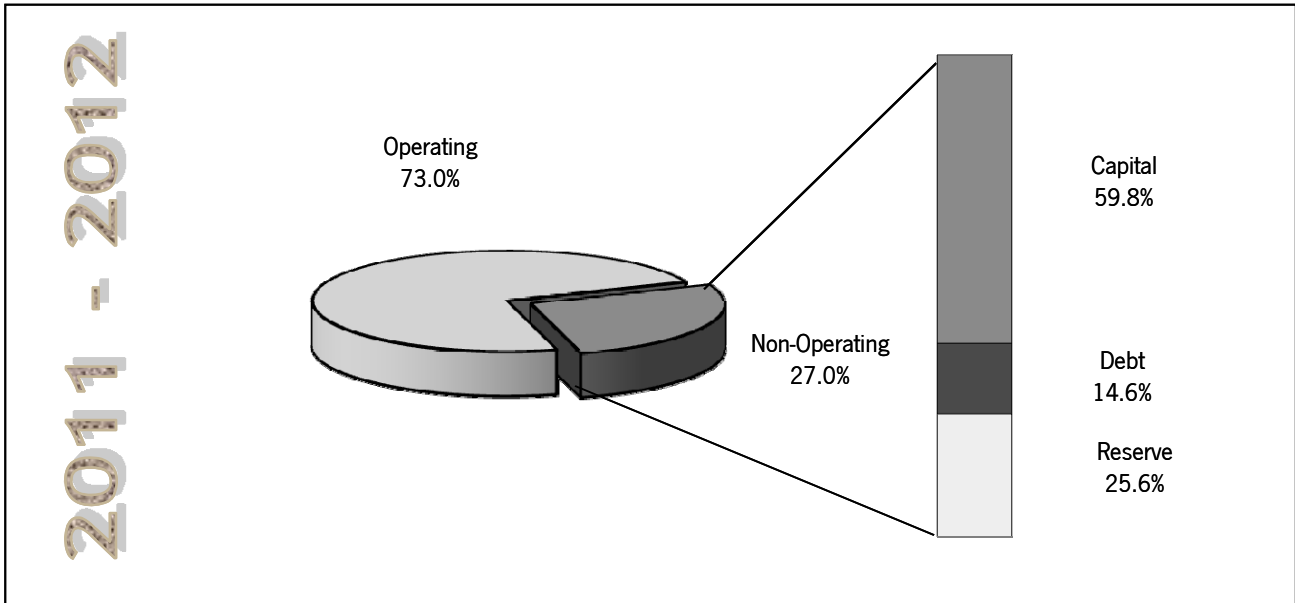


**CITY OF KIRKLAND
 WATER/SEWER UTILITY
 2011-2012 BUDGET OVERVIEW: BY FUND TYPE/FUND**



The Water/Sewer Utility operating budget accounts for the purchase of water from the Cascade Water Alliance and sewage treatment services from METRO/King County as well as all maintenance and administrative costs. The non-operating budget accounts for principal and interest payments on utility debt, capital projects, and reserves.

Analysis of Change

Fund	2009-10 Budget	2011-12 Budget	Percent Change
Operating Fund			
411 Water/Sewer Operating	46,202,650	45,401,516	-1.73%
Total Operating Fund	46,202,650	45,401,516	-1.73%
Non-Operating Funds			
412 Water/Sewer Debt Service	3,505,639	2,962,187	-15.50%
413 Utility Capital Projects	18,399,331	13,870,848	-24.61%
Total Non-Operating Funds	21,904,970	16,833,035	-23.15%
Total Water/Sewer Utility Funds	68,107,620	62,234,551	-8.62%

CITY OF KIRKLAND
CHANGE IN FUND BALANCE (Beginning 2009 to Ending 2012)
WATER/SEWER UTILITY FUNDS

	Water/Sewer Operating	Non-Operating		Total
		Water/Sewer Debt Service ¹	Utility Capital Projects ²	
2009 Actual Beginning Fund Balance	5,735,374	822,275	9,158,419	15,716,068
<i>Reserved</i>	<i>2,109,439</i>	<i>822,275</i>	<i>7,949,556</i>	<i>10,881,270</i>
<i>Unreserved Working Capital</i>	<i>3,625,935</i>	-	<i>1,208,863</i>	<i>4,834,798</i>
Plus: 2009-10 Estimated Revenues	37,524,987	2,683,366	8,243,950	48,452,303
Less: 2009-10 Estimated Expenditures	37,191,964	2,683,367	11,713,537	51,588,868
2009-10 Estimated Ending Fund Balance	6,068,397	822,274	5,688,832	12,579,503
Less: Funding for Carryovers to 2011	1,076,041	-	1,803,439	2,879,480
2011 Budgeted Beginning Fund Balance	4,992,356	822,274	3,885,393	9,700,023
Plus: 2011-12 Budgeted Revenues	40,409,160	2,139,913	8,182,016	50,731,089
Less: 2011-12 Budgeted Expenditures	40,629,131	2,453,470	6,113,139	49,195,740
2012 Budgeted Ending Fund Balance	4,772,385	508,717	7,757,709	13,038,811
<i>Reserved</i>	<i>1,979,380</i>	<i>508,717</i>	<i>7,757,709</i>	<i>10,245,806</i>
<i>Unreserved Working Capital</i>	<i>2,793,005</i>	-	-	<i>2,793,005</i>
Change in Fund Balance: Beginning 2009 to Ending 2012	(962,989)	(313,558)	(1,400,710)	(2,677,257)

Notes:

¹ The reduction in fund balance of the Debt Service Fund is due to the planned use of cash balance for partial payment of a bond issue that ends at the end of 2012.

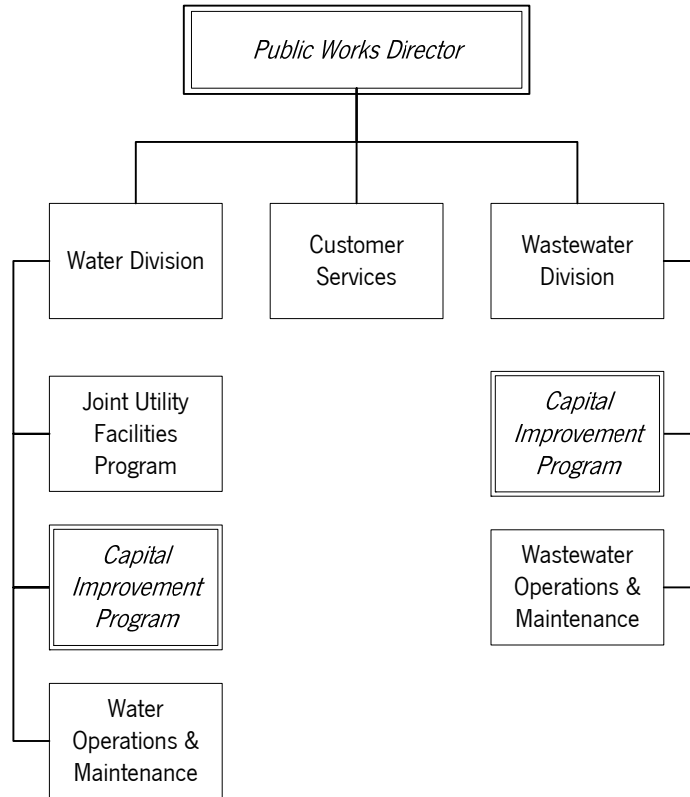
² The reduction in fund balance of the Utility Capital Projects Fund is due to the completion of capital projects that were funded but not constructed in the prior year. The water/sewer construction reserve within the Utility Capital Projects Fund accumulates resources for future projects.

OPERATING



CITY OF KIRKLAND Public Works Department

Water/Sewer Fund



Boxes with a double outline and italic text indicate positions which report to this department but which are budgeted in a separate operating fund.

DEPARTMENT OVERVIEW

WATER/SEWER OPERATING FUND

MISSION

The Water and Wastewater Divisions, two separate divisions in the operating fund, are responsible for the maintenance, operation, and minor construction of water and sewer system appurtenances, including water and sewer services, mains, and related infrastructure.

