

**SALT LAKE CITY COUNCIL STAFF REPORT**  
**BUDGET ANALYSIS – FISCAL YEAR 2009-10**

**DATE:** April 24, 2009  
**SUBJECT:** **PUBLIC UTILITIES DEPARTMENT**  
**Water, Sewer, Storm Water Funds**  
**STAFF REPORT BY:** Lehua Weaver  
**CC:** David Everitt, Jeff Niermeyer, Tom Ward, Jim Lewis, Gordon Hoskins, Gina Chamness, Randy Hillier

The Department of Public Utilities has prepared a budget for the Council’s review, which includes a combined Operating Expenses and Capital Outlay budget of \$108,358,748 for the water, sewer and storm water funds. It was originally planned that a proposal would accompany the annual budget to restructure the water rates. However, the Department will continue to finalize and research the impact of possible changes, and a recommendation will be submitted over the next year.

<b>Public Utilities Department 2009-10</b>				
<b>Water, Sewer, Storm Water Budgets</b>				
	Amended	Proposed		
	2008-09	2009-10	Difference	% Change
<b>Revenue &amp; other sources</b>				
Services Revenue	\$ 71,977,000	\$ 71,802,000	\$ (175,000)	-0.2%
Interest Income	1,000,000	770,000	(230,000)	-23.0%
Impact Fees	1,050,000	1,050,000	-	0.0%
Use of cash reserves	27,666,341	30,136,298	2,469,957	8.9%
Other Various Revenue Sources	4,541,000	4,600,450	59,450	1.3%
<b>Total revenue &amp; other sources</b>	<b>\$106,234,341</b>	<b>\$108,358,748</b>	<b>\$2,124,407</b>	<b>2.0%</b>
<b>Expenses</b>				
Salaries, wages & benefits	\$ 24,896,265	\$ 24,855,469	\$ (40,796)	-0.2%
Materials & supplies	3,741,080	4,036,505	295,425	7.9%
Charges for services	29,311,696	29,922,214	610,518	2.1%
<b>Total operating expenses</b>	<b>\$ 57,949,041</b>	<b>\$ 58,814,188</b>	<b>\$ 865,147</b>	<b>1.5%</b>
Capital improvement	35,686,900	39,756,160	4,069,260	11.4%
Vehicles & equipment	6,471,400	4,494,400	(1,977,000)	-30.5%
Debt Services	6,127,000	5,294,000	(833,000)	-13.6%
<b>Total Operating Expenses &amp; Capital Outlay</b>	<b>\$106,234,341</b>	<b>\$108,358,748</b>	<b>\$2,124,407</b>	<b>2.0%</b>

**KEY ISSUES**

- No Rate Increase – None of the budgets for these three funds propose a service rate increase, although they were anticipated in the water and storm water funds. Due to the current economic condition, and the impact to residents and rate payers, including the General Fund, the Administration has elected not to pursue any rate increases this year. Rate increases will be, however, expected in coming years.
- Capital Improvement Budget - Despite the proposal to avoid rate increases for this fiscal year, the three budgets all include capital improvements projects totaling

\$39,756,160, which is an increase over last year of more than \$4 million. According to the information provided by the Administration, there were some projects delayed - namely within the water fund - but overall, funding was maintained with the hopes of having a positive impact on the economy. It is anticipated that projects in coming years will require bond issuance in fiscal years 2012-13 and 2013-14.

- Future Fiscal Impacts – Each of the funds rely heavily on the use of reserve funds to maintain the capital programs. This practice, even with modest rate increases, contributes to a shortfall in future years where needed capital improvements outpace revenues and cash-on-hand. This will be addressed during the department’s presentation.
- No salary increases - In order to hold expenses within the existing budgets, there are no proposed salary increases for employees. However, insurance costs did increase 9% across all three funds. In addition, the Department is proposing a cut of 3 FTEs between the water and sewer funds.

## **QUESTIONS FOR CONSIDERATION**

1. The Council may wish to discuss the decision to delay rate increases across the three funds. A delay this year may result in higher rate increases in the future. For consideration, the Council could request some examples of the impact to customers if a rate increase were implemented this year.
2. The Council may wish to discuss how funds would be used if rate increases were imposed in the coming fiscal year.

For a more detailed view of each fund’s budget, please see the following pages.

## WATER UTILITY BUDGET, 2009-10

The operating budget for the Water Enterprise Fund for fiscal year 2008-09 is proposed to be \$43,463,179, which is an increase of \$957,091, or 2.3%.

<b>WATER FUND PROPOSED BUDGET</b>				
	Amended 2008-09	PROPOSED 2009-10	Difference	Percent Change
<b>Revenue &amp; other sources</b>				
Charges for services	\$ 50,232,000	\$ 50,057,000	(175,000)	-0.3%
Interest income	450,000	370,000	(80,000)	-17.8%
Inter-fund charges	2,308,000	2,389,450	81,450	3.5%
Sale of used equipment	50,000	50,000	-	0.0%
Impact fees	500,000	500,000	-	0.0%
Grants and Other related revenues	905,000	905,000	-	0.0%
Bond proceeds	-	-	-	
Use of cash reserves	18,166,388	16,320,189	(1,846,199)	-10.2%
<b>Total revenue &amp; other sources</b>	<b>\$ 72,611,388</b>	<b>\$ 70,591,639</b>	<b>(2,019,749)</b>	<b>-2.8%</b>
<b>Expenses</b>				
Salaries, wages & benefits	\$ 16,321,254	\$ 16,313,790	(7,464)	0.0%
Materials & supplies	2,323,370	2,702,495	379,125	16.3%
Charges for services	23,861,464	24,446,894	585,430	2.5%
<b>Total operating expenses</b>	<b>\$ 42,506,088</b>	<b>\$ 43,463,179</b>	<b>957,091</b>	<b>2.3%</b>
Capital improvement	23,116,900	22,376,160	(740,740)	-3.2%
Vehicles & equipment	3,396,400	1,993,300	(1,403,100)	-41.3%
Debt Service	3,592,000	2,759,000	(833,000)	-23.2%
<b>Total Operating Expenses &amp; Capital Outlay</b>	<b>\$ 72,611,388</b>	<b>\$ 70,591,639</b>	<b>(2,019,749)</b>	<b>-2.8%</b>

The key points reflected in the proposed budgets for the Water Fund include:

### **Revenue Items:**

- Water Rate Revenue (decrease of \$175,000) – Although there are no proposed changes to the rates or rate structure, there is a possible decrease of rate revenue due to the likely approval of the Green Ditch contract. (The Council may recall a February briefing regarding a grant application for the Big Cottonwood Tanner / Green Ditch conservation and fire flow projects. The contract changes result in switching the irrigation water from an open canal delivery system, to water lines, and a voucher system. This may result in reduced revenue.)
- Use of Reserve Funds – \$16,320,189 of reserve funds will be used toward capital projects this year. This is a decrease of \$1,846,199 from last year. The cash balance after use of these reserve funds will be \$8,667,703, which is the lowest in several years.  
Normally, the department uses rate increases to fund a healthy portion of the planned

capital projects. Without a rate increase this year, reserves will cover 73% of the \$22 million in capital improvements projects.

- Other Revenue Items – Other minor changes in revenue items include the anticipated decrease in interest revenue due to lower interest rates and lower cash balances. Also, reimbursements from the sewer and storm water funds for bill processing and customer services.

**Operating Expense Items:**

- Purchase of Water from Metropolitan Water District – The largest increase to operating expenses is due to the purchase price for water from the Metropolitan Water District. For the proposed fiscal year, the rate per acre foot will increase to \$213, which is a \$13 increase per acre foot over last year and results in an increase to the budget of \$624,000. This will allow the Department to purchase 48,000 acre feet of water, which is keeping with the average over the past several years. The Department anticipates purchasing an average of 48,000 acre feet over the next several years, and in 2010 that amount may increase. The MWD has raised the rates for the past several years and anticipates rate increases in the coming years as well.

<b>Year</b>	<b>Historical Rate (per acre foot)</b>	<b>Future Planned Rates</b>
2004-05	\$150	
2005-06	\$163	
2006-07	\$175	
2007-08	\$188	
2008-09	\$200	
2009-10		\$213 (6.5%)
2010-11		\$219 (3%)
2011-12		\$226 (3%)

- Annual assessments for the Metropolitan Water District Capital Improvements – In addition to the purchase of water, the department pays a \$7 million assessment for Metropolitan Water District capital improvements. These payments continue in 2009-10, and will continue for the next 24 years. Sandy City is also making assessment payments to the Metropolitan Water District for their share of project costs.

The Metropolitan Water District budget is set by the Metro Water District Board. The Council will have the opportunity to review the budget and give feedback, but does not approve the budget.

- Personal Services – overall decrease of \$7,464

- Staffing Adjustments (decrease of \$133,000) – There are two proposed FTE reductions within the water fund through attrition. One position is a Water Treatment Plant Assistant Manager and the other is a meter reading position. In addition to these reductions, there were some positions reallocated to the sewer and storm water funds.
- Salary adjustments (no change) – The Department is not proposing a salary increase for their employees this year. The City Council can adjust the salary budget following its salary decisions. Most of the Department’s employees (77%) are 100 and 200 series employees with pay increases negotiated between the City and the American Federation of State County & Municipal Employees Local 1004 (AFSCME).
- Insurance & Benefit adjustments (increase of \$196,648) – Insurance benefits are anticipated to increase citywide. For the Water Fund, an anticipated 9% or \$196,648 has been budgeted. The department’s employees pay the same share of the insurance monthly premiums as general fund employees. In the event that the Administration proposes an increase from the 5% that employees currently pay, this item may change.
- Reclassifications (decrease of \$71,112) – During the current fiscal year, there were some reclassifications for 100 and 200 series employees. This decrease in next fiscal year adjusts for the reclassifications made in the current fiscal year.
- Materials and Supplies (increase of \$379,125 or 16%) – The increase is mostly due to an increase in treatment plant chemicals of \$252,000. The balance of the increase is due to various smaller increases in repair materials, lab supplies, postage, forms and printing costs, and maintenance supplies. There are various reductions to computer supplies and other miscellaneous items.
- Charges for Services (increase of \$585,430 or 2.5%) – Charges for services is budgeted to increase by 2.5% largely due to the increase in cost of water from the Metropolitan Water District already discussed. The other larger changes include:

	<u>Increase / (Decrease)</u>
• Utility Costs	\$ 91,630
• Professional / Tech Services	86,000
• Other various	21,800
• Capitalizing barricade costs	(100,000)
• Fleet - repair costs*	(65,000)
• Utah Lake costs	(65,000)

\*There is no decrease in fleet costs related to fuel, because the department did not adjust its fuel budget last year when the Administration made last minute changes.

### **Capital Budget**

The following is included in the budget for capital improvements and purchases for fiscal year 2009-10.

- Capital Outlay – Vehicles & Equipment (decrease of \$1,403,100 or 41%) - The \$1,993,300 budgeted for capital purchases represents a significant decrease, but still

allows the department to replace the necessary vehicles and make treatment plant purchases as needed. For vehicles, some necessary heavy equipment replacements will be made, and other vehicles will be replaced with an emphasis on fuel efficiency. All in all, about 20 vehicles will be purchased and replaced. There are other decreases in treatment plant, pump, and other types of equipment purchases.

- Continuation of the existing capital improvement program – This budget of \$22.4 million is in addition to the assessments for the Metropolitan Water District capital improvements.

<b>Proposed Capital Improvement Program</b>	
<b>Water Fund</b>	
	<b>2009-10</b>
Replacement of water lines and hydrants	\$13,561,160
Land Purchases (watershed purchases)	\$ 1,000,000
Reservoirs	\$ 1,350,000
Service Line Replacement & new connection	\$ 2,200,000
Treatment Plants	\$ 755,000
Pumping Plant Upgrades	\$ 740,000
Maintenance Buildings	\$ 140,000
Water meter replacement	\$ 500,000
Meter change out program	\$ 800,000
Culverts, flumes & bridges	\$ 300,000
Landscaping	\$ 175,000
Wells	\$ 825,000
Water stock purchases	\$ 30,000
<b>Total Capital Improvement Program</b>	<b>\$22,376,160</b>

The Department has slightly decreased the budget for Capital Improvement projects by \$740,740.

- Waterline replacement program – The Department plans to replace 68,748 linear feet of pipe in 2009-10. The \$1.4 million for the Big Cottonwood Tanner and Green Ditch fire protection improvement projects are budgeted with the waterline replacements. In the event that the \$300,000 in grant funds are awarded toward the BCT project, that would free up money for other replacements.
- Water meter replacement program – As water meters age, they begin to inaccurately measure water use (under read). The Department has determined that it is cost effective to replace meters that are 15 years old. During the past five years, the Department has replaced 59,000 meters with about 19,000 of these being radio reading devices. Radio-read meters cost about \$140 more than regular meters and have a battery life of 8 to 10 years.
- Future Bonding – Some larger projects scheduled for coming years include: \$4.7 million for a new water reservoir, \$3 million for pump station upgrades, \$2 million for well rehabilitation, and \$300,000 for culverts. It is anticipated that bonds would be issued for these projects.

## **QUESTIONS FOR CONSIDERATION**

1. The Council may wish to ask about projects or purchases that will be funded with the watershed fee revenue.

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### *Additional Information*

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## **WATER BACKGROUND**

Salt Lake City's water delivery system to City and County residents depends on a complex network of dams, aqueducts, water treatment plants, distribution reservoirs, and water mains. Upkeep and maintenance of older systems and construction of new systems is very costly. The Department of Public Utilities has over 90,000 water service connections. The Department maintains treatment plants, wells, reservoirs, 1,190 miles of water mains, and 201 miles of conduit and supply lines.

Reclaimed and secondary water – The Department completed a water efficiency study in May 2002, which reviewed public green spaces and analyzed the cost effectiveness of implementing secondary water uses. The Department has hired an engineering consultant firm to determine the required water standards for the most likely customers and to identify the treatment processes to implement water reuse. The study will identify the capital projects required to implement water reuse. Pursuant to the City Council's "Legislative Intent" several years ago the Department of Public Utilities is moving forward with a wastewater reuse project at the Water Reclamation Plant for irrigation and industrial uses. This project will provide treated sewage effluent to over 424 acres of green space located near the treatment facility, including parks, golf course and new sports complex. This water will be treated and disinfected to meet public contact standards. The report noted that there was secondary water available from Utah Lake through the Jordan and Salt Lake City Canal on the City's eastside. The report noted the costs of constructing a dual secondary water system in established areas of the city and indicated that treating this source of water to remove dissolved salts, solids, odors and algae necessary to bring Utah Lake water to a level suitable for sprinkler irrigation was not cost effective at this time. It was recommended that secondary water systems be installed in growth areas (Northwest Quadrant). The most promising secondary water project was to reuse wastewater effluent at the City's Water Reclamation Plant located at 2300 north, west of I-15. The Department of Public Utilities is moving forward with this project.

## **LEGISLATIVE INTENT STATEMENTS**

The Council did not issue any legislative intent statements last year relating to the Water Fund.

*During the briefing on the proposed budget, the Council may wish to identify legislative intents relating to the Department of Public Utilities.*

*During the briefing, the Council may wish to identify potential programs or functions to be added to the Council's list for future audits.*

## SEWER UTILITY BUDGET, 2009-10

The operating budget for the Sewer Fund for fiscal year 2009-10 is proposed to be \$11,525,840 which is an increase of \$10,988 or 0.1% over fiscal year 2008-09. The capital budget, including debt service, is proposed to be \$17,424,100.

<b>SEWER FUND PROPOSED BUDGET</b>				
	Amended 2008-09	PROPOSED 2009-10	Difference	Percent Change
<b>Revenue &amp; other sources</b>				
Sewer service fees	\$ 16,500,000	\$ 16,500,000	\$ -	0.0%
Interest income	400,000	250,000	(150,000)	-37.5%
Permits	85,000	85,000	-	0.0%
Impact fees	350,000	350,000	-	0.0%
Other	667,000	645,000	(22,000)	-3.3%
Use of cash reserves	6,556,852	11,119,940	4,563,088	69.6%
<b>Total revenue &amp; other sources</b>	<b>\$ 24,558,852</b>	<b>\$ 28,949,940</b>	<b>\$ 4,391,088</b>	<b>17.9%</b>
<b>Expenses</b>				
Salaries, wages & benefits	\$ 6,849,872	\$ 6,764,583	\$ (85,289)	-1.2%
Materials & supplies	1,306,010	1,221,310	(84,700)	-6.5%
Charges for services	3,358,970	3,539,947	180,977	5.4%
<b>Total Operating Expenses</b>	<b>\$ 11,514,852</b>	<b>\$ 11,525,840</b>	<b>\$ 10,988</b>	<b>0.1%</b>
Capital improvement	8,662,000	13,090,000	4,428,000	51.1%
Vehicles & equipment	2,447,000	2,399,100	(47,900)	-2.0%
Debt Services	1,935,000	1,935,000	-	0.0%
<b>Total Operating Expenses &amp; Capital Outlay</b>	<b>\$ 24,558,852</b>	<b>\$ 28,949,940</b>	<b>\$ 4,391,088</b>	<b>17.9%</b>

The key points reflected in the proposed budgets for the Sewer Fund include:

### **Revenue Items:**

- No Rate Increase – There are no proposed rate increases for this fiscal year. The Department is not anticipating a rate increase until 2011-12, which will be tied to treatment plant projects.  
Rate revenue is based on the water usage during winter months, since that is generally the usage attributable to showers, dishwashers, etc. (which constitutes waste water). Therefore, these revenues are generally tied to the rate of users' conservation.
- Interest Income (decrease \$150,000) – adjustment to due to lower interest rates and the lower cash balances.
- Use of Reserve Funds - \$11,119,940 in reserve funds will be used toward capital projects, which is an increase of 69% or \$4,563,088 over last year.

### **Operating Expense Items:**

- Personal Services – overall decrease of \$85,289



- Staffing Adjustments (\$50,112 decrease) – There is a proposed cut of 1 FTE, a waste water maintenance supervisor at the Reclamation Plant. This will be achieved through attrition. There is also a reallocation of some functions from the water fund.
- Salary adjustments – There is no proposed salary increase for department employees. The City Council can adjust the salary budget for the Sewer Fund following its salary decisions. Most of the Department’s employees (77%) are 100 and 200 series employees with pay increases negotiated between the City and the American Federation of State County & Municipal Employees Local 1004 (AFSCME).
- Insurance & Benefit Adjustments – The Department is budgeting for an increase of 9% to insurance benefits and taxes of \$79,404. As with the other funds, the department’s employees pay the same share of the insurance monthly premiums as general fund employees. In the event that the Administration proposes an increase from the 5% that employees currently pay, this item may change.
- Reclassifications (decrease of \$114,581) – During the current fiscal year, there were some reclassifications for 100 and 200 series employees. This decrease in next fiscal year adjusts for the reclassifications made in the current fiscal year.
- Materials and Supplies (overall decrease of \$84,700) – There is an anticipated decrease in sewer chemicals, building supplies, small tools, plus other miscellaneous reductions.
- Charges for Services (overall increase of \$180,977) – This increase is largely due to \$160,000 for an audit of the sewer billing charges.

**Capital Budget**

The proposed budget reflects a total capital budget of \$17,424,100 for capital improvement projects, vehicle & equipment purchases, and debt service.

- Capital Improvement Projects (increase of \$4.4 million)

<b>Proposed Capital Improvement Program</b>	
<b>Sewer Fund</b>	
	<b>2009-10</b>
Collection Lines	\$ 7,165,000
Treatment Plant	\$ 5,260,000
Maintenance & repair shops	\$ 615,000
Landscaping	\$ -
Lift Stations	\$ 50,000
<b>Total Capital Improvement Program</b>	<b>\$13,090,000</b>

- The upgrades to the Reclamation Plant continue, including \$4 million for replacement of a digester roof, bafflers for the secondary clarifier, plus other equipment.

- More significant plans will likely require a bond issue in 2012-13. The projects will include a new primary clarifier, alternative disinfection, and a mechanical dewatering system.
- Last year, the Department began a “Sewer Master Plan Study”. This year is the second year of the study. The budget includes \$400,000 for this second year, and the study will focus on major trunk lines in the City, with a continued emphasis on the Northwest Quadrant of the City. The study will look at growth and changes citywide for future planning purposes.
- Last year, the Department had planned a more major renovation of the Maintenance & Repair Shop. The work was delayed until this year for energy reviews, and this year’s budget includes the project for \$615,000 for the heating and air conditioning in the lab, a new security system, and a new roof.
- Vehicle & Equipment Purchases (\$47,900 decrease) – The \$2,399,100 budget for capital outlay will include \$979,000 in heavy machinery and field maintenance equipment, \$623,100 in non-motive equipment such as pipeline profiler equipment, \$550,000 in treatment plant equipment, \$172,000 in vehicle purchases, and other miscellaneous items.

## **QUESTIONS FOR CONSIDERATION**

1. The Council may wish to ask for more information about the planned upgrades to the sewer treatment plant, and how the current upgrades fit together with future bond projects.

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### *Additional Information*

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## **SEWER FUND BACKGROUND**

The Department of Public Utilities has over 49,340 sewer connections. The Sewer Fund maintains 641 miles of sanitary sewer pipe and connection lines. The reclamation plant treats an average of 35,000,000 gallons of sanitary sewer per day. Maintaining the sewer lines and operating the lift stations and reclamation plant is accomplished with 99.9 employees. Effective January 1, 2001, sewer fees are based on discharge strength as well as volume. Approximately 2,500 of the 49,340 accounts are charged an additional fee because they discharge sewage with strengths greater than domestic or residential sewer flows. This change sets rates so that residential customers or commercial customers with domestic discharges do not subsidize customers with greater than domestic strength discharges. This rate structure encourages businesses to reduce discharge strengths.

## **LEGISLATIVE INTENT STATEMENTS**

No legislative intent statements are outstanding for the Sewer Fund.

*During the briefing on the proposed budget, the Council may wish to identify legislative intents relating to the Department of Management Services.*

*During the briefing, the Council may wish to identify potential programs or functions to be added to the Council’s list for future audits.*

## STORM WATER UTILITY BUDGET, 2009-10

The operating budget for the Stormwater Fund for fiscal year 2009-10 is proposed to be \$3,825,169, which is a decrease of \$102,932 or 2.62% over fiscal year 2008-09. The capital budget, including debt service, is proposed to be \$4,992,000.

STORMWATER FUND PROPOSED BUDGET				
	Amended 2008-09	Proposed 2009-10	Difference	Percent Change
<b>Revenue &amp; other sources</b>				
Stormwater service fee	\$5,245,000	\$5,245,000	\$0	0.00%
County Flood Control			-	
Interest	150,000	150,000	-	0.00%
Impact fees	200,000	200,000	-	0.00%
Systems constructed by developers	516,000	516,000	-	0.00%
Other revenue	10,000	10,000	-	0.00%
Use of reserves	2,943,101	2,696,169	(246,932)	-8.39%
<b>Total revenue &amp; other sources</b>	<b>\$9,064,101</b>	<b>\$8,817,169</b>	<b>(\$246,932)</b>	<b>-2.72%</b>
<b>Expenses</b>				
Salaries, wages & benefits	\$1,725,139	\$1,777,096	\$51,957	3.01%
Materials & supplies	111,700	112,700	1,000	0.90%
Charges for services	2,091,262	1,935,373	(155,889)	-7.45%
<b>Total operating expenses</b>	<b>\$ 3,928,101</b>	<b>\$ 3,825,169</b>	<b>\$ (102,932)</b>	<b>-2.62%</b>
Capital improvement	3,908,000	4,290,000	382,000	9.77%
Vehicles & equipment	628,000	102,000	(526,000)	-83.76%
Debt Service	600,000	600,000	-	0.00%
<b>Total Expenses &amp; Capital Outlay</b>	<b>\$9,064,101</b>	<b>\$8,817,169</b>	<b>(\$246,932)</b>	<b>-2.72%</b>

The key points reflected in the proposed budget for the Storm Water Fund include:

### **Revenue Items:**

- No rate increase – A rate increase is not proposed, but is likely next fiscal year for 3%. Salt Lake City has not raised its storm water rate since the program's start in 1990. Next year's rate increase would support cash reserve levels for capital improvement projects.
- Use of reserves – There is a reduction of \$245,932 in the amount of reserve funds anticipated to be used toward capital projects.

### **Operating Expense Items:**

- Personal Services (increase \$51,957) – There are no proposed salary increases for employees within the storm water fund. However, as with the other utility funds, an insurance premium increase of 9% or \$20,820 is expected. The City Council can adjust the salary budget following its salary decisions. Most of the Department's employees (77%) are 100 and 200 series employees with pay increases negotiated

between the City and the American Federation of State County & Municipal Employees Local 1004 (AFSCME).

- Charges for Services (decrease of \$155,889) –
  - Riparian Corridor Study – 1<sup>st</sup> Phase Complete (decrease of \$175,000) – A large portion of the “Charges for Services” budget is for the Riparian Corridor Study. \$600,000 was budgeted in fiscal year 2008-09, and Phase 1 has been completed on Emigration and Red Butte Creeks.
  - This decrease is offset by an increase of \$20,000 for water use, and other minor changes.

**Capital Budget**

The proposed budget reflects a total capital budget of \$4,992,000 for capital improvement projects, vehicle & equipment purchases, and debt service. This is a decrease of \$144,000 from last year.

- Capital Improvement Projects (increase of \$382,000)

The proposed budget reflects a capital improvement budget of \$4,290,000 for fiscal year 2009-10, which is a 9.7% increase from last year.

<b>Proposed Capital Improvement Program</b>	
<b>Storm Water Fund</b>	
	<b>2009-10</b>
Collection Lines	\$ 3,940,000
Lift Stations	\$ 100,000
Land	\$ 250,000
<b>Total Capital Improvement Program</b>	<b>\$4,290,000</b>

The proposed \$4,290,000 budget for capital improvement projects is an increase of \$382,000 from last year’s amended budget.

- Vehicle & Equipment Purchases (\$526,000 decrease) – This year’s proposed capital equipment budget anticipates spending \$102,000 on one vehicle and one dump truck.

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*Additional Information*

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**STORM WATER BACKGROUND**

The Department of Public Utilities maintains over 460 miles of stormwater pipe and collection lines using 26.3 employees. It was 1991 when the General Fund transferred the entire storm drain system under Public Utilities management. July 1991 began the implementation of a new stormwater fee based on surface area. Since that time, there have been no rate increases; no public tax dollars have been used to help the system. Storm water employees also monitor the snow pack water content and manage the storm water permit process.

## **LEGISLATIVE INTENT STATEMENTS**

Storm Water Education – It is the intent of the City Council that the Department of Public Utilities propose additional education efforts to inform the public about illegal dumping in storm drains. Additional efforts could include, but are not limited to, increasing signage in neighborhoods and recommendations to adjust fines. (Adopted June 2008)

*During the briefing on the proposed budget, the Council may wish to identify legislative intents relating to the Stormwater Fund.*

*During the briefing, the Council may wish to identify potential programs or functions to be added to the Council's list for future audits.*


JEFFRY T. NIERMEYER  
DIRECTOR

# SALT LAKE CITY CORPORATION

DEPARTMENT OF PUBLIC UTILITIES  
WATER SUPPLY AND WATERWORKS  
WATER RECLAMATION AND STORMWATER

RALPH BECKER  
MAYOR


## COUNCIL TRANSMITTAL

  
David Everitt, Chief of Staff

Date received: By Steven Bory  
Date Sent to Council: MARCH 23, 2009

**TO:** Carlton Christensen  
City Council Chair

**DATE:** March 16, 2009

**FROM:** Jeffry T. Niermeyer, Director of Public Utilities 

**SUBJECT:** Request for a briefing on proposed Public Utilities budget for 2009-2010.

**STAFF CONTACT:** Jim Lewis, Finance Administrator (483-6773)

**DOCUMENT TYPE:** Budget Request

**RECOMMENDATION:** Approval of 2009-2010 budget

### BUDGET IMPACT:

#### Proposed Budget for 2009-2010

	Operating Cost	Debt Service	Capital	Total
Water Utility	\$43,472,179	\$2,750,000	\$24,369,460	\$70,591,639
Sewer Utility	\$11,525,840	\$1,935,000	\$15,489,100	\$28,949,940
Stormwater Utility	\$3,825,169	\$600,000	\$4,392,000	\$8,817,169
<b>Total</b>	<b>\$58,823,188</b>	<b>\$5,285,000</b>	<b>\$44,250,560</b>	<b>\$108,358,748</b>

### Major budgetary Topics

1. Delay rate changes due to Economic impact on General Fund and customers.
2. Strong capital program will continue for this year.
3. Reduction of 3 FTEs saving \$211,000.

### BACKGROUND/DISSION:

The Public Utilities Advisory Committee on February 26, 2009, recommend to the Mayor the adoption of the proposed budget for 2009-2010. The budget document is attached, listing summary of major budget changes and capital improvement projects proposed for the next five-year period for all three Utility Funds.

Major budgets recommendations are:

**2009 Rates not Changing.**

The Department has decided to delay changing rates so as not to impact customers that are already feeling the pinch of a struggling economy. Although rate changes are planned in the next few years to help keep the utility financially healthy, the increases are only to maintain a strong capital improvement program and to provide uninterrupted service.

**Reduced Three Full-time Employee Position.**

This staff reduction will save the Department \$211,000. This is two water positions, a meter reader and an assistant water plant manager. The Sewer Fund will decrease by one waste water maintenance supervisor. Also as asked by the Mayor, the personal services budget shows a 0% increase from the previous year except for the 9% increase in health benefits.

**Metropolitan Water District.**

Based upon a previously approved rate structure, the wholesale price of water from Metropolitan will increase 6.5% next year. Public Utilities will pay for treated water at a rate of \$213 per Acre Foot up from \$200 this year. Metropolitan water is expected to cost \$624,000 in 09-10.

