costs of maintenance, construction, and reconstruction as required by BNSF, subsequently by Sound Transit.

Tunnel Rehabilitation - This is a maintenance, operation and preservation project to protect the existing unlined Chambers Creek Tunnel which has experienced hydrogen sulfide corrosion. The initial project includes the lining of approximately 4,200 feet of the tunnel and bypass pumping of the existing flows. Additional projects include lining of the remaining 1,100+ feet of the tunnel.

Waste Activate Sludge Pump Replacement - Three pumps can no longer efficiently handle the demands of the overall wastewater system delivery of by-products of the biologic process tanks to the digesters for further reduction and disposal prior to discharge to the fertilizer manufacturing facility. Project will also include minor piping reconfiguration.

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

WWTP Multistate Centrifugal Blowers - The purpose of this project is to replace two of the three existing 500 hp blowers which have been in operation for 17 years. The manufacturer of our blowers has since gone out of business. Thus, getting replacement parts is difficult, if not impossible, to obtain. The cost of refurbishment is over half the replacement cost.

WWTP Perimeter Site Development - Improvements to the grounds and access points at the Treatment Plant in preparation for various expansion efforts.

WWTP Plant Expansion, Emergency Generator - New 2.5 megawatt generator to be fed from the Sunset feed to complement the existing 1.25 MW unit feed from the McNeil feed.

WWTP Site Grading - In order to avoid excessive energy costs associated with pumping, certain biologic process expansions need to be constructed at a level grade to the existing plant.

WWTP Utilidor Development Phase 1 - A new utility tunnel will be created in the new fill area. The tunnel system will allow for safe and easy access to equipment galleries, pipe runs, site utilities, and tank maintenance.

Performance Measures

- | | |
|---|---|
| <p>1) Design and advertise at least 90% of the number of projects planned to be advertised in the annual element of the Sewer Improvement Program. (Goals B, D, E, G, H, I)</p> | <p>2) At least 95% of 1st reviews will be completed within 15 working days after application submittal and at least 95% of subsequent reviews will be accomplished within ten working days. (Goals B, D, E, F, G, H, I)</p> |
|---|---|

PROJECT SUMMARY

Capital Reserve Fund # 403	2009
Project Name	Budget
Canyon Road Improvements (116th to 144th St)	\$ 312,000
Chambers Creek WWTP Headworks Modifications	218,400
Miscellaneous Sewer Line Extensions	379,600
Oakbrook Side Sewer Repairs	5,200
WWTP Perimeter Site Development	2,750,300
WWTP Plant Expansion - Emergency Generator	597,600
WWTP Site Grading	3,458,000
WWTP Utilidor Development Phase 1	2,478,400
SubTotal - Contributions to Construction Fund #425	10,199,500
Advance to Water Utility	50,000
Geographical Information System Support	99,240
Total	\$ 10,348,740