DEPARTMENT FUNCTIONS

The **Water Division** oversees 170 miles of water mains, 32 pressure-reducing stations (PRVs), three water supply/pump stations, two water reservoirs, and 1,750 fire hydrants. The **Wastewater Division** operates, maintains, and repairs 120 miles of sewer mains, 3,156 manholes, and six sewer lift stations. The sewer system serves approximately 9,900 accounts and the water system serves approximately 12,000 accounts.

The Administration group includes all full-time, regular employee benefits, interfund charges and transfers for debt, and taxes paid to other jurisdictions.

The Capital Construction group provides for construction of all new services such as installation of new single-family water connections, manhole construction, and water valve construction that are not included in the Capital Improvement Program.

The Customer Service group conducts review of development proposals and ensures City compliance with State and Federal waste water regulations.

The Utility Joint Facilities group includes the maintenance of all water facilities that were acquired as a result of the assumption of the Rose Hill Water District. Maintenance costs associated with jointly-owned facilities are charged to the Cities of Redmond and Bellevue, based on their ownership percentage.

2009-2010 ACCOMPLISHMENTS – WATER DIVISION

- Provided water service and maintenance transition from Redmond to Kirkland in the newly annexed Bridle View annexation area.
- Replaced 6 substandard fire hydrants in conjunction with the annual street overlay program.
- Completed the semi-annual fire hydrant exercise program (2009).
- Prepared, cleaned, and painted 540 fire hydrants.
- Completed \$3.7 million worth of seismic upgrades and repainting of the North Reservoir in coordination with Capital Projects Division.
- Completed flow testing of various fire hydrants throughout the City to allow field calibration with the City's Fire Flow Model.
- Replaced or repaired 140 water services in conjunction with the annual street overlay program.
- Completed the semi-annual water main valve exercise program (2010).
- Replaced approximately 800 individual meters through the annual water meter replacement program.
- Installed 410 feet of new water main including hydrant and blow off in Slater Ave NE and NE 92nd to provide improved water service for current and future customers.
- Completed upgrades to the S-2 Supply Station including new telemetry, new lighting, and a new valving configuration.
- Completed telemetry upgrades for Supply Stations S-1, S-2, S-3, and to the North Reservoir Pump Station increasing the remote communication and alarm system reliability.

- Rebuilt the critical 650 Zone Pressure Reducing Station (PRV) as part of the annual PRV maintenance program.
- Completed demolition of former Rose Hill Water District Administration Building.

2009-2010 ACCOMPLISHMENTS – WASTEWATER DIVISION

- Provided 207 hours of training to field staff to maintain required certifications in 2009.
- Rehabilitated and extended the life of wastewater structures for 2009 and 2010 street overlays and performed structural maintenance to the roof of Plaza Lift Station.
- Hosted and chaired American Public Works Association (APWA) Wastewater Committee quarterly meetings and created new APWA Statewide PREFOG (pre-treatment technicians for fats, oils and grease) Committee in 2010. Increased membership from eleven to over 80 regular participants.
- Wastewater Manager coordinated feature article in APWA WA State Magazine with Environmental Biotech Canada Inc. on the use of bacteria in wastewater collection and conveyance systems.
- Maintained Decant permit to decant system cleaning waste into sewer system for treatment with King County approval.
- Initiated efforts to develop a regional co-op decant facility that recycles 90% of the decant materials with Northshore Utility, Redmond, King County, Northshore School District, Lake Washington School District, and others.
- Performed 209 restaurant inspections in 2009 for the Fat, Oils, and Grease program.
- Replaced video inspection camera in 2009 to maintain inspection system.
- Wastewater staff invited to present Kirkland's use of technology in the field for maintenance and operations at the Washington Wastewater Collection Personnel Association (WWCPA) Annual Sewer School in Port Angeles in 2010.
- Worked with Capital Projects Division to upgrade telemetry system to four lift stations (Yarrow Point, South Bay, Plaza and Trend) in 2010 in order to increase remote communication and alarm system reliability.
- Assisted upgrade to electrical connection at Plaza Lift Station in order to support community special events near the facility.
- Performed cleaning of 175,813 lineal feet (approximately 33 miles, 28% of the system) of sewer pipe and cleaned and removed grease from 30,406 lineal feet of pipe and removed roots from 1,621 lineal feet in 2009.
- Rehabilitated 43 sewer manholes in 2009.
- Raised 27 and cleaned 22 sewer manholes in 2009.
- Repaired 185 lineal feet of sewer main.
- Performed video inspection of 75,819 lineal feet of sewer line in 2009.
- Inspected 1,441 manholes in 2009.
- Repaired 26 manholes for Inflow and Infiltration 2009.

2011-2012 OBJECTIVES – WATER DIVISION

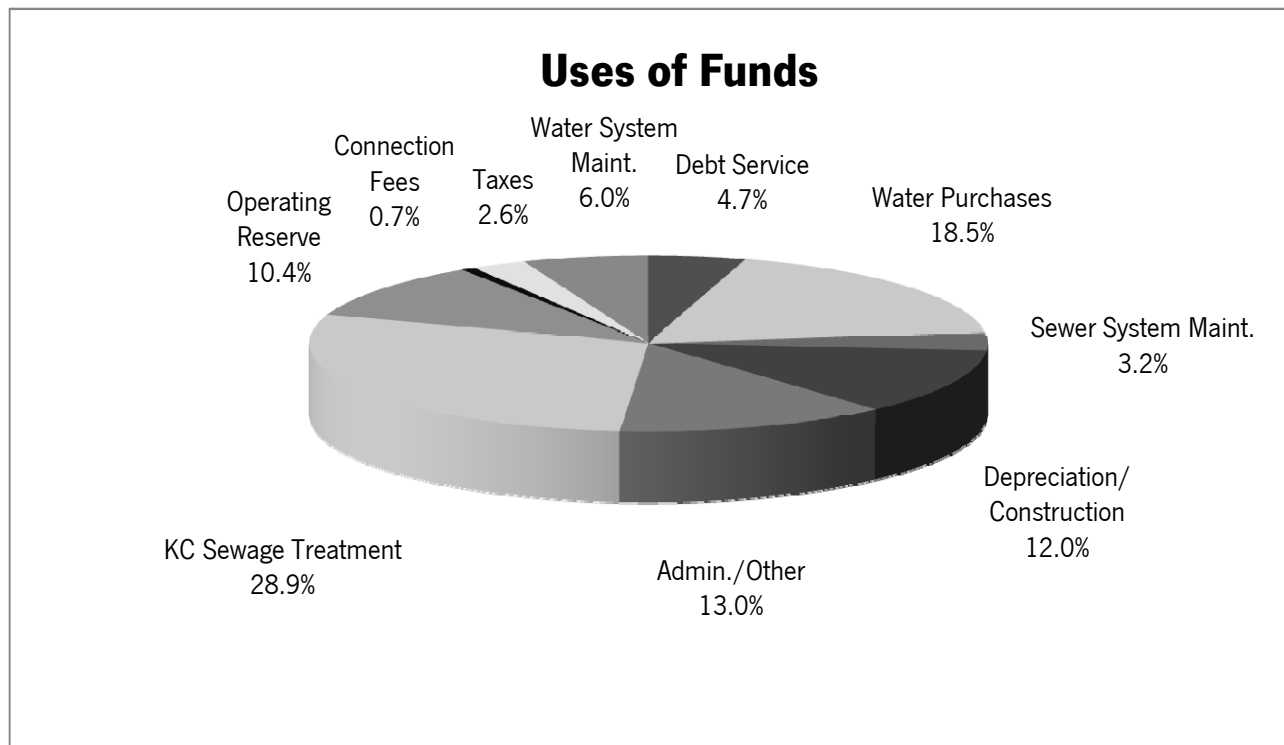
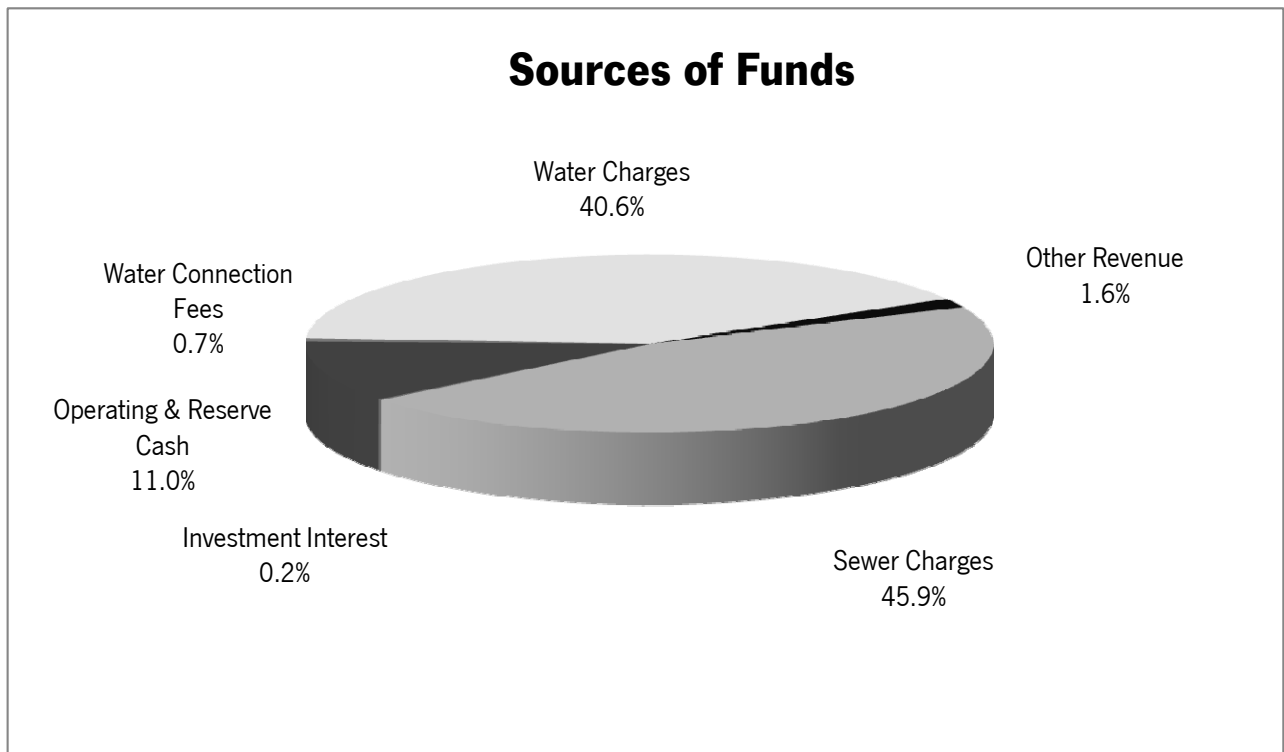
- Work with Graffiti Removal Program to remove graffiti from water assets as soon as possible after reports or discovery of graffiti.
- Continue the implementation of the Water System Security Vulnerability Assessment recommendations.
- Continue the City's Backflow Prevention Program as mandated by the Washington State Department of Health.
- Utilize long term financial policies to maintain customer rates in line with services.
- Continue to educate customers and pursue measures that focus on water conservation.
- Continue to perform ongoing maintenance programs which have proved to be beneficial to the department (i.e. flushing, valve exercising, meter change-out, etc.).
- Continue with the water main replacement program as part of the Water Comprehensive Plan.