The Metro approved rate structure for the next five years is:

2010-11	\$219 af	3%	2012-13	\$233 af	3%
2011-12	\$226 af	3%	2013-14	\$240 af	3%
2014-15	\$247 af	3%			

**Sewer Master Plan Study Continues.**

The second phase of the Sewer Collection System Master Plan will cost about \$400,000 and will likely take much of 2009 to complete. The study will provide the Department a management assessment strategy and plan to repair or replace damaged mains and improve existing capacity of the pipes to handle the expected growth in the Salt Lake area.

**Stormwater Riparian Corridor Study.**

This study was started in the 2008-09 budget but is expected to conclude in the 2009-10 budget. The expected budget this year will be about \$300,000 for this second phase. Recommended improvements and financial impact of this study are still too early to predict.

**Fire Protection Improvements.**

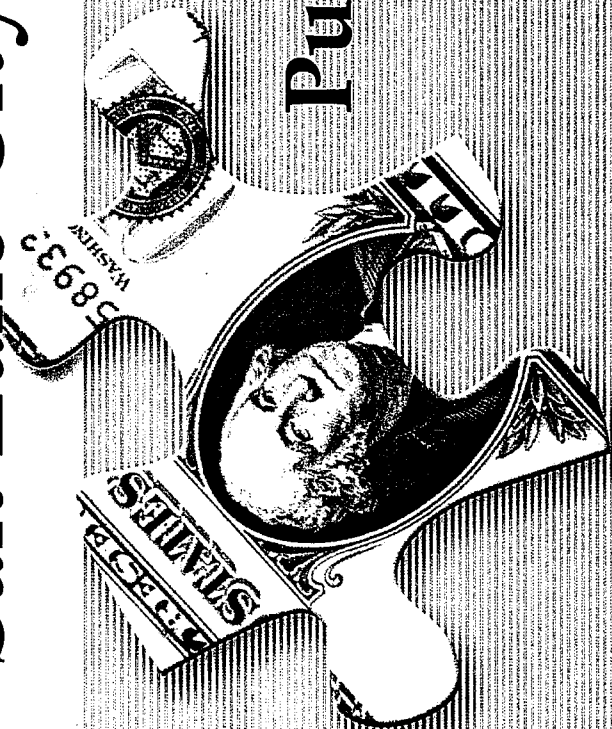
Public Utilities and Green Ditch Irrigation are negotiating an agreement that will be similar to their sister Big Cottonwood Tanner Ditch Irrigation Company. This would resolve water rights disputes and fire protection issues to improve public safety and water service for this part of the City's water service area. The Water Utility has budgeted \$8 million to complete these projects.

**Maintain Strong Capital Improvement Program in all Fund.**

The goal of the Department is to replace the following lengths of deteriorated pipe:

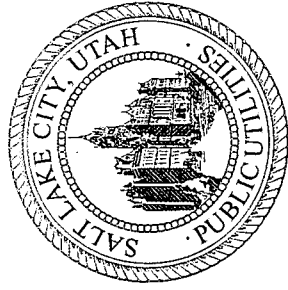
- Water- 68,748 linear feet of pipe
- Sewer- 20,387 linear feet of pipe
- Storm- 11,900 linear feet of pipe

# Salt Lake City Corporation



## Salt Lake City Public Utilities Department Recommended Budget 2009-2010

**Keep It Pure™**  
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*As of March 12, 2009*



**SALT LAKE CITY PUBLIC UTILITIES  
BUDGET FOR FISCAL YEAR 2009 - 2010**

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*Public Utilities  
Review & Approval*

*Jeffrey T. Niermeyer*  
Jeffrey T. Niermeyer, Director

*Dick Gaddis*  
Dick Gaddis PUAC, Chairman

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## **2009-2010 Executive Summary**

### **◆ Department Budget Issues, Objectives and Goals**

With the impact of the economy in the past few months, the Department re-examined its needs and future strategy as the budget both affects the rate payers and general City Government. This proposed budget has been prepared to have as little an impact on the public and general City Government as possible. Managers were asked to provide a budget that will continue to give a top quality product and service but with an eye to cost cutting measures and value added principles.

Highlights of the current budget proposal include:

- Delay rate increases to Water, Sewer and Stormwater because of economic sensitivity.
- Eliminate three full time positions through attrition.
- Cost of buying Metropolitan's water increases \$624,000.
- \$400,000 Continuation of Sewer Master Plan capacity study.
- \$300,000 Continuation of Riparian Corridor Study.
- Fire protection upgrade of pipe size and system pressure for \$8 million.
- Maintain replacement level of capital program for all funds.

## 2009/2010 RECOMMENDED BUDGET

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### **2009 Rates not Changing.**

The Department has decided to delay changing rates this year to avoid impacting customers that are already feeling the pinch of a struggling economy. Although rate changes are planned in the next few years to help keep the utility financially healthy, the increases are designed to maintain a strong capital improvement program and to provide uninterrupted service. Bond issues will be needed in the near future to handle some of the very large capital improvements that can be funded in no other way. Increased rates will be required to pay the additional debt financing anticipated in the future years.

### **Possible Rate Increases for Future Years.**

Proposed future rates could be as follows:

<b>Future Planned Rate Increases</b>			
<b>Fiscal Year</b>	<b>Water</b>	<b>Sewer</b>	<b>Stormwater</b>
2010/11	7%	0%	3%
2011/12	7%	4%	3%
2012/13	8%	4%	3%
2013/14	8%	4%	3%

### **Reduced Three Full-time Employee Position.**

This staff reduction will save the Department \$211,000. The reduction will consist of two water positions, a meter reader, an assistant water plant manager and one Sewer position, a waste water maintenance supervisor.

### **Metropolitan Water District.**

Based upon a previously approved rate structure, the wholesale price of water from Metropolitan will increase 6.5% next year. Public Utilities will pay for treated water at a rate of \$213 per Acre Foot (AF) up from \$200 this year. Metropolitan water is expected to cost an additional \$624,000 in 09-10.

The Metro approved rate structure for the next five years is:

2010-11	\$219 af	3%	2012-13	\$233 af	3%
2011-12	\$226 af	3%	2013-14	\$240 af	3%
2014-15	\$247 af	3%			

### **Sewer Master Plan Study Continues.**

The Sewer Collection System Master Plan will cost about \$400,000 in FY 09/10 and will be completed in late fall 2009. The study will provide the Department a condition assessment strategy and asset management plan to repair or replace damaged mains and improve existing capacity of the pipes to handle the expected growth in Salt Lake City.

# 2009/2010 RECOMMENDED BUDGET

## Stormwater Riparian Corridor study.

This study was started in the 2008-09 budget but is expected to conclude in the 2009-10 budget. The expected budget this year will be about \$300,000 for FY 09/10 phase. Recommended improvements and the financial impact of this study are still too early to predict.

## Fire Protection Improvements.

Public Utilities and Green Ditch Irrigation are negotiating an agreement that will be similar to the Big Cottonwood Tanner Ditch Irrigation Company. This would resolve water right disputes and fire protection issues to improve public safety and water service for this part of the City's water service area. The Water Utility has budgeted \$8 million (\$4 million for the Tanner Project and \$4 million for Green Ditch) to replace water lines that will increase water volume and pressure by replacing small size waterlines in the affected service area. This settlement will resolve water rights and provide an allocation of unbilled water to Green Ditch shareholders.

## Maintain Strong Capital Improvement Program in all Fund.

The goal of the Department is to replace the following lengths of deteriorated pipe:

- Water- 68,748 linear feet of pipe
- Sewer- 20,387 linear feet of pipe
- Storm- 11,900 linear feet of pipe

The Salt Lake City water distribution system (WDS) is very large (1,190 miles of 12" or smaller distribution lines plus 201 miles of large transmission mains for a total footage of 1,391 miles of pipe in 2008) and complicated (over fifty pressure zones). The service area covers the Salt Lake City corporate boundaries as well as the east side of the Salt Lake valley all the way to the mouth of Little Cottonwood Creek. Figure 1 shows an aging system with corrosion and other factors that affect the competency of the water pipes. There is a continual need to repair and replace bad pipe segments to maintain service and reduce emergency break repair costs and impacts to the public. Figure 2 shows that 90 miles of water main were replaced in the last ten years.

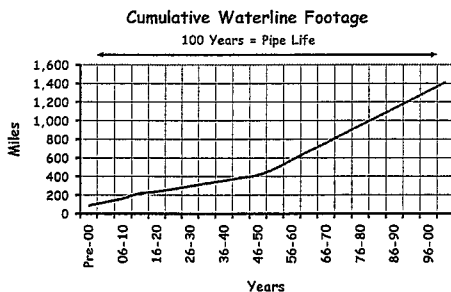


Figure 1. Pipeline Age for the Salt Lake City Water Distribution System

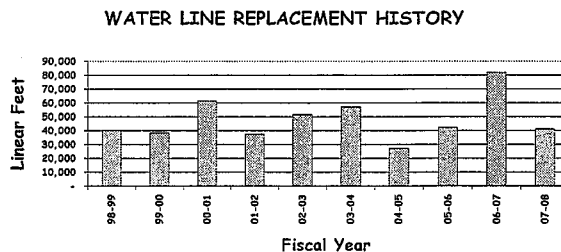


Figure 2. Water System Repair and Replacement Program

# 2009/2010 RECOMMENDED BUDGET

The sewer collection system is a very corrosive environment with hydrogen sulfide gases, sediment, roots and other factors that affect the competency of the pipes. With this type of environment there is a continual need to repair and replace bad pipe segments. More than 50% of the sewer collection system is more than 75 years old (Figure 3). The goal for Sewer is to rehab at least 0.6% of our old pipe system every year (Figure 4).

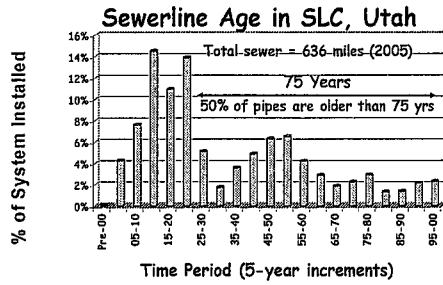


Figure 3. Pipeline Age for the Salt Lake City Sewer Collection System

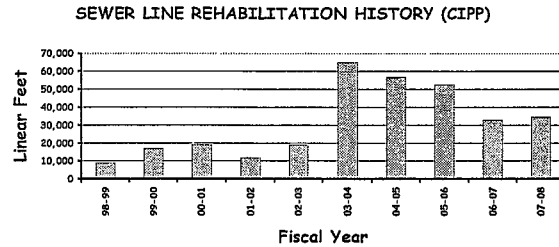


Figure 4. Sewer System Restoration Program

The last Drainage Master Plan was completed in 1993. The projects identified in the Master Plan will take at least another 15 years to complete. In the last ten years almost 40 miles of storm drain pipe has been installed (Figure 5). Some of the major projects are listed in Figure 6.

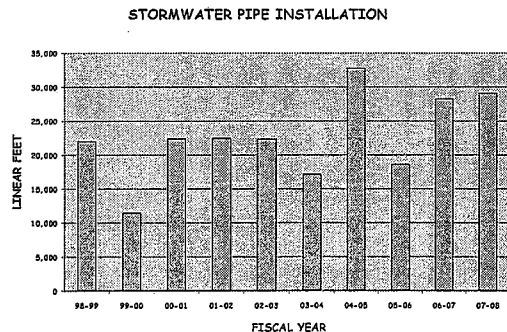
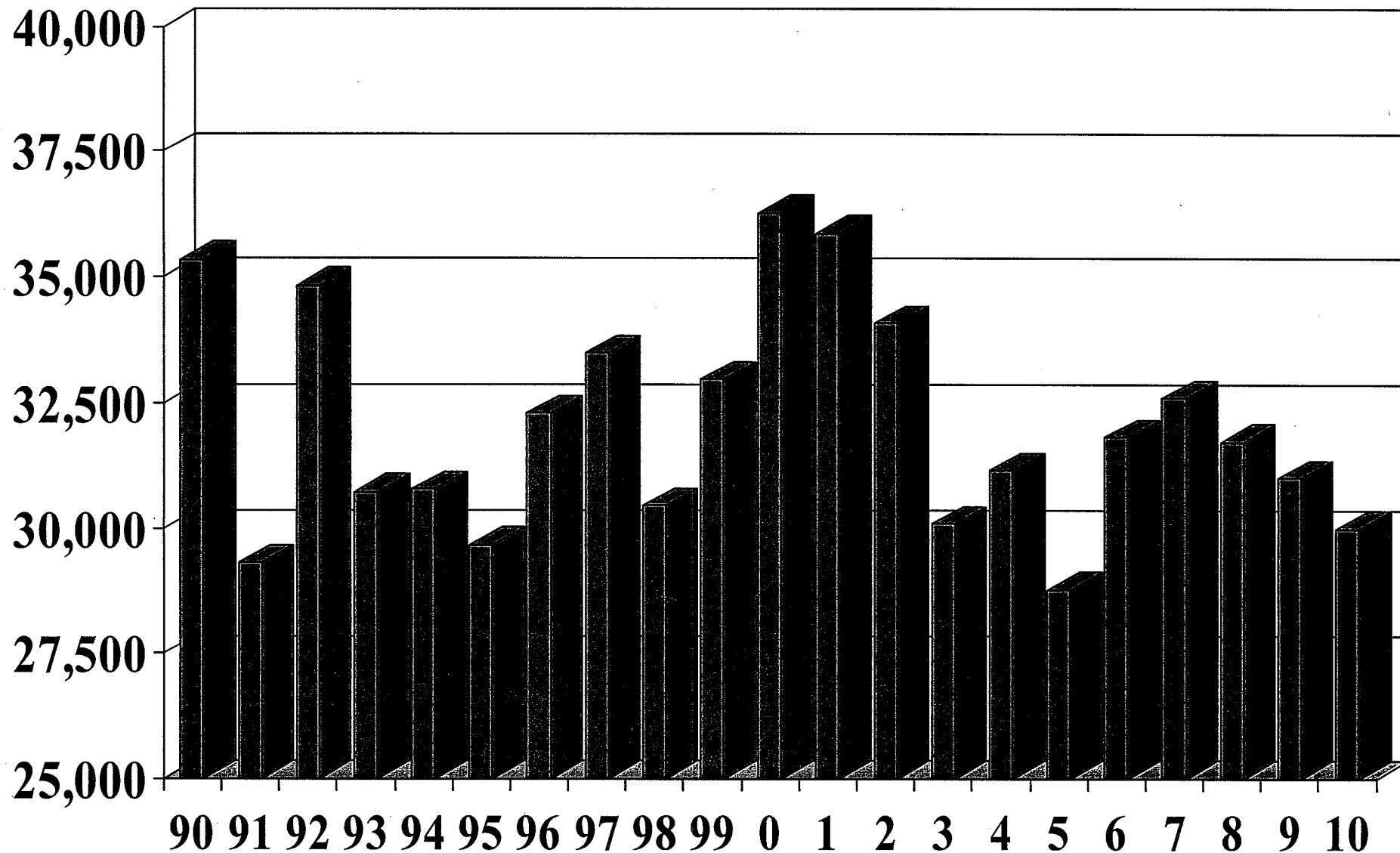


Figure 5. Drainage Pipe Installation History

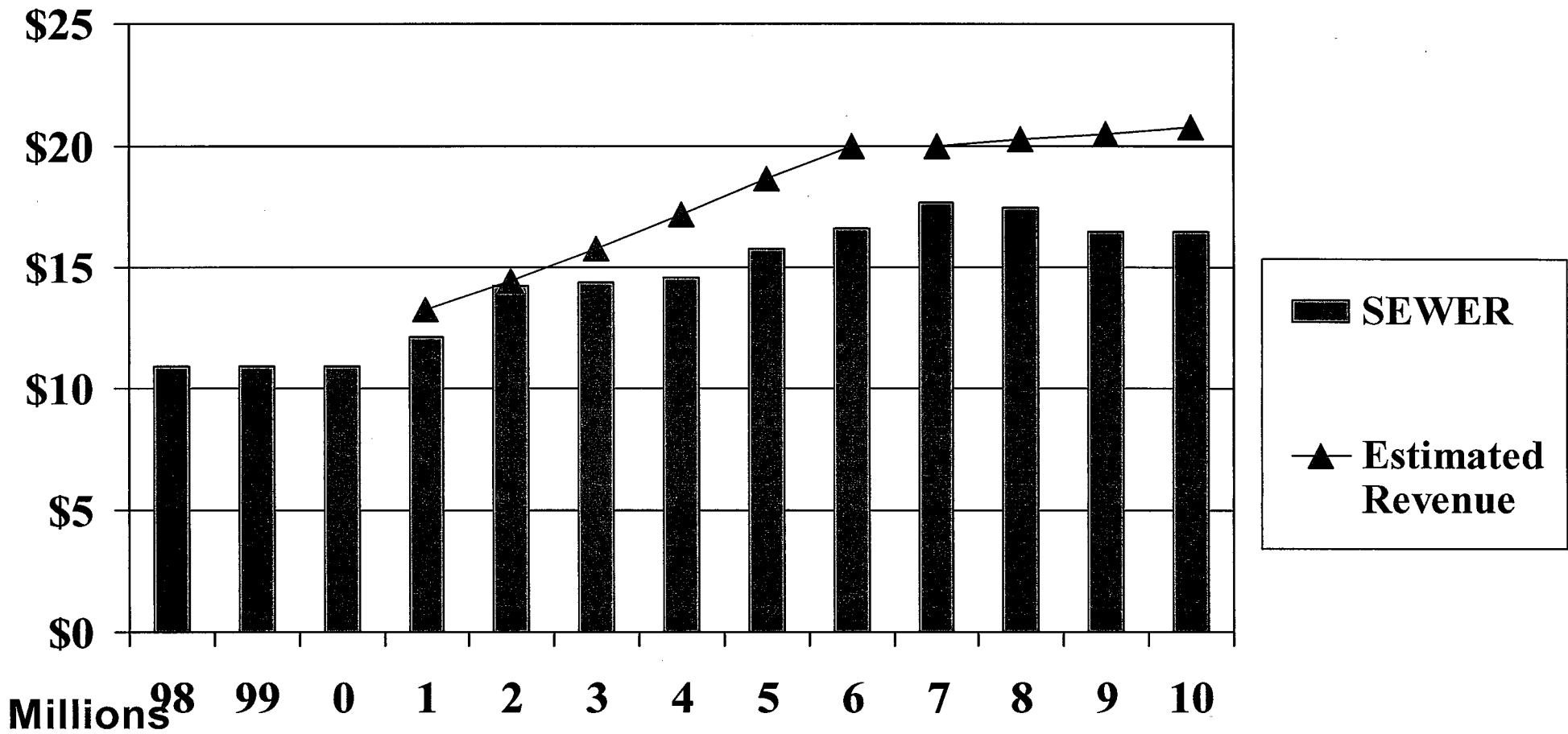
1997	Imperial & 2700 So Storm Drain .....	\$1m
2000	200 So Pump Station Jordan River...	\$850k
2001	Goggin Drain Improvements.....	\$200k
2002	Wilmington Storm Drain.....	\$500k
2006	900 South Storm Drain.....	\$16m
2007	CWA #2 Pump Station.....	\$1.2m
2008	City Creek Diversion .....	\$1.3m
2009	Upgrade Oil Drain Station.....	\$700k
—	Westside Drainage Channels.....	(ongoing)
—	Replace Cross Drains in Av.....	(ongoing)
—	Detention Basin Telemetry .....	(ongoing)

Figure 6. Partial List of Master Plan Projects

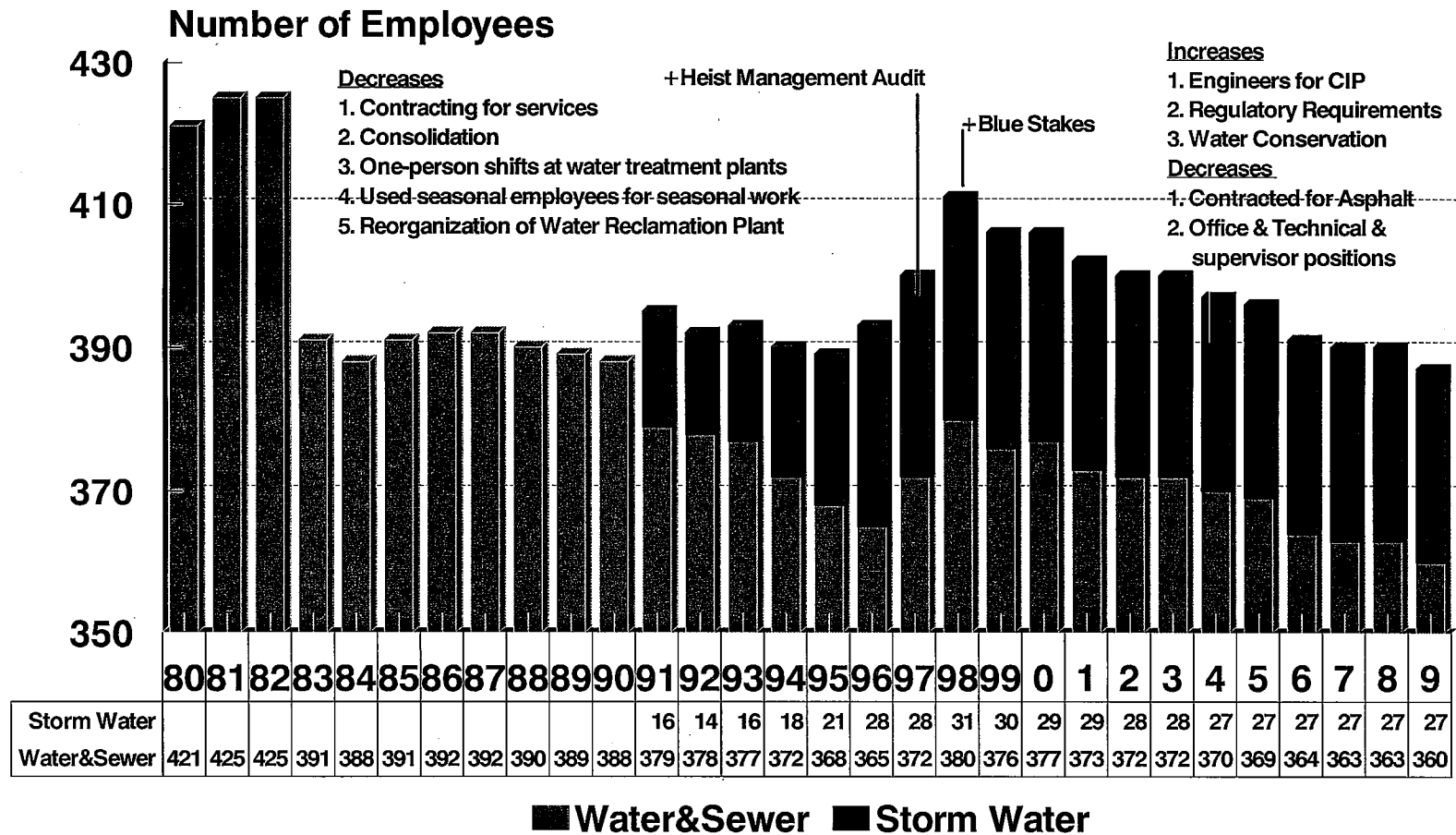
# MILLION GALLONS DELIVERED BY YEAR



# SEWER UTILITY REVENUE BY YEAR



# Public Utilities Number of Employees



Stormwater division transferred to Public Utilities in 1991

STAFFING SUMMARY  
BY FISCAL YEAR  
FULL TIME & FULL TIME EQUIVALENT POSITIONS

APPROPRIATION NUMBER	DESCRIPTION	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	PROPOSED 2010
<i>WATER UTILITY</i>																
5101	SOURCE OF SUPPLY	11.00	11.03	13.23	13.23	12.25	12.25	12.25	12.25	12.75	11.75	11.75	11.75	11.75	11.25	11.25
5103	POWER & PUMPING	11.00	5.40	6.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
5105	PURIFICATION	51.00	45.00	43.00	42.20	47.20	47.20	47.00	47.00	47.50	47.50	47.50	46.70	47.30	46.80	45.80
5107	TRANSMISSION & DISTRIBUTION	141.00	125.45	116.87	109.15	115.35	111.35	109.70	111.70	111.50	111.70	110.70	108.70	109.20	109.20	109.70
5109	SHOPS & MAINTENANCE	48.50	36.35	33.35	29.85	27.35	26.35	32.40	31.40	30.90	30.90	30.90	30.90	29.90	29.90	29.90
5111	CUSTOMER ACCOUNTING & COLLECTIONS	49.50	46.75	52.50	49.00	53.00	52.60	51.55	51.55	50.55	49.55	49.55	48.55	48.55	48.55	46.55
5113	WATER ADMINISTRATION	13.00	7.20	8.50	10.00	14.00	12.00	12.00	11.90	12.40	11.90	11.90	11.90	12.40	12.90	12.90
5113	PUBLIC UTILITIES ADMINISTRATION	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.50
<i>WATER UTILITY TOTAL</i>		325.00	278.18	274.75	257.73	273.45	266.05	269.20	270.10	269.90	267.60	266.60	262.80	263.40	262.90	259.90
<i>SEWER UTILITY</i>																
5220	LIFT STATIONS	5.00	6.00	7.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
5230	COLLECTION SYSTEM	32.00	32.50	28.98	35.80	27.92	31.92	27.45	27.45	27.05	26.50	26.50	26.20	25.95	25.95	26.25
5260	RECLAMATION PLANT	55.00	67.27	62.00	62.40	64.90	64.90	64.90	64.90	63.90	65.90	65.90	65.90	64.50	63.50	62.50
5280	ACCOUNTING & CUSTOMER SERVICE	2.00	4.25	5.00	2.80	1.80	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
5290	SEWER ADMINISTRATION	2.00	2.00	5.00	3.70	3.25	3.25	3.25	2.85	2.60	2.20	2.20	2.20	2.45	3.85	4.50
5290	PUBLIC UTILITIES ADMINISTRATION	0.00	1.00	1.00	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.40
<i>SEWER UTILITY TOTAL</i>		96.00	113.02	108.98	110.50	103.67	107.07	102.60	102.20	100.55	101.60	101.60	101.30	99.90	100.30	99.85
<i>STORM WATER</i>																
5240	STORM WATER MAINTENANCE				12.50	13.25	13.25	12.25	12.25	12.25	12.25	12.25	12.25	12.25	12.25	12.25
5240	STORM WATER ENGINEERING & GIS				4.90	10.08	10.08	10.70	10.70	10.30	9.75	9.75	9.55	9.30	9.30	9.50
5240	STORM WATER ADMINISTRATIVE				2.40	3.15	3.15	3.15	2.65	2.40	2.30	2.30	2.30	2.55	2.65	2.90
5240	STORM WATER QUALITY				1.30	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
<i>STORM WATER TOTAL</i>					21.10	28.68	28.68	28.30	27.80	27.15	26.50	26.50	26.30	26.30	26.40	26.85
<i>PUBLIC UTILITIES TOTAL</i>		421.00	391.20	383.73	389.33	405.80	401.80	400.10	400.10	397.60	395.70	394.70	390.40	389.60	389.60	386.60

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# 2009/2010 RECOMMENDED BUDGET

## WATER UTILITY ENTERPRISE FUND

### SUMMARY OF MAJOR BUDGET ISSUES

The recommended budget for the Water Fund for fiscal year 2009-2010 illustrates a decrease in all expenditures by \$2.02 million or (2.78%).

- Rates will remain unchanged

Water rates have increased every year since 2000. Much of the reason for the increases have centered around replacing the aging infrastructure. The Department has needed to keep revenues growing slightly to pay for increasing costs associated with system infrastructure and debt coverage. The need for improvements is not anticipated to change in the near future, but with the struggling economy, management decided to delay specific projects to reduce costs.

- Cost of purchases from the Metropolitan Water District increases

This budget includes an anticipated increase in the cost of treated water from the Metropolitan Water District with water rates going from \$200 per AF to \$213 per AF with an additional cost of \$624,000.

Metro water rate increases are expected for each of the next five years:

2010-11	\$219 af	3%	2012-13	\$233 af	3%
2011-12	\$226 af	3%	2013-14	\$240 af	3%
2014-15	\$247 af	3%			

### Analysis of Estimated Revenue

An analysis of the estimated revenue contained in the Department's recommended Budget for the Water Fund is as follows.

Revenue	Amended Budget 2008-2009	Proposed Budget 2009-2010	Difference	Percent
Charges for services	\$50,232,000	\$50,057,000	(\$175,000)	-0.35%
Interest	450,000	370,000	(80,000)	-17.78%
Interfund charges	2,308,000	2,389,450	81,450	3.53%
Sale of used equipment	50,000	50,000	0	0.00%
Impact fees	500,000	500,000	0	0.00%
Contributions by Developers	905,000	905,000	0	0.00%
Bond proceeds	0	0	0	0.00%
Use of Reserve Funds	18,166,388	16,320,189	(1,846,199)	-10.16%
<b>TOTAL</b>	<b>\$72,611,388</b>	<b>\$70,591,639</b>	<b>\$ (2,019,749)</b>	<b>-2.78%</b>

## 2009/2010 RECOMMENDED BUDGET

Revenue from Charges for Services: The proposed budget reflects a slight decrease from potentially less water sales as customers continue to conserve and a possible drop in revenue of \$175,000 if the Green Ditch Irrigation contract is approved.

Interest Income: This should decrease as cash is expected to drop because of the continuation of existing projects to finish and the drop in investment returns with falling interest rates.

Interfund Charges and Other Reimbursements: The Water Utility processes bills and handles customer service complaints for the Sewer, Stormwater and the Refuse Fund.

Contributions by Developers: Accounting standards require contributions by developers to be classified as non-operating revenue. Although a conservative figure about half of this amount is expected to be non-cash contributions. This depends on the economy and growth.

Impact Fees: Impact fees are a conservative estimate and are fully dependent on new growth or expansion. Funds obtained are used for projects directly related to the new growth or expansion. No change estimated this year.