Sewer Utility Construction/Reserve Fund

PROJECT SUMMARY

Sewer Utility Construction Fund #425

Funding Sources

Project Name	Total Project Cost	2009 Expenditure	Federal & State Grants	Funding Sources	
				Fund 402 Sewer Utility Fund	Fund 403 Facilities Capital Reserve
Canyon Road Improvements (116th to 144th St)	\$ 775,700	\$ 312,000	\$ —	\$ —	\$ 312,000
Chambers Creek WWTP Headworks Modifications	12,351,929	312,000	—	93,600	218,400
Lakewood Generator Replacement Project	1,685,900	383,800	—	383,800	—
Miscellaneous Septic Connections	1,500,000	250,000	—	250,000	—
Miscellaneous Sewer Line Extensions	3,006,600	379,600	—	—	379,600
North Dock Pedestrian Overpass	8,350,000	2,930,000	2,380,000	550,000	—
North Dock Rehabilitation	58,000	58,000	—	58,000	—
Oakbrook Side Sewer Repairs	235,000	5,200	—	—	5,200
Open Process Programming SCADA	1,100,000	520,000	—	520,000	—
Revised Burlington Northern Santa Fe Access	2,280,000	341,600	—	341,600	—
Sewer and Traffic Operations Facility	9,687,000	1,040,000	—	1,040,000	—
Sound Transit Sewer Line Crossing	613,600	613,600	—	613,600	—
Tunnel Rehabilitation Project	15,641,800	4,888,000	—	4,888,000	—
Waste Activate Sludge Pump Replacement	105,200	105,200	—	105,200	—
WWTP Heating Hot Water System Upgrade	1,322,400	400,000	—	400,000	—
WWTP Multistate Centrifugal Blowers	182,000	182,000	—	182,000	—
WWTP Perimeter Site Development	4,657,200	5,750,300	—	—	2,750,300
WWTP Plant Expansion - Emergency Generator	1,218,860	597,600	—	—	597,600
WWTP Site Grading	7,054,300	3,458,000	—	—	3,458,000
WWTP Utilidor Development Phase 1	26,718,190	2,478,400	—	—	2,478,400
Total	\$ 98,543,679	\$ 25,005,300	\$ 2,380,000	\$ 9,425,800	\$ 10,199,500

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 2009 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; and
- f) Key Center fencing and Purdy Transfer Station site improvements.

Performance Measures

- 1) The average waste recycling pounds per household will increase from the 2006 goal of 39lbs to 50lbs in 2009. (Goals B, D, E, G, H, I)

FUNDING SOURCES						
	2006 Actual	2007 Actual	2008 Budget	2009 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 1,208,110	\$ 1,986,560	\$ 778,450	64.4 %
Intergovernmental Revenue	723,557	340,086	462,000	662,010	200,010	43.3
Charges for Services	3,430,031	3,791,284	3,700,000	3,200,010	(499,990)	(13.5)
Miscellaneous Revenue	713,169	841,777	586,200	537,600	(48,600)	(8.3)
Other Financing Sources	167,520	170,820	180,600	156,000	(24,600)	(13.6)
Total	\$ 5,034,277	\$ 5,143,967	\$ 6,136,910	\$ 6,542,180	\$ 405,270	6.6 %

Solid Waste Management Fund

PROGRAM EXPENDITURES

	2008 FTE	2009 FTE	2008 Budget	2009 Budget	Absolute Change	Percent Change
Administration and Planning	6.70	7.99	\$ 2,937,510	\$ 2,665,100	\$ (272,410)	(9.3) %
Recycling and Debris Cleanup	5.44	4.54	1,378,970	1,552,150	173,180	12.2
Public Information & Education	6.54	6.19	875,880	1,080,430	204,550	23.4
Capital Improvements	—	—	420,550	724,500	303,950	72.3
Self Insurance	—	—	50,000	50,000	—	—
Landfill Post Closure	—	—	474,000	470,000	(4,000)	(0.8)
Total	18.68	18.72	\$ 6,136,910	\$ 6,542,180	\$ 405,270	6.6 %