- Continue use of Hansen Maintenance Management Information System (MMIS) for all asset planning and maintenance needs.
- Prepare for and begin to provide water service to customers in a portion of the new annexation area.

<p>2011-2012 OBJECTIVES – WASTEWATER DIVISION</p>
--

- Work with Graffiti Removal Program to remove graffiti from sewer lift stations, manholes, and other sewer assets as soon as possible after reports or discovery of graffiti.
- Continue to provide inspections to clients/restaurants' grease traps and continue outreach and education on Fats, Oil, and Grease Sewer Management Program (FOG).
- Utilize long term financial policies to maintain customer rates in line with services.
- Work with Capital Projects Division to identify system areas with high inflow and infiltration and support best practices to eliminate these sources.
- Rehabilitate and extend the life of wastewater structures for 2011 and 2012 street overlays.
- Continue use of Hansen MMIS for all asset planning and maintenance needs.
- Distribute and apply new updated Sewer Comprehensive Plan once adopted by City Council.
- Continue TV/Video Sewer Conveyance System to apply data for maintenance management and replacement program needs.

**2011-2012 BUDGET
WATER/SEWER OPERATING FUND**



2011-2012 BUDGET ANALYSIS

WATER/SEWER OPERATING FUND

ANALYSIS OF CHANGES

2009-10 Approved Budget (Including Carryovers & Furlough Concessions)		46,202,650
One-Time Adjustments, Carryovers and Reserves	(6,759,882)	
Restore 2010 3.4% Wage Reductions and Related Reductions	34,546	
Total One-Time Adjustments and Carryovers		(6,725,336)
Less Annexation Service Packages Approved in 2010 (see below)		-
2009-10 Ongoing Budget		<u>39,477,314</u>
2011-12 Basic Budget Changes:		
Salaries & Wages	(18,616)	
Employee Benefits	177,932	
Fleet - Internal Services Rate	(66,342)	
IT - Internal Services Rate	(10,572)	
Facilities - Internal Services Rate	(93,134)	
Central Service Charges	489,185	
Net Miscellaneous Adjustments	676,771	
Total Basic Budget Changes		1,155,224
2011-12 Basic Budget Changes as Percent of 2009-10 Ongoing Budget		2.93%
2011-12 Basic Budget (Excluding Ongoing Annexation Service Packages Approved in 2010)		40,632,538
Expenditure Reductions		
2011-12 Department Expenditure Reductions	-	
2011-12 Reductions due to Internal Service Rate Changes	(42,407)	
Total 2011-12 Expenditure Reductions		(42,407)
2011-12 Expenditure Reductions as Percent of 2011-12 Basic Budget		-0.10%
Service Packages		
Department Service Packages	-	
Service Packages Requested/Funded by Other Departments	-	
Total 2011-12 Service Packages		-
2011-12 Service Packages as Percent of 2011-12 Basic Budget		0.00%
Subtotal 2011-12 Budget Before Annexation		40,590,131
Annexation:		
Ongoing Annexation Service Packages Approved in 2010	-	
2011-12 Annexation Service Packages	-	
Interfund Adjustments	-	
Total Annexation Costs		-
Annexation Costs as Percent of 2011-12 Basic Budget		0.00%
Changes Due to Fund Restructuring:		
Total Changes Due to Fund Restructuring		0.00%
Reserves		4,811,385
2011-12 Adopted Budget (Including Annexation & Fund Changes)		<u>45,401,516</u>

COMPARISON OF 2009-10 BUDGET TO 2011-12 BUDGET

	Difference	% Change
2009-10 Approved Budget to 2011-12 Adopted Budget	(801,134)	-1.73%

2011-2012 FINANCIAL OVERVIEW

WATER/SEWER OPERATING FUND

FINANCIAL SUMMARY BY OBJECT

	2007-2008 Actual	2009-2010 Estimate	2009-2010 Budget	2011-2012 Budget	Percent Change
Salaries and Wages	2,196,329	2,598,375	2,628,159	2,639,878	0.45%
Benefits	873,133	1,079,155	1,118,499	1,300,642	16.28%
Supplies	6,303,299	7,614,713	8,004,655	8,993,042	12.35%
Other Services	4,796,615	5,121,132	5,233,570	5,529,022	5.65%
Government Services	19,233,431	20,727,565	22,306,708	22,038,690	-1.20%
Capital Outlay	150,175	51,024	201,424	191,457	-4.95%
Reserves	-	-	6,709,635	4,708,785	-29.82%
TOTAL	33,552,982	37,191,964	46,202,650	45,401,516	-1.73%

FINANCIAL SUMMARY BY DIVISION

	2007-2008 Actual	2009-2010 Estimate	2009-2010 Budget	2011-2012 Budget	Percent Change
Utility Operations/Maint.	20,895,538	22,689,059	24,610,794	25,905,854	5.26%
Administration	8,323,621	8,813,312	15,692,560	13,696,748	-12.72%
Capital Construction	4,126,151	5,405,442	5,542,936	5,418,828	-2.24%
Utility Joint Facilities	207,672	284,151	356,360	380,086	6.66%
TOTAL	33,552,982	37,191,964	46,202,650	45,401,516	-1.73%