Reserve Funds: Without a rate increase the Department expects to draw on over \$16 million of its reserves to pay for continued projects and new projects needed for the water system.

### Analysis of Proposed Expenditures

The expenditure budget for the Department is proposed to decrease by (\$2,019,748) or 2.78% over the 2008 - 2009 budget. The proposed budget for fiscal year 2009 - 2010 by major category is as follows:

Major Expenditure Category	Amended Budget 2008-2009	Proposed Budget 2009-2010	Difference	Percent
Personal services	\$16,321,254	\$16,313,790	\$ (7,464)	-0.05%
Materials and supplies	2,323,370	2,702,495	379,125	16.32%
Charges for services	23,861,464	24,446,894	585,430	2.45%
Debt service	3,592,000	2,759,000	(833,000)	-23.19%
Capital outlay	3,396,400	1,993,300	(1,403,100)	-41.31%
Capital improvement program	23,116,900	22,376,160	(740,740)	-3.20%
<b>TOTAL</b>	<b>\$72,611,388</b>	<b>\$70,591,639</b>	<b>\$(2,019,749)</b>	<b>-2.78%</b>

## 2009/2010 RECOMMENDED BUDGET

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Personal Services: The proposed budget drops <7,464> from last year based on a 0% salary projection along with a 9% insurance increase. This budget also includes the elimination of 2 positions through attrition, saving the Department \$133,000.

Materials & Supplies: The proposed budget for materials and supplies will increase 16% in the amount of \$379,125 for the following reasons:

- Increase in treatment plant chemicals of \$252,000
- Increase in repair materials of \$79,775.
- Increase in lab supplies of \$22,500
- Increase of sand and gravel purchases of \$20,000
- Increase in ground maintenance supplies of \$17,500.
- Increase in postage due to rate increase of \$10,000
- Increase in small tools and equipment of \$3,900
- Increase in special forms, office and building supplies are of \$4,050.
- Decrease in computer supplies and non-motive parts is (\$29,600)
- Other miscellaneous reductions of (\$1,000)

Charges for Services: The Department proposes the following budget changes to the charges for services as it increases \$585,430:

- Increase of \$624,000 for water purchases and treatment from the Metropolitan Water District.
- Increase in utility costs for power and natural gas of \$91,630.
- Increase in professional and technical services of \$86,000.
- Increase in waste disposal costs of \$10,000.
- Increase transfers of costs to the general fund of \$9,000.
- Decrease from capitalizing barricade costs of <\$100,000>.
- Decrease in fleet costs of <\$65,000>.
- Decrease in Utah Lake costs of <\$65,000>.
- Decrease in data process costs of <\$8,000>
- Other various increases of \$2,800.

## 2009/2010 RECOMMENDED BUDGET

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**Capital Outlay:** The proposed Water budget for fiscal year 2009 - 2010 includes capital outlay for the replacement of vehicles and heavy equipment which are worn out and no longer cost effective to maintain, and also to provide better and more fuel efficient vehicles. Although capital outlay is nearly \$1.4 million less than the previous year, the Department is still replacing about 20 vehicles. Based upon core function needs (maintenance, snow travel, etc), most of the replacements are 1/2 ton pickups. The Department reviewed vehicle requirements to reduce both the size and type of vehicle to better suit the Department's needs. Other reductions are mostly in treatment plant equipment, pump equipment and various non-motive equipment.

**Capital Improvement Program:** The Department's proposed CIP budget for fiscal year 2009 - 2010 is \$1 million less than the previous year but still an aggressive proposal despite the changes to the economy. Capital project summary by facility types are as follows:

<b>Proposed Capital Improvement Program for Fiscal Year 2009-2010</b>	
<b>Type of Project</b>	<b>Budget Amount</b>
Replacement of water lines and hydrants	\$13,561,160
Reservoirs	1,350,000
Treatment plants	755,000
Wells	825,000
Maintenance buildings	140,000
Water meter replacement	500,000
Meter change out program	800,000
Culverts, flumes & bridges	300,000
Water stock purchases	30,000
Land purchases	1,000,000
Landscaping & Conservation Projects	175,000
Service Line Replacement & new connection	2,200,000
Pumping Plant Upgrades	740,000
<b>Total 2007-2008 Capital Improvement Program</b>	<b>\$22,376,160</b>

There are no major changes in the water capital budget. Replacement of water lines is still very consistent with last year and includes funding for the Big Cottonwood Tanner and Green Ditch fire protection project which will improve capacity and water pressure in the County service area. This budget will continue the watershed purchase program level of \$1 million appropriated for land purchases. Once again the replacement of service connections, meters and meter change outs is a \$3.5 million program. Reservoir repairs will run \$1.35 million and a new pump station is costing \$500,000 but will be paid for through impact fees.

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# 2009/2010 RECOMMENDED BUDGET

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## SEWER UTILITY ENTERPRISE FUND

### SUMMARY OF MAJOR POLICY ISSUES

The Department's recommended Sewer Utility budget for fiscal year 2009 - 2010 shows an increase in expenditures \$4,391,267 or 17.9%. This breaks down to a \$180,000 increase in operations and the remaining increase is from capital improvements.

- Sewer Reclamation Plant Continues to Upgrade – The major items planned for the plant this year is \$4 million on digester roof replacement and bafflers for the secondary clarifier. Significant changes and upgrades are still planned in 3 years that could require a \$10 million bond issue.
- Trunk Line Master Plan Study Phase II– The \$400,000 in FY 09-10 for this two year study is part of the sewer master plan to examine the major trunk lines in the City with emphasis on the Northwest Quadrant and major trunk lines into the treatment plant. The study will update the capital and O& M needs based on condition of the pipes and capacity needs for growth in Salt Lake City.
- Rates will not increase this Year – Although rates are not changing for the next fiscal year budget, a rate hike is postponed until 2011-12 in preparation of additional treatment plant needs and a \$10 million bond issue that will be needed to continue a strong capital improvement program.

Future Planned Rate Increases	
2009/10	0%
2010/11	0%
2011/12	4%
2012/13	4%
2013/14	4%

## 2009/2010 RECOMMENDED BUDGET

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### Analysis of Revenue

An analysis of the estimated revenue contained in the Mayor's Recommended Budget is as follows.

Revenue	Amended Budget 2008-2009	Proposed Budget 2009-2010	Difference	Percent
Sewer Services Fees	\$16,500,000	\$16,500,000	\$ 0	0.00%
Interest	400,000	250,000	(150,000)	-37.50%
Permits	85,000	85,000	0	0.00%
Other	157,000	135,000	(22,000)	-14.01%
Impact Fees	350,000	350,000	0	0.00%
Contribution by Developers	500,000	500,000	0	0.00%
Sale of Property	10,000	10,000	0	0.00%
Reserve Funds	6,556,852	11,119,940	4,563,088	69.59%
<b>TOTAL</b>	<b>\$24,558,852</b>	<b>\$28,949,940</b>	<b>\$4,391,088</b>	<b>17.88%</b>

### Explanation of revenue

Sewer service fees: With no rate change this year, revenue is expected to remain flat.

Interest Income: Interest income is expected to decrease with the drop in interest rates and less cash to invest.

Permit fees: No change.

Other income: Sewer dumping fees are expected to decrease < \$22,000 >.

Impact Fees: These fees are expected continue at about the same pace as the previous year.

Reserve Funds: Reserve funds of \$11,119,940 will be required to provide the additional financing gap needed to assist with our capital funding. These funds are from prior year earnings and will directly reduce the utilities cash reserves.

## 2009/2010 RECOMMENDED BUDGET

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### Analysis of Expenditures

The expenditure budget for the Department is proposed to increase \$4,391,088 or 17.9% over the 2008 - 2009 budget. As shown below, the increase is driven by capital improvements. The proposed budget for fiscal year 2009 - 2010 by major category is as follows:

Major Expenditure Category	Amended Budget 2008-2009	Proposed Budget 2009-2010	Difference	Percent
Personal services	\$6,849,872	\$6,764,583	\$ (85,289)	-1.25%
Materials and supplies	1,306,010	1,221,310	(84,700)	-6.49%
Charges for services	3,358,970	3,539,947	180,977	5.39%
Debt services	1,935,000	1,935,000	0	0.00%
Capital improvements	8,662,000	13,090,000	4,428,000	51.12%
Capital outlay	2,447,000	2,399,100	(47,900)	-1.96%
<b>TOTAL</b>	<b>\$24,558,852</b>	<b>\$28,949,940</b>	<b>\$4,391,088</b>	<b>17.88%</b>

Personal Services: The proposed budget drops <85,289> from last year based on a 0% salary projection along with a 9% insurance increase. This budget also includes elimination of one full-time position, saving the Department \$78,000.

Materials & Supplies: The proposed budget for materials and supplies decreased (\$84,700). These changes are:

- Decrease in sewer chemicals of <\$44,000>.
- Decrease in city building supplies of <\$35,000>
- Decrease in small tools of <\$2,000>.
- Plus various other small increases and decrease of about <\$4,700>.

Charges for Services: The section of charges and services increased \$180,977 in the following areas

- Professional and technical services increased \$177,500
  - ✓ Increase of chemical analysis of \$18,000
  - ✓ Increase of \$160,000 for audit of Sewer Utility billing charges.
  - ✓ Decrease in rental equipment of <\$500>.
- Utility costs increased \$8,397.
- Travel decreased <\$2,000>.
- Fleet maintenance costs decreased <\$20,000>.

## 2009/2010 RECOMMENDED BUDGET

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- Other charges and services increased \$17,080
  - ✓ Increase of interfund charges of \$8,880.
  - ✓ Transfers to the General Fund of \$8,500
  - ✓ Waste disposal increased \$2,000
  - ✓ Decrease in security of <\$2,000>.
  - ✓ Decrease of <\$300> in meal allowance.

Debt Service: - The annual debt service is expected to remain the same.

Capital Outlay: - The proposed capital outlay budget decreases \$47,900. Field maintenance equipment increases almost \$500,000 and small non-motive equipment increase \$161,000. Auto and trucks decrease \$207,000 over the previous year. Some of these are items that will be carried over from the prior year budget that were not ordered in time to arrive in the 2008/09 budget year.

Capital Improvements: - The proposed capital improvements budget increases \$4.4 million. Plant upgrades include \$5.2 million for plant equipment such as odor control and secondary treatment expansion. \$7.2 million allocated for sewer collection lines as we replace some of the large critical lines in the system. The Department is re-budgeting a major repair for the lab heating and air conditioning and new roof that has been delayed while consultants review energy needs for buildings. The Department also budgeted an upgrade to the plant security system

Listed below by category are the general project types that are budgeted for fiscal 2009-10.

<b>Proposed Capital Improvement Program for Fiscal Year 2009-2010</b>	
Type of Project	Budget Amount
Land	\$ 0
Maintenance and repair shops	615,000
Lift Stations	50,000
Treatment Plant	5,260,000
Collection Lines	7,165,000
Landscaping	0
<b>Total 2009 – 2010 Capital Improvement Program</b>	<b>\$13,090,000</b>



## 2009/2010 RECOMMENDED BUDGET

### STORMWATER UTILITY ENTERPRISE FUND

#### *SUMMARY OF MAJOR BUDGET ISSUES*

The recommended budget for the Stormwater Fund for fiscal year 2009 – 2010 decreases for all costs by (\$177,360) or 1.96 %. A budget error included in the 2008-09 budget accounts for nearly all the decrease and was removed from this year's budget. This budget will maintain the core functions of the Stormwater Fund to the level of the previous year.

- Riparian Corridor Phase II \$300,000 is set to continue the City's Riparian Corridor Study of Red Butte, Emigration, Parleys and City Creek. The Riparian Corridor Overlay District was created January 15, 2008 by City Council ordinance to protect vegetative zones open ground streams, to minimize erosion, stabilize the banks, protect water quality, enhance fish and wildlife habitat and preserve the esthetic values of the natural watercourses. The study will help the Department establish protocols to achieve a reasonable balance between the residential users and the riparian area.
- Again no rate increase proposed this year However, a future rate change of 3% is suggested by the Department's advisory council for the next several fiscal years. This change would generate an additional \$160,000 each year and will keep the cash reserves at a reasonable level. The Stormwater Fund created in 1991 has not had an increase since inception. Below is the proposed schedule:

<b>Future Planned Rate Increases</b>	
2009/10	0%
2010/11	3%
2011/12	3%
2012/13	3%
2013/14	3%

## 2009/2010 RECOMMENDED BUDGET

### Analysis of Estimated Revenue

An analysis of the estimated revenue contained in the utility's recommended budget for the Stormwater Fund is as follows.

Revenue	Amended Budget 2008-2009	Proposed Budget 2009-2010	Difference	Percent
Operating Sales	\$5,245,000	\$5,245,000	\$ 0	0.00%
Interest	150,000	150,000	0	0.00%
Impact fees	200,000	200,000	0	0.00%
Contributions by Developers	516,000	516,000	0	0.00%
Other	10,000	10,000	0	0.00%
From (To) Reserves	2,943,101	2,696,169	(246,932)	-8.39%
<b>TOTAL</b>	<b>\$9,064,101</b>	<b>\$8,817,169</b>	<b>\$(246,932)</b>	<b>-2.72%</b>

Operating Sales: - Total sales are expected to remain unchanged this year.

Interest Income: Interest does drop but we still expect to earn the same.

Impact Fees: With the slow economy impact fees are unchanged.

Contributions by Developers: No change is expected.

Other Fees: No change is expected.

Reserve Funds: - Similar to the past year's budget about \$2.7 million will be required to fund capital improvements.

### Analysis by Proposed Expenditures

The expenditure budget for the Department is proposed to decrease \$(246,932) or 2.72% over the 2008-2009 budgets. The proposed budget for fiscal year 2009 - 2010 by major expenditure category is as follows:

Major Expenditure Category	Amended Budget 2008-2009	Proposed Budget 2009-2010	Difference	Percent
Personal services	\$1,725,139	\$1,777,096	\$ 51,957	3.01%
Materials and supplies	111,700	112,700	1,000	0.90%
Charges for services	2,091,262	1,935,373	(155,889)	-7.45%
Debt Service	600,000	600,000	0	0.00%
Capital improvements	3,908,000	4,290,000	382,000	9.77%
Capital equipment	628,000	102,000	(526,000)	-83.76%
<b>TOTAL</b>	<b>\$9,064,101</b>	<b>\$8,817,169</b>	<b>\$(246,932)</b>	<b>-2.72%</b>

## 2009/2010 RECOMMENDED BUDGET

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Personal Services: The proposed budget increases 51,957 from last year based on a 0% salary projection along with a 9% insurance increase. The increase of 3.01% is related to employee upgrades that took place in the previous year but unbudgeted in the year of comparison.

Materials & Supplies: The proposed budget for materials and supplies increases by \$1,000. Parts, building supplies, sand and gravel create the difference.

Charges & Services: This has decreased by \$155,889 in the various categories listed below:

- \* Decrease of <\$175,000> completion of the first phase of the riparian corridor study.
- \* Increase of \$20,000 for water used in the utility not previously budgeted.
- \* Decrease in transfer out of <\$889>

Debt Service: The amount of debt service will remain the same for several years.

Capital Equipment: The proposed capital equipment budget decreases 83% or \$498,000 and will only purchase one vehicle and one dump truck.

Capital Improvements: The proposed budget of \$4,290,000 is \$120,000 higher than last year. This budget does include several projects that will either be under construction or carried over from the prior year.

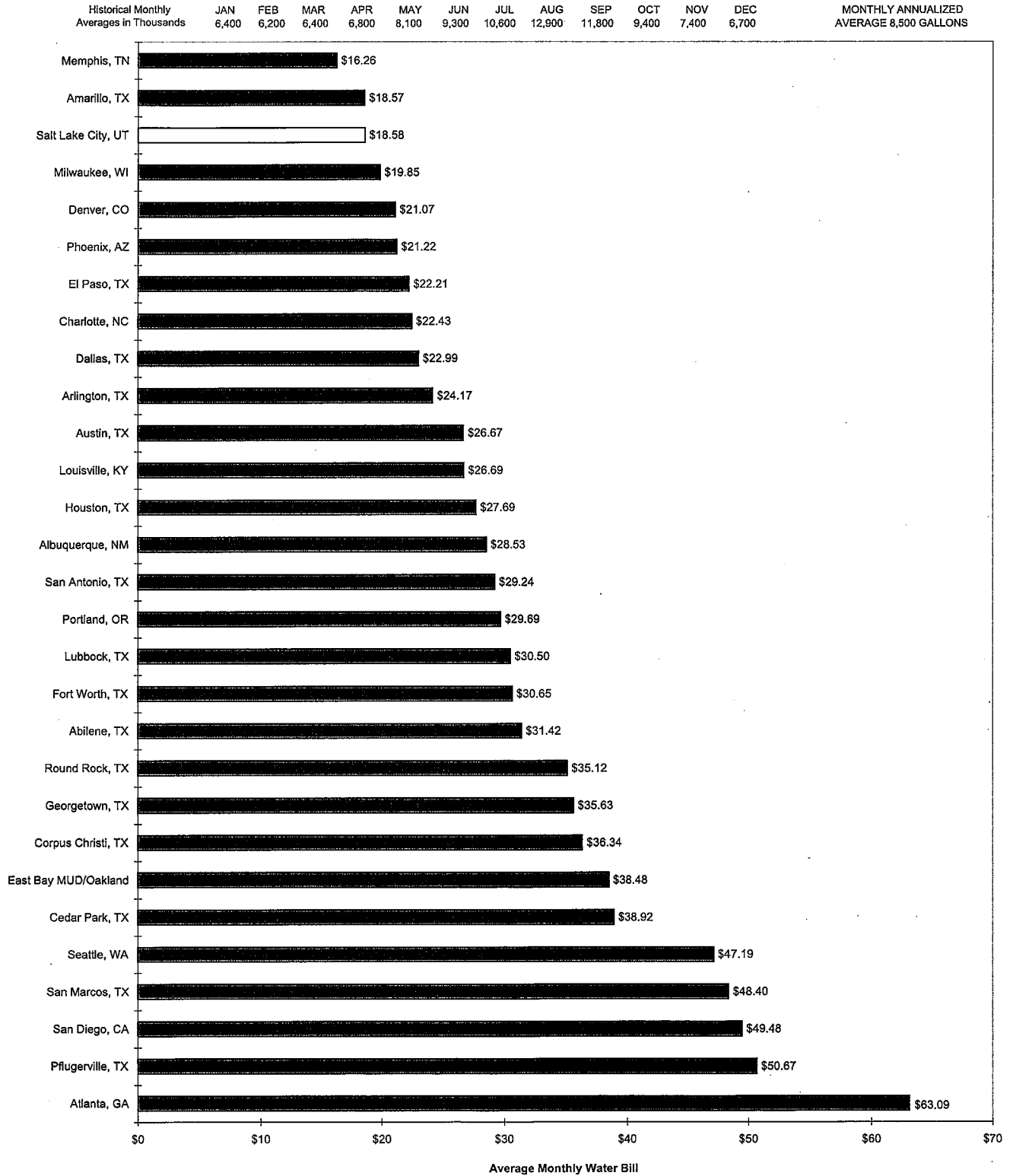
The capital improvement budget for 2009 – 2010 includes projects as follows:

<b>Proposed Capital Improvement Program for Fiscal Year 2009-2010</b>	
<b>Type of Project</b>	<b>Budget Amount</b>
Land	\$ 250,000
Lift Stations	\$ 100,000
Collection Lines	\$ 3,940,000
<b>Total 2009 – 2010 Capital Improvement Program</b>	<b>\$ 4,290,000</b>

**PUBLIC UTILITIES  
FEES AND CHARGES PAID TO THE GENERAL FUND  
FOR SERVICES RENDERED  
OR COLLECTED BY CITY ORDINANCE**

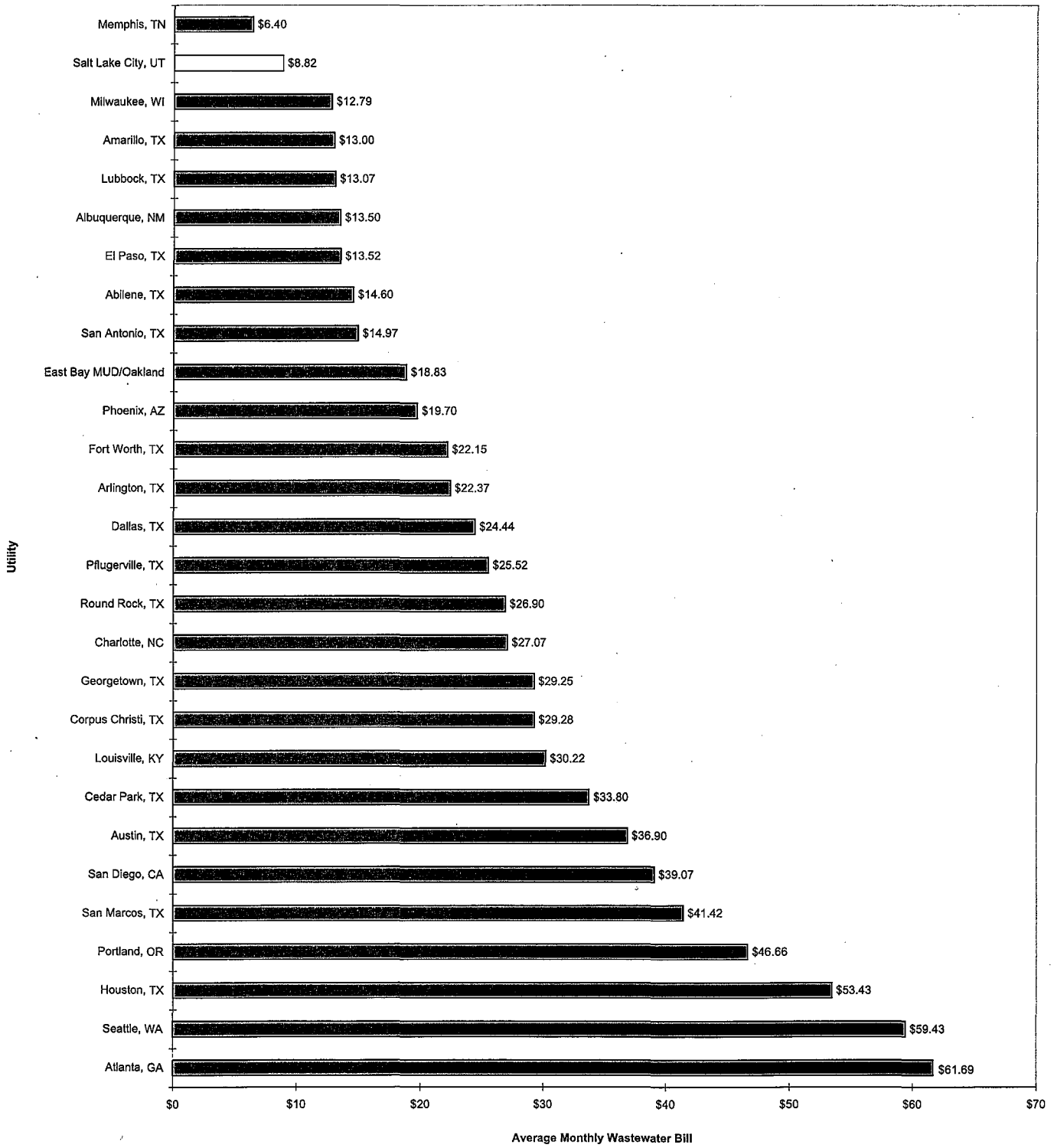
DESCRIPTION OF SERVICES	2008 ACTUALS <u>WATER</u>	2008 ACTUALS <u>SEWER</u>	2008 ACTUALS <u>STORM</u>	Public Utilities 2008 TOTALS	FY 2008/2009 BUDGET	FY PROPOSED 2009/2010 BUDGET
<b>Administrative Service Fees (General Fund)</b>						
Human Resources	\$ 145,597	\$ 36,605	\$ 20,064	\$ 202,266	\$ 213,299	\$ 213,299
City Attorney	108,804	1,330	1,108	111,242	117,310	117,310
Accounting/Finance	84,054	24,505	4,861	113,420	119,607	119,607
Purchasing & Contracts	78,663	16,757	2,316	97,736	103,067	103,067
City Recorders	55,000	3,076	1,990	60,066	63,343	63,343
Property Management	50,609	1,572	239	52,420	55,279	55,279
Budget and Policy	23,212	9,006	2,359	34,577	36,463	36,463
Non-discretionary IMS Costs	22,825	7,421	3,184	33,430	35,254	35,254
Treasurer's Office (cash mgt.)	17,748	6,853	433	25,034	26,400	26,400
City Council	15,360	755	1,007	17,122	18,056	18,056
Mayor	8,428	8,794	10,443	27,665	29,174	29,174
Community Affairs	3,149	1,914	2,284	7,347	7,748	7,748
Total Admin Fees	\$ 613,449	\$ 118,588	\$ 50,288	\$ 782,325	\$ 825,000	\$ 825,000
<b>Tax or Fee Authorized</b>						
Payment in Lieu-of-Taxes (General Fund)	320,632	385,082	130,268	835,982	855,000	855,000
Franchise Fees (General Fund)	2,231,671	956,431	-	3,188,102	2,993,172	3,151,800
Sub Total	2,552,303	1,341,513	130,268	4,024,084	3,848,172	4,006,800
<b>Internal Service Fund Services</b>						
Fleet Mgt. Services	1,087,230	267,954	227,697	1,582,881	1,479,000	1,616,000
City Data Processing (IMS)	380,722	175,979	149,908	706,609	760,000	877,400
Risk Mgt. Administrative Fees	28,546	2,303	2,600	33,449	30,200	30,200
Risk Management Premiums & Charges	509,508	47,571	21,865	578,944	805,000	635,000
Sub Total	2,006,006	493,807	402,070	2,901,883	3,074,200	3,158,600
<b>Special Associated Charges (indirect benefit)</b>						
Street Sweeping (leaf bags and sweeping)	-	-	236,000	236,000	236,000	240,000
Street Sweeping (cost of 3 sweepers)	-	-	-	-	175,000	175,000
Leaf Bags (General Fund)	-	-	26,938	26,938	34,890	34,890
Trails Coordinator (1st payment 2009) New	-	-	-	-	40,000	40,000
Sub Total	-	-	262,938	262,938	485,890	489,890
<b>TOTAL FEES, TAXES AND CHARGES</b>	<b>\$ 5,171,758</b>	<b>\$ 1,953,908</b>	<b>\$ 845,564</b>	<b>\$ 7,971,230</b>	<b>\$ 8,233,262</b>	<b>\$ 8,480,290</b>

**AVERAGE MONTHLY BILL COMPARISON - WATER  
INSIDE CITY RESIDENTIAL CLASS  
Existing Rates - (Austin Average Water Consumption)**

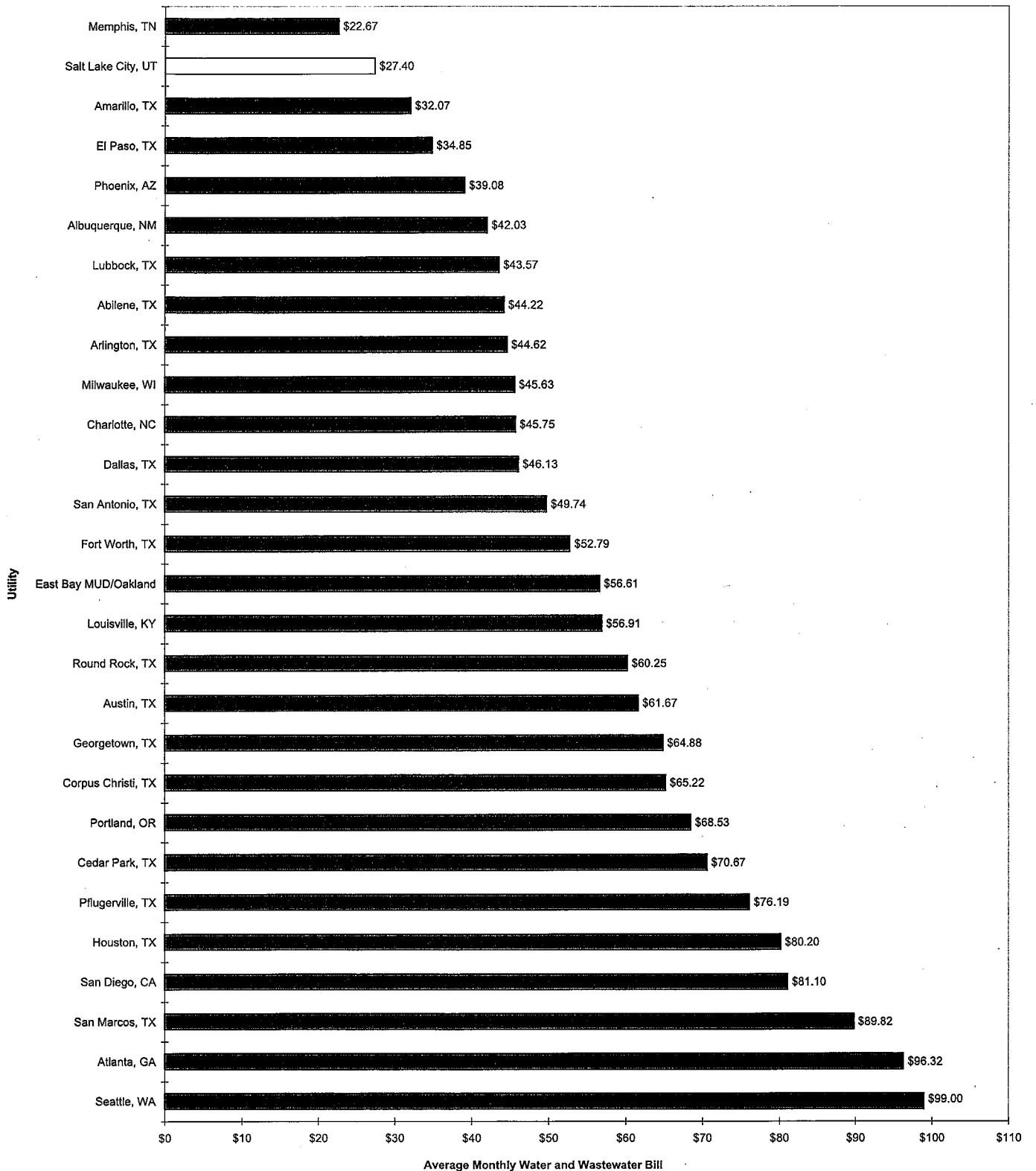


**AVERAGE MONTHLY BILL COMPARISON - WASTEWATER  
INSIDE CITY RESIDENTIAL CLASS  
Existing Rates - (Austin Average Wastewater Flow)**