STAFFING SUMMARY

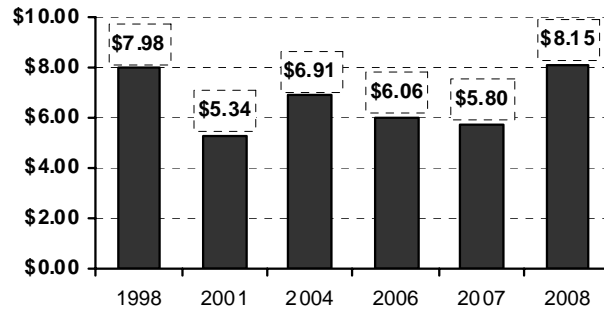
	2004 FTE	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE
Dir - Public Works & Util	0.03	0.10	0.08	0.08	0.08	0.08
Solid Waste Administrator	1.00	1.00	1.00	1.00	1.00	1.00
Deputy PW & Utilities Dir	0.05	0.10	0.08	0.08	0.08	0.08
Code Enforcement Supv	—	1.00	1.00	1.00	1.00	1.00
Fiscal Services Mgr	—	0.15	0.15	0.15	0.15	0.15
Planner	1.00	1.00	1.00	1.00	1.00	1.00
Code Enforcement Officer	2.00	2.00	2.00	2.00	2.00	2.00
Solid Waste Project Coord	—	—	—	3.00	5.00	5.00
Environmental Educator	4.00	4.00	4.00	4.00	5.00	5.00
Accounting Assistant	0.55	0.46	0.46	0.20	0.20	0.20
Supervisory Admin Asst	0.25	0.20	0.20	0.20	0.20	0.21
Office Assistant	2.00	2.00	2.50	2.50	2.50	3.00
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	0.10	—	—
Administrative Svcs Mgr	0.15	0.05	0.05	0.04	—	—
Solid Waste Recyc Analyst	3.00	3.00	3.00	—	—	—
Dept Info Tech Spec	0.16	0.45	0.16	—	—	—
Special Asst to Dir PW&U	—	0.08	—	—	—	—
Admin Program Mgr	0.15	—	—	—	—	—
Total	14.44	16.02	16.11	15.68	18.68	18.72

WORKLOAD SERVICE DATA

	Unit of Measure	2004 Actual	2005 Actual	2006 Actual	2007 Actual	2008 Estimate	2009 Estimate
Solid Waste Operations							
Monitor Solid Waste Operations	Sites	7	7	7	7	7	7
Household Hazard Waste Cleanup	Participants	4,261	4,426	5,048	4,881	4,700	4,900
Education & Outreach							
Presentations & Workshops	Students	27,000	25,961	23,684	19,275	28,000	35,000
Fairs/Comm Events/Newsltr Recip	Attendees	407,900	410,000	600,000	610,000	811,000	815,000
Pierce County Responds							
Abating Small Illegal Dumpsites	Vouchers	425	521	428	475	425	400
Abating Nuisance Vehicles	Vehicles	1,830	1,959	1,419	1,341	1,150	1,100
Abating "Dirty Dozen" Sites	Sites	1	2	—	—	—	—

BUDGET RATIOS

Expenditures per Resident Served



- ❖ From 1998 to 2008 expenditures per resident served, excluding closure expenses increased 3% after adjusting for inflation. The ten year average is \$6.57.

Solid Waste Management Fund

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 2009 Surface Water Management Fund budget total is 19.2% below 2008. The budget includes an inflationary rate increase for on-going operations. However, revenue shortfalls necessitate staffing reductions. The budget does not include either a rate increase or any new staffing for NPDES activities. The budget does include several capital projects, but very little in the way of flood land purchases.

In order to balance this budget we will be using approximately \$4.6 million in prior fund balance.

Performance Measures

- 1) Design and advertise at least 90% of the number of projects planned to be advertised in the annual element of the Surface Water Management Improvement Program. (Goals B, D, E, E, G, H, I)

FUNDING SOURCES						
	2006 Actual	2007 Actual	2008 Budget	2009 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 10,386,620	\$ 4,601,220	\$ (5,785,400)	(55.7) %
Taxes	—	400	—	—	—	—
Intergovernmental Revenue	3,417,026	(498,944)	3,026,830	2,149,470	(877,360)	(29.0)
Charges for Services	13,559,103	13,636,989	13,838,490	15,591,100	1,752,610	12.7
Miscellaneous Revenue	1,229,777	813,170	600,000	150,000	(450,000)	(75.0)
Total	\$ 18,205,906	\$ 13,951,615	\$ 27,851,940	\$ 22,491,790	\$ (5,360,150)	(19.2) %