POSITION SUMMARY BY DIVISION

	2007-2008 Actual	Adjustments	2009-2010 Budget	Adjustments	2011-2012 Budget
Utility Operations/Maint.	15.50	0.70	16.20	0.00	16.20
Administration	5.21	-0.20	5.01	-0.90	4.11
Capital Construction	0.00	0.00	0.00	0.00	0.00
Utility Joint Facilities	0.00	0.00	0.00	0.00	0.00
TOTAL	20.71	0.50	21.21	-0.90	20.31

2011-2012 POSITION SUMMARY

WATER/SEWER OPERATING FUND

POSITION SUMMARY BY CLASSIFICATION

Classification	2009-2010 Positions	Budget Reductions	Service Packages	Annexation Positions	Reallocations	2011-2012 Positions	Budgeted 2011 Salary Range
Internal Services Manager	0.15					0.15	6,483 - 8,366
Stormwater/Sewer Division Manager	0.50					0.50	6,483 - 8,366
Water Manager	1.00					1.00	6,483 - 8,366
Senior Public Works Accountant	0.40				(0.40)	0.00	
Management Analyst	0.60					0.60	5,423 - 6,380
Leadperson	1.25					1.25	4,975 - 6,003
GIS Analyst	0.50					0.50	5,082 - 5,978
Yard Maintenance & Inventory							
Control Person	0.60					0.60	4,174 - 5,392
Senior Maintenance Person	4.00					4.00	4,174 - 5,392
Utility Craftsperson	1.75					1.75	3,890 - 4,973
Permit Technician	0.40					0.40	4,195 - 4,935
Accounting Support Assoc. IV	1.20				(0.50)	0.70	4,007 - 4,714
Utilityperson	7.10					7.10	3,286 - 4,519
Video Inspector	0.50					0.50	3,286 - 4,519
Groundsperson	0.10					0.10	3,286 - 4,519
Public Works Office Specialist	0.50					0.50	3,585 - 4,218
Data Entry Clerk	0.66					0.66	3,245 - 3,818
TOTAL	21.21	0.00	0.00	0.00	(0.90)	20.31	

**City of Kirkland
2011-12 Budget**

Revenue

		2007-08 Actual	2009-10 Estimate	2009-10 Budget	2011-12 Budget	Percent Change
Fund: Water Sewer Utility Operating (411)						
Taxes						
Excise Tax						
Leasehold Excise Tax	3172001	2,614	0	0	0	0.00%
Total for Excise Tax:		2,614	0	0	0	0.00%
Total for Taxes:		2,614	0	0	0	0.00%
Intergovernmental Revenue						
Direct Federal Grants						
Dept of Homeland Security	3319703	20,233	2,816	2,816	0	0.00%
Total for Direct Federal Grants:		20,233	2,816	2,816	0	0.00%
State Grants						
Military Department	3340180	3,372	469	469	0	0.00%
Total for State Grants:		3,372	469	469	0	0.00%
Intergovt Service Revenues						
Intergovt-Other Gen Govt Svcs	3381901	84,749	123,957	100,000	105,500	5.50%
Total for Intergovt Service Revenues:		84,749	123,957	100,000	105,500	5.50%
Total for Intergovernmental Revenue:		108,354	127,242	103,285	105,500	2.14%
Charges for Goods and Services						
General Government						
Other General Government Svcs	3419001	27,327	18,377	30,000	10,000	-66.66%
Total for General Government:		27,327	18,377	30,000	10,000	-66.66%
Physical Environment						
Residential Water Sales	3434001	7,992,170	9,951,443	8,861,000	10,422,604	17.62%
Multi-Family Water Service	3434003	4,440,690	3,980,190	5,478,000	4,130,773	-24.59%
Commercial Water Sales	3434004	3,295,863	3,581,847	3,677,000	3,480,108	-5.35%
Water Service Penalties	3434005	104,998	109,805	100,000	110,000	10.00%
Residential Sewer Srvs-City	3435001	9,432,824	10,758,854	10,926,000	12,095,967	10.70%
Multi-Family Sewer Svc-City	3435003	3,623,940	4,018,805	4,351,000	4,683,887	7.65%
Commercial Sewer Srvs-City	3435005	3,516,841	3,485,864	4,160,000	3,927,479	-5.58%
Sewer Service Penalties	3435007	107,927	122,429	110,000	120,000	9.09%
Water OffOn Charge	3439001	228,954	271,706	230,000	280,000	21.73%
Estimated Final Bill Fee	3439003	40	0	200	0	0.00%
Total for Physical Environment:		32,744,247	36,280,943	37,893,200	39,250,818	3.58%
Interfund/Interdep Sales Svc						
Interfund-Other Gen Govmnt	3491901	32,793	25,000	5,000	5,000	0.00%

**City of Kirkland
2011-12 Budget**

Revenue

		2007-08 Actual	2009-10 Estimate	2009-10 Budget	2011-12 Budget	Percent Change
Total for Interfund/Interdept Sales Svc:		32,793	25,000	5,000	5,000	0.00 %
Total for Charges for Goods and Services:		32,804,367	36,324,320	37,928,200	39,265,818	3.52 %
Miscellaneous Revenues						
Interest and Other Earnings						
Investment Interest	3611101	505,378	300,105	374,700	83,248	-77.78 %
Int on Sales Tax Contract AR	3614001	0	9,004	0	0	0.00 %
Total for Interest and Other Earnings:		505,378	309,109	374,700	83,248	-77.78 %
Rents/Leases/Concessions						
Facilities Leases LT-Other	3625002	117,895	97,489	106,875	113,700	6.38 %
Housing Rental Leases	3626001	52,110	8,835	47,520	0	0.00 %
Total for Rents/Leases/Concessions:		170,005	106,324	154,395	113,700	-26.35 %
Interfund/Interdept-Misc Rev						
Hydrant Rental-Interfund	3662001	8,000	206,080	205,696	526,894	156.15 %
Total for Interfund/Interdept-Misc Rev:		8,000	206,080	205,696	526,894	156.15 %
Contributions - Private						
Contributions Private	3679901	0	15,000	0	0	0.00 %
Total for Contributions - Private:		0	15,000	0	0	0.00 %
Other Misc Revenues						
Sale of Scrap Material	3691001	5,759	10,881	5,000	7,000	40.00 %
Other Judgements Settlements	3694001	150,725	14,468	20,000	5,000	-75.00 %
Other Misc Revenue	3699001	673	106,499	1,000	2,000	100.00 %
Total for Other Misc Revenues:		157,157	131,848	26,000	14,000	-46.15 %
Total for Miscellaneous Revenues:		840,540	768,361	760,791	737,842	-3.01 %
Proprietary Other Income						
Capital Contributions						
Regional Water Connection Chg	3791003	1,371,122	299,862	1,675,000	300,000	-82.08 %
Emergency Sewer Program Collct	3791006	5,500	5,202	0	0	0.00 %
Total for Capital Contributions:		1,376,622	305,064	1,675,000	300,000	-82.08 %
Total for Proprietary Other Income:		1,376,622	305,064	1,675,000	300,000	-82.08 %
Other Financing Sources						
Resources Forward						
Resources Forward	3999901	0	0	5,735,374	4,992,356	-12.95 %
Total for Resources Forward:		0	0	5,735,374	4,992,356	-12.95 %