Historical Monthly Averages in Thousands    JAN 4,700    FEB 4,700    MAR 4,900    APR 5,100    MAY 5,100    JUN 5,200    JUL 5,200    AUG 5,300    SEP 5,200    OCT 5,000    NOV 4,800    DEC 4,800    MONTHLY ANNUALIZED AVERAGE 5,000 GALLONS



**AVERAGE MONTHLY BILL COMPARISON - COMBINED  
INSIDE CITY RESIDENTIAL CLASS  
Existing Rates - (Austin Average Consumption and Flows)**

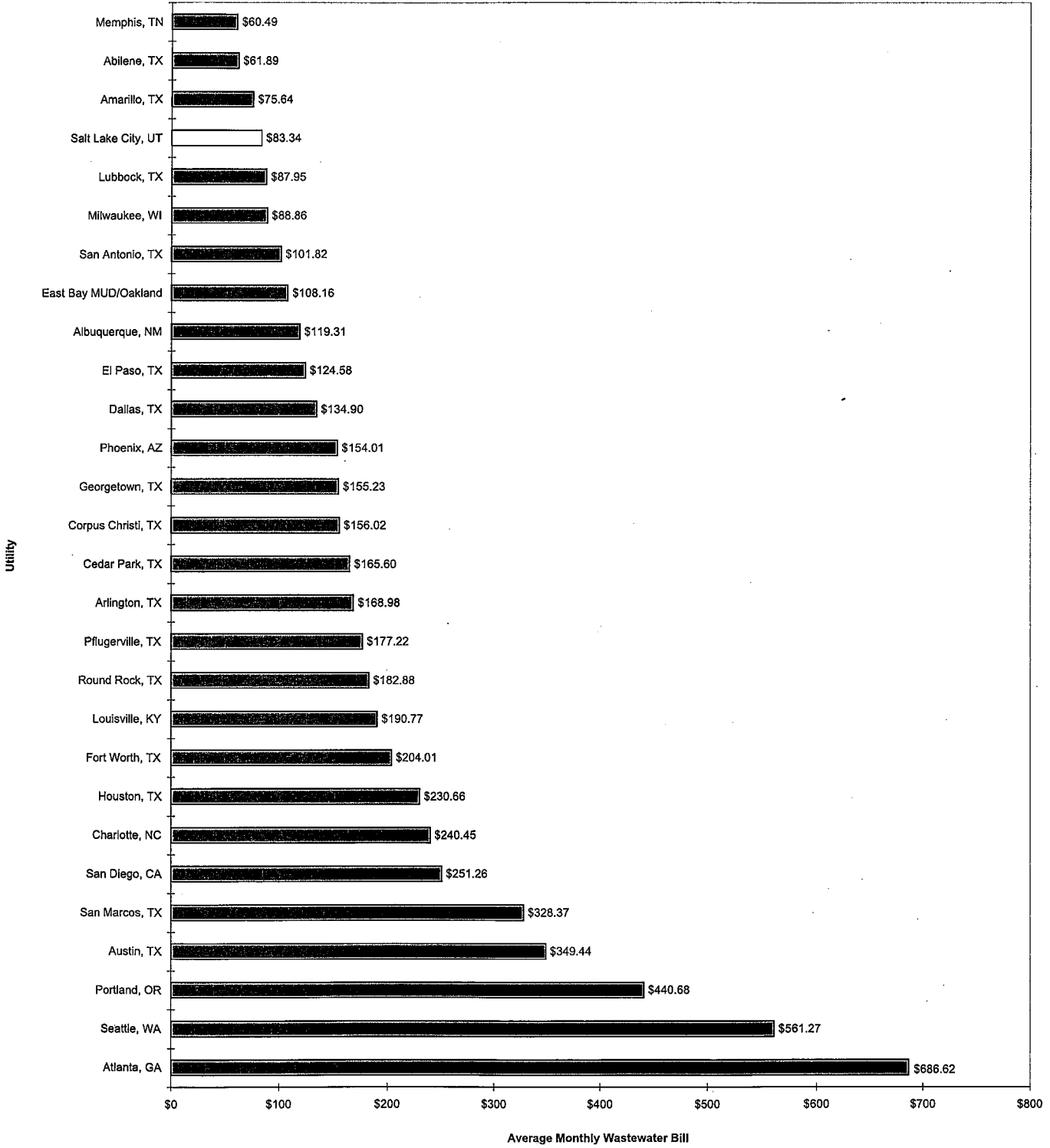


**AVERAGE MONTHLY BILL COMPARISON - WASTEWATER  
INSIDE CITY COMMERCIAL CLASS  
Existing Rates - (Austin Average Wastewater Flow)**

Historical Monthly Averages  
in Thousands

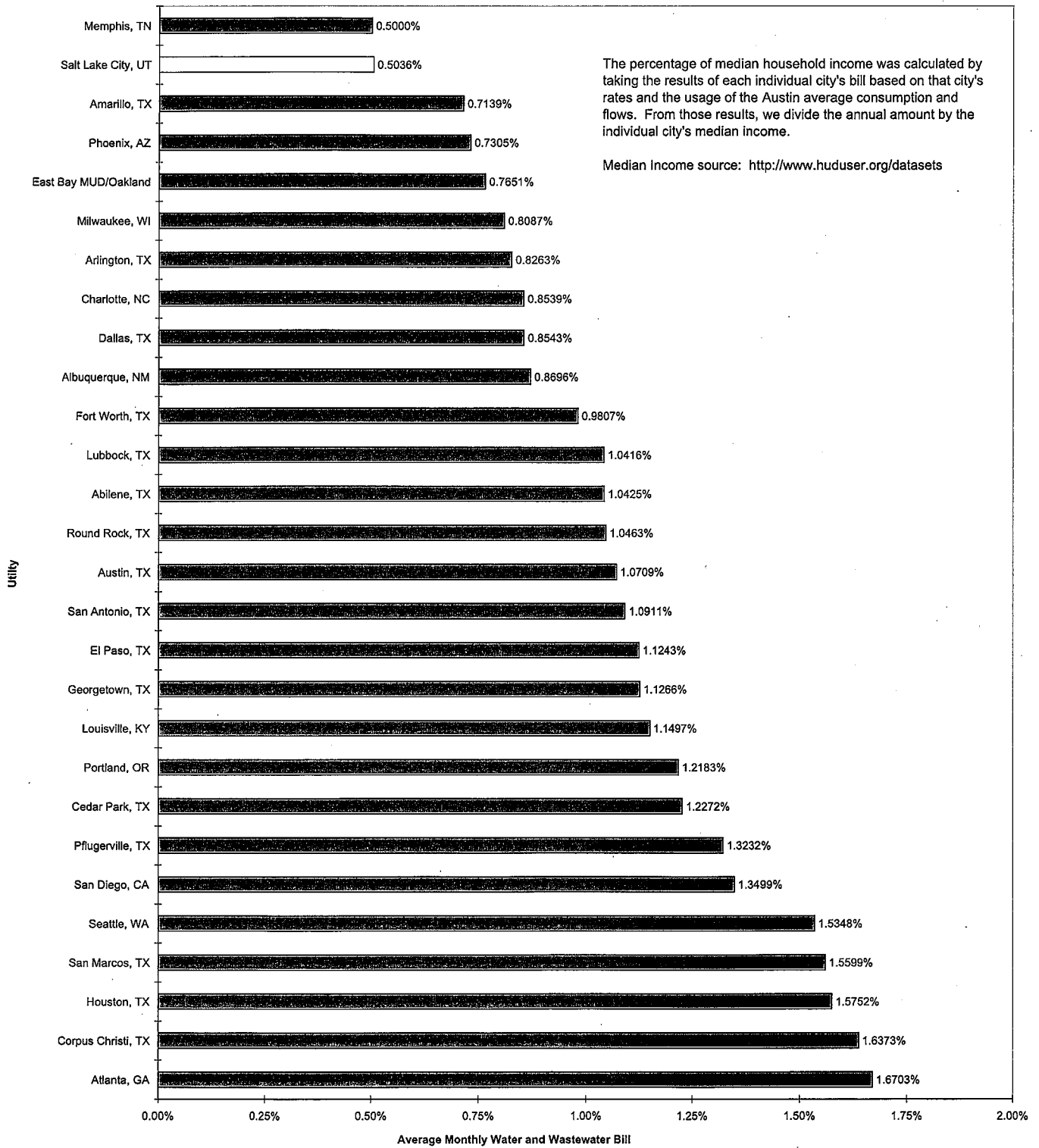
JAN 43.1    FEB 43.4    MAR 45.7    APR 48.0    MAY 47.8    JUN 48.9    JUL 49.2    AUG 50.1    SEP 50.2    OCT 47.9    NOV 46.8    DEC 45.6

MONTHLY ANNUALIZED  
AVERAGE 47,200 GALLONS





**Water and Wastewater Bill as a Percent of Median Household Income  
INSIDE CITY RESIDENTIAL CLASS  
(Austin Average Consumption and Flows)**





**WATER UTILITY  
ENTERPRISE FUND  
BUDGET SUMMARY  
FY 2010-12**

<b>SOURCES</b>			No Rate increase	Rate increase 7%	Rate increase 7%	
	ACTUAL 2007-2008	AMENDED BUDGET 2008-09	PROJECTED ACTUAL 2008-09	PROPOSED BUDGET 2009-10	FORECAST BUDGET 2010-011	FORECAST BUDGET 2011-12
<b>REVENUES</b>						
METERED SALES	\$52,191,821	\$50,232,000	\$50,232,000	\$50,057,000	\$53,560,990	\$57,310,259
INTEREST INCOME	2,358,540	450,000	900,000	370,000	300,000	250,000
OTHER REVENUES	2,775,150	2,308,000	2,308,000	2,389,450	2,389,450	2,389,450
<b>TOTAL REVENUES</b>	<b>\$57,325,511</b>	<b>\$52,990,000</b>	<b>\$53,440,000</b>	<b>\$52,816,450</b>	<b>\$56,250,440</b>	<b>\$59,949,709</b>
<b>OTHER SOURCES</b>						
GRANTS & OTHER RELATED REVENUES	\$2,512,020	\$905,000	\$905,000	\$905,000	\$905,000	\$905,000
IMPACT FEES	1,924,327	500,000	500,000	500,000	500,000	500,000
OTHER SOURCES	158,968	50,000	50,000	50,000	50,000	50,000
BOND PROCEEDS	9,925,000	0	0	0	0	0
<b>TOTAL OTHER SOURCES</b>	<b>\$14,520,315</b>	<b>\$1,455,000</b>	<b>\$1,455,000</b>	<b>\$1,455,000</b>	<b>\$1,455,000</b>	<b>\$1,455,000</b>
<b>TOTAL SOURCES</b>	<b>\$71,845,826</b>	<b>\$54,445,000</b>	<b>\$54,895,000</b>	<b>\$54,271,450</b>	<b>\$57,705,440</b>	<b>\$61,404,709</b>
<b>EXPENSES &amp; OTHER USES</b>						
<b>EXPENDITURES</b>						
PERSONAL SERVICES	\$16,009,016	\$16,321,254	\$16,321,254	\$16,313,790	\$16,850,151	\$17,018,653
OPERATING & MAINTENANCE	2,409,038	2,323,370	2,323,370	2,702,495	2,756,545	2,811,658
TRAVEL & TRAINING	44,372	53,239	53,239	53,239	54,304	55,387
UTILITIES	1,906,049	1,933,938	1,933,938	2,025,568	2,066,080	2,107,399
PROF & CONTRACT SERVICES	2,326,165	2,587,251	2,587,251	2,673,251	2,726,716	2,781,251
DATA PROCESSING	450,785	489,700	489,700	481,700	491,334	501,161
FLEET MAINTENANCE	1,087,242	1,185,000	1,185,000	1,120,000	1,142,400	1,165,248
ADMINISTRATIVE SERVICE FEE	613,449	650,000	650,000	650,000	663,000	676,260
PAYMENT IN LIEU OF TAXES	320,632	371,000	371,000	371,000	378,420	385,988
METRO. WATER PURCH & TREAT	9,496,040	9,600,000	9,600,000	10,224,000	11,169,000	11,752,000
METRO ASSESSMENT (CAPITAL)	7,021,892	7,021,892	7,021,892	7,021,892	7,021,892	7,021,892
OTHER CHARGES AND SERVICES	(195,663)	(18,556)	(18,556)	(164,756)	(168,051)	(171,418)
<b>TOTAL EXPENDITURES</b>	<b>\$41,489,017</b>	<b>\$42,518,088</b>	<b>\$42,518,088</b>	<b>\$43,472,179</b>	<b>\$45,151,791</b>	<b>\$46,105,479</b>
<b>OTHER USES</b>						
CAPITAL OUTLAY	\$2,281,825	\$3,396,400	\$3,141,400	\$1,993,300	\$2,655,000	\$2,090,000
CAPITAL IMPROVEMENT BUDGET	11,960,860	23,116,900	18,637,900	22,376,160	11,809,920	14,690,200
DEBT SERVICES	2,723,810	3,580,000	2,750,000	2,750,000	2,750,000	2,750,000
<b>TOTAL OTHER USES</b>	<b>\$16,966,495</b>	<b>\$30,093,300</b>	<b>\$24,529,300</b>	<b>\$27,119,460</b>	<b>\$17,214,920</b>	<b>\$19,530,200</b>
<b>TOTAL USES</b>	<b>\$58,455,512</b>	<b>\$72,611,388</b>	<b>\$67,047,388</b>	<b>\$70,591,639</b>	<b>\$62,366,711</b>	<b>\$65,635,679</b>
<b>EXCESS REVENUE AND OTHER SOURCES OVER (UNDER) USES</b>						
	\$13,390,314	(\$18,166,388)	(\$12,152,388)	(\$16,320,189)	(\$4,661,271)	(\$4,230,970)
<b>OPERATING CASH BALANCES</b>						
BEGINNING JULY 1	\$23,749,966	\$37,140,280	\$37,140,280	\$24,987,892	\$8,667,703	\$4,006,432
ENDING JUNE 30	\$37,140,280	\$18,973,892	\$24,987,892	\$8,667,703	\$4,006,432	(\$224,538)
Cash Reserve Ratio			59%	20%	9%	0%
			Cash reserve goal above 9%			
Operating cash balance is defined as total cash less restricted amounts for bond covenants and outstanding accounts payable.						
Metropolitan water rates per acre ft.	\$188	\$188	\$200	\$213	\$219	\$226
Watershed increase request				Plus 50¢ base rate		

## WATER UTILITY CASH FLOW

	ACTUAL YEAR 2007-2008	BUDGET YEAR 2008-2009	BUDGET YEAR 2009-2010	BUDGET YEAR 2010-2011	BUDGET YEAR 2011-2012	BUDGET YEAR 2012-2013	BUDGET YEAR 2013-2014
WATER SALES	52,191,821	50,232,000	50,057,000	53,560,990	57,310,259	61,895,080	66,846,686
OTHER INCOME	2,775,150	2,308,000	2,389,450	2,389,450	2,389,450	2,389,450	2,389,450
INTEREST INCOME	2,358,540	900,000	370,000	300,000	250,000	200,000	200,000
OPERATING INCOME	57,325,511	53,440,000	52,816,450	56,250,440	59,949,709	64,484,530	69,436,136
METROPOLITAN WATER ACCESSIONMENT	-7,021,892	-7,021,892	-7,021,892	-7,021,892	-7,021,892	-7,021,892	-7,021,892
METROPOLITAN WATER PURCHASES	-9,496,040	-9,600,000	-10,224,000	-11,169,000	-11,752,000	-12,349,000	-12,960,000
OPERATING EXPENDITURES	-24,971,085	-25,895,633	-26,226,850	-26,960,879	-27,331,587	-28,288,193	-29,278,279
NET INCOME EXCLUDING DEP.	15,836,494	10,922,475	9,343,708	11,098,669	13,844,230	16,825,445	20,175,965
OTHER RECEIPTS / BOND PROCEEDS	9,798,493	0	0	0	0	0	12,000,000
IMPACT FEES	1,924,326	500,000	500,000	500,000	500,000	500,000	500,000
OTHER CONTRIBUTIONS	3,415,081	955,000	955,000	955,000	955,000	955,000	955,000
CAPITAL OUTLAY	-2,281,824	-3,141,400	-1,993,300	-2,655,000	-2,090,000	-2,180,000	-1,990,000
WATERSHED PURCHASES	-2,015,046	-1,000,000	-1,000,000	-1,000,000	-1,000,000	-1,000,000	-1,000,000
DEBT SERVICE	-2,725,659	-2,750,000	-2,750,000	-2,750,000	-2,750,000	-2,750,000	-2,750,000
DEBT SERVICE (NEW)	0	0	0	0	0	0	-1,200,000
OTHER INCOME & EXPENSE	8,115,371	-5,436,400	-4,288,300	-4,950,000	-4,385,000	-4,475,000	6,515,000
AVAILABLE FOR CAPITAL	23,951,865	5,486,075	5,055,408	6,148,669	9,459,230	12,350,445	26,690,965
CAPITAL IMPROVEMENTS	-10,561,551	-17,637,900	-21,376,160	-10,809,940	-13,690,200	-10,061,300	-20,920,000
CASH INCREASE/(DECREASE)	13,390,314	-12,151,825	-16,320,752	-4,661,271	-4,230,970	2,289,145	5,770,965
BEGINING CASH BALANCE	23,749,966	37,140,280	24,988,455	8,667,703	4,006,432	-224,538	2,064,608
CASH INCREASE/(DECREASE)	13,390,314	-12,151,825	-16,320,752	-4,661,271	-4,230,970	2,289,145	5,770,965
ENDING BALANCES	\$37,140,280	\$24,988,455	\$8,667,703	\$4,006,432	-\$224,538	\$2,064,608	\$7,835,573
WATER DEBT SERVICE COVERAGE	5.81	3.97	3.40	4.04	5.03	6.12	5.11
RATE CHANGE	5.00%	4.00%	0.00%	7.00%	7.00%	8.00%	8.00%
ANNUAL RESIDENTIAL WATER							
BILL (1997=\$180.00)	\$339.43	\$353.00	\$353.00	\$377.71	\$404.15	\$436.49	\$471.40
Cash Reserve Ratio	89.52%	58.77%	19.94%	8.87%	-0.49%	4.33%	15.91%
Metropolitan water rate	188.00	200.00	213.00	219.00	226.00	233.00	240.00
Metropolitan water purchases in acre feet	50,510.85	48,000.00	48,000.00	51,000.00	52,000.00	53,000.00	54,000.00
Water Supplied in Million Gallons	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00
Revenue per million gallons	1,739.73	1,674.40	1,668.57	1,785.37	1,910.34	2,063.17	2,228.22

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51-03301	2710.10	LAND								
03301		WATERSHED PROPERTY		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	
03301		WASATCH ELECTRIC PROPERTY NEXT DOOR TO SHOP AREA		1,900,000						
				2,900,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	0
51-03301	2710.30	WATER RIGHTS & SUPPLY								
03301		WATER STOCK PURCHASES		30,000	30,000	30,000	30,000	30,000	30,000	
				30,000	30,000	30,000	30,000	30,000	30,000	0
51-01301	2772.10	MAINTENANCE & REPAIR SHOPS - 2720.10								
00601		VARIOUS RESTROOM REPLACEMENTS		40,000	40,000				40,000	
03201		REBUILDING STUDY AND DESIGN			100,000				2,000,000	
02201		SHOPS BUILDING OPTIONS					1,700,000			
		ARTESIAN BASIN AREA ASPHALT								170,000
				40,000	140,000	0	1,700,000	0	2,040,000	170,000
51-01301	2772.10	TREATMENT PLANTS - 2720.30								
		CITY CREEK								
00701		CITY CREEK - PIPE GALLERY LEAD PAINT MITIGATION AND REPAINTING			150,000					
00701		CITY CREEK - FLOCCULATION BASIN INSTRUMENT PANEL ISOLATION AND ENVIRONMENTAL CONTROL			25,000					
00701		CITY CREEK - CLARIFIER OVERFLOW PIPING MODIFICATIONS (REMOVAL) AND REPLACEMENT			120,000					
00701		CITY CREEK - POWER AND TELEMETRY TO THE DRYING BEDS INCLUDING GATE AND CONTROL DEVICES			60,000					
00701		NEW PLUMBING OF CLARIFIER FOR OVERFLOW		70,000						
00701		SEDIMENTATION BASIN ROOF REPAIR		80,000						5,000,000
00701		DRAINAGE AND SLUDGE LINE SEPARATION AND REHAB		200,000						
00701		CITY CREEK BIKE TRAIL FROM GUARD STATION TO PLANT (4 MILES - 12 FEET WIDE)		50,000						
00701		SED BASINS - SEISMIC - COLLECTORS								
00701		UV SYSTEM								
00701		REPLACE ALL OLD LARGE LINES								
00701		CITY CREEK SLUDGE LINE CIPP				80,000				
00701		CITY CREEK - COAG AND FILTER BUILDING ROOF REPAIRS - MEMBRANE				40,000				
00701		CITY CREEK - INTAKE STRUCTURE IMPROVEMENTS				10,000				
00701		FACILITY STUDY				100,000				
00701		DRYING BED STUDY AND POTENTIAL CONSTRUCTION					100,000			900,000
		PARLEY'S								
00801		PARLEY'S TP - REFURBISH ALL FILTER VALVES			100,000					
00801		SLUDGE LINE		500,000						
00801		DAM SLEEVE VALVE								
00801		SLUDGE BEDS - LINING & VALVES								900,000
00801		UV SYSTEM								
00801		PRECURSOR/ TASTE & ODOR CONTROL								1,000,000
00801		5-10 MG FINISHED WATER RESERVOIR - NEW								
00801		PARLEY'S TP - LABORATORY UPGRADE							50,000	
00801		PARLEY'S TP - BOAT HOUSE NEW RAMP OR REPLACEMENT OF BOAT LAUNCH SYSTEM WITH WINCH.								15,000
00801		PARLEY'S TP - CONDUIT FROM DAM TO OLD ICB TO PLANT.								20,000
00801		PARLEY'S TP - INSTALL CARBON FEED SYSTEM								50,000
00801		PARLEY'S TP - REPLACE ALL POST STORAGE TANK HYPO PLUMBING								10,000
00801		PARLEY'S TP - REPLACE STAIRS ON MT. DELL DAM								20,000
00801		PARLEY'S TP - NEW I/O AND PLC FOR NEW INSTRUMENTS & FLUORIDE, INCLUDING F2 AND HF SENSORS AND ALARM								50,000
00801		PARLEY'S TP - FLOCCULATION BASIN MIXING PADDLE REPLACEMENT AND BAFFLING MODIFICATIONS					250,000			
00801		FACILITY STUDY				100,000				
		BIG COTTONWOOD								
00901		BIG COTTONWOOD - PLC, I/O AND DATA HIGHWAY CONVERSION TO ETHERNET AND PLC REPLACEMENT			100,000					
00901		BIG COTTONWOOD - REFURBISH FILTER VALVES (POSSIBLE EXCEPTION OF FILTER EFFLUENT VALVES)			100,000					
00901		FACILITY STUDY			100,000					

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00901	51262723	BIG COTTONWOOD CHEMICAL FEEDER REPLACMENT								
00901		BIG COTTONWOOD HYPOCHLORINE SYSTEM		500,000						
00901		SLUDGE BEDS - LINING & VALVES								
00901		BIG COTTONWOOD - SEISMIC UPGRADE (SEDIMENTATION BASIN)								8,000,000
00901		BIG COTTONWOOD INTAKE REPLACEMENT								
00901		BIG COTTONWOOD - REPLACE PANEL VIEW FILTER CONTROLS WITH MANUAL/AUTO SYSTEM								
00901		FILTER BUILDING - SEISMIC UPGRADE								
00901		BIG COTTONWOOD - RELOCATE FILTER GALLERY I/O PANELS FROM BAD ENVIRONMENT.							50,000	
00901		BIG COTTONWOOD - FINISHED WATER SAMPLING STATION -								
00901		UV SYSTEM								
00901		MILLCREEK TREATMENT PLANT	100%							12,000,000
				1,400,000	755,000	330,000	350,000	0	100,000	27,965,000
51-01301	2772.10	<b>PUMPING PLANTS AND PUMP HOUSES - 2720.35</b>								
01301		UPGRADE BUILDING STRUCTURES			50,000	50,000	50,000	50,000	50,000	
01301		LITTLE WILLOW PUMP STATION EXPANSION	IMPACT FEES		500,000					
01301		OLYMPUS COVE PUMP STATION FROM PARLEY'S COVE - NEW		100,000	140,000				600,000	
01301		AUXILIARY POWER - CARRIGAN COVE PRESSURE ZONE			25,000					
01301		AUXILIARY POWER - GOLDEN HILLS PRESSURE ZONE			25,000					
01301		7000 SOUTH PUMP PLANT #P50420		70,000						
01301	51341635	AUTOMATIC GRATE CLEANING SYSTEM FOR PUMP STATION INTAKE - 6200 SOUTH		30,000						
01301		UV UPGRADE 6200 SOUTH PUMP STATION					300,000			
01301		MOTOR RESEARCH PARK PUMP STATION		12,000						
01301		AUXILIARY POWER FOR EAST BENCH PUMP STATION		85,000						
01301		7800 SOUTH PRESSURE ZONE				500,000				
01301		4500 SOUTH PRESSURE ZONE					500,000			
01301		MT. OLYMPUS PUMP STATION - FULL BACKUP POWER						500,000		
01301		MILITARY PUMP STATION - FULL BACKUP POWER							500,000	
01301		AUXILIARY POWER - EAST BENCH PRESSURE ZONE								
01301		OAKHILLS PUMP STATION - MOTOR CONTROL CENTER								
01301		39TH & BIRCH PUMP STATION - MOTOR CONTROL CENTER								
01301		FONTAINE BLEU - VFD								
01301		48TH AND 9TH BOOSTER - VFD								
01301		NORTH BENCH PUMP STATION - ADDITIONAL PUMPS								
01301		VICTORY ROAD - ADDITIONAL PUMPS								
01301		UPPER BOUNDARY SPRINGS	BOND				500,000			
01301		AUXILIARY POWER - 4500 SOUTH PRESSURE ZONE								
				297,000	740,000	550,000	1,350,000	550,000	1,150,000	0
51-01301	2773.10	<b>CULVERTS FLUMES &amp; BRIDGES - 2730.02</b>								
00101		REPLACE DIVERSION FLUME AT APPROX. POINT OF THE MOUNTAIN/CAMP WILLIAMS			200,000					
00101		JORDAN SALT LAKE DUMP AT 13500 SOUTH	BOND		50,000	200,000				
00101	5129199	VARIOUS LOCATIONS		50,000	50,000	50,000	50,000	50,000	50,000	
00101		WILMINGTON DIVERSION		200,000						
00101		LITTLE COTTONWOOD/TANNER DIVERSION		100,000						
00101		MEASURING DEVICES FOR JSL AND EJ CANALS				70,000				
00101		LITTLE COTTONWOOD PARSHAL FLUME	2ND BOND							
00101		2100 SOUTH TO 1700 SOUTH				100,000	100,000	100,000		
00101		6200 SOUTH PUMPSTATION 30" VALVE INSTALLATION		80,000						
				410,000	300,000	420,000	150,000	150,000	50,000	0
51-01301	2773.10	<b>DEEP PUMP WELLS - 2730.04</b>								
01301		UPGRADE BUILDING STRUCTURES - ONE PER YEAR		100,000	100,000	100,000	100,000	100,000	100,000	
01301		PCE TREATMENT PROJECT - 1500 EAST WELL	BOND		450,000					5,000,000
01301		STUDY TREATMENT OF PCE AT WELLS			75,000					
01301		13TH AND 27TH SOUTH WELL - REHAB	BOND		200,000					
01301		4TH AVENUE WELL IMPROVEMENT		200,000						
01301	5132235	MICK RILEY & PIPELINES								
01301	5132241	RED BUTTE								2,500,000
01301		NEW WELLS TO COVER 10 CFS WATER RIGHTS								
01301		6200 SOUTH REHAB	BOND			250,000				
01301		FONTAINE BLEU - VFD						350,000		
01301		MILLCREEK WELL - VFD				100,000				