Surface Water Management Fund

PROGRAM EXPENDITURES

	2008	2009	2008	2009	Absolute	Percent
	FTE	FTE	Budget	Budget	Change	Change
Drainage Ops & Maint/Admin	36.83	34.05	\$ 9,447,710	\$ 8,500,070	\$ (947,640)	(10.0) %
Water Quality/NPDES	13.36	11.73	3,600,780	2,978,060	(622,720)	(17.3)
Capital Improvement Program	12.68	11.67	11,261,670	7,066,620	(4,195,050)	(37.3)
Quarry Operations	2.05	2.05	712,900	630,790	(82,110)	(11.5)
River Imp - Operations & Maint	3.55	3.52	1,602,830	1,425,420	(177,410)	(11.1)
River Improvement	5.03	4.68	1,226,050	1,890,830	664,780	54.2
Total	73.50	67.70	\$ 27,851,940	\$ 22,491,790	\$ (5,360,150)	(19.2) %

PROJECT SUMMARY

Drainage Basin	Project Name	Project #	Total Est Project Cost	2009 Budget
Clear/Clarks Creek	Canyon Creek Bypass	D138	\$ 3,526,900	\$ 1,470,000
Clear/Clarks Creek	Clark Creek Initiative	D197	3,047,200	100,000
Clear/Clarks Creek	Hemlock Pumpstation Alternative Outfall	D339	3,612,200	130,000
Clear/Clarks Creek	Rody Creek Stream Restoration	D191	1,163,900	200,000
Clear/Clarks Creek	Springfield Potholes	D136	1,183,000	25,000
Clear/Clarks Creek	Woodland Creek 2nd Detention Pond	D411	4,216,100	100,000
Clear/Clarks Creek	128th Street East & Meridian Infiltration Facility	D338	2,278,700	80,000
Gig Harbor	Crescent Creek Restoration	D213	150,000	25,000
Gig Harbor	Warren Creek Culvert Replacement	D193	928,200	50,000
Mid-Puyallup River	Fir Ridge Infiltration Pond	D614	380,100	15,000
Mid-Puyallup River	Lower Puyallup River Silt Bench Stabilization	1360	750,000	600,000
Muck Creek	Lower Lacamas Riparian Restoration	D341	92,500	50,000
South Prarie	Silver Springs	D211	350,000	350,000
Steilacoom/Clover Creek	Clover Creek Habitat Floodplain Restoration	D183	5,731,300	925,000
Steilacoom/Clover Creek	Clover Creek Restoration - Reach MS5	D214	1,245,000	50,000
Steilacoom/Clover Creek	Frederickson / 192nd Street	D165	408,200	400,000
Steilacoom/Clover Creek	Morey Creek Fish Passage	D618	425,000	400,000
Steilacoom/Clover Creek	Natches Trail Preserve	D206	853,300	500,000
Steilacoom/Clover Creek	Outfall Retrofits	D216	410,000	80,000
Steilacoom/Clover Creek	Sprinker Recreation Parking Lot Retrofit	D195	1,214,600	100,000
Steilacoom/Clover Creek	224th & Meridian Infiltration Pond	D186	312,400	25,000
Subtotal			32,278,600	5,675,000
All	General Capital Improvement Project Support	D100	—	1,391,620
Total CIP			\$ 32,278,600	\$ 7,066,620