**City of Kirkland
2011-12 Budget**

Revenue

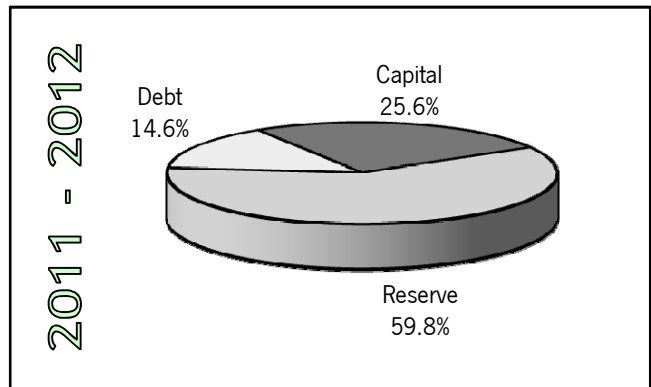
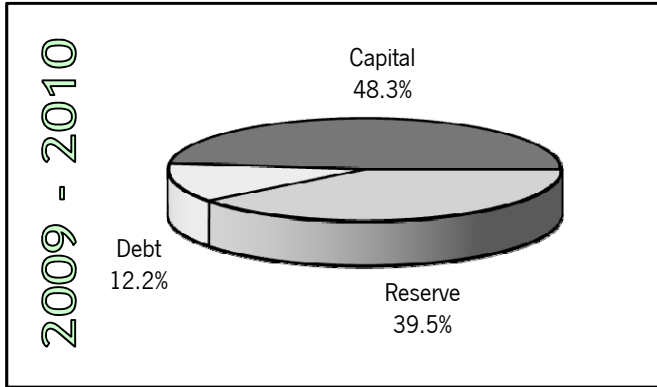
	2007-08 Actual	2009-10 Estimate	2009-10 Budget	2011-12 Budget	Percent Change
Total for Other Financing Sources:	0	0	5,735,374	4,992,356	-12.95 %
Total for Water Sewer Utility Operating:	35,132,497	37,524,987	46,202,650	45,401,516	-1.73 %



NON-OPERATING



**CITY OF KIRKLAND
WATER/SEWER UTILITY**



2009-2010 BUDGET SUMMARY: BY PURPOSE

Fund	2009-10 Budget	Purpose			
		Reserve	Debt	Capital	Other
412 Debt Service	3,505,639	822,275	2,683,364	-	-
413 Utility Capital Projects	18,399,331	7,829,556	-	10,569,775	-
Total Non-Operating Funds	21,904,970	8,651,831	2,683,364	10,569,775	-

2011-2012 BUDGET SUMMARY: BY PURPOSE

Fund	2011-12 Budget	Purpose			
		Reserve	Debt	Capital	Other
412 Debt Service	2,962,187	508,717	2,453,470	-	-
413 Utility Capital Projects	13,870,848	9,561,148	-	4,309,700	-
Total Non-Operating Funds	16,833,035	10,069,865	2,453,470	4,309,700	-

WATER/SEWER UTILITY DEBT SERVICE FUND

There are two types of debt generally issued by the City for utility purposes:

- **Revenue Bonds** represent debt that is repaid from a designated revenue source such as fees. The City uses revenue bonds to pay for improvements related to the water and sewer utility. The annual debt service requirements of revenue bond issues are incorporated into the water and sewer rates which are paid monthly by utility customers.
- **Local Improvement District (LID) Bonds** represent debt that is repaid by the property owners who benefited from the capital improvement through annual assessments paid to the City. LIDs are formed by the City Council after a majority of property owners agree to the assessment. Currently the City has no LID Bonds outstanding.

In addition to bonds, the City can take advantage of low interest loans from the state's **Public Works Trust Fund**. Loans for approved projects are granted with interest rates ranging from one-half to three percent depending on the amount of the City's matching funds. Loans are awarded through a competitive process. At this time, the City has five outstanding one percent loans and two one-half percent loans, which were issued for water/sewer capital improvement purposes. Debt service is repaid through utility rates.

The City's debt management policies provide guidelines for the appropriate use of debt. The complete policies are contained at the end of this document in the appendix. Some key debt management policies include:

- *City Council approval is required prior to issuance of utility debt.*

- *Revenue bonds shall be issued only when operating revenues are insufficient for the enterprise's capital financing needs.*
- *The City will conduct a thorough analytical review before issuing debt and maintain a good credit rating at all times.*
- *The City will insure that net operating revenues of the enterprise constitute a minimum of 1.5 times the annual debt service requirements.*
- *The City will use refunding bonds (refinancing) to restructure current outstanding debt when sufficient savings can be realized from lower interest rates.*

When the City issues debt, a thorough review of the City's financial condition is completed by bond rating agencies. Based on their findings, the bonds are given a rating. The City's bond rating is a reflection of its creditworthiness and affects the cost to the City of issuing debt. There are two rating agencies – Standard and Poor's (S&P) and Moody's Investor Service – that rate Kirkland's bonds. Standard and Poor's upgraded Kirkland's rating as of November 17, 2008 to AAA from AA- due to the utility's strong performance and the rating agency's revised criteria. As of April 2010, Moody's upgraded the utility's rating from A1 to Aa2.

Once bonds are rated, the City enters the bond market to secure the necessary funding. The proceeds (cash) received from selling the bonds are placed in the Utility Capital Projects Fund to account for the cost of constructing the capital improvement. The Water/Sewer Utility Debt Service Fund was created to track the principal and interest payments for all utility-related debt and required reserves. Each year a sufficient amount of revenue is budgeted and placed in the fund to pay the annual principal and interest due.

**CITY OF KIRKLAND
 WATER/SEWER UTILITY
 DEBT SERVICE FUND
 2011-2012 PAYMENT AND RESERVE SUMMARY**

2009-2010 Budget

Fund	Payment		Reserve	Total
	Principal	Interest		
412 Water/Sewer Debt Service	2,356,844	326,520	822,275	3,505,639
Total Debt Service Fund	2,356,844	326,520	822,275	3,505,639

2011-2012 Budget

Fund	Payment		Reserve	Total
	Principal	Interest		
412 Water/Sewer Debt Service	2,269,356	184,114	508,717	2,962,187
Total Debt Service Fund	2,269,356	184,114	508,717	2,962,187

City of Kirkland**1996 Water/Sewer Revenue Refunding Bonds****Purpose: Refunds a portion of the 1992 Water/Sewer Revenue Bonds**

Denomination	\$5,000	Date of Bond Sale	3/04/1996
Amount of Issue	\$3,725,000	Net Interest Rate	4.946%
Ordinance	3523	Org:	4120009961

DEBT SERVICE SCHEDULE

Year	Interest Dates:		Interest Rate	Maturity Date	Principal Amount	Total Payment	Principal Balance
	June 1	December 1					
1996	44,867	89,734	3.60%	6/1/1996	0	134,601	3,725,000
1997	89,734	89,734	3.60%	6/1/1997	0	179,468	3,725,000
1998	89,734	89,344	3.90%	6/1/1998	20,000	199,078	3,705,000
1999	89,344	88,644	4.00%	6/1/1999	35,000	212,988	3,670,000
2000	88,644	87,926	4.10%	6/1/2000	35,000	211,570	3,635,000
2001	87,926	87,200	4.15%	6/1/2001	35,000	210,126	3,600,000
2002	87,200	86,350	4.25%	6/1/2002	40,000	213,550	3,560,000
2003	86,350	81,835	4.30%	6/1/2003	210,000	378,185	3,350,000
2004	81,835	76,885	4.40%	6/1/2004	225,000	383,720	3,125,000
2005	76,885	71,260	4.50%	6/1/2005	250,000	398,145	2,875,000
2006	71,260	64,750	4.65%	6/1/2006	280,000	416,010	2,595,000
2007	64,750	56,995	4.70%	6/1/2007	330,000	451,745	2,265,000
2008	56,995	48,715	4.80%	6/1/2008	345,000	450,710	1,920,000
2009	48,715	39,895	4.90%	6/1/2009	360,000	448,610	1,560,000
2010	39,895	30,520	5.00%	6/1/2010	375,000	445,415	1,185,000
2011	30,520	15,730	5.10%	6/1/2011	580,000	626,250	605,000
2012	15,730	0	5.20%	6/1/2012	605,000	620,730	0
Totals	1,150,383	1,105,516			3,725,000	5,980,899	

**City of Kirkland
2004 Water/Sewer Revenue and Refunding Bonds**

**Purpose: Water/Sewer Capital Improvements
Refunds 1995 Water/Sewer Revenue Bonds and
Reissues 1992 Water/Sewer Refunding**

Denomination	\$5,000	Date of Bond Sale	8/1/2004
Amount of Issue	\$3,090,000	Net Interest Rate	3.613%
Ordinance	3955	Org:	4120009041