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01301		BRITON SPRINGS - VFD					50,000			
01301		EDGEWOOD WELL - VFD					20,000			
01301		GREENFIELD VILLAGE WELL - VFD					50,000			
01301		NILA WAY WELL - VFD					25,000			
01301		NEFFS DRAW - VFD					25,000			
01301		WELL14 - VFD					35,000			
01301		SUGARHOUSE PARK WELL - VFD						60,000		
01301		19TH AND 27TH SOUTH WELL - VFD						60,000		
01301		6200 Sa Well - VFD						50,000		
01301		EDGEWOOD WELL - REHAB						200,000		
01301		MILLCREEK WELL - VFD							200,000	
01301		BRITON SPRINGS - REHAB							200,000	
01301		WELL 5 - REHAB								250,000
01301		ARTESIAN WELL 1 - REHAB								250,000
01301		ARTESIAN WELL 2 - REHAB								250,000
				300,000	825,000	450,000	305,000	820,000	500,000	8,250,000
51-01301	2773.10	<b>STORAGE RESERVOIRS - 2730.06</b>								
01301		LITTLE DELL FLOW METER		20,000						
01301		LITTLE DELL PAINTING OF CONDUIT	MWD	500,000						
01301		LITTLE DELL GUNITE REPAIR		60,000						
01301		MT DELL CONCRETE STUDY & RESURFACE		20,000					2,000,000	
01301		LITTLE DELL SCADA				100,000				
01301		RED PINE DAM REHAB CORE WALL					90,000			
01301		RESURFACE DAM FACE - LAKE MARY								2,000,000
01301		RESURFACE DAM FACE - MT DELL								
01301		INSTALL A DIRECT PIPE INTO PARLEYS TREATMENT FROM LITTLE DELL								2,000,000
01301		LAKE MARY REHAB								100,000
				600,000	0	100,000	90,000	0	2,000,000	4,100,000
51-01301	2773.10	<b>DISTRIBUTION RESERVOIRS - 2730.07</b>								
01301		BASKIN RESERVOIR ROOF REPAINTING			800,000					
01301	51344122	1300 EAST RESERVOIR DEMOLITION			300,000					
01301		UPPER BOUNDARY TANK REPAINTING	BOND		200,000					
01301		MISCELLANEOUS REPAIRS		50,000	50,000	50,000	50,000	50,000	50,000	
01301		GRANITE OAKS RESERVOR	IMPACT FEES	700,000						
		EASTWOOD TANK PAINTING		150,000						
01301		MILITARY RESERVOIR REPLACEMENT	BOND	250,000					4,000,000	6,000,000
01301		RESERVOIR INSPECTION OF TEN SITES (CORROSION CONTROL CONTRACT)		50,000						
01301		TANK PAINTING AND RESTORATION PROJECT					500,000	500,000	500,000	
01301		7800 SOUTH PRESSURE ZONE - 4.3 MILLION GALLON RESERVOIR								
				1,200,000	1,350,000	50,000	550,000	550,000	4,550,000	6,000,000
51-01301	2773.10	<b>DISTRIBUTION MAINS &amp; HYDRANTS - 2730.08</b>								
		<b>CITY, COUNTY, STATE AND MISC. DRIVEN PROJECTS</b>								
01301		VARIOUS PROJECTS		100,000	200,000	200,000	200,000	200,000	200,000	
01301		ALPINE PLACE (930 S) - GILMER DRIVE (APPROX. 1120 E) TO CUL-DE-SAC END	174	21,000						
01301		HARVARD AVENUE (1110 S) - 1300 EAST TO 80 FEET WEST OF NORMANDIE CIRCLE	305	24,400						
01301		HERBERT AVENUE (1045 S) - 200 EAST TO 300 EAST	780	62,000						
01301		YALE AVENUE (1080S) - 700 EAST TO 800 EAST	400	32,000						
01301		900 SOUTH - 700 EAST TO 1100 EAST	3,200				200,000			
01301		700 SOUTH - 4400 WEST TO 5600 WEST	9,600				100,000			
01301		CALIFORNIA AVENUE (1330 S) - 4800 WEST TO 5600 WEST	6,400							1,000,000
01301		1300 EAST - SOUTH TEMPLE TO 500 SOUTH	4,000							100,000
01301		GLADIOLA STREET (3400 W) - 500 SOUTH TO CALIFORNIA AVENUE (1330 S)	6,640							200,000
				239,400	200,000	200,000	500,000	200,000	200,000	1,300,000
		<b>WATER MAIN MISCELLANEOUS PROJECTS</b>								
01301	513800010	NEW MAINLINE VALVES - COUNTY		65,000	138,000	138,000	138,000	138,000	138,000	
01301	51400007	WATER MAIN REPLACEMENTS		100,000	100,000	100,000	100,000	100,000	100,000	
01301	51400007	DONATED LINES		100,000	100,000	100,000	100,000	100,000	100,000	

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01301	51380009	NEW MAINLINE VALVES - CITY		125,000	262,000	262,000	262,000	262,000	262,000	
01301	51370009	FIRE HYDRANT REPLACEMENTS		250,000	400,000	400,000	400,000	400,000	400,000	
01301		REGULATOR REPLACEMENT		100,000	300,000	300,000	300,000	300,000	300,000	
01301		CONTRIBUTIONS BY DEVELOPERS		500,000	500,000	500,000	500,000	500,000	500,000	
				1,240,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	0
		<b>WATER MAIN REPLACEMENTS</b>								
01301	513504947	HUNTSMAN RESEARCH HOSPITAL - HANOVER DRIVE (360 NORTH) TO FORT DOUGLAS LINE (HUNTSMAN	4,300		750,000					
01301	513504830	G10-1 BONNEVILLE DRIVE (2700 E) - ST. MARY'S WAY (1200 S) TO OAKILLS WAY (1078 S) - DESIGNED	1,475		177,000					
01301	513504830	G10-1 ALTON WAY (2820 E) - OQUIRRH DRIVE (1186 S) TO CRESTVIEW DRIVE (1010 S) - DESIGNED	1,021		122,520					
01301	513504880	G10-1 OAKHILLS WAY (2745 E) - CRESTVIEW DRIVE (1010 S) TO ST MARY'S WAY (1200 S) - DESIGNED	1,772		212,640					
01301	513504882	G10-1 OQUIRRH DRIVE (1185 S) - ST MARY'S WAY (2912 E) TO OAKHILLS WAY (2745 E) - DESIGNED	1,481		177,720					
01301	513504804	G10-1 STANSBURY WAY (2654 E) - OQUIRRH DRIVE (1186 S) TO CRESTVIEW DRIVE (1010 S)	840		100,800					
01301	513504959	G10-2 "I" STREET (600 E) - ALOHA AVENUE (710 N) TO THIRTEENTH AVENUE (650 N)	570		68,400					
01301	513504992	G10-2 NORTHCREST DRIVE (815 N) - ALOHA STREET (710 N) TO TERRACE HILLS DRIVE (950 E)	1,990		238,800					
01301	513504960	G10-2 SIXTEENTH AVENUE (820 N) - "J" STREET TO LITTLE VALLEY ROAD (860 E)	1,780		213,600					
01301	513504708	G10-2 17TH AVENUE (850 N) - HILLTOP ROAD (645 E) TO LITTLE VALLEY ROAD (860 E)	2,190		262,800					
01301	513504963	G10-2 18TH AVENUE (900 N) - 670 EAST TO LITTLE VALLEY ROAD (860 E)	1,800		223,240					
01301	513504993	G10-2 "G" STREET (500 E) - THIRTEENTH AVENUE (650 N) TO FOURTEENTH AVENUE (700 N)	333		39,960					
01301	513504961	G10-3 DESOTO STREET (45 E) - ZANE AVENUE (530 N) NORTH TO THE END	1,385		166,200					
01301	513504962	G10-3 COLUMBUS STREET (1 E) - GIRARD AVENUE (540 N) NORTH TO THE END	1,750		210,000					
01301	513301901	G10-4 CUMORAH DRIVE (4420 S) - ABINADI ROAD (4160 E) TO HELAMAN CIRCLE (4430 S)	580		69,600					
01301	513301902	G10-4 GILEAD WAY (4460 S) - ZARAHLEMLA DRIVE (4215 E) TO END OF STREET	1,420		170,400					
01301	513301903	G10-4 ZARAHLEMLA DRIVE (4215 S) - CUMORAH DRIVE (4420 E) TO 4490 S)	1,100		132,000					
01301		VARIOUS	1,961		185,480					
01301		CARRY OVER PROJECTS		200,000						
01301	513504846	300 WEST - 500 NORTH TO 600 NORTH	815	325,000						
01301	513504847	64-6 500 WEST - 450 NORTH TO 500 NORTH	460	120,000						
01301	513504849	64-6 200 NORTH - 400 WEST TO 500 WEST	855	250,000						
01301	513301759	MATHEWS WAY (4115 E) - ZARAHLEMLA DRIVE (4215 E) TO CUMORAH DRIVE (4400 S)	1,015	120,000						
01301	513504714	65-4 BROADMOOR (2640 E) - WASATCH DRIVE (1920 S) TO 2100 SOUTH	1,090	120,000						
01301	513504888	65-4 BELAIR DRIVE (2910 E) - SCENIC DRIVE (2278 S) TO GLENOAKS DRIVE (2190 S)	1,164	128,000						
01301		PARLEY'S POINT		50,000						
01301	513301951	CREEK ROAD (8200 S) - ROYAL LANE (2400 E) TO APPROX. 3296 E	8,600	1,720,000						
01301	513504991	NORTH TEMPLE - REDWOOD ROAD TO ORANGE STREET - DESIGNED	1,275	140,500						
01301			15,274	238,000						
			27,748							
01301	513301880	G11-1 SANTA ROSA AVENUE (3325 S) - SANTA ROSA DRIVE (3275 E) TO EL SERRITO DRIVE (3425 E)	980			122,500				
01301	513301880	G11-1 LOS ALTOS STREET (3370 E) - SANTA ROSA AVENUE (3325 S) TO DEL VERDE AVENUE (3410 S)	740			92,500				
01301	513301880	G11-1 PLAZA WAY (3320 E) - SANTA ROSA AVENUE (3325 S) TO APPROX. 3378 SOUTH (8" VAL)	480			60,000				
01301	513301920	G11-1 MONZA DRIVE (3680 S) - WASATCH BOULEVARD (3565 E) TO MILLCREST ROAD (3500 E)	510			63,750				
01301	513301956	G11-2 CUMMINGS ROAD (3450 S) - EL SERRITO DRIVE (3425 E) TO VIRGINIA STREET (3470 E)	495			61,875				
01301	513301956	G11-2 VIRGINIA STREET (3470 E) - CUMMINGS ROAD (3450 S) TO MILLCREEK CANYON ROAD (3500 S)	690			86,250				
01301	513301961	G11-2 LAURELCREST STREET (3185 E) - CRAIG DRIVE (3640 S) TO UPLAND DRIVE (3760 S)	1,100			137,500				
01301	513301904	G11-2 4135 SOUTH/SHANNA STREET - 2700 EAST TO 4140 SOUTH	1,200			150,000				
01301	513301905	G11-2 OLYMPUS DRIVE (4155 S) - CORAL STREET (2600 E) TO 2700 EAST	660			82,500				
01301	513301962	G11-3 2930 EAST/2955 EAST - FORT UNION BOULEVARD (7000 S) TO 7230 SOUTH	1,530			191,250				
01301	513301963	G11-3 JONATHON DRIVE (7310 S) - PIPPIN DRIVE (3570 E) TO THE END OF WINESAP CIRCLE	966			120,750				
01301	513301898	G11-3 MACINTOSH LANE (7335 S) - WINESAP ROAD (7330 S) TO RACQUET CLUB DRIVE (3665 E)	1,750			218,750				
01301	513301967	G11-3 NUTMEG STREET (7145 S) - NUTREE DRIVE (3325 E) TO PINE CONE STREET (3250 E)	445			55,625				
01301	513301965	G11-3 SUNDRIFT CIRCLE (7230 S) - 2890 EAST TO END OF THE CIRCLE	800			100,000				
01301	513301966	G11-3 3050 EAST - FORT UNION BOULEVARD (7000 S) TO 7070 SOUTH	380			47,500				
01301	513301974	G11-4 CHARLESTON LANE (5880 S) - STANIDA CIRCLE (1835 E) TO HIGHLAND DRIVE (1970 E)	1450			181,250				
01301	513301975	G11-4 COBBLEROCK LANE (2520 E) - 6200 SOUTH TO THE END OF THE STREET	1100			137,500				
01301		G11-4 BEAUMONT DRIVE (1840 E) - CONWAY ROAD (1740 E) TO THE END OF BEAUMONT CIRCLE (5750 S)	1650			206,250				
01301		G11-4 CELECTIA CIRCLE (5750 S) - HIGHLAND DRIVE (1970 E) TO END OF CELECTIA CIRCLE (5750 S)	1100			137,500				
01301		VARIOUS	2814			351,690				
			20,840			2,604,940				
01301	513301968	G12-1 3100 EAST - UPLAND DRIVE (3760 S) TO DEL MAR DRIVE (3825 S)	575			71,875				
01301	513301971	G12-1 EVERGREEN AVENUE (3435 S) - 3170 EAST TO 2890 EAST	1,750			218,750				
01301	513301972	G12-1 3175 EAST - 3300 SOUTH TO EVERGREEN AVENUE (3435 S)	2,050			256,250				
01301	513301973	G12-1 CELESTE WAY (3370 S) - 3175 EAST TO EVERGREEN AVENUE (3435 S)	1,020			127,500				
01301		G12-1 DEL VERDE AVENUE (3410 S) - TERRACE VIEW DRIVE TO 3175 EAST	475			59,375				



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01301		G12-1 3170 EAST - EVERGREEN AVENUE (3435 S) TO MILLCREEK CANYON ROAD (3500 S)	835				104,375			
01301		G12-1 3125 EAST - EVERGREEN AVENUE (3435 S) TO END OF THE STREET	540				67,500			
01301		G12-2 APOLLO DRIVE (4135 S)/4100 SOUTH - WASATCH BOULEVARD (3565 E) TO JUPITER DRIVE (3735 E)	1,380				172,500			
01301		G12-2 ACHILLES DRIVE (3565 E) - APOLLO DRIVE (4135 S) TO HERMES DRIVE (4175 S)	750				93,750			
01301		G12-2 DIANA WAY (3535 E) - APOLLO DRIVE (4135 S) TO HERMES DRIVE (4175 S)	810				101,250			
01301		G12-2 MARS WAY (3610 E) - APOLLO DRIVE (4135 S) TO HERMES DRIVE (4175 S)	610				76,250			
01301		G12-3 3075 EAST - 3900 SOUTH TO 3960 SOUTH	500				62,500			
01301		G12-3 3960 SOUTH - 3030 EAST T 3075 EAST	320				40,000			
01301		G12-3 3030 EAST - 3960 SOUTH TO THE END OF THE STREET	210				26,250			
01301		G12-3 LISA DRIVE (3215 E) - DELSA DRIVE (3990 S) TO OLYMPIC WAY (3250 E)	960				120,000			
01301		G12-3 OLYMPIC WAY (3250 E) - SPLENDER WAY (3315 E) TO HAMPTON COURT (4060 S)	610				76,250			
01301		G12-4 WANDA WAY (4475 S) - PEACH STREET (2810 E) TO THE END OF THE STREET	1,520				190,000			
01301		G12-4 APPLE BLOSSOM LANE (4600 S) - 2760 EAST TO PEACH STREET ) 2810 E	960				120,000			
01301	513505044	G12-5 DEARBORN STREET (1460 E) - PARKWAY AVENUE (2455 S) TO STRATFORD AVENUE (2560 S)	1,020				127,500			
01301	513505045	G12-5 BEVERLY STREET (1380 E) - STRATFORD AVENUE (2560 E) TO 2700 SOUTH	1,020				127,500			
01301	513505046	G12-5 CHADWICK STREET (1420 E) - PARKWAY AVENUE (2455 S) TO STRATFORD AVENUE (2560 S)	1,010				126,250			
		VARIOUS	1,596				199,575			
			20,521				2,565,200			
01301		G13-1 2570 EAST - HERITAGE WAY (2760 S) TO BARBEY DRIVE (2800 S)	300					37,500		
01301		G13-1 APPROX. 2572 EAST - BARBEY DRIVE TO HERITAGE WAY	295					36,875		
01301		G13-1 HERITAGE WAY (2760 S) - 2520 EAST TO APPROX. 2575 EAST	325					40,625		
01301		G13-1 2900 SOUTH - DEVEREAUX WAY (2550 E) TO 2700 EAST	720					90,000		
01301		G13-1 2880 SOUTH - 2870 EAST TO APPROX. 2730 EAST/SOUTH TO LOUISE AVENUE (2020 S)	1,250					156,250		
01301		G13-1 2960/2965 SOUTH - 2790 EAST TO GRACE STREET (3100 E)	2,100					262,500		
01301		G13-2 CREST OAK DRIVE (3680 E) - BROCKBANK DRIVE (4435 S) TO EAST CLIFF DRIVE (4395 S)	1,086					141,180		
01301		G13-2 PIN OAK (3680 E) - OAKVIEW DRIVE (4275 S) TO SPRUCE DRIVE (4360 S)	610					79,300		
01301		G13-2 PARK HILL DRIVE (3565 E) - EASTOAKS DRIVE (4450 S) TO FORTUNA WAY (4725 S)	380					49,400		
01301		G13-2 FORTUNA WAY (4725 S) - PARK HILL DRIVE (3565 E) TO BROCKBANK DRIVE (3560 E)	1,210					157,300		
01301		G13-3 200 EAST - 400 SOUTH TO 500 SOUTH (EAST SIDE)	665					86,450		
01301		G13-3 MICHIGAN AVENUE (980 S) - 1300 EAST TO 1500 EAST	1,635					212,550		
01301		G13-3 VIRGINIA STREET (1345 E) - CRESTLINE CIRCLE (350 N) TO FIFTH AVENUE (250 N)	720					90,000		
01301		G13-4 HIDDEN OAKS DRIVE (3370 E) - RUSSELL PARK DRIVE (8850 S) NORTH TO THE END OF THE STREET	1,260					163,800		
01301		G13-4 GRAND OAKS DRIVE (3465 E) - RUSSELL PARK ROAD (8679 S) TO RUSSELL PARK ROAD (8635 S)	1,285					167,050		
01301		G13-4 SCANDIA WAY (8230 S) / NORDIC DRIVE (8200 S) - FINLANDIA WAY (3025 E) TO DANISH ROAD (3110 E)	1,025					133,250		
01301		G13-4 SUPERNAL WAY (3615 E) - TOP OF THE WORLD DRIVE (3675 E) TO LORA LEE CIRCLE (8340 S)	810					105,300		
01301		G12-5 BARBEY DRIVE (2800 S) - 2570 EAST TO 2700 EAST	1,030					128,750		
01301		G12-5 WAINWRIGHT ROAD (2605 E) - BARBEY DRIVE (2800 S) TO 2900 SOUTH	960					120,000		
01301		G12-5 DEVEREAUX WAY (2550 E) - WAINWRIGHT ROAD (2605 S) TO 2900 SOUTH	790					98,750		
		VARIOUS	453					104,470		
			18,909					2,461,300		
01301		G14-1 MORNINGSIDE DRIVE (4060 S) / 3075 E - DELSA DRIVE (3990 S) TO PINETREE DRIVE (2980 E)	900						117,000	
01301		G14-1 ENCHANTED HILLS DRIVE (7510 S) - MAGIC HILLS DRIVE (3450 E), WEST TO END OF THE MAIN	1,700						221,000	
01301		G14-1 MOUNTAIN ESTATES DRIVE (3355 E) - BENGAL BOULEVARD (7800 S) TO 7635 SOUTH	1,100						143,000	
01301		G14-1 COUNTRY MANOR ROAD (7620 S) - 3500 EAST TO COUNTRY HOLLOW DRIVE (7510 S)	1,160						150,800	
01301		G14-2 NEW STAR DRIVE (1785 W) - NORTH STAR DRIVE (300 N) SOUTH TO THE END OF THE STREET	925						120,250	
01301		G14-2 SOUTH TEMPLE (1 S) - 1000 WEST TO THE JORDAN RIVER (APPROX. 1120 W)	1,735						225,550	
01301		G14-2 BUCCANEER DRIVE (1160 W) - 1000 NORTH TO 1103 NORTH	690						89,700	
01301		G14-2 DUPONT AVENUE (1335 N) - AMERICAN BEAUTY DRIVE (1030 W) - 990 WEST	520						67,600	
01301		G14-2 DULUTH AVENUE (1550 N) - 900 WEST TO DEXTER STREET (840 W)	355						46,150	
01301		G14-2 900 WEST - DULUTH AVENUE (1550 N) TO 1500 NORTH	295						38,350	
01301		G14-3 400 SOUTH - EMERY STREET (1170 W) TO APPROX. 1145 WEST (SOUTH SIDE MAIN)	200						26,000	
01301		G14-3 400 SOUTH - GOSHEN STREET (1040 W) TO APPROX. 1130 WEST (NORTH SIDE MAIN)	690						89,700	
01301		G14-4 7590 SOUTH - 3395 EAST TO 3500 EAST	710						88,750	
01301		G14-4 AVONDALE DRIVE (3700 E) - 7650 SOUTH TO APPROX. 3623 EAST (END OF EXTENSION)	890						115,700	
01301		G14-4 BISCAYNE DRIVE (2975 E) - BENGAL BOULEVARD (7800 S) TO OAKVIEW CIRCLE (7725 S)	620						80,600	
01301		G14-4 2500 EAST - CHALET ROAD (8030 S) TO 8200 SOUTH	1,340						174,200	
01301		G14-5 2700 EAST - 4215 SOUTH TO MAURICE DRIVE (4345 S)	1460						189,800	
01301		G14-5 NORDIC DRIVE (8200 S) / SCANDIA WAY (8230 S) - FINLANDIA WAY (3025 E) TO DANISH ROAD (3110 E)	1025						133,250	
01301		G14-5 4290 SOUTH (WELL HOUSE MAIN) - GLENNA DRIVE (2575 E) - TO 2700 EAST	400						52,000	
01301		G14-6 U OF U - 22" WSP IN FRONT OF OSBORNE HALL NORTH THROUGH PARKING LOT	800						250,000	
		VARIOUS	3568						80,600	
			21,083						2,500,000	

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<b>MASTER PLAN PROJECTS</b>										
01301		UPGRADE SYSTEM FOR FIRE PROTECTION - BIG COTTONWOOD	37,000	3,500,000	3,500,000					
01301		UPGRADE SYSTEM FOR FIRE PROTECTION - GREEN DITCH	25,000		4,500,000					
01301		700 NORTH - EAST CAPITOL BLVD. TO EAST CAPITOL STREET - 12" MAIN			40,000					
01301	513301529	300 EAST - 3300 SOUTH TO 3900 SOUTH - INSTALL MANHOLES ONLY	40	50,000						
01301		PIPELINE FROM TERMINAL RESERVOIR TO 300 EAST ALONG I-80 (CONSULTANT)								
01301		PIPELINE FROM VICTORY RESERVOIR TO ENSIGN RESERVOIR								
01301	513301529	300 EAST - 3300 SOUTH TO 3900 SOUTH	4,840			725,000				
01301		ARTESIAN BASIN LINES - MARCUS RESERVOIR TO ARTESIAN BASIN (CIPP LINER)	20,000			50,000			2,500,000	
01301		VICTORY ROAD LINES - PUMP STATION TO ENSIGN DOWNS (18")	9,000							
01301		MILLCREEK TREATMENT PLANT LINE - TANK TO WASATCH BLVD (24")	3,000							
01301		CITY CREEK TREATMENT LINE TO MORRIS RESERVOIR (12" OR 18" MATCH EXISTING)	2,000				800,000			
01301		FOOTHILL DRIVE (2100 E) - 900 SOUTH TO 1300 SOUTH	3,980							2,000,000
01301		WASTEWATER REUSE	BOND							
				6,961,500	11,561,160	3,379,940	3,365,200	2,461,300	5,000,000	2,000,000
<b>TOTAL DISTRIBUTION MAINS &amp; HYDRANTS</b>				<b>8,440,900</b>	<b>13,561,160</b>	<b>5,379,940</b>	<b>5,665,200</b>	<b>4,461,300</b>	<b>7,000,000</b>	<b>3,300,000</b>
<b>WATER SERVICE CONNECTIONS - 2730.09</b>										
02201	51390014	LARGE METER REPLACEMENTS		400,000	400,000	400,000	400,000	400,000	400,000	
01701	51390015	SERVICE LINE REPLACEMENTS		1,200,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	
02401	51390016	SMALL METER PROGRAM		350,000	400,000	400,000	400,000	400,000	400,000	
03301	51390017	NEW SERVICE CONNECTIONS		200,000	400,000	400,000	400,000	400,000	400,000	
03201	51390020	WATER METER REPLACEMENT PROGRAM		500,000	500,000	500,000	500,000	500,000	500,000	
				2,650,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	0
<b>LANDSCAPING - 2730.20</b>										
00601		CITY CREEK CANYON FIRE BREAK PROJECT			100,000					
00601		NORTH SALT LAKE FENCE AND GATE PROJECT			25,000					
00801		ASPHALT PARLEYS PARKING LOT			50,000					
02201		ASPHALT SHOP YARD		170,000						
02201		ASPHALT EMPLOYEE PARKING LOT		100,000						
03201		11TH AVENUE DEMONSTRATION GARDEN		100,000						
03201		ADMINISTRATION BUILDING - CONSERVATION IMPROVEMENTS								150,000
				370,000	175,000	0	0	0	0	150,000
<b>TOTAL CAPITAL IMPROVEMENTS</b>				<b>18,637,900</b>	<b>22,376,160</b>	<b>11,809,940</b>	<b>14,690,200</b>	<b>11,061,300</b>	<b>21,920,000</b>	<b>49,935,000</b>
<b>REPLACING VEHICLE #</b>										
2750.10		<b>AUTOMOBILES &amp; TRUCKS</b>								
00101		1/4 TON 4 WHEEL DRIVE PICKUP	3079		25,000					
00101		1/4 TON PICKUP EXT CAB			18,000					
00601		1/4 TON PICKUP EXT CAB 4X4	3053		31,000					
00601		1/4 TON PICKUP EXT CAB 4X4	31010		31,000					
01301		1/4 TON PICKUP EXT CAB	3022		25,000					
01401		3/4 TON EXT CAB 4X4 LONG BED	3074	124,000	45,000					
01501		3/4 TON 4X4 W/UTILITY BED	31090		35,000					
01601		1/4 TON PICKUP EXT CAB		33,000	25,000					
01601		1/4 TON PICKUP EXT CAB		33,000	25,000					
01701		10 WHEEL DUMP TRUCK	31026		130,000					
01701		2 1/2 TON V&H TRUCK W/SERVICE BODY		130,000	150,000					
01701		2 1/2 TON V&H TRUCK W/SERVICE BODY		130,000	150,000					
01701		1/4 TON PICKUP EXT CAB	31076		25,000					
01701		1/4 TON PICKUP EXT CAB	31051		25,000					
02501		1/4 TON PICKUP EXT CAB 4X4 W/SELF	31070		35,000					
02601		1/4 TON PICKUP EXT CAB	3661	31,800	25,000					
02601		1/4 TON PICKUP EXT CAB	30860	31,800	25,000					
02801		1/4 TON PICKUP EXT CAB	31030	31,800	25,000					
02801		1/4 TON PICKUP EXT CAB	31050	31,800	25,000					
00101		1 1/2 TON DUMP		75,000						
02301		VARIOUS				1,200,000	1,200,000	1,200,000	1,200,000	

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				2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
00101		1 TON DUMP		65,000						
01501		SUV 4X4 - HYBRID		33,000						
01701		1 TON HD C&C W/DUMP BED		35,500						
02201		1 TON HD CAB & CHASSIS W/SELF CONTAIN WELDER & BED		45,000						
02401		1/2 TON 4X4 EXT CAB SHORT BED		40,000						
02401		1/4 TON PICKUP EXT CAB		40,000						
03001		SUV 4X4 - HYBRID		33,000						
				943,700	875,000	1,200,000	1,200,000	1,200,000	1,200,000	0
2750.30		FIELD MAINT EQUIPMENT - MOTIVE								
00601		(2) ATVs			15,000					
02501		1 TON BUCKET W/UTILITY BED 450F			100,000					
01701		BACKHOE EXCHANGE PROGRAM		88,000	90,000	90,000	90,000	90,000	90,000	
		VARIOUS IMPROVEMENTS				200,000	200,000	200,000	200,000	
00101		D R MOWER								
00101		REAR TOW MOWER		10,000						
00101		BACKHOE (Exchange)		7,900						
00101		TRACTOR/MOWER								
00101		TRANSPORT TRAILER		30,000						
00101		TRACK EXCAVATOR		68,000						
01701		TRANSPORT TRAILER		30,000						
01701		TRANSPORT TRAILER		30,000						
01701		BACKHOE 4X4		100,000						
01701		BACKHOE 4X4		100,000						
01801		MOWER								
00601		HAZARDOUS SPILL TRAILER - NEW								
				463,900	205,000	290,000	290,000	290,000	290,000	0
2760.10		PUMP PLANT EQUIPMENT - WIP 2774.10								
02501		MT. OLY MOTER CONTROL			80,000					
02501		DYER'S INN WELL (NEW MOTOR)			27,000					
02501		UPPER ELLISON (AIR COOLING UNIT)			8,000					
02501		UPPER ELLISON (MOTOR REPLACEMENT)			50,000					
02501		OAKHILLS PS (UPGRADE #1 TO 125 HP MOTOR)			15,000					
02501		OAKHILLS PS (VFD)			30,000					
02501		45TH SOUTH PS (UPGRADE #1 - PUMP, MOTOR, VFD)			20,000					
02501		VARIOUS IMPROVEMENTS				100,000	100,000	100,000	100,000	
02501		BRINTON SPRINGS (RE-BUILD PUMP)		38,000						
02501		13TH & 27TH WELL MOTOR CONTROL		80,000						
02501		REPLACE POWER TRANSFORMER EAST BENCH PUMP STATION		30,000						
02501		PUMPS & MOTOR BIRCH DR PUMP STATION		16,000						
02501		MOTOR RESEARCH PARK PUMP STATION		12,000						
02501		MT OLYMPUS SOFT START #3		8,000						
02501		BASKIN RES (ELECTRIC VALVE OPERATOR)		8,000						
02501		EAST BENCH PS (MOTOR CONTROL CENTER)		80,000						
02501		EAST BENCH PS (UPGRADE #5 TO VERTICAL TURBINE))		25,000						
02501		EAST BENCH PS (SOFT START FOR #5)		10,000						
02501		EAST BENCH PS (SOFT START FOR #8)		10,000						
02501		MT. OLYMPUS PS (SOFT START FOR #5)		10,000						
02501		MILITARY PUMP STATION (STANDBY GENERATOR AND EQUIP)								
				327,000	230,000	100,000	100,000	100,000	100,000	0
2760.20		TREATMENT PLANT EQUIPMENT - WIP 2774.10								
00801		SECURITY SYSTEM UPGRADE			45,000					
00901		ON-LINE INSTRUMENTATION			50,000					
01801		TREATMENT PLANT PREVENTITIVE MAINTENANCE PROGRAM			100,000					
		VARIOUS				200,000	200,000	200,000	200,000	
00701		BW TANK REHAB		25,000						
00701		FLUORIDE SAFETY METERS		7,500						