Surface Water Management Fund

STAFFING SUMMARY						
	2004 FTE	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE
Dir - Public Works & Util	0.18	0.20	0.14	0.14	0.14	0.14
Water Programs Manager	0.70	0.95	0.95	0.95	0.95	0.95
Deputy PW & Utilities Dir	0.17	0.20	0.14	0.14	0.14	0.14
Planner	6.00	7.00	6.97	7.00	9.00	6.00
Water Program Maint Mgr	1.00	1.00	1.00	1.00	1.00	1.00
Water Quality Supervisor	—	—	—	1.00	1.00	1.00
Project Manager	—	—	—	—	2.00	2.00
Civil Engineer	10.71	10.85	13.25	13.10	14.10	13.10
Fiscal Services Mgr	—	0.40	0.45	0.45	0.45	0.45
Public Works/Util Prj Crd	—	—	—	—	1.00	1.00
Right of Way Agent	0.35	0.61	0.61	0.61	0.61	0.61
Heavy Equipment Operator	4.00	4.00	4.00	4.00	4.00	4.00
Accountant	—	—	—	—	—	0.42
Maintenance Technician	6.00	6.00	6.00	6.00	7.00	7.00
Civil Engineer-in-Trng	—	—	1.00	1.00	1.00	1.00
GIS Specialist	0.92	0.93	0.93	0.94	0.94	0.94
Admin Program Mgr	0.40	—	—	—	0.30	0.30
Public Works/Util Supv	—	—	—	—	1.00	1.00
Engineering Technician	9.00	10.00	11.00	13.00	15.00	14.00
Equipment Operator	—	—	—	—	1.00	1.00
Accounting Assistant	2.40	2.44	2.49	2.45	2.15	1.99
Environmental Biologist	2.00	2.00	2.90	2.90	2.90	2.90
Records Specialist	—	0.33	0.33	0.33	0.33	1.00
Maintenance Office Mgr	1.00	1.00	1.00	1.00	1.00	1.00
Office Assistant	2.26	2.26	2.26	2.26	4.76	3.76
Administrative Aide	1.00	1.00	1.00	1.00	1.00	1.00
Contracts Coordinator	—	—	—	—	0.35	—
Dept Support Services Mgr	—	—	—	—	0.20	—
Supervisory Admin Asst	0.15	0.15	0.18	0.18	0.18	—
Public Works Supervisor	1.00	1.00	1.00	1.00	—	—
Public Works Proj Coor	—	1.00	1.00	1.00	—	—
Administrative Assistant	0.35	0.35	0.35	0.35	—	—
Administrative Svcs Mgr	0.30	0.14	0.17	0.20	—	—
Water Quality Specialist	1.00	1.00	1.00	—	—	—
Dept Info Tech Spec	0.17	0.46	0.17	—	—	—
Environmental Educator	1.00	—	—	—	—	—
Total	52.06	55.27	60.29	62.00	73.50	67.70

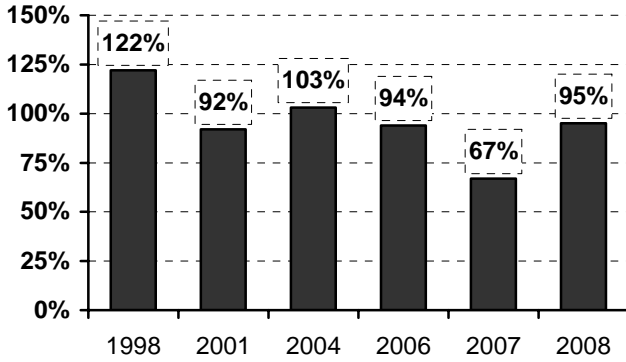
Surface Water Management Fund

WORKLOAD SERVICE DATA							
	Unit of Measure	2004 Actual	2005 Actual	2006 Actual	2007 Actual	2008 Estimate	2009 Estimate
Inquiries/Responses	Contacts	250	250	296	345	300	300
Drainage Plan Reviews	Plans	70	80	80	504	660	660
Constructed CIP Projects	Each	4	4	5	7	3	7
NPDES Compliance	Hours	9,746	11,472	9,955	13,255	15,660	23,980
Access Roads Maintained	Miles	16	16	23	15	15	15
Vegetation Control	Hours	1,000	1,000	1,000	1,000	1,000	1,000
Dike Repair Materials	Tons	4,800	5,000	60,000	75,157	5,000	5,000
Retention/Detention Pond Maint	Sites	110	110	212	266	200	200
CIP Expenditures	Dollars	7,273,700	7,790,700	7,600,285	10,227,347	8,300,000	8,400,000
Small Works Projects	Each	6	5	14	6	5	5
Proj w/on-Time Environ Approvals	Projects	5	5	6	8	4	8
Non-Point Watershed Plans	Actions	55	50	52	50	52	50
Projects Funded by SRFB	Percent	33	100	33	100	50	50
Basin Plans/Characterization Reports	Issued	4	4	2	2	2	3
County Owned Stormwater Ponds	Ponds	252	281	335	379	450	470