DEBT SERVICE SCHEDULE

Year	Interest Dates		Interest Rate	Maturity Date	Principal Amount	Total Payment	Principal Balance
	June 1	December 1					
2004	0	33,304	2.00%	6/1/2004	0	33,304	3,090,000
2005	49,956	46,656	2.00%	6/1/2005	330,000	426,613	2,760,000
2006	46,656	42,719	2.50%	6/1/2006	315,000	404,375	2,445,000
2007	42,719	38,444	3.00%	6/1/2007	285,000	366,163	2,160,000
2008	38,444	34,019	3.00%	6/1/2008	295,000	367,463	1,865,000
2009	34,019	29,444	3.00%	6/1/2009	305,000	368,463	1,560,000
2010	29,444	24,325	3.25%	6/1/2010	315,000	368,769	1,245,000
2011	24,325	21,700	3.50%	6/1/2011	150,000	196,025	1,095,000
2012	21,700	18,700	3.75%	6/1/2012	160,000	200,400	935,000
2013	18,700	9,500	4.00%	6/1/2013	460,000	488,200	475,000
2014	9,500	0	4.00%	6/1/2014	475,000	484,500	0
Totals	315,463	298,810			3,090,000	3,704,273	

City of Kirkland

1993 Public Works Trust Fund Loan

Purpose: Lake Street Sewer Line Replacement

Amount of Loan	\$823,368	Initial Loan Draw	8/5/1993
Ordinance	3371	Net Interest Rate	1.000%
		Org:	4120008941

DEBT SERVICE SCHEDULE

Year	Interest Amount	Interest Rate	Payment Date	Principal Amount	Total Payment	Principal Balance
1993						123,505 *
1994	3,637	1.00%	7/1/1994	0	3,637	823,368 *
1995	7,820	1.00%	7/1/1995	43,335	51,155	780,033
1996	7,800	1.00%	7/1/1996	43,335	51,135	736,698
1997	7,367	1.00%	7/1/1997	43,335	50,702	693,363
1998	6,934	1.00%	7/1/1998	43,335	50,269	650,027
1999	6,500	1.00%	7/1/1999	43,335	49,835	606,692
2000	6,067	1.00%	7/1/2000	43,335	49,402	563,357
2001	5,634	1.00%	7/1/2001	43,335	48,969	520,022
2002	5,200	1.00%	7/1/2002	43,335	48,535	476,687
2003	4,767	1.00%	7/1/2003	43,335	48,102	433,352
2004	4,334	1.00%	7/1/2004	43,335	47,669	390,016
2005	3,900	1.00%	7/1/2005	43,335	47,235	346,681
2006	3,467	1.00%	7/1/2006	43,335	46,802	303,346
2007	3,033	1.00%	7/1/2007	43,335	46,369	260,011
2008	2,600	1.00%	7/1/2008	43,335	45,935	216,676
2009	2,167	1.00%	7/1/2009	43,335	45,502	173,341
2010	1,733	1.00%	7/1/2010	43,335	45,069	130,005
2011	1,300	1.00%	7/1/2011	43,335	44,635	86,670
2012	867	1.00%	7/1/2012	43,335	44,202	43,335
2013	433	1.00%	7/1/2013	43,335	43,768	0
Totals	85,559			823,368	908,927	

*Principal received in three installments: \$123,205 on 8/5/93, \$617,526 on 2/2/94 and \$82,337 on 12/31/94

**City of Kirkland
1994A Public Works Trust Fund**

Purpose: Lake Washington Boulevard Water Line Replacement

Amount of Loan	\$1,231,700	Initial Loan Draw	7/26/1994
Ordinance	3418	Net Interest Rate	1.000%
		Org:	4120008941

DEBT SERVICE SCHEDULE

Year	Interest Amount	Interest Rate	Payment Date	Principal Amount	Total Payment	Principal Balance
1994						207,900 *
1995	6,508	1.00%	7/1/1995	0	6,508	1,247,400 *
1996	12,463	1.00%	7/1/1996	65,270	77,733	1,166,430 *
1997	11,664	1.00%	7/1/1997	64,802	76,466	1,101,628
1998	11,016	1.00%	7/1/1998	64,802	75,818	1,036,827
1999	10,368	1.00%	7/1/1999	64,802	75,170	972,025
2000	9,720	1.00%	7/1/2000	64,802	74,522	907,223
2001	9,072	1.00%	7/1/2001	64,802	73,874	842,422
2002	8,424	1.00%	7/1/2002	64,802	73,226	777,620
2003	7,776	1.00%	7/1/2003	64,802	72,578	712,818
2004	7,128	1.00%	7/1/2004	64,802	71,930	648,017
2005	6,480	1.00%	7/1/2005	64,802	71,282	583,215
2006	5,832	1.00%	7/1/2006	64,802	70,634	518,413
2007	5,184	1.00%	7/1/2007	64,802	69,986	453,612
2008	4,536	1.00%	7/1/2008	64,802	69,338	388,810
2009	3,888	1.00%	7/1/2009	64,802	68,690	324,008
2010	3,240	1.00%	7/1/2010	64,802	68,042	259,206
2011	2,592	1.00%	7/1/2011	64,802	67,394	194,405
2012	1,944	1.00%	7/1/2012	64,802	66,746	129,603
2013	1,296	1.00%	7/1/2013	64,802	66,098	64,801
2014	648	1.00%	7/1/2014	64,802	65,450	0
Totals	129,783			1,231,700	1,361,483	

*Principal received: \$207,900 on 8/3/94, \$1,039,500 on 1/20/95 and \$15,700 refunded on 5/1/96

City of Kirkland
1994B Public Works Trust Fund Loan

Purpose: Lake Washington Boulevard Sewer Line Replacement

Amount of Loan	\$1,165,500	Initial Loan Draw	7/26/1994
Ordinance	3419	Net Interest Rate	1.00%
		Org:	4120008941

DEBT SERVICE SCHEDULE

Year	Interest Amount	Interest Rate	Payment Date	Principal Amount	Total Payment	Principal Balance
1994						174,825 *
1995	5,473	1.00%	7/1/1995	0	5,473	1,048,950 *
1996	10,490	1.00%	7/1/1996	55,208	65,697	993,742 *
1997	10,566	1.00%	7/1/1997	61,683	72,248	1,048,609
1998	10,486	1.00%	7/1/1998	61,683	72,169	986,926
1999	9,869	1.00%	7/1/1999	61,683	71,552	925,243
2000	9,252	1.00%	7/1/2000	61,683	70,935	863,560
2001	8,636	1.00%	7/1/2001	61,683	70,319	801,877
2002	8,019	1.00%	7/1/2002	61,683	69,702	740,195
2003	7,402	1.00%	7/1/2003	61,683	69,085	678,512
2004	6,785	1.00%	7/1/2004	61,683	68,468	616,829
2005	6,168	1.00%	7/1/2005	61,683	67,851	555,146
2006	5,551	1.00%	7/1/2006	61,683	67,234	493,463
2007	4,935	1.00%	7/1/2007	61,683	66,618	431,780
2008	4,318	1.00%	7/1/2008	61,683	66,001	370,097
2009	3,701	1.00%	7/1/2009	61,683	65,384	308,414
2010	3,084	1.00%	7/1/2010	61,683	64,767	246,731
2011	2,467	1.00%	7/1/2011	61,683	64,150	185,049
2012	1,850	1.00%	7/1/2012	61,683	63,533	123,366
2013	1,234	1.00%	7/1/2013	61,683	62,917	61,683
2014	617	1.00%	7/1/2014	61,683	62,300	0
Totals	120,903			1,165,500	1,286,403	

* Principal received: \$174,825 on 8/3/94, \$874,125 on 1/20/95 and \$116,550 on 12/16/96

City of Kirkland**1995 Public Works Trust Fund Loan****Purpose: Lake Shore Plaza Lift Station**