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00701		CHEMICAL FEED SCALES		15,000						
00701		LOWER POLY BUILDING HEATERS		17,000						
00701		PAINTING FILTER GALLERY		50,000						
00801		REPLACE 30' BUTTERFLY VALVE		25,000						
00801		FLUORIDE SAFETY METERS								
00801		CHEMICAL FEED SCALES		20,000						
00801		CHEMICAL FEED SCALES		25,000						
00801		FLUORIDE CONTAINMENT		15,000						
00801		KMNO4 FEEDER REPLACEMENT				80,000				
00801		FLASH MIXERS				50,000				
00801		PANEL ROOM CHARTS					50,000			
00801		VALVE HOUSE REHAB (INCLUDING STAIRS)					50,000			
00901		CHEMICAL FEED SCALES		15,000						
00901		RECIRCULATION PUMPS (5)		100,000						
00901		PLC FILTER BUILDING		40,000						
00901		FLUORIDE CONTAINMENT		50,000						
00901		PLANT FLOW METER / MONITORING SITE		65,000						
00901		STUDY TO REPLACE OR REPAIR INTAKE STRUCTURE		15,000						
00901		FLUORIDE SAFETY METERS		7,500						
00801		CHEMICAL FEED SCALES		20,000						
00901		REPLACE ENTRANCE GATES AT LOWER END OF PLANT						15,000		
01301		SAMPLING SITES IN DISTRIBUTION SYSTEM						150,000		
01301		REPLACEMENT OF HYDROLAB FIELD WQ EQUIPMENT, AND MISCELLANEOUS FIELD ANALYZERS				50,000				
01301		PORTABLE TOC ANALYZER				25,000				
01301		PLACEMENT OF BUOY ANCHORS IN MOUNTAIN DELL AND LITTLE DELL RESERVOIRS				15,000				
01301		REPLACEMENT OF SOLARBEE INTAKE CONDUIT (2-3 YEARS OUT)				25,000				
01301		REPLACE DOWNSTREAM DATA LOGGERS, COMMUNICATIONS, ETC. FROM PARLEYS TO JORDAN RIVER				50,000				
				512,000	195,000	495,000	300,000	365,000	200,000	0
2760.30		TELEMETRY EQUIPMENT								
01501		TELEMETRY IMPROVEMENTS		50,000	50,000		50,000	50,000	50,000	
00101		IRRIGATION SCADA SYSTEM - PHASE I			50,000					
01801		WATER QUALITY PROGRAM			100,000					
01501		SCADA SYSTEM REPLACEMENT				250,000				
				50,000	200,000	250,000	50,000	50,000	50,000	0
2760.50		OFFICE FURNITURE & EQUIPMENT								
01301		COPIER			15,000					
03201		SOFTWARE UPGRADE			30,000	30,000	30,000	30,000	30,000	
03201		BILLING SYSTEM UPGRADE			150,000	150,000				
03201		VARIOUS				50,000	50,000	50,000	50,000	
02701		BILLING COMPUTER						25,000		
02901		COPIER								
02801		UPGRADE SWITCH VIEW SERVER		30,000						
03201		OFFICE FURNITURE		10,000						
03201		TELEPHONE SYSTEM		175,000						
03201		FILE STORAGE SYSTEM								
03401		ACCELA ADDITIONAL SOFTWARE		40,000						
				255,000	195,000	230,000	80,000	105,000	80,000	0
2760.90		OTHER NON-MOTIVE EQUIPMENT								
01501		NEW RADIOS		18,000	20,000	20,000	20,000	20,000	20,000	
01601		METROTECH 810DX		3,200	5,300					
01601		HP Plotter			8,000					
01601		Leak Detection Loggers			15,000					
02601		HANDHELD METER READING DEVICES		40,000	20,000	20,000				
03201		GPS VEHICLE MANAGEMENT / TRACKING SYSTEM			25,000					400,000
03201		VARIOUS				50,000	50,000	50,000	50,000	

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COST CENTER NUMBER	PROJECT DESCRIPTION	FEET OF PIPE	FISCAL YR 2008-09	FISCAL YR 2009-10	FISCAL YR 2010-11	FISCAL YR 2011-12	FISCAL YR 2012-13	FISCAL YR 2013-14	PROJECTS DELAYED
01701	EMERGENCY PIPING		100,000						
01501	RADIO UPGRADE - CITY PAYMENT		280,000						
01501	ANTENNA TOWER FOR SCADA AND RADIO SYSTEM (REPLACEMENT)		10,000						
02201	CEMENT MIXERS		12,000						
02201	CAMERA AND RECORDER FOR 700 SOUTH SITE		5,000						
01601	NEW DIGITAL LEVEL AND STAND		2,000						
01601	SUB-METER MAPPING GRADE GPS		4,000						
01601	SURVEY GRADE GPS TO REPLACE OLD 4700 (2) \$20000 EACH		40,000						
01601	LMIC LEAK FINDER \$2800 EACH		5,600						
01601	SCANNER								
01601	SOFTWARE UPGRADES ARCVIEW 3X TO ARCGIS \$640 EACH X 5								
01601	IMAGERY UPDATES LIDAR DATA FOR YEAR 2006								
03001	GAS DETECTOR REPLACEMENT		70,000						
			589,800	93,300	90,000	70,000	70,000	70,000	400,000
	<b>TOTAL CAPITAL OUTLAY</b>		<b>3,141,400</b>	<b>1,993,300</b>	<b>2,655,000</b>	<b>2,090,000</b>	<b>2,180,000</b>	<b>1,990,000</b>	<b>400,000</b>
	<b>TOTAL CAPITAL</b>		<b>21,779,300</b>	<b>24,369,460</b>	<b>14,464,940</b>	<b>16,780,200</b>	<b>13,241,300</b>	<b>23,910,000</b>	<b>50,335,000</b>
			0						



**SEWER UTILITY  
ENTERPRISE FUND  
BUDGET SUMMARY  
FY 2010-12**

<u>SOURCES</u>	ACTUAL 2007-08	AMENDED BUDGET 2008-09	PROJECTED ACTUAL 2008-09	Rate increase n/a	Rate increase n/a	Rate increase 4%
				PROPOSED BUDGET 2009-10	FORECAST BUDGET 2010-11	FORECAST BUDGET 2011-12
<b>REVENUES</b>						
METERED SALES	17,504,980	\$16,500,000	\$16,500,000	\$16,500,000	\$16,500,000	\$17,160,000
INTEREST INCOME	1,365,286	400,000	400,000	250,000	250,000	175,000
OTHER REVENUES	220,170	242,000	242,000	220,000	220,000	220,000
<b>TOTAL REVENUES</b>	<b>19,090,436</b>	<b>17,142,000</b>	<b>17,142,000</b>	<b>16,970,000</b>	<b>16,970,000</b>	<b>17,555,000</b>
<b>OTHER SOURCES</b>						
IMPACT FEES	852,047	350,000	350,000	350,000	200,000	200,000
GRANTS & OTHER RELATED REVENUES	1,435,775	500,000	500,000	500,000	500,000	500,000
OTHER SOURCES	27,482	10,000	10,000	10,000	10,000	10,000
BOND PROCEEDS	0	0	0	0	0	0
<b>TOTAL OTHER SOURCES</b>	<b>2,315,304</b>	<b>860,000</b>	<b>860,000</b>	<b>860,000</b>	<b>710,000</b>	<b>710,000</b>
<b>TOTAL SOURCES</b>	<b>\$21,405,740</b>	<b>\$18,002,000</b>	<b>\$18,002,000</b>	<b>\$17,830,000</b>	<b>\$17,680,000</b>	<b>\$18,265,000</b>
<b>EXPENSES &amp; OTHER USES</b>						
<b>EXPENDITURES</b>						
PERSONAL SERVICES	\$5,806,269	\$6,849,872	\$6,849,872	\$6,764,583	\$7,004,252	\$7,074,295
OPERATING & MAINTENANCE	1,097,353	1,306,010	1,306,010	1,221,310	1,245,716	1,270,605
TRAVEL & TRAINING	10,740	48,294	48,294	46,294	31,920	32,559
UTILITIES	616,836	868,801	868,801	877,198	894,741	912,634
PROF & CONTRACT SERVICES	1,514,499	1,475,750	1,475,750	1,653,250	1,686,315	1,720,041
DATA PROCESSING	181,680	208,200	208,200	208,200	212,364	216,611
FLEET MAINTENANCE	267,954	310,000	310,000	290,000	295,800	301,716
ADMINISTRATIVE SERVICE FEE	118,588	125,000	125,000	125,000	127,500	130,050
PAYMENT IN LIEU OF TAXES	385,082	369,000	369,000	369,000	376,380	383,908
OTHER CHARGES AND SERVICES	(71,066)	(46,075)	(46,075)	(28,995)	(29,575)	(30,166)
<b>TOTAL EXPENDITURES</b>	<b>9,927,935</b>	<b>11,514,852</b>	<b>11,514,852</b>	<b>11,525,840</b>	<b>11,845,413</b>	<b>12,012,253</b>
<b>OTHER USES</b>						
CAPITAL OUTLAY	478,348	2,447,000	1,947,000	2,399,100	2,341,500	1,444,000
CAPITAL IMPROVEMENT BUDGET	5,611,600	8,662,000	9,608,900	13,090,000	6,735,000	4,935,000
DEBT SERVICES	1,843,709	1,935,000	1,935,000	1,935,000	1,935,000	1,935,000
<b>TOTAL OTHER USES</b>	<b>7,933,657</b>	<b>13,044,000</b>	<b>13,490,900</b>	<b>17,424,100</b>	<b>11,011,500</b>	<b>8,314,000</b>
<b>TOTAL USES</b>	<b>\$17,861,592</b>	<b>\$24,558,852</b>	<b>\$25,005,752</b>	<b>\$28,949,940</b>	<b>\$22,856,913</b>	<b>\$20,326,253</b>
<b>EXCESS REVENUE AND OTHER SOURCES OVER (UNDER) USES</b>						
	\$3,544,148	(\$6,556,852)	(\$7,003,752)	(\$11,119,940)	(\$5,176,913)	(\$2,061,253)
<b>OPERATING CASH BALANCES</b>						
BEGINNING JULY 1	30,233,873	33,778,021	33,778,021	26,774,269	15,654,329	10,477,416
ENDING JUNE 30	33,778,021	27,221,169	26,774,269	15,654,329	10,477,416	8,416,163
Cash Reserve Ratio	340%	236%	233%	136%	88%	70%
Cash reserve goal above 9%						

## SEWER UTILITY CASH FLOW

	ACTUAL YEAR 2007-2008	CURRENT YEAR 2008-2009	BUDGET YEAR 2009-2010	BUDGET YEAR 2010-2011	BUDGET YEAR 2011-2012	BUDGET YEAR 2012-2013	BUDGET YEAR 2013-2014
SEWER SALES	17,500,895	16,500,000	16,500,000	16,500,000	17,160,000	17,846,400	18,560,256
OTHER INCOME	144,203	242,000	220,000	220,000	220,000	220,000	220,000
INTEREST INCOME	1,365,286	400,000	250,000	250,000	175,000	175,000	100,000
OPERATING INCOME	19,010,384	17,142,000	16,970,000	16,970,000	17,555,000	18,241,400	18,880,256
OPERATING EXPENSES	(9,927,935)	(11,514,852)	(11,525,840)	(11,845,413)	(12,012,253)	(12,132,376)	(12,253,699)
NET INCOME EXCLUDING DEP.	9,082,449	5,627,148	5,444,160	5,124,587	5,542,747	6,109,024	6,626,557
IMPACT FEES	852,047	350,000	350,000	200,000	200,000	200,000	200,000
BOND PROCEEDS		0	0	0	0	10,000,000	0
OTHER CONTRIBUTIONS	1,543,308	510,000	510,000	510,000	510,000	510,000	510,000
CAPITAL OUTLAY	(478,347)	(1,847,000)	(2,399,100)	(2,341,500)	(1,444,000)	(1,308,000)	(1,589,000)
ADDITIONAL DEBT SERVICE						1,000,000	(1,500,000)
DEBT SERVICE	(1,843,709)	(1,935,000)	(1,935,000)	(1,935,000)	(1,935,000)	(1,935,000)	(1,935,000)
OTHER INCOME & EXPENSE	73,299	(2,922,000)	(3,474,100)	(3,566,500)	(2,669,000)	8,467,000	(4,314,000)
AVAILABLE FOR CAPITAL	9,155,748	2,705,148	1,970,060	1,558,087	2,873,747	14,576,024	2,312,557
CAPITAL IMPROVEMENTS	(5,611,600)	(9,708,900)	(13,090,000)	(6,735,000)	(4,935,000)	(19,955,000)	(15,885,000)
CASH INCREASE/(DECREASE)	3,544,148	(7,003,752)	(11,119,940)	(5,176,913)	(2,061,253)	(5,378,976)	(13,572,443)
BEGINING CASH BALANCE	30,233,873	33,778,021	26,774,269	15,654,329	10,477,416	8,416,163	3,037,187
CASH INCREASE/(DECREASE)	3,544,148	(7,003,752)	(11,119,940)	(5,176,913)	(2,061,253)	(5,378,976)	(13,572,443)
ENDING BALANCES	\$33,778,021	\$26,774,269	\$15,654,329	\$10,477,416	\$8,416,163	\$3,037,187	(\$10,535,256)
RATE CHANGE		0.00%	0.00%	0.00%	4.00%	4.00%	4.00%
ANNUAL RESIDENTIAL SEWER BILL (1990=\$76.80)		130.50	130.50	130.50	135.72	141.15	146.79
Cash Reserve Ratio		233%	136%	88%	70%	25%	-86%
Impact Fee per ERU		500	500	500	500	500	500
Number of ERU connections		700	700	400	400	400	400
Debt Service Coverage		2.91	2.81	2.65	2.86	6.53	1.93



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	<b>271010</b>	<b>LAND</b>								
12201		LAND (BIO SOLID LAND APPLICATION)						500,000		
				0	0	0	0	500,000	0	0
	<b>2772.10</b>	<b>MAINTENANCE &amp; REPAIR SHOPS - 2720.10</b>								
11201	524905190	PLANT SECURITY SYSTEM			125,000					
11201		EAST MAINTENANCE HVAC			150,000					
11201		NEW ROOF & AVAC FOR LAB BUILDING			340,000					
11201	524905204	ADMINISTRATIVE BUILDING EXTENSION								900,000
11201		REROOF AND PAINTING OF DIGESTER CONTROL BUILDING				150,000				
11201		REROOF PUMP PLANT OPERATIONS BUILDING		30,000	0					
12201		REPLACE NATURAL GAS LINE					600,000			
				30,000	615,000	150,000	600,000	0	0	900,000
	<b>2772.10</b>	<b>LIFT STATIONS - 2720.05</b>								
10101		PUMP REPLACEMENT		50,000	50,000	50,000	50,000	50,000	50,000	
10101		NINIGRET LIFT STATION		50,000						
10101		BONNEVILLE LIFT STATION		50,000						
				150,000	50,000	50,000	50,000	50,000	50,000	0
	<b>2772.10</b>	<b>TREATMENT PLANTS - 2720.30</b>								
11201	524905164	ODOR CONTROL		100,000	200,000	300,000				
11201		SEISMIC UPGRADE			100,000	100,000		100,000		
11201		CLARIFIER REBUILD (ONE UNIT PER YEAR)		35,000	35,000	35,000	35,000	35,000	35,000	
11201		UPGRAGE SCADA		50,000	250,000	250,000				
11201		DIGESTER GAS HOLDER REPLACEMENT		250,000	3,000,000	3,000,000				
11201		PRIMARY SLUDGE SCREEN EQUIPMENT REPLACEMENT - ROTO STEP REBUILD			500,000					
11201		CONDITIONAL ASSESSMENT OF RAG RAKE BUILDING			50,000					
11201		HYDRAULIC ANALYSIS OF THE TRICKLING FILTER PUMP STATION			75,000					
11201		INSTALLATION OF WEIRS AND BAFFLES FOR SECONDARY CLARIFIERS 5 & 6			1,000,000					
11201		DOOR REPLACEMENT - 10 PER YEAR FOR THREE YEARS			50,000	50,000	50,000			
11201	524905187	COGEN		400,000						
11201	524905236	BIO SOLIDS STUDY		325,000						
11201	524905203	SECONDARY TREATMENT EXPANSION		2,000,000						
11201		PRIMARY CLAIRIFIER					350,000	3,500,000		
11201		MECHANICAL DEWATERING SYSTEM					500,000	2,900,000		
11201	524905197	ELECTRIC GATE ACTUATOR					50,000			
11201	524905184	ALTERNATIVE DISINFECTION SYSTEM STUDY		50,000					13,000,000	
11201	524905238	FIBER OPTIC DESIGN REVIEW & RECOMMENDATION		10,000						
11201		IRON SPONGE		350,000						
11201	525002080	OIL DRAIN ALTERNATIVE		5,000						
				3,575,000	5,260,000	3,735,000	985,000	6,535,000	13,035,000	0
	<b>2773.10</b>	<b>COLLECTION LINES - 2730.14</b>								
		<b>CITY, COUNTY, STATE AND MISC. DRIVEN PROJECTS</b>								
10401	525001707	GLADIOLA STREET (2900 W) - 500 SOUTH TO 1820 SOUTH (PN 103007)	10,032		1,000,000					
10401		900 EAST - 900 SOUTH TO 2100 SOUTH (MISC REPAIRS NECESSARY) APPROX. 400LF	5,300		215,000					
10401		600 NORTH - 200 WEST TO 300 WEST								
10401	525002312	HARVARD AVENUE - 1300 EAST TO 80 FEET WEST OF NORMANDIE CIRCLE		40,000						
10401		PRINCETON AVENUE - 700 EAST TO 800 EAST								
10401		NORMANDIE CIRCLE - HARVARD AVENUE TO CIRCLE TERMINUS		6,000						
10401	525002313	PRINCETON AVENUE - 1500 EAST TO 1800 EAST			55,000					
10401	525002316	HARVARD AVENUE - 1600 EAST TO 1800 EAST			57,000					
10401	525002317	YALE AVENUE - 1700 EAST TO 1900 EAST			35,000					
10401	525002318	HERBERT AVENUE - 1700 EAST TO 1800 EAST			36,000					

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10401	525002319	MILITARY DRIVE - YALECREST AVENUE TO 900 SOUTH		32,000						
10401		1300 EAST - SOUTH TEMPLE TO 500 SOUTH						20,000		
10401		YALE AVENUE - 700 EAST TO 800 EAST (ALLEY EAST OF 700 EAST I120 TO I160 S)		20,000						
10401		PRINCETON AVENUE - 700 EAST TO 800 EAST		20,000						
10401		800 SOUTH - 1300 EAST TO 1400 EAST		20,000						
10401		200 EAST - 800 SOUTH TO 900 SOUTH		20,000						
10401		200 SOUTH - STATE STREET TO 200 EAST		20,000						
10401		700 EAST - SOUTH TEMPLE TO 100 SOUTH		20,000						
10401		800 SOUTH - 1200 EAST TO 1300 EAST		20,000						
10401		FREMONT AVENUE - MAIN STREET TO WEST TEMPLE		20,000						
10401		200 SOUTH - 600 WEST TO 750 WEST (WEST OF I15)		20,000						
10401	525002297	1300 EAST - SOUTH TEMPLE TO 250 SOUTH CIPP		67,000						
10401		1300 EAST - SOUTH TEMPLE TO 500 SOUTH D&R & 4 MANHOLE INSTALLATION 130 LF 8" PIPE FUTURE PROJECT		85,000						
10401		EMBASSY WAY AMBASSADOR TO 1390 SOUTH		30,000						
10401		HARVARD AVE (I125) SOUTH 1800 E TO 1900 E BAD ROOTS		18,000						
10401		HARRISON AVE 1700 EAST TO 1800 EAST		20,000						
10401		HARRISON AVE 1700 EAST TO 1800 EAST POSSIBLE 35' REPAIR NEEDED		20,000						
10401		CORNELL CIR. (I733E 1300 S) BAD ROOTS OPEN UP FT		12,000						
10401		1800 EAST PRINCETON TO YALE POSSIBLE 35 LF REPAIR FUTURE CIPP		28,000						
10401		SUNNYSIDE AVENUE - 1400 EAST TO GUARDSMAN WAY 2009/10		20,000						
10401		500 SOUTH - MONTGOMERY STREET TO REDWOOD ROAD 2009/10		20,000						
10401		300 SOUTH - REDWOOD ROAD TO CONCORD 2009/10		20,000						
10401	525002344	POST STREET - 300 SOUTH TO 314 SOUTH 2009/10		3,400						
10401	525002271	NAVAJO STREET (1335 W) - 300 SOUTH TO 400 SOUTH 2009/10	405	45,000						
10401		PIERPOINT AVE 300 TO 400 WEST 2009/10		20,000						
10401		LOCAL STREETS RECONSTRUCTION 2009/2010 (NOT DEFINED BY PS ENGINEERING YET)	15,737	849,400	1,215,000	0	0	20,000	0	0
		<b>OTHER PROJECTS</b>								
10401		EMERGENCIES - MISC. LOCATIONS		100,000	100,000	100,000	100,000	100,000	100,000	
10401		MISC. PUBLIC SERVICE PROJECTS		200,000	200,000	200,000	200,000	200,000	200,000	
10401		CONTRIBUTIONS BY DEVELOPERS		500,000	500,000	500,000	500,000	500,000	500,000	
				800,000	800,000	800,000	800,000	800,000	800,000	0
		<b>REPLACE VARIOUS COLLECTION LINES</b>								
10401	525002060	EASEMENT 750 SOUTH - STATE STREET TO 200 EAST (CIPP)	580	60,000						
10401	525002072	BELMONT AVENUE STATE STREET OT 300 EAST		100,000						
10401	525001955	NORTH MAIN STREET AND APRICOT TO GIRARD AVENUE		80,000						
10401	525002268	SOUTH TEMPLE 300 WEST (NORTH WEST CORNER)		5,000						
10401	525002060	ALLEYS EAST AND WEST OF MARION STREET		26,000						
10401	525002182	900 SOUTH 700 EAST TO 900 EAST AND ALLEY		150,000						
10401	525002260	TRAX INTERMODAL HUB		5,000						
10401	525002261	VINE STREET CENTER STREET TO 300 NORTH		21,000						
10401	525002263	500 NORTH 700 WEST TO GRANT ST.		2,000						
10401	525002222	300 SOUTH 600 EAST TO 800 EAST		40,000						
10401		6TH AVENUE - "B" TO "C" STREET	365	27,000						
10401		1900 EAST WILMINGTON (PARLEYS CYN BLVD.) TO 2100 SOUTH (NEED VIDEO TO PARLEYS CANYON BL	1,610	38,000						
10401	525002147	NORTH MAIN - 300 NORTH TO CENTER ST INCOMPLETE VIDEO BROKEN PIPE AND ROOTS BAD	700	26,000						
10401		200 EAST - 400 TO 500 SOUTH EAST SIDE I20' D&R	120	35,000						
10401		MANHOLE RESTORATIONS VARIOUS LOCATIONS 5600 WEST 700/500 SOUTH		750,000						
10401		MISC PUBLIC SERVICES PROJECTS VIDEO WALNUT RAMBLER AMERICAN BEAUTY 800 NORTH SIR PH	200	65,000						
10401		ALLEY NORTH OF SIMONDI AVE 800 TO 900 WEST 735 LF 8" CIPP (BAD ROOTS) AND 130 LF D&R REPAIR		70,000						
10401		MISC PROJECTS	3,575	224,500						
10401		200 EAST - 900 SOUTH TO 930 SOUTH D&R (30 FT REPAIR)	30	10,000						
10401		900 SOUTH - 700 EAST TO 925 EAST AND 975 E TO 1000 E (NORTH SIDE) AND ALLEY EAST OF 900 EAST	4,160	150,000						
10401		MANHOLE RESTORATIONS VARIOUS LOCATIONS 5600 WEST 700 SOUTH (1300 LF)	1,300	450,000						
10401		500 EAST - 900 TO 1300 SOUTH (POSSIBLE REPAIR REQUIRED) 317 LF 8" CIPP 12 15 LF 10" CIPP	1,540	60,000						
10401		1300 EAST - SOUTH TEMPLE TO 500 SOUTH (100 LF 8" PIPE REPLACEMENT 300 AND 400 SOUTH) 2550L	2,550	100,000						
10401		200 SOUTH - 400 TO 600 WEST REPAIRS NECESSARY	385	100,000						

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10401		NORTH STATE STREET - NORTH TEMPLE TO 300 NORTH (BAD ROOTS) CIPP	750	20,000						
10401		ALLEY NORTH OF SIMONDI AVE 850 TO 900 WEST ALLEY (ROOTS) CIPP	375	10,000						
10401		400 EAST - 800 TO 900 SOUTH EAST SIDE (INCOMPLETE VIDEO) NEEDS CIPP ROOTS SMALL BREAK	650	20,000						
10401		WEST TEMPLE AND 600 SOUTH - VERY BAD SAGS NE TO NW CORNERS D&R VERIFY W/ STP CARRIED FR	80	32,000						
10401		BROWNING AVENUE (1400 S) - 800 EAST TO LINCOLN STREET (954 E) (CIPP)	1,275	45,000						
10401		NORTH MAIN STREET - APRICOT AVE. (345 N) TO GIRARD AVE. (560 N) & APRICOT - N. MAIN TO CENT	1,800	80,000						
10401		900 SOUTH - GLENDALE STREET (1140 W) TO 1164 WEST	334	20,000						
10401		VINCENT COURT (640 E) - 330 SOUTH TO 300 SOUTH	305	110,000						
10401		400 NORTH - 1017 WEST TO 1061 WEST (SOUTH SIDE)	380	17,000						
10401		ALLEY AT 875 EAST BROWNING TO 1375 SOUTH	280	10,000						
10401		400 SOUTH - 400 WEST TO 500 WEST (NORTH SIDE)	380	100,000						
10401		800 EAST - 500 SOUTH SE CORNER TO 537 S EAST SIDE	392	20,000						
10401		ALLEY WEST OF 900 EAST - 900 SOUTH TO 942 SOUTH	333	17,000						
10401		600 EAST - 2100 SOUTH TO 2157 SOUTH	120	30,000						
10401		STATE STREET 910 SOUTH (WEST SIDE REDUCES)	9	10,000						
10401		STATE STREET AT BELMONT AVENUE (EAST SIDE REDUCES)	9	10,000						
10401		STATE STREET 1695 SOUTH (EAST SIDE REDUCES)	9	10,000						
10401		STATE STREET 1694 SOUTH (WEST SIDE REDUCES)	9	10,000						
10401		STATE STREET KENSINGTON AVENUE (WEST SIDE) APPROX. 33' NORTH OF MANHOLE STA. 119+25.0		25,000						
10401		1600 EAST - DOWINGTON AVENUE (1810 S) TO WILSON AVENUE (1780 S)	30	16,000						
10401		1500 EAST - 1300 SOUTH TO HARRISON AVENUE (1110 S)	570	13,000						
		<b>REHAB PROJECTS</b>								
10401		MANHOLE REHABILITATIONS			500,000					
10401		700 SOUTH 4700 WEST LIFT STATION WET WELL RELINING			50,000					
10401		1400 NORTH 1250 WEST BOX STRUCTURE REHABILITATION (AT PRE TREATMENT PLANT)			35,000					
		<b>D&amp;R AND CIPP PROJECTS</b>								
10401		STATE STREET BELMONT TO WILLIAMS AVE (EAST SIDE)	335		30,000					
10401		STATE STREET 910 SOUTH TO 940 SOUTH (WEST SIDE)	360		30,000					
10401		STATE STREET 1694 SOUTH (WEST SIDE)	375		30,000					
10401		STATE STREET KENSINGTON AVE TO 33' NORTH? 35 LF 10" CIPP + 340 LF 12" CIPP	380		35,000					
10401		STATE STREET 800 TO 900 S (WESTSIDE 800 TO 850 S EAST SIDE 850 TO 900 S)	705		21,000					
10401		AIRPORT ROAD 3700 WEST (490 N TO 600 N)	310		12,000					
10401		ZENITH AVE 1186 TO 1246 EAST	305		7,500					
10401		COLORADO STREET 1200 NORTH TO GOODWIN AVE (1150 NORTH )	230		110,000					
10401		VIRGINIA STREET SOUTH TEMPLE TO PERRY AVE	320		10,000					
10401		700 WEST (WARM SPRINGS) 745 TO 780 N	385		14,000					
10401		700 SOUTH STATE ST TO #50 EAST	450		220,000					
10401		AMERICAN AVE 1400 WEST TO PUEBLO	375		12,000					
10401		CRYSTAL AVE 2114 EAST TO STRATFORD	325		8,000					
10401		IOLA STREET (290 SOUTH) NAVAJO TO CONCORD	625		20,000					
10401		200 WEST 500 TO 600 SOUTH WEST SIDE	670		16,000					
10401		200 WEST 500 TO 600 SOUTH EAST SIDE	670		16,000					
10401		STEWART STREET 1218 TO 1244	350		8,500					
10401		400 NORTH 500 WEST TO HODGES LANE (650 WEST)	1,180		28,000					
10401		2300 EAST LIFT STATION AT BONNEVILLE GOLF COURSE DISCHARGE PIPE AND TO 9	535		90,000					
10401		400 NORTH 900 WEST TO 1000 WEST (NORTH SIDE)	665		35,000					
10401		200 NORTH 580 TO 600 WEST NORTH SIDE	200		115,000					
10401		U STREET ST AVE TO SOUTH TEMPLE	389		10,000					
10401		CHADWICK STREET 2771 TO 2800 SOUTH AND EASEMENT CHADWICK TO DEARBORN	595		15,000					
10401		1800 EAST 2240 SOUTH TO 2332 SOUTH	720		19,000					
10401		200 SOUTH 900 TO 1000 EAST NORTH SIDE	726		19,000					
10401		400 NORTH 900 WEST TO 1200 WEST (NORTH SIDE)	2,065		67,000					
10401		HARVARD AVE (1125) SOUTH 1800 E TO 1900 E	735		19,000					
10401		CORNELL CIR. (1733E 1300 S)	485		13,000					
10401		400 WEST 100 TO 140 NORTH WEST SIDE	365		190,000					
10401		400 NORTH 1000 TO 1200 WEST (SOUTH SIDE)	777		80,000					
10401		200 NORTH - 600 WEST TO 500 WEST (NORTH SIDE)	200		115,000					