BUDGET RATIOS

SWM Extent of Self Support

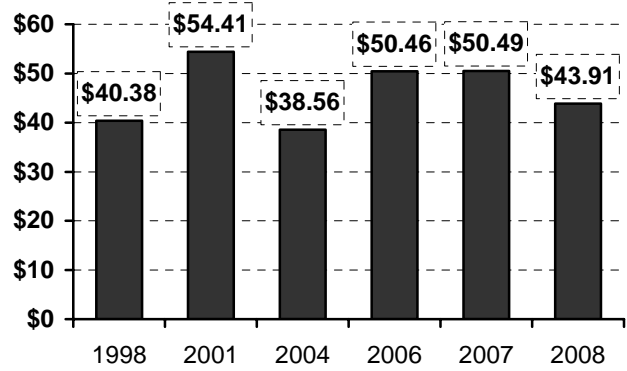
Operating Revenues / Operating Expenditures



❖ From 1998 to 2008 SWM extent of self support decreased 22%. There were large capital improvement projects in 2006 and 2007. The ten year average is 105%.

SWM Operating Expenditures

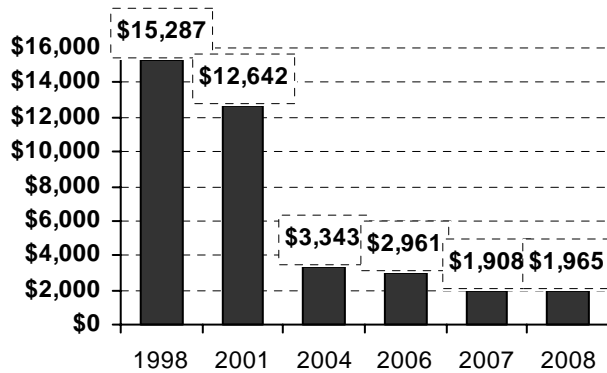
Per County Resident Served



❖ From 1998 to 2008 SWM operating expenditures per resident served (excluding River Improvement costs) increased 9% after adjusting for inflation. The ten year average is \$43.75.

SWM Maintenance and Operations Expenditures

Per County Owned Stormwater Pond



❖ From 1998 to 2008 the maintenance and operations expenditure per County owned stormwater pond decreased 87% after adjusting for inflation. The ten year average is \$7,060.

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 2009 budget will be transferred to the Roads Construction fund for designated projects (\$6,574,000). The budget also provides monies for staff and consulting services for necessary system and administration activities. This fund will utilize \$2.7 million in prior fund balance to support the budgeted transfers in addition to the anticipated 2009 Traffic Impact fee revenues.

FUNDING SOURCES

	2006 Actual	2007 Actual	2008 Budget	2009 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ —	\$ 2,690,030	\$ 2,690,030	∞ %
Charges for Services	—	5,938,326	6,000,000	4,000,000	(2,000,000)	(33.3)
Miscellaneous Revenue	—	109,363	—	100,000	100,000	∞
Total	\$ —	\$ 6,047,689	\$ 6,000,000	\$ 6,790,030	\$ 790,030	13.2 %