Amount of Loan \$794,850
 Ordinance 3419

Initial Loan Draw 6/09/1995
 Net Interest Rate 1.000%
 Org: 4120008941

DEBT SERVICE SCHEDULE

Year	Interest Amount	Interest Rate	Payment Date	Principal Amount	Total Payment	Principal Balance
1995						119,228 *
1996	1,268	1.00%	7/1/1996	0	1,268	360,766 *
1997	2,494	1.00%	7/1/1997	18,988	21,482	341,778
1998	3,418	1.00%	7/1/1998	18,988	22,405	322,791
1999	3,674	1.00%	7/1/1999	44,522	48,196	712,353 *
2000	7,124	1.00%	7/1/2000	44,522	51,646	667,831
2001	6,678	1.00%	7/1/2001	44,522	51,200	623,309
2002	6,233	1.00%	7/1/2002	44,522	50,755	578,787
2003	5,788	1.00%	7/1/2003	44,522	50,310	534,265
2004	5,343	1.00%	7/1/2004	44,522	49,865	489,743
2005	4,897	1.00%	7/1/2005	44,522	49,419	445,221
2006	4,452	1.00%	7/1/2006	44,522	48,974	400,699
2007	4,007	1.00%	7/1/2007	44,522	48,529	356,177
2008	3,562	1.00%	7/1/2008	44,522	48,084	311,655
2009	3,117	1.00%	7/1/2009	44,522	47,639	267,133
2010	2,671	1.00%	7/1/2010	44,522	47,193	222,611
2011	2,226	1.00%	7/1/2011	44,522	46,748	178,089
2012	1,781	1.00%	7/1/2012	44,522	46,303	133,566
2013	1,336	1.00%	7/1/2013	44,522	45,858	89,044
2014	890	1.00%	7/1/2014	44,522	45,412	44,522
2015	445	1.00%	7/1/2015	44,522	44,967	0
Totals	71,404			794,850	866,254	

* Principal received in three installments: \$119,228 on 6/7/95, \$241,538 on 12/9/96, and \$434,084 on 5/24/99.

City of Kirkland
2000 Public Works Trust Fund Loan

Purpose: Juanita Lift Station Replacement Project-Design

Amount of Loan	\$227,500	Initial Loan Draw	7/01/2000
Resolution	4236	Net Interest Rate	1.000%
		Org:	4120008941

DEBT SERVICE SCHEDULE

Year	Interest Amount	Interest Rate	Payment Date	Principal Amount	Total Payment	Principal Balance
2000						170,625
2001	1,616	1.00%	7/1/2001	8,980	10,596	161,645
2002	1,616	1.00%	7/1/2002	8,980	10,597	152,664
2003	1,527	1.00%	7/1/2003	8,980	10,507	200,560 *
2004	1,979	1.00%	7/1/2004	12,535	14,514	188,025
2005	1,880	1.00%	7/1/2005	12,535	14,415	175,490
2006	1,755	1.00%	7/1/2006	12,535	14,290	162,955
2007	1,629	1.00%	7/1/2007	12,535	14,164	150,420
2008	1,504	1.00%	7/1/2008	12,535	14,039	137,885
2009	1,379	1.00%	7/1/2009	12,535	13,914	125,350
2010	1,254	1.00%	7/1/2010	12,535	13,789	112,815
2011	1,128	1.00%	7/1/2011	12,535	13,663	100,280
2012	1,003	1.00%	7/1/2012	12,535	13,538	87,745
2013	877	1.00%	7/1/2013	12,535	13,412	75,210
2014	752	1.00%	7/1/2014	12,535	13,287	62,675
2015	627	1.00%	7/1/2015	12,535	13,162	50,140
2016	501	1.00%	7/1/2016	12,535	13,036	37,605
2017	376	1.00%	7/1/2017	12,535	12,911	25,070
2018	251	1.00%	7/1/2018	12,535	12,786	12,535
2019	125	1.00%	7/1/2019	12,535	12,660	0
Totals	21,780			227,500	249,280	

*Additional principal \$56,875 received 3/15/03

City of Kirkland**2001 Public Works Trust Fund Loan****Purpose: Juanita Lift Station Replacement Project-Construction**

Amount of Loan \$1,848,000
 Resolution 4236

Initial Loan Draw 9/15/03
 Net Interest Rate 0.500%
 Org: 4120008941

DEBT SERVICE SCHEDULE

Year	Interest Amount	Interest Rate	Payment Date	Principal Amount	Total Payment	Principal Balance
2003						1,755,600 *
2004	7,949	0.50%	7/1/2004	97,533	105,482	1,750,467 *
2005	8,588	0.50%	7/1/2005	102,969	111,557	1,647,498
2006	8,237	0.50%	7/1/2006	102,969	111,206	1,544,529
2007	7,723	0.50%	7/1/2007	102,968	110,691	1,441,561
2008	7,208	0.50%	7/1/2008	102,969	110,177	1,338,592
2009	6,693	0.50%	7/1/2009	102,968	109,661	1,235,624
2010	6,178	0.50%	7/1/2010	102,969	109,147	1,132,655
2011	5,663	0.50%	7/1/2011	102,969	108,632	1,029,686
2012	5,148	0.50%	7/1/2012	102,968	108,116	926,718
2013	4,634	0.50%	7/1/2013	102,969	107,603	823,749
2014	4,119	0.50%	7/1/2014	102,969	107,088	720,780
2015	3,604	0.50%	7/1/2015	102,968	106,572	617,812
2016	3,089	0.50%	7/1/2016	102,969	106,058	514,843
2017	2,574	0.50%	7/1/2017	102,968	105,542	411,875
2018	2,059	0.50%	7/1/2018	102,969	105,028	308,906
2019	1,545	0.50%	7/1/2019	102,969	104,514	205,937
2020	1,030	0.50%	7/1/2020	102,968	103,998	102,969
2021	515	0.50%	7/1/2021	102,969	103,484	0
Totals	86,556			1,848,000	1,934,556	

* Initial draws totalling \$1,755,600 in 2003, balance drawn in 2004

City of Kirkland**2004 Public Works Trust Fund Loan****Purpose: Central Way Sewer Replacement**

Amount of Loan \$1,086,300
 Resolution 4451

Initial Loan Draw 9/01/04
 Net Interest Rate 0.500%
 Org: 4120008941

DEBT SERVICE SCHEDULE

Year	Interest Amount	Interest Rate	Payment Date	Principal Amount	Total Payment	Principal Balance
2004						217,260 *
2005	757	0.50%	7/1/2005	0	757	1,031,985 *
2006	7,846	0.50%	7/1/2006	57,333	62,221	977,670
2007	4,888	0.50%	7/1/2007	57,333	62,221	974,653
2008	4,873	0.50%	7/1/2008	57,333	62,206	917,320
2009	4,587	0.50%	7/1/2009	57,333	61,919	859,988
2010	4,300	0.50%	7/1/2010	57,333	61,632	802,655
2011	4,013	0.50%	7/1/2011	57,333	61,346	745,323
2012	3,727	0.50%	7/1/2012	57,333	61,059	687,990
2013	3,440	0.50%	7/1/2013	57,333	60,772	630,658
2014	3,153	0.50%	7/1/2014	57,333	60,486	573,325
2015	2,867	0.50%	7/1/2015	57,333	60,199	515,993
2016	2,580	0.50%	7/1/2016	57,333	59,912	458,660
2017	2,293	0.50%	7/1/2017	57,333	59,626	401,328
2018	2,007	0.50%	7/1/2018	57,333	59,339	343,995
2019	1,720	0.50%	7/1/2019	57,333	59,052	286,663
2020	1,433	0.50%	7/1/2020	57,333	58,766	229,330
2021	1,147	0.50%	7/1/2021	57,333	58,479	171,998
2022	860	0.50%	7/1/2022	57,333	58,192	114,665
2023	573	0.50%	7/1/2023	57,333	57,906	57,333
2024	287	0.50%	7/1/2024	57,333	57,619	0
Totals	57,351			1,089,317	1,143,711	

* Initial draw \$217,260 in 2004, balance expected to be drawn throughout 2005

CITY OF KIRKLAND:

***WATER/SEWER UTILITY CAPITAL
PROJECTS FUND***

Capital Projects Funds are used to fund and track the construction of projects approved in the Capital Improvement Program. The City Council adopts a six-year Capital Improvement Program (CIP) which is a plan for major improvements or purchases needed in the areas of transportation (streets, sidewalks, signals, and intersections), storm drains, water and sewer systems, parks, public safety, and other government facilities and equipment. The Council revises the CIP biennially. The Water/Sewer portion of the CIP includes only those projects associated with the water/sewer utility.