Salt Lake City Corporation  
 Department of Public Utilities  
**SANITARY SEWER CAPITAL IMPROVEMENT PROJECTS**  
**SIX YEAR PROPOSAL**  
 2006thru 2012

Last Update  
 2/13/2009

CENTER	PROJECT NUMBER	DESCRIPTION	FEET OF PIPE	FISCAL YR 2008-2009	FISCAL YR 2009-2010	FISCAL YR 2010 - 2011	FISCAL YR 2011 - 2012	FISCAL YR 2012 - 2013	FISCAL YR 2013 - 2014	PROJECTS DELAYED
10601		BACKHOE EXCHANGE		8,000	9,000	9,000	9,000	9,000	9,000	
10801		T V VAN			190,000	190,000				
12201		10 WHEEL DUMP			130,000					
12201		BROWN BEAR			500,000					
12201		STREET SWEEPER			150,000					
10601		KNUCKLE BOOM REPLACEMENT		28,500						
10601		BACKHOE		90,000						
10601		HIGH PRESSURE TRUCK		260,000						
10601		VACTOR				290,000				290,000
11201		SELF PROPELLED TELESCOPIC BOOM LIFT		100,000						
11201		LOADER REPLACEMENT				260,000				
		VARIOUS				300,000	300,000	300,000	300,000	
				486,500	979,000	1,049,000	309,000	309,000	599,000	0
	2760.20	TREATMENT PLANT EQUIPMENT - WIP 2774.10								
12201		DIAPHRAGM PUMPS		300,000	300,000	300,000	300,000	300,000	300,000	
12201		BLOWERS		50,000	50,000	50,000	50,000	50,000	50,000	
12201		PUMPS		150,000	150,000	150,000	150,000	150,000	150,000	
12201		COMPRESSORS		50,000	50,000	50,000	50,000	50,000	50,000	
				550,000	550,000	550,000	550,000	550,000	550,000	0
	2760.30	TELEMETERING EQUIPMENT								
11201	524905149	TELEMETERING UPGRADE - REPLACE		10,000	10,000	10,000	10,000	10,000	10,000	
10101		SCADA SYSTEM REPLACEMENT				50,000				
				10,000	10,000	60,000	10,000	10,000	10,000	0
	2760.50	OFFICE FURNITURE & EQUIPMENT								
12201		SOFTWARE UPGRADE		10,000	15,000	15,000	20,000	20,000	20,000	
12201		MP2 UPGRADE		50,000	50,000					
				60,000	65,000	15,000	20,000	20,000	20,000	0
	2760.90	OTHER NON-MOTIVE EQUIPMENT								
10101		8" PUMP			30,000					
10601		COMPUTER SERVER FOR SEWER LINE PICTURES			8,000					
10601		4" PUMP TRAILER MOUNTED			25,000					
10601		NEW RADIO'S		10,000	10,000	10,000	10,000	10,000	10,000	
10801		PIPELINE PROFILER EQUIPMENT			225,000					
11101		METTLER XP204 ANALYTICAL BALANCE			5,100					
11201		MACHINIST LATHE			150,000					
11201		VERTICAL END MILL			40,000					
11201		FLOW METER REPLACEMENTS / SAMPLER REPLACEMENT		10,000	10,000	10,000	10,000			
12201		STATIONARY SAMPLER W/ENCLOSURE		10,000	10,000	10,000	10,000			
12201		PORTABLE SAMPLERS			10,000					
12201	52540027	PHONE SYSTEM UPGRADE			100,000					
10101		60 KW GENERATOR					30,000			
10601		TOWALONG COMPRESSOR		14,000						
10601		HIGH PRESSURE HOSE				40,000				
10601		4' TRASH PUMP				30,000				
10801		PORTABLE TELESCOPIC INSPECTION CAMERA					20,000			
10801		LATERAL CAMERA					10,000			
10801		PAN & TILT CAMERA WITH TRANSPORTER					35,000			





**STORMWATER UTILITY  
ENTERPRISE FUND  
BUDGET SUMMARY  
FY 2010-2012**

SOURCES	ACTUAL 2007-2008	AMENDED BUDGET 2008-09	PROJECTED ACTUAL 2008-09	Rate increase n/a	Rate increase 3%	Rate increase 3%
				PROPOSED BUDGET 2009-10	FORECAST BUDGET 20010-011	FORECAST BUDGET 20011-12
<b>REVENUES</b>						
METERED SALES	\$ 5,314,824	\$ 5,245,000	\$ 5,245,000	\$ 5,245,000	\$ 5,402,350	\$ 5,564,421
INTEREST INCOME	458,970	150,000	150,000	150,000	100,000	100,000
OTHER REVENUES	38,365	10,000	10,000	10,000	10,000	10,000
<b>TOTAL REVENUES</b>	<b>5,812,159</b>	<b>5,405,000</b>	<b>5,405,000</b>	<b>5,405,000</b>	<b>5,512,350</b>	<b>5,674,421</b>
<b>OTHER SOURCES</b>						
GRANTS & OTHER RELATED REVENUES	302,951	516,000	516,000	516,000	516,000	516,000
COUNTY FLOOD CONTROL *	-	-	-	-	-	-
IMPACT FEES	1,050,371	200,000	200,000	200,000	200,000	200,000
BOND PROCEEDS	-	-	-	-	-	-
<b>TOTAL OTHER SOURCES</b>	<b>1,353,322</b>	<b>716,000</b>	<b>716,000</b>	<b>716,000</b>	<b>716,000</b>	<b>716,000</b>
<b>TOTAL SOURCES</b>	<b>\$ 7,165,481</b>	<b>\$ 6,121,000</b>	<b>\$ 6,121,000</b>	<b>\$ 6,121,000</b>	<b>\$ 6,228,350</b>	<b>\$ 6,390,421</b>
<b>EXPENSES &amp; OTHER USES</b>						
<b>EXPENDITURES</b>						
PERSONAL SERVICES	\$ 1,524,996	\$ 1,725,139	\$ 1,725,139	\$ 1,777,096	\$ 1,836,481	\$ 1,854,846
OPERATING & MAINTENANCE	78,864	111,700	111,700	112,700	114,954	117,250
TRAVEL & TRAINING	2,875	8,480	8,480	8,480	8,650	8,823
UTILITIES	74,154	57,285	57,285	77,285	78,831	80,407
PROF & CONTRACT SERVICES	498,475	883,879	883,879	883,879	636,435	649,160
PUBLIC SERVICES STREET SWEEPING	236,202	415,371	415,371	415,000	423,678	432,152
DATA PROCESSING	155,832	187,500	187,500	187,500	191,250	195,075
FLEET MAINTENANCE	227,696	206,000	206,000	206,000	210,120	214,323
ADMINISTRATIVE SERVICE FEE	50,288	50,000	50,000	50,000	51,000	52,020
PAYMENT IN LIEU OF TAXES	130,268	115,000	115,000	115,000	117,300	119,646
OTHER CHARGES AND SERVICES	(221,673)	167,747	167,747	(7,771)	(8,304)	(8,469)
<b>TOTAL EXPENDITURES</b>	<b>2,757,977</b>	<b>3,928,101</b>	<b>3,928,101</b>	<b>3,825,169</b>	<b>3,660,395</b>	<b>3,715,233</b>
<b>OTHER USES</b>						
CAPITAL OUTLAY	231,117	628,000	628,000	102,000	444,000	295,000
CAPITAL IMPROVEMENT BUDGET	3,315,530	3,908,000	4,170,428	4,290,000	4,239,500	3,006,000
DEBT SERVICES	582,224	600,000	600,000	600,000	600,000	600,000
<b>TOTAL OTHER USES</b>	<b>\$ 4,128,871</b>	<b>\$ 5,136,000</b>	<b>\$ 5,398,428</b>	<b>\$ 4,992,000</b>	<b>\$ 5,283,500</b>	<b>\$ 3,901,000</b>
<b>TOTAL USES</b>	<b>\$ 6,886,848</b>	<b>\$ 9,064,101</b>	<b>\$ 9,326,529</b>	<b>\$ 8,817,169</b>	<b>\$ 8,943,895</b>	<b>\$ 7,616,233</b>
<b>EXCESS REVENUE AND OTHER SOURCES OVER (UNDER) USES</b>						
	<b>\$ 278,633</b>	<b>\$ (2,943,101)</b>	<b>\$ (3,205,529)</b>	<b>\$ (2,696,169)</b>	<b>\$ (2,715,545)</b>	<b>\$ (1,225,812)</b>
<b>OPERATING CASH BALANCES</b>						
BEGINNING JULY 1	\$ 10,282,057	\$ 10,560,690	\$ 10,560,690	\$ 7,355,161	\$ 4,658,992	\$ 1,943,447
ENDING JUNE 30	\$ 10,560,690	\$ 7,617,589	\$ 7,355,161	\$ 4,658,992	\$ 1,943,447	\$ 717,635
Cash Reserve Ratio	383%	194%	187%	122%	53%	19%
<b>Cash reserve goal above 9%</b>						

Operating cash balance is defined as total cash less restricted amounts for bond covenants and outstanding accounts payable.



**STORMWATER UTILITY  
CASH FLOW**

	ACTUAL YEAR 2007-2008	CURRENT YEAR 2008-2009	BUDGET YEAR 2009-2010	BUDGET YEAR 2010-2011	BUDGET YEAR 2011-2012	BUDGET YEAR 2012-2013	BUDGET YEAR 2013-2014
STORMWATER CHARGES	5,314,824	5,245,000	5,245,000	5,402,350	5,564,421	5,731,353	5,903,294
OTHER INCOME	38,365	10,000	10,000	10,000	10,000	10,000	10,000
INTEREST INCOME	458,970	150,000	150,000	100,000	100,000	100,000	100,000
OPERATING INCOME	5,812,159	5,405,000	5,405,000	5,512,350	5,674,421	5,841,353	6,013,294
OPERATING EXPENDITURES	-2,757,977	-3,928,101	-3,825,169	-3,660,395	-3,715,233	-3,957,094	-3,996,665
NET INCOME EXCLUDING DEP.	3,054,182	1,476,899	1,579,831	1,851,955	1,959,188	1,884,259	2,016,629
IMPACT FEES	1,050,371	200,000	200,000	200,000	200,000	200,000	200,000
OTHER RECEIPTS/ BOND PROCEEDS							
OTHER CONTRIBUTIONS	302,951	516,000	516,000	516,000	516,000	516,000	516,000
CAPITAL OUTLAY	-231,117	-628,000	-102,000	-444,000	-295,000	-365,000	-438,000
DEBT SERVICE (NEW)		0	0	0	0	0	0
DEBT SERVICE	-582,224	-600,000	-600,000	-600,000	-600,000	-600,000	-600,000
OTHER INCOME & EXPENSE	539,981	-512,000	14,000	-328,000	-179,000	-249,000	-322,000
AVAILABLE FOR CAPITAL	3,594,163	964,899	1,593,831	1,523,955	1,780,188	1,635,259	1,694,629
CAPITAL IMPROVEMENTS	-3,315,530	-4,170,428	-4,290,000	-4,239,500	-3,006,000	-1,650,000	-1,650,000
CASH INCREASE/(DECREASE)	278,633	-3,205,529	-2,696,169	-2,715,545	-1,225,813	-14,741	44,629
BEGINING CASH BALANCE	10,282,057	10,560,690	7,355,161	4,658,992	1,943,447	717,634	702,893
CASH INCREASE/(DECREASE)	278,633	-3,205,529	-2,696,169	-2,715,545	-1,225,813	-14,741	44,629
ENDING BALANCES	\$10,560,690	\$7,355,161	\$4,658,992	\$1,943,447	\$717,634	\$702,893	\$747,522
DEBT SERVICE COVERAGE	5.25	2.46	2.63	3.09	3.27	3.14	3.36
RATE CHANGE	0%	0%	0%	3.00%	3.00%	3.00%	3.00%
ANNUAL RESIDENTIAL STORM WATER BILL							
BILL (1991=\$36.00)	\$36.00	\$36.00	\$36.00	\$37.08	\$38.19	\$39.34	\$40.52
Cash Reserve Ratio	382.91%	187.24%	121.80%	53.09%	19.32%	17.76%	18.70%

Salt Lake City Corporation  
 Department of Public Utilities  
**STORM DRAIN CAPITAL IMPROVEMENT PROJECTS**  
**SIX YEAR PROPOSAL**  
 2005 thru 2010

Last Update  
 2/13/2009

COST CENTER	PROJECT NUMBERS	DESCRIPTION	FEET OF PIPE	FISCAL YR 2008-2009	FISCAL YR 2009 - 2010	FISCAL YR 2010 - 2011	FISCAL YR 2011 - 2012	FISCAL YR 2012-13	FISCAL YR 2013-14	PROJECTS DELAYED
53-10201	2772.10	LAND								
		LAND RIGHT OF WAY		165,000	250,000					
				165,000	250,000	0	0	0	0	0
53-10301	2772.10	LIFT STATIONS - 2720.05								
		VARIOUS PUMP STATIONS		75,000	100,000	100,000	100,000	100,000	100,000	
53470719		OIL DITCH LIFT STATION - 1250 WEST 2000 NORTH (NEW PUMPS AND CONTROL PANELS)		750,000						
53471024		OAKLEY STORM WATER LIFT STATION REHAB		150,000						
53471030		SURPLUS AND CWA #2 LIFT STATION								
		400 SOUTH LIFT STATION - NORTH					750,000			
				975,000	100,000	100,000	850,000	100,000	100,000	0
53-10301	2773.10	DETENTION BASINS - 2730.20								
				0	0	0	0	0	0	0
53-10301	2773.10	COLLECTION MAINS - 2730.18								
53470723		TESORO (1200 NORTH - 600 WEST TO 850 WEST)	2,100		240,000					
		RED BUTTE CULVERT AT 1300 EAST & 1000 SOUTH - REHAB			300,000					
		RED BUTTE CULVERT AT SUNNYSIDE AVENUE - REHAB			300,000					
		IMMIGRATION CREEK AT 1300 EAST - CULVERT - REHAB			300,000					
		VARIOUS LINES		200,000	200,000	200,000	200,000	200,000	200,000	
53470791		500 WEST NORTH TEMPLE TO 200 NORTH		10,000						
53470785		WESTSIDE RAILROAD REALIGNMENT		150,000						
534700625		OIL DRAIN PROJECT		30,000						
		LEE DRAIN WIDENING PHASE II OF NINETECH WEST		94,428						
		BRIGHTON DRAIN WIDENING FOR SORENSON				200,000				
		5600 WEST FROM BRIGHTONDRAIN TO 700 SOUTH				860,000				
		6066IN DRAIN WIDENING					41,000			
		LITTLE 6066IN DRAIN BONNEVILLE CENTER C&D					65,000			
		LEE DRAIN PIPE IMPROVEMENT UNDER BANGERTER (OR RAILROAD ONLY)					500,000			
			0	484,428	1,340,000	1,260,000	806,000	200,000	200,000	0
		<b>CITY, COUNTY, STATE AND MISC. DRIVEN PROJECTS</b>								
53470599		GLADIOLA STREET (2900 W) - 500 S TO 1820 S (CED JOB NO. 103007)		25,000	250,000					
		OIL DRAIN PROJECT			1,000,000					
		AVENUE CROSSWALKS		50,000	50,000	50,000	50,000	50,000	50,000	50,000
		VARIOUS LINES		300,000	500,000	500,000	500,000	500,000	500,000	
		DALE AVENUE (1120 S) - REDWOOD DRIVE (1510 W) TO GLENDALE DRIVE (1450 W)		28,000						
		REDWOOD DRIVE (1510 W) - MONTGOMERY STREET (1575 W) TO 1300 SOUTH		80,000						
		500 EAST - 900 SOUTH TO 1300 SOUTH	3,200	70,000						
		900 EAST - 900 SOUTH TO 2100 SOUTH	27,200	60,000						
		ALPINE PLACE - GILMER DRIVE TO CUL-DE-SAC END		10,000						
		DOUGLAS STREET - 400 SOUTH TO 500 SOUTH		10,000						
		HARVARD AVENUE - 1300 EAST TO 80 FEET WEST OF NORMANDIE CIRCLE		54,000						
		HERBERT AVENUE - 200 EAST TO 300 EAST		10,000						
		PRINCETON AVENUE - 700 EAST TO 800 EAST		10,000						
		REDWOOD ROAD - CAR WASH		50,000						
		YALE AVENUE - 700 EAST TO 800 EAST		10,000						
53470796		COMMUTER RAIL		5,000						
53470787		INTERMODAL HUD TRAX		5,000						
53470808		CALIFORNIA AVE 4800 WEST TO 5600 WEST		90,000						
534740014		BLOCKS 74,75,76 DOWNTOWN		24,000						
53473003		900 SOUTH FLOOD PLAIN STUDY		5,000						
		1700 EAST - YALECREST AVENUE (1015 S) TO HARVARD AVENUE (1110 S)				28,750				









**Department Combined Cost Services  
Budget / Actual 2008- 2010**

SERVICE	# of FTE	2007 - 2008 ACTUAL	2008 - 2009 BUDGET AMENDED	2009 - 2010 BUDGET REQUESTED
<b>Director - Jeff Niermeyer</b>				
Administration	11.30	\$6,637,552	\$6,186,935	\$6,517,089
Contracts & Construction	5.40	479,588	499,587	450,612
Development & Review	3.50	315,993	308,644	306,528
Water Conservation	1.00	85,727	146,374	146,314
Safety	1.00	133,511	208,690	210,614
GIS & Blue Stakes	18.60	1,214,490	1,313,872	1,346,959
<b>Total Director</b>	<b>40.80</b>	<b>8,866,861</b>	<b>8,664,102</b>	<b>8,978,116</b>
<b>Maintenance - Mark Stanley</b>				
Water Maintenance	127.50	10,432,865	10,841,088	10,936,539
Sewer Maintenance	19.75	1,183,490	1,567,514	1,568,941
Storm Water Maintenance	12.25	966,563	1,428,577	1,306,723
<b>Total Maintenance</b>	<b>159.50</b>	<b>12,582,918</b>	<b>13,837,179</b>	<b>13,812,203</b>
<b>Water Quality - Florence Reynolds</b>				
Water Treatment	32.80	20,382,821	20,658,456	21,616,683
Watershed Patrol	10.10	842,750	1,133,551	1,051,203
Regulatory Compliance	6.10	518,228	673,488	692,683
<b>Total Water Quality</b>	<b>49.00</b>	<b>21,743,799</b>	<b>22,465,495</b>	<b>23,360,569</b>
<b>Engineering - Chuck Call</b>				
Water Engineering	11.50	475,622	633,178	618,199
Sewer Engineering	5.80	193,099	336,345	328,097
Storm Water Engineering	5.70	262,830	438,699	431,554
<b>Total Engineering</b>	<b>23.00</b>	<b>931,551</b>	<b>1,408,222</b>	<b>1,377,850</b>
<b>Finance - Jim Lewis</b>				
Accounting	6.20	1,567,188	1,540,352	1,588,730
Billing	5.35	1,034,539	1,211,800	1,221,891
Meter Reading	17.10	761,723	907,634	882,062
Customer Service	19.10	1,135,055	1,216,640	1,134,126
Storehouse	4.05	273,888	291,730	292,988
<b>Total Finance</b>	<b>51.80</b>	<b>4,772,393</b>	<b>5,168,156</b>	<b>5,119,797</b>
<b>Reclamation Plant - Dale Christensen</b>				
<b>Total Water Reclamation</b>	<b>62.50</b>	<b>5,277,409</b>	<b>6,417,887</b>	<b>6,174,653</b>
<b>Total Public Utilities</b>	<b>386.60</b>	<b>\$54,174,931</b>	<b>\$57,961,041</b>	<b>\$58,823,188</b>

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

**FUND:** Water, Sewer and Storm Water      **COST CENTER NUMBERS:** 5103100,5103200  
5211700,5211900  
5310500

**DEPARTMENT:** Public Utilities      **FTE /** 10.3

**DIVISION:** Administration      **BUDGET /** \$6,517,089

**COST CENTER / PROGRAM:** Administration      **REVENUE** Water, Sewer and Stormwater

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc)

**STATEMENT OF PURPOSE**

Administrative Division oversees and manages the Department policies, training, media contact, and the affairs of the Department with and on behalf of the Mayor both internally and with other external political organizations.

**BASE PURPOSE STATEMENTS**

This Division provides coordinated direction and support to carry out the Department's goals and policies and ensures that all construction contracts, water exchange agreements, ordinances and federal regulations are met. This section is also responsible for department-wide training and managing the human resource issues. Operating budget includes large inter-department wide expenditures of payment in lieu of taxes, administrative service fees, insurance premium, workman compensation estimates, and major consultant studies. This next year the department will complete three major studies (1) Water rate study (2) Sewer Master Plan (3) Storm Water Riparian Corridor Study. The department will also develop a strategic master plan and implement a plan to reduce our carbon footprint.

**BASE PURPOSE REVENUE** – Water, Sewer and Stormwater Utilities

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	2007-08 Actual	2008-09	Cumulative Targets			
				2009-10	2010-11	2011-12	2012-13
Maintain department wide customer service satisfaction rating above 92%	Satisfaction Rating	92%	92%	92%	92%	92%	92%
Financial Health	Measures	2007-08 Actual	2008-09	Cumulative Targets			
				2009-10	2010-11	2011-12	2012-13
Maintain the Department's stand alone AA+ Bond rating	Bond Rating	AA+	AA+	AA+	AA+	AA+	AA+



Maintain Debt Ratio below national average of 28%	Debt Ratio	13.9%	<28%	<28%	<28%	<28%	<28%
Maintain Return on Assets above 3% (national average is 2%)	Return on Assets	5.1%	<3%	<3%	<3%	<3%	<3%
Design and implement energy reduction plan	Plan implemented		100%				
Develop a carbon footprint strategic plan	Plan Developed		100%				
<b>Cumulative Targets</b>							
<b>Efficiency/Effectiveness</b>	<b>Measures</b>	<b>2007-08 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>
Maintain sewer operating cost per million gallons processed below national average of \$2,025	Operating costs per million gallons processed	\$737	<\$2,025	<\$2,025	<\$2,025	<\$2,025	<\$2,025
Maintain water operating costs per million gallons processed below national average of \$1,427	Operating costs per million gallons processed	\$1,199	<\$1,427	<\$1,427	<\$1,427	<\$1,427	<\$1,427
<b>Cumulative Targets</b>							
<b>Workforce Quality</b>	<b>Measures</b>	<b>2007-08 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>
Maintain Employee injury Severity Rate below 23 days. (National average is 28.1 days)	Severity rate – (the number of days lost due to injury per 100 employees)	21.2	<23	<23	<23	<23	<23
Ensure all employees are evaluated annually	Percentage evaluated	100%	100%	100%	100%	100%	100%
Employee turnover rate below 10%	Turn over rate	8%	>10%	>10%	>10%	>10%	>10%
Provide > 30 hours of training opportunities to all employees to enhance skills and knowledge	Training hours	>30	>30	>30	>30	>30	>30

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

<b>FUND:</b>	Water, Sewer Stormwater	<b>COST CENTER NUMBERS:</b>	03300
<b>DEPARTMENT:</b>	Public Utilities	<b>FTE /</b>	4.4
<b>DIVISION:</b>	Administration	<b>BUDGET /</b>	\$450,612
<b>COST CENTER / PROGRAM:</b>	Contracts Office	<b>REVENUE</b>	Water, Sewer Stormwater

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc)

**STATEMENT OF PURPOSE** Maintain all records from the Engineering Division and Development Review Team by scanning all incoming and outgoing correspondence and maintaining filing system; Prepare and execute sewer, water and storm drain main extension agreements, fire line petitions, easements, stock agreements, new service work orders, and issue sewer, water and storm water digging permits, storm water discharge permits and collect fees. Coordinate private and public requests for connections of sewer, water and storm drain by scheduling surveys, inspections and wyes for City/construction crews. Assign and monitor progress of plan review by the Development Review team. Answer questions from various individuals, including public and private entities, about utility service, design requirements, City agreement requirements, stock certificates, City ordinances, plan review, billing and maintenance of services.

**BASE PURPOSE STATEMENTS** Efficiently maintain Department records by reducing file content duplication; ensure plans are approved and all agreements/easements are executed in a timely manner. Collect fees prior to releasing approved plans and issuing appropriate permits; provide inspectors with accurate plans and timely inspection. Provide timely and accurate answers to customer's questions.

**BASE PURPOSE REVENUE** – Water, Sewer and Stormwater Utilities

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Maintain customer service rating above 92%	Survey results	92%	92%	92%	92%	92%	92%
Financial Health	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Efficiency/Effectiveness	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Improve plan review turn-around Time	Plan review time at Public Utilities	20	10	5	5	5	5

Workforce Quality	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Provide 30 hours of training per employee to enhance skills and knowledge	Hours of training	>30	>30	>30	>30	>30	>30

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

**FUND:** Water **COST CENTER NUMBERS:** 5103400  
**DEPARTMENT:** Public Utilities **FTE /** 3.5  
**DIVISION:** Administration **BUDGET /** \$306,528  
**COST CENTER / PROGRAM:** Development Review **REVENUE** Water, Sewer Stormwater

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc)

US EPA Safe Drinking Water Act (SDWA)  
 US EPA NPDES Rules  
 Homeland Security – Public Health Security and Bio-terrorism Preparedness and Response Act of 2002  
 FEMA Flood Zone Rules  
 Utah Code -- Title 19 -- Chapter 04 -- Safe Drinking Water Act  
 Salt Lake County Health Department Rules for water, sewage and storm water  
 American Water Works Association standards  
 Engineering standards and practices

**STATEMENT OF PURPOSE**

Oversee private sector requests to expand or connect to existing water, sewer, or storm drainage infrastructure.

**BASE PURPOSE STATEMENTS**

Answer property owner, developer and design professional's questions on water, sewer, and storm drainage capacity and design standards. Review design submittals for compliance with regulatory requirements and departmental standards. Oversee inspection of water, sewer, storm water projects initiated by the private sector.

**BASE PURPOSE REVENUE** – Water, Sewer and Stormwater Utilities

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Pre-submittal Consultation	# / week	12	15	15	15	15	15
Financial Health	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Efficiency/Effectiveness	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Improve Turn-around Time	Working Days at PU	20	10	5	5	5	5

Workforce Quality	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Provide 30 hours of training per employee to enhance skills and technological knowledge	Hours of training	>30	>30	>30	>30	>30	>30

\* Development review staff and departmental engineering staff supplement each other to accommodate peaks and valleys in workload. For example 2007-2008 has had record numbers of development reviews, engineering staff have assisted development staff in review and inspection work.

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

<b>FUND:</b>	Water Utility	<b>COST CENTER NUMBERS:</b>	5103600
<b>DEPARTMENT:</b>	Public Utilities	<b>FTE /</b>	1
<b>DIVISION:</b>	Administration	<b>BUDGET /</b>	\$146,314
<b>COST CENTER PROGRAM:</b>	Water Conservation	<b>REVENUE</b>	Water Utility

**AUTHORITY: (ordinance, state statute, federal regulation, basic municipal function, etc)**  
 Water Conservation Master Plan, State Division of Water Resources, Utah code 73-10-32

**STATEMENT OF PURPOSE**

The primary purpose of SLCDPU's water conservation program is to promote the efficient and responsible use of all water resources.

**BASE PURPOSE STATEMENTS**

Conservation programs are grouped in the broader customer categories of municipal/public; industrial/commercial; and residential. Programs in these categories may include, but are not limited to: community/association meetings and workshops; audits and recommendations; brochures and other media; demonstration materials including videos and gardens; regulations/policy/ordinance recommendations; pricing structure and billing information; public outreach including radio and television; research. Many program components occur in partnership with other governmental/university/corporate/association partnerships. Frequently act as subject expert for other communities/agencies/associations.

**BASE PURPOSE REVENUE – Water Utility**

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Promote water conservation by attending community meetings, preparing brochures, research projects and preparing videos	Community meetings	15	15	15	15	15	15
	Brochures	3	3	3	3	3	3
	Research projects	2	2	2	2	2	2
<b>Cumulative Targets</b>							
Financial Health	Measures	2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13

Efficiency/Effectiveness	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
To promote water conservation to reduce per capita consumption	Decrease per capita consumption by 1% per year	1%	1%	1%	1%	1%	1%
Workforce Quality	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

<b>FUND:</b>	Water, Sewer	<b>COST CENTER</b>	5103000
	Stormwater	<b>NUMBERS:</b>	
<b>DEPARTMENT:</b>	Public Utilities	<b>FTE /</b>	1
<b>DIVISION:</b>	Administration	<b>BUDGET /</b>	\$ 210,614
<b>COST CENTER / PROGRAM:</b>	Safety	<b>REVENUE</b>	Water, Sewer Stormwater

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc)

Utah Occupational Safety and Health Act Title 34A Chapter 06 Utah Occupational Safety and Health Act Standard Title R614 Labor commission Occupational Safety and Health & 29CFR 1910 & 1926

**STATEMENT OF PURPOSE**

To plan, develop, implement and monitor department safety and worker's compensation programs. Serve as a technical resource to administrators and managers for the administration of the department-wide occupational safety, industrial hygiene, emergency preparedness, and worker compensation programs. Assist management and employees to ensure compliance with all state and federal standards. Establish guidelines and procedures intended to reduce the department's exposure to losses from safety violations and worker's compensation claims.

**BASE PURPOSE STATEMENTS**

Develops and assists management in the implementation of safety program.

Develops and coordinates programs to promote workplace safety. Trains, inspects and works with various work groups to prevent accidents and investigate their occurrence.

Develops work procedures and guidelines for safe operations. Ensures that the worksite complies with OSHA regulations, and that workplace practices and procedures are evaluated and modified to reduce or eliminate injuries and hazards.

Coordinates the department's Workers' Compensation Program, and related light duty and return-to-work activities. Responds to and assists management in the investigation of all work related injuries, motor vehicle accidents, property damage, visits from Utah OSHA, and other safety and emergency-related occurrences. Compiles, analyzes and reports on safety experience, trends, statistics, costs, needs and effectiveness.



**BASE PURPOSE REVENUE -** Water, Sewer and Stormwater Utilities

None

**SIX YEAR BUSINESS PLAN GOALS**

<b>Customer Service</b>		<b>Measures</b>	<b>Cumulative Targets</b>					
		<b>2007-08 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	
<b>Financial Health</b>		<b>Measures</b>	<b>Cumulative Targets</b>					
		<b>2007-08 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	
<b>Efficiency/Effectiveness</b>		<b>Measures</b>	<b>2007-08 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>
Raise Safety Awareness	Using the Safety Committee evaluate yearly ways to raise safety awareness in the workforce and establish necessary program(s).	25%	25%	100%	100%	100	100	
Develop off the Job safety programs	Using the Safety Committee, implement a safety program to increase awareness of off the job hazards.	25%	50%	100%	100%	100%	100%	
<b>Workforce Quality</b>		<b>Measures</b>	<b>2007-08 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>
Increase Safety Knowledge and Leadership	1. Evaluate and implement a computer based safety training program	10%	15%	50%	75%	100%	100%	
Re-assess training program annually	2. Review prior year's injury and property damage reports and determine what training and program changes may be necessary & implement. Complete by February 15 annually	25%	100%	100%	100%	100%	100%	
Maintain Employee injury Severity Rate to below 23 days. National average is 28.1 days	Severity rate – (the number of days lost due to injury per 100 employees)	9.39	<23	<23	<23	<23	<23	

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

<b>FUND:</b>	Water, Sewer Stormwater	<b>COST CENTER NUMBERS:</b>	5101600, 5211400 5310900
<b>DEPARTMENT:</b>	Public Utilities	<b>FTE /</b>	18.60
<b>DIVISION:</b>	Administration	<b>BUDGET /</b>	\$ 1,346,959
<b>COST CENTER / PROGRAM:</b>	Information Management & GIS	<b>REVENUE</b>	Water, Sewer Stormwater

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc) Storm Water Ordinance 17.75.010, State Blue Stake, basic municipal function – Utility Locations

**STATEMENT OF PURPOSE:** Provide mapping, surveying, and locating of Public Utilities water, sewer and stormwater infrastructure. Maintain the impervious billing information for the storm water utility. Survey and map Public Utilities facilities, watershed information and water right records. Maintain Public Utility web site. Mode water system, provide GIS support for Homeland security and many special projects.

**BASE PURPOSE STATEMENTS** The GIS division provides mapping services for both internal and external customers. These records provide a permanent record of facility locations. The GIS division provides facility maps for water, sewer, drainage, storm water utility, water rights and many special projects in order to meet the need for an increasing demand of these services. The GIS division is also used to provide information for analysis and as a decision support tool. Provide mapping information for emergency planning (Home Land Security). Insure every division within Public Utilities is linked into the GIS system, including Billing, Customer Service, Maintenance, Distribution, Watershed, Development Review and Cross Connection Control.

**BASE PURPOSE REVENUE –** Water, Sewer and Stormwater Utilities

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
To provide accurate mapping information for internal and external customers.	Accuracy rate	100%	100%	100%	100%	100%	100%
Keep Public Utilities Web Site current	Update information quarterly	100%	100%	100%	100%	100%	100%
Financial Health	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Implement document and scanning program	Number of documents and imagery available through GIS	10%	15%	25%	40%	60%	80%

		<b>Cumulative Targets</b>					
<b>Efficiency/Effectiveness</b>	<b>Measures</b>	<b>2007-08 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>
Promote cross training by providing GIS training	3 training groups yearly	3	3	3	3	3	3
Respond to Blue Stake requests within regulation	100% compliant	100%	100%	100%	100%	100%	100%
		<b>Cumulative Targets</b>					
<b>Workforce Quality</b>	<b>Measures</b>	<b>2007-08 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>
Improve employee job skills and knowledge	Provide 30 hours training	30	30	30	30	30	30

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

**FUND:** Water Utility **COST CENTER NUMBERS:** 00100, 00300  
00400, 00500  
01400, 01500  
01700, 02000  
02200, 02300  
02400, 02500

**DEPARTMENT:** Public Utilities **FTE /** 127.50

**DIVISION:** Operations and Maintenance **BUDGET /** \$10,936,539

**COST CENTER / PROGRAM:** Water Maintenance **REVENUE** Water Utility

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc)

**STATEMENT OF PURPOSE** Governed by the Utah Safe Drinking Water Act, as authorized under the Federal Safe Drinking Water Act (US EPA), the Operations and Maintenance Division helps provide safe, high quality water at usable pressures within the water distribution system to all of the customers served by Salt Lake City Department of Public Utilities in an efficient manner with minimal interruption of service.

**BASE PURPOSE STATEMENTS** The Operations and Maintenance Division operates, maintains, repairs and replaces the City's water distribution system, providing safe and high quality water for culinary use and fire protection to all of the incorporated Salt Lake City area, Holladay City, Cottonwood Heights City, portions of Murray and Midvale and the unincorporated eastside Salt Lake County areas. Major components of this unique system include 22 wells, 2 springs, 35 water storage tanks and reservoirs with a total capacity of 101,270,000 gallons of treated water, 50 different pressure zones that are fed by wells, 29 booster pump stations, gravity or a combination of these, 1385 miles of water mainline pipe ranging from 2" to 72" in size, 91,000 service connections, 9400 fire hydrants, 16,500 mainline valves and 175 regulator stations. The division also operates and maintains 45 miles of irrigation canals and other diversion structures and devices. These canals supply Utah Lake water to irrigation users in exchange for higher quality water fed from Wasatch Front mountain streams.

**BASE PURPOSE REVENUE** – Water Utility

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Maintain a high customer service satisfaction rating for Water Operations and Maintenance	Continue Customer Service Survey and maintain a >93% satisfaction rating	90%	>93%	>93%	>93%	>93%	>93%
Financial Health	Measures	Targets					
		2007-08	2008-09	2009-10	2010-11	2011-12	2012-13

		Actual					
Reduce response time to complete fire hydrant, service line and valve work from the time work commences to completion of last restoration work order	Reduce average response time to <14 working days	28 days	<14 days	<14 days	<14 days	<14 days	<14 days
Ensure accuracy of large meters according to AWWA standards	Test 33% of all large commercial meters annually	26%	33%	33%	33%	33%	33%
Efficiency/Effectiveness		Measures		Targets			
		2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
		Actual					
Maintain State Water Quality Standards through Sanitary Survey	_a. 100% of sites inspected per month b. 100% of found deficiencies repaired per month	100%	100%	100%	100%	100%	100%
		100%	100%	100%	100%	100%	100%
Renew or replace water appurtenances to facilitate system operations and reliability (not to exceed budget)	a. Replace 85 main line valves per year b. Replace 80 fire hydrants per year c. Replace 550 water services per year	77	85	85	85	85	85
		89	80	80	80	80	80
		633	550	550	550	550	550
Workforce Quality		Measures		Targets			
		2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
		Actual					
Maintain sufficient staffing levels to ensure effective delivery of municipal services in a cost effective manner	Maintain staffing levels at greater than >95% of budget	99%	>95%	>95%	>95%	>95%	>95%
Provide training opportunities that will enhance skills and knowledge	Provide >30 hours of training per employee annually to enhance jobs skills	22 hours	>30 hours	>30 hours	>30 hours	>30 hours	>30 hours

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

**FUND:** Sewer Utility      **COST CENTER NUMBERS:** 5210100,  
5210600,  
5210800,  
5211000

**DEPARTMENT:** Public Utilities      **FTE /** 19.75

**DIVISION:** Operations and Maintenance      **BUDGET /** \$1,568,941

**COST CENTER / PROGRAM:**      **REVENUE** Sewer Utility

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc)

**STATEMENT OF PURPOSE** Governed by the Utah Water Quality Act, as authorized under the Federal Clean Water Act (US EPA), the Operations and Maintenance Division helps provide safe and effective wastewater collections service to all of the customers served by Salt Lake City Department of Public Utilities in an efficient manner with minimal interruption of service.

**BASE PURPOSE STATEMENTS** The Operations and Maintenance Division operates, maintains repairs and replaces the City's wastewater collections system, providing safe and efficient sewer collections to all incorporated Salt Lake City area. Major components of this system include over 640 miles of collection pipe ranging from 4" to 80" in size. It also includes 13,000 manholes and over 49,000 service connections. There are 32 sewer lift stations in the collection system.

**BASE PURPOSE REVENUE**

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	2007-08 Actual	Targets				
			2008-09	2009-10	2010-11	2011-12	2012-13
New customer service rating survey for Sewer operations	Implement Customer Service Survey and obtain a >90% satisfaction rating	* New Indicator. Information not available at this time	>90%	>90%	>90%	>90%	>90%
Increase response to emergency trouble calls to prevent damage to property and ensure public health	Response time to within 45 minutes from time call is received	30 mins.	<45 mins.	<45 mins.	<45 mins.	<45 mins.	<45 mins.
Financial Health	Measures	2007-08 Actual	Targets				
			2008-09	2009-10	2010-11	2011-12	2012-13

Efficiency/Effectiveness	Measures	Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Televised collections system, capturing data for maintenance and capital planning	Televised 15% of collections system annually.	2%	15%	15%	15%	15%	15%
Clean collections system for preventive maintenance	Clean 35% of collection system annually.	51%	35%	35%	35%	35%	35%
Workforce Quality	Measures	Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Maintain sufficient staffing levels	Maintain staffing level greater than 95 percent of budget	42%	>95%	>95%	>95%	>95%	>95%
Provide training opportunities that will enhance skills and knowledge	Provide >30 hours of training per employee	26 hours	>30 hours	>30 hours	>30 hours	>30 hours	>30 hours

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

<b>FUND:</b>	Storm water Utility	<b>COST CENTER NUMBERS:</b>	10200
<b>DEPARTMENT:</b>	Public Utilities	<b>FTE /</b>	12.25
<b>DIVISION:</b>	Operations and Maintenance	<b>BUDGET /</b>	\$1,306,723
<b>COST CENTER / PROGRAM:</b>	Storm Water Maintenance	<b>REVENUE</b>	Stormwater

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc)

**STATEMENT OF PURPOSE** Governed by the Utah Water Quality Act, as authorized by the Federal Clean Water Act (US EPA) and under UPDES permit for municipal separate storm sewer systems (MS4), the Operations and Maintenance Division helps provide a safe and effective storm water collections system to all of the customers served by Salt Lake City Department of Public Utilities.

**BASE PURPOSE STATEMENTS** The Operations and Maintenance Division operates, maintains repairs and replaces the City's storm water collections system, providing a safe and efficient drainage system to all of the incorporated Salt Lake City area. Major components of this system include 455 miles of drainage pipe, ranging from 4" to 144" in size, and various drainage ditches and canals. It also includes 14,000 inlets and clean out boxes, supported by 25 lift stations.

**BASE PURPOSE REVENUE** – Stormwater Utility

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	2007-08 Actual	2008-09	Targets			
				2009-10	2010-11	2011-12	2012-13
Obtain a high customer service rating for Operations and Maintenance – Storm water	Implement new survey	* New Indicator. Information not available at this time	>90%	>90%	>90%	>90%	>90%
Improve response time to emergency trouble calls to prevent damage to property and ensure public health	Respond within 1 hour from time call is received	60 mins.	<60 mins.	<60 mins.	<60 mins.	<60 mins.	<60 mins.
<b>Financial Health</b>							
Financial Health	Measures	2007-08 Actual	2008-09	Targets			
				2009-10	2010-11	2011-12	2012-13



Efficiency/Effectiveness	Measures	2007-08	2008-09	Targets			
		Actual		2009-10	2010-11	2011-12	2012-13
On a monthly basis, efficiently clean storm water system, where needed, while providing uninterrupted service	Clean 5% of collection system and 65% collection inlets annually.	2%	5%	5%	5%	5%	5%
		64%	65%	65%	65%	65%	65%
Annually inspect 30% of system and 75% of detention basins	Inspect 30% of collection system pipelines and inspect (clean as needed) 75% of detention basins annually	14%	30%	30%	30%	30%	30%
		100%	75%	75%	75%	75%	75%
Workforce Quality	Measures	2007-08	2008-09	Targets			
		Actual		2009-10	2010-11	2011-12	2012-13
Maintain sufficient staffing levels so as to ensure effective delivery of municipal services in a cost effective manner	Maintain staffing level at greater than 95% of budget	99%	>95%	>95%	>95%	>95%	>95%
Provide training opportunities that will enhance skills and knowledge	Provide >30 hours of training per employee annually to enhance jobs skills	24 hours	>30 hours	>30 hours	>30 hours	>30 hours	>30 hours

**FUND:** Water Utility **COST CENTER NUMBERS:** 5100200;5100700;5100800;  
5100900;5101100;5101800

**DEPARTMENT:** Public Utilities **FTE /** 32.80

**DIVISION:** Water Quality **BUDGET /** \$21,616,683

**COST CENTER / PROGRAM:** Water treatment **REVENUE** Water Utility

**AUTHORITY:**

**STATEMENT OF PURPOSE:** In compliance with the Safe Drinking Water Act, this division supports, maintains and operates water treatment facilities to be able to provide high quality drinking water, which has been verified to meet all health regulations. The division provides reliable service and consistent water quality, exceeding federal regulations, to over 400,000 residents.

**BASE PURPOSE STATEMENTS:**

Treat raw water to a level that meets all regulatory standards under the SDWA and State rules  
Utilize plant and staff capabilities to optimize plant treatment capabilities  
Participate in Federal programs that strive for excellence through optimization of processes  
Monitor and maintain analytical data to meet regulations and to demonstrate continuous improvement.  
Review treatment processes continuously to identify opportunities for cost and quality improvements  
Respond to customers inquiries about their drinking water quality  
Respond to water concerns in the community  
Provide water related expertise to other City departments  
Work with the regulatory community, UDEQ, SLVH, SLCo, EPA, to provide utility information for the development of regulations, new programs, quality enhancement efforts, public health and environmental protection

**BASE PURPOSE REVENUE:** Water Utility

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Respond to customer inquiries	% of calls responded to within 24 hours	90%	90%	90%	90%	90%	90%
Financial Health	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Monitor chemical usage	Reconcile inventories: application/purchase	20%	+/- 20%	+/- 10%	+/- 5%	+/- 5%	+/- 5%

Efficiency/Effectiveness	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Maintain effluent turbidity at below 0.1 NTU	Average plant turbidity <0.1 NTU	<0.1	<0.1 NTU	<0.1 NTU	<0.1 NTU	<0.1 NTU	<0.1 NTU
Continue participation in the Partnership for Safe Water	Send in annual analysis of plant performance by June 30	100%	100%	100%	100%	100%	100%
Workforce Quality	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Develop a highly trained workforce	Grade 4 certified operations staff. 90% (#operators certified/total # operators)	100%	90%	90%	90%	90%	90%
Provide weekly safety training to all employees	% of employees attending 40 or more safety meetings/yr	90%	90%	90%	90%	90%	90%
Improve employee skills and knowledge	Provide 30 hours of training	24	30	30	30	30	30

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

<b>FUND:</b>	Water Utility	<b>COST CENTER</b>	51-00600;5101200;
<b>DEPARTMENT:</b>	Public Utilities	<b>NUMBERS:</b>	5103500
<b>DIVISION:</b>	Water Quality	<b>FTE /</b>	11.10
<b>COST CENTER /</b>	Watershed	<b>BUDGET /</b>	\$1,051,203
<b>PROGRAM:</b>		<b>REVENUE</b>	Water Utility

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc) Salt Lake City Ordinance 17.04, UT Administrative Code R309-600 and R317.2

**STATEMENT OF PURPOSE:** The preservation, maintenance and protection of the 185 square miles of watershed canyons so as to allow them to continue to supply a high quality raw water source for water treatment and the community, while providing for multiple recreational uses.

**BASE PURPOSE STATEMENTS**

Educate the community on the importance of watershed protection  
 Monitor for compliance with watershed regulations  
 Review and approve watershed construction projects for compliance with regulations  
 Provide and maintain sanitary facilities within the canyons to prevent water contamination  
 Monitor and protect the City's water rights in the canyon streams  
 Address current and future contaminants that threaten the water quality or quantity in the canyon streams, including invasive species (plants and animals)  
 Work cooperatively with the Forest Service, Salt Lake Valley Health, Salt Lake County, Sandy City and others to protect the City's watershed interests  
 Manage recreational opportunities in City Creek and Parleys canyons  
 Manage interlocal agreements for watershed protection with the City, the Forest Service and the County Sherriff  
 Review requests for events and projects in the watershed, including permitting and collecting fees

**BASE PURPOSE REVENUE -** Water Utility

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Review construction projects in the canyons for compliance	Attend and contribute to SLCo FCOZ meetings	90%	90%	90%	90%	90%	90%
<b>Financial Health</b>							
Financial Health	Measures	2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Purchase watershed property to protect the water quality	Amount of annual funding used for land	\$1M	\$1M	\$1M	\$1M	\$1M	\$1M

	and water right purchases						
		<b>Cumulative Targets</b>					
<b>Efficiency/Effectiveness</b>	<b>Measures</b>	<b>2007-08 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>
Expand the "Keep It Pure" outreach	# of students attending Sponsored Outdoor programs	2226	2000	2000			
Measure effectiveness of classroom education	% of positive ratings provided by teachers	100%	100%	100%			
		<b>Cumulative Targets</b>					
<b>Workforce Quality</b>	<b>Measures</b>	<b>2007-08 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>
Maintain a highly trained work force	Provide 30 hours of training	24	30	30	30	30	30
Provide weekly safety training	% of employees attending more than 40 weekly sessions per year	>90%	>90%	>90%	>90%	>90%	>90%

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

<b>FUND:</b>	Water, Sewer and Storm Water Utility	<b>COST CENTER NUMBERS:</b>	5101000, 5310700, 5212400
<b>DEPARTMENT:</b>	Public Utilities	<b>FTE /</b>	6.10
<b>DIVISION:</b>	Water quality	<b>BUDGET /</b>	\$692,683
<b>COST CENTER / PROGRAM:</b>	Regulatory compliance	<b>REVENUE</b>	Water, Sewer, and Stormwater

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc) Federal regulations, Safe Drinking Water Act (SDWA), Clean Water Act (CWA), wastewater discharge permit (NPDES), stormwater discharge permit (MS4)

**STATEMENT OF PURPOSE:** Meet all regulatory requirements for programs covered by State and Federal law, contained under our major water/wastewater/stormwater programs. Functions include drinking water system sample collection, cross connection control program, storm water quality, and wastewater industrial pretreatment. These are requirements for compliance with the SDWA and the CWA, as well as State NPDES permits and MS4 permit.

**BASE PURPOSE STATEMENTS:**

Comply with all regulations for collection, documentation and storage of analytical data to meet requirements and make information readily accessible for management.

**BASE PURPOSE REVENUE** Water, Sewer and Stormwater Utilities

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Collect, store and make analytical data retrievable for operations using a GIS data base	% of program completed and available	10%	25%	50%	100%		
<b>Financial Health</b>							
Financial Health	Measures	2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Full compliance with all regulatory sampling	Compliance	100%	100%	100%	100%	100%	100%
<b>Efficiency/Effectiveness</b>							
Efficiency/Effectiveness	Measures	2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Reduce impact to compliant companies by combining storm, pretreatment and	% of industrial inspections including more than 1 regulatory	4%	50%	70%	90%	100%	100%

cross connection inspections	program							
<b>Workforce Quality</b>		<b>Measures</b>	<b>Cumulative Targets</b>					
Improve employee skills and knowledge		Provide 30 hours of training	2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
		30	30	30	30	30	30	

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

<b>FUND:</b>	Water	<b>COST CENTER NUMBERS:</b>	5101300
<b>DEPARTMENT:</b>	Public Utilities	<b>FTE /</b>	11.5
<b>DIVISION:</b>	Engineering	<b>BUDGET /</b>	\$618,199
<b>COST CENTER / PROGRAM:</b>	Water Engineering	<b>REVENUE</b>	Water sales

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc)

**STATEMENT OF PURPOSE**

The purpose of the Water Engineering group is to provide planning, design, and construction management for Public Utilities' approved capital improvement program (CIP). The water CIP is a set of projects that are funded to repair or replace existing old pipes and install new water pipelines and facilities through the use of local construction companies.

**BASE PURPOSE STATEMENTS**

- Complete the approved water CIP. The performance measures are:
  1. Replacement of 50,000 lineal feet (LF) of water mains per year which is about 0.8% of the system
  2. Keep design deficiency construction change orders < 3 % of construction cost
- Provide Engineering assistance to the operation and maintenance division of the department for all water facilities
- Provide Engineering management for five major water supply dams
- Responsible for engineering services for a water distribution system which services over 300,000 customers; three water treatment plants with capacities of 40, 45, and 18 MGD; 25 water supply wells; 26 water pump stations; 36 raw water storage reservoirs and tanks; dam safety and engineering for five department dams; and other related water facilities.

The Salt Lake City water distribution system (WDS) is very large (1,190 miles of 12" or smaller distribution lines plus 201 miles of large transmission mains for a total footage of 1,391 miles of pipe in 2008) and complicated (over fifty pressure zones). The service area covers the Salt Lake City corporate boundaries as well as the east side of the Salt Lake valley all the way to the mouth of Little Cottonwood Creek. This is an aging system (Figure1) with corrosion and other factors that affect the competency of the water pipes. There is a continual need to repair and replace bad pipe segments and reduce our emergency break repair costs. Over the last ten years we have replaced over 90 miles of water main. (Figure 2). This needs to continue in the future.

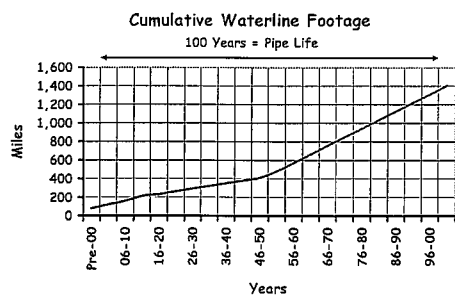


Figure 1. Pipeline Age for the Salt Lake City Water Distribution System

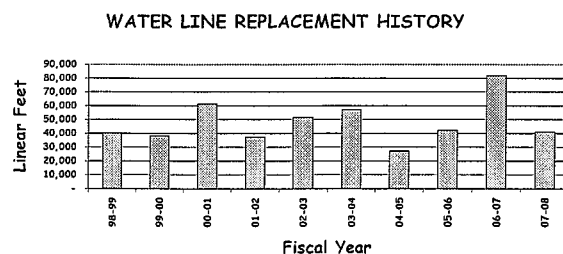


Figure 2. Water System Repair and Replacement Program

The Water Engineering group provides design and construction services for the Public Utilities capital improvements, coordinates Public Utilities water CIP program with other groups inside and outside the City (City Engineering, Salt Lake County, UDOT, etc.) and replaces approximately 1% of our local distribution pipe system annually. This replacement rate



(0.8% per year) is approximately the national average pipe replacement standard as reported by the American Water Works Association (AWWA). The 0.8% standard assumes an average pipe life of 125 years.

We have leveraged the funds allocated to repair waterlines by using new technologies. This includes pipe bursting, slip-lining the old pipes with high-density polyethylene pipe (HDPE) liners and using new, more durable pipe materials. All our designers are given special AutoCAD (computer aided design software used by the designers) training to help keep their skills in line with industry technology changes.

### BASE PURPOSE REVENUE – Water Utility

### SIX YEAR BUSINESS PLAN GOALS

Customer Service	Measures	2007-08 Actual	Cumulative Targets				
			2008-09	2009-10	2010-11	2011-12	2012-13
Replace 50,000 lineal feet (LF) of water main annually	Pipe Footage (LF) (see figure 2)	41,083	50,000	50,000	50,000	50,000	50,000
Financial Health	Measures	2007-08 Actual	Cumulative Targets				
			2008-09	2009-10	2010-11	2011-12	2012-13
Control the cost of design deficiency change orders	Cost < 3% of total construction cost	3.7%	< 3%	< 3%	< 3%	< 3%	< 3%
Efficiency/Effectiveness	Measures	2007-08 Actual	Cumulative Targets				
			2008-09	2009-10	2010-11	2011-12	2012-13
Coordinate water CIP with other agencies by publishing a monthly project status summary	Number project status reports published	4	12	12	12	12	12
Develop an asset management plan for the water infrastructure	Implementation date	--	July 2009	--	--	--	--
Workforce Quality	Measures	2007-08 Actual	Cumulative Targets				
			2008-09	2009-10	2010-11	2011-12	2012-13
Improve employee job skills and knowledge	Hours of training per employee per year	17 hr	30 hr	30 hr	30 hr	30 hr	30 hr
Increase standardization of inspection methods	Hold inspector training meetings annually	100%	100%	100%	100%	100%	100%

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

<b>FUND:</b>	Sewer	<b>COST CENTER NUMBERS:</b>	5210400
<b>DEPARTMENT:</b>	Public Utilities	<b>FTE /</b>	5.80
<b>DIVISION:</b>	Engineering	<b>BUDGET /</b>	\$328,097
<b>COST CENTER / PROGRAM:</b>	Sewer Engineering	<b>REVENUE</b>	Sewer user fees

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc)

### STATEMENT OF PURPOSE

The purpose of the Sewer Engineering group is to provide planning, design and construction management for Public Utilities' approved capital improvement program (CIP). The sewer CIP goal is timely, cost efficient replacement of old sewer lines and control of construction change orders.

### BASE PURPOSE STATEMENTS

- Complete the approved sewer CIP. The performance measures are:
  1. Rehabilitate 30,000 lineal feet (LF) of sewer collection mains per year using CIPP process
  2. Keep the design deficiency construction change orders less than 3% of the construction cost
- Provide Engineering assistance to operation and maintenance divisions of the Department for all sewer facilities
- Responsible for engineering services for a sewage collection system which serves over 150,000 customers; 50 MGD water reclamation plant; 23 sewer pump stations; and other related sewer facilities.

The sewer collection system is a very corrosive environment with hydrogen sulfide gases, sediment loads and other factors that affect the competency of the pipes. There is a continual need to repair and replace bad pipe segments. More than 50% of the sewer collection system is more than 75 years old (Figure 1).

The Sewer Engineering team provides sewer CIP planning, design and construction management services. The team must also coordinate the sewer CIP with other groups inside and outside the City (City Engineering, UDOT, etc.). The rehabilitation program is dependent on the level of funding each year but the goal is rehabilitation of at least 0.6% of our old pipe system every year (Figure 2).

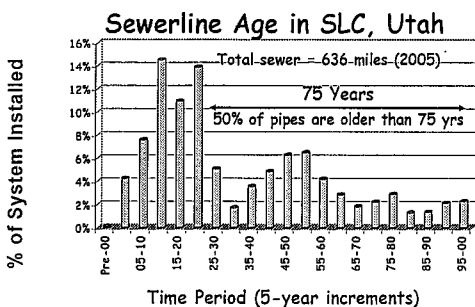


Figure 1. Pipeline Age for the Salt Lake City Sewer Collection System

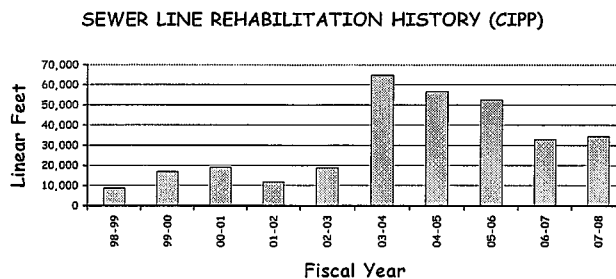


Figure 2. Sewer System Restoration Program

We are leveraging the funds allocated to repair sewer lines by using new technologies. This usually costs less than total pipe replacement and it effectively restores the pipe life. One of the new methods being used is cured-in-place-pipe liners (CIPP). This consists of a resin liner that is inserted into the old pipe and is hardened and activated by circulating hot water or steam in the pipe. When finished the resin liner is hardened and the old pipe life is restored. This can be effectively used for pipes that still have good grade. Over the last ten years over 56 miles of sewer line has been rehabilitated using CIPP methods. Another method used has been directionally boring a replacement line.

Public Utilities is trying to use the best technology to accomplish the CIP goals.

### BASE PURPOSE REVENUE – Sewer Utility

### SIX YEAR BUSINESS PLAN GOALS

Customer Service	Measures	2007-08 Actual	2008-09	Cumulative Targets			
				2009-10	2010-11	2011-12	2012-13
Rehabilitate 40,000 lineal feet (LF) of sewer main annually	Pipe