EXPENDITURES

	2006 Actual	2007 Actual	2008 Budget	2009 Budget	Absolute Change	Percent Change
Salaries & Wages	\$ —	\$ —	\$ 106,060	\$ 93,990	\$ (12,070)	(11.4) %
Personnel Benefits	—	—	33,780	31,090	(2,690)	(8.0)
Supplies	—	20,246	—	—	—	—
Other Services & Charges	—	13,062	5,860,160	6,664,950	804,790	13.7
Total	\$ —	\$ 33,308	\$ 6,000,000	\$ 6,790,030	\$ 790,030	13.2 %

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 2009 budget reflects the following:

- a) Design work for a new West County Maintenance Facility \$744,000
 - b) West County Maintenance Facility construction activity in fiscal 2009 1,904,880
- \$2,648,880

The funding source is Land/Asset sales (probably completed in 2008).

FUNDING SOURCES						
	2006 Actual	2007 Actual	2008 Budget	2009 Budget	Absolute Change	Percent Change
Est Use of Begin Fund Balance	\$ —	\$ —	\$ 2,080,120	\$ 2,648,880	\$ 568,760	27.3 %
Miscellaneous Revenue	294,303	667,005	—	—	—	—
Other Financing Sources	28,331,990	1,512,031	7,272,640	—	(7,272,640)	(100.0)
Total	\$ 28,626,293	\$ 2,179,036	\$ 9,352,760	\$ 2,648,880	\$ (6,703,880)	(71.7) %

PROGRAM EXPENDITURES						
	2008 FTE	2009 FTE	2008 Budget	2009 Budget	Absolute Change	Percent Change
West County Maint Facility	—	—	\$ 1,000,000	\$ 2,648,880	\$ 1,648,880	164.9 %
Central Maintenance Fac	1.00	—	3,102,760	—	(3,102,760)	(100.0)
East CMF(Rhodes Lake)	—	—	3,800,000	—	(3,800,000)	(100.0)
Transportation Services Bldg	—	—	1,450,000	—	(1,450,000)	(100.0)
Total	1.00	—	\$ 9,352,760	\$ 2,648,880	\$ (6,703,880)	(71.7) %

STAFFING SUMMARY						
	2004 FTE	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 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 2009 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 2009 budget are:

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

The funding for this budget is provided by a loan from the Sewer Utility Capital Reserve Fund, new water review fees, and water sales revenues.

FUNDING SOURCES

	2006 Actual	2007 Actual	2008 Budget	2009 Budget	Absolute Change	Percent Change
Intergovernmental Revenue	\$ —	\$ —	\$ —	\$ 155,750	\$ 155,750	∞ %
Other Financing Sources	—	—	188,940	144,900	(44,040)	(23.3)
Total	\$ —	\$ —	\$ 188,940	\$ 300,650	\$ 111,710	59.1 %

EXPENDITURES

	2006 Actual	2007 Actual	2008 Budget	2009 Budget	Absolute Change	Percent Change
Salaries & Wages	\$ 7,322	\$ 4,142	\$ 11,550	\$ 97,630	\$ 86,080	745.3 %
Personnel Benefits	(520)	3,761	2,950	30,680	27,730	940.0
Other Services & Charges	8,286	15,539	126,720	126,470	(250)	(0.2)
Capital Outlays	245,719	—	—	—	—	—
Interest	33,430	31,160	47,720	45,870	(1,850)	(3.9)
Total	\$ 294,237	\$ 54,602	\$ 188,940	\$ 300,650	\$ 111,710	59.1 %

Water Utility Fund

STAFFING SUMMARY						
	2004 FTE	2005 FTE	2006 FTE	2007 FTE	2008 FTE	2009 FTE
WW Utility Manager	—	—	—	0.10	0.10	0.10
Project Manager	—	—	—	—	—	1.00
GIS Specialist	0.01	0.01	0.01	—	—	—
Special Asst to Dir PW&U	0.10	0.08	—	—	—	—
Water Programs Manager	0.20	—	—	—	—	—
Total	0.31	0.09	0.01	0.10	0.10	1.10