The **Water/Sewer Capital Projects Fund** accounts for water and sewer projects that are ultimately funded by a portion of the water and sewer rates paid by utility customers. Included in the fund are the Water/Sewer CIP Contingency and the Water/Sewer Construction Reserve. The former has a target of ten percent of the funded six-year Utility CIP and provides a cushion in the event of unanticipated changes in project scope or cost. The latter is comprised of connection charges paid by new customers connecting to the City's water and sewer systems.

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2011-2012 BUDGET**

WATER/SEWER CAPITAL PROJECTS FUND (413)

Project Category/ Project Title	Project Number	Funding Source
UTILITIES		
Water		
Supply Stn #3 Replacement/Transmission Main Addition	WA 0063	Connection Fees/Rates/External Funding
Emergency Sewer Program Watermain Replacement Pgm	WA 0090	Connection Fees/Water & Sewer Rates
132nd Ave NE/NE 80th St. Watermain Replacement	WA 0116	Connection Fees/Water & Sewer Rates
NE 109th Ave/106th Ct. NE Watermain Replacement	WA 0121	Connection Fees/Water & Sewer Rates
Total Water		
Sewer		
Emergency Sewer Construction Program	SS 0056	Water & Sewer Reserves
NE 80th St. Sewermain Replacement (Phase II)	SS 0067	Connection Fees/Water & Sewer Rates
Annual Sanitary Pipeline Replacement Program	SS 8888	Connection Fees/Water & Sewer Rates
Annual Sanitary Pump Station/System Upgrade Program	SS 9999	Connection Fees/Water & Sewer Rates
Total Sewer		
TOTAL WATER/SEWER CAPITAL PROJECTS FUND		

2011 Budget	2012 Budget	Estimated Total Project Cost	Additional Annual Maintenance & Operations	
			2011	2012
0	141,000	141,000	0	0
50,000	0	150,000	0	0
0	251,000	2,314,800	0	0
0	371,300	371,300	0	0
50,000	763,300	2,977,100	0	0
1,400,000	0	4,200,000	0	0
0	680,400	2,364,400	0	0
0	886,000	886,000	0	0
0	530,000	530,000	0	0
1,400,000	2,096,400	7,980,400	0	0
1,450,000	2,859,700	10,957,500	0	0

**City of Kirkland
2011-2016 Capital Improvement Program**

WATER/SEWER UTILITY PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2011	2012	2013	2014	2015	2016	2011-16 Total	Funding Source			
										Current Revenue	Reserve	Debt	External Source
WA 0063+	Supply Station #3 Replacement/Transmission Main Addition		50,000	141,000	50,000				141,000	93,100			47,900
WA 0090	Emergency Sewer Pgm Watermain Replacement Pgm					997,000			997,000	150,000			
WA 0102+	104th Ave NE Watermain Replacement			251,000	798,500				2,314,800	937,000			
WA 0116*	132nd Av NE/NE 80th St Watermain Replacement			371,300					371,300	2,314,800			
WA 0121+	NE 109th Ave/106th Court NE Watermain Replacement								1,000,000	1,000,000			
WA 8888*	Annual Watermain Replacement Program							500,000	600,000	1,000,000			
WA 9999*	Annual Water Pump Station/System Upgrade Pgm							600,000	1,200,000	1,200,000			
SS 0056	Emergency Sewer Construction Program		1,400,000	680,400	1,400,000				4,200,000	354,600			2,009,800
SS 0067*	NE 50th Street Sewermain Replacement (Phase II)					525,000			3,841,800	576,300			3,265,500
SS 0076*	NE 50th Street Sewermain Replacement (Phase III)					354,600		1,879,700	3,841,800	886,000			
SS 8888*	Annual Sanitary Pipeline Replacement Program			886,000					886,000	530,000			
SS 9999*	Annual Sanitary Pump Station/System Upgrade Pgm			530,000					530,000				
Total Funded Water/Sewer Utility Projects		0	1,450,000	2,859,700	3,407,500	3,061,900	4,177,500	2,979,700	17,956,300	8,413,100	4,200,000	5,275,300	47,900

WATER/SEWER UTILITY PROJECTS

Unfunded Projects:

Project Number	Project Title	Total
WA 0052	108th Avenue NE Watermain Replacement	1,584,000
WA 0057	116th Avenue NE Watermain Replacement	2,731,000
WA 0067#	North Reservoir Pump Replacement	611,000
WA 0096	NE 53rd Street Watermain Replacement	450,000
WA 0097*	NE 50th Street Watermain Replacement (Phase III)	1,201,000
WA 0098	126th Ave NE/NE 83rd & 84th St/128th Ave NE Watermain Replcmnt	1,197,000
WA 0103*	NE 113th Place/106th Ave NE Watermain Replacement	841,000
WA 0104	111th Ave NE/NE 62nd St/NE 54th St Watermain Replcmnt	1,493,000
WA 0108	109th Ave NE/NE 58th St Watermain Replacement	504,000
WA 0109	112th Ave NE Watermain Replacement	1,179,000
WA 0111	NE 46th St/109th/111th Ave NE Watermain Replcmnt	1,303,000
WA 0113	116th Ave NE/NE 70th/NE 80th St Watermain Replcmnt	2,858,000
WA 0118*	112th-114th Avenue NE/NE 67th-68th Street Watermain Replacement	3,360,100
WA 0119	109th Ave NE/111th Way NE Watermain Replacement	2,304,000
WA 0120*	111th Avenue Watermain Replacement	182,000
WA 0122	116th Avenue NE/NE 100th Street Watermain Replacement	1,506,000
WA 0123	NE 91st Street Watermain Replacement	453,000
WA 0124*	NE 97th Street Watermain Replacement	685,000
WA 0126#	North Reservoir Outlet Meter Addition	72,300
WA 0127#	650 Booster Pump Station	1,603,000
WA 0129	106th Ave NE-110th Ave NE/NE 116th St-NE 120th St Watermain Replcmnt	2,395,000
WA 0130*	South Reservoir Recooling	981,000
WA 0131#	11th Place Watermain Replacement	339,000
WA 0132	Supply Station #1 Improvements	61,500
WA 0133	7th Avenue/Central Avenue Watermain Replacement	907,000
WA 0134	Kirkland Avenue Watermain Replacement	446,000
WA 0135	5th Avenue S/8th Street S Watermain Replacement	1,420,000
WA 0136*	NE 75th Street Watermain Replacement	711,000
WA 0137*	NE 74th Street Watermain Replacement	193,000
WA 0138	NE 73rd Street Watermain Replacement	660,000
WA 0139	NE 72nd St/130th Ave NE Watermain Replacement	1,476,000
WA 0140*	6th Street S Watermain Replacement	584,000
SS 0051	NE 50th Street Watermain Replacement (Phase II)	2,863,000
SS 0052	6th Street South Sewermain Replacement	804,000
SS 0062*	108th Avenue NE Sewermain Replacement	5,110,000
SS 0063*	NE 108th Street Sewermain Replacement/Rehabilitation	4,405,000
SS 0064*	NE 53rd Street Sewermain Replacement	723,000
SS 0068	7th Avenue South Sewermain Replacement	804,000
SS 0069	124th Avenue NE Sewermain Replacement	1,315,000
SS 0070	1st Street Sewermain Replacement	3,945,000
SS 0071	5th Street Sewermain Replacement	1,354,000
SS 0072	6th Street Sewermain Replacement	308,000
SS 0073#	Kirkland Avenue Sewermain Replacement	1,980,000
SS 0077	Rose Point Sewer Lift Station Replacement	1,811,000
	West Of Market Sewermain Replacement	21,681,000
Subtotal Unfunded Water/Sewer Utility Projects		83,303,900
Funding Available from Annual Programs for Candidate Projects		3,616,000
Net Unfunded Water/Sewer Utility Projects		79,687,900

Notes:

- * = Modification in timing and/or cost (see Project Modification Schedule for greater detail)
- + = Moved from unfunded status to funded status
- # = Moved from funded status to unfunded status
- ^ = Annual Watermain or Sanitary Pipeline Replacement Program Project Candidates
- # = Annual Pump Station/System Upgrade Program Project Candidates
- Shaded year(s) = Previous timing
- Bold Italics = New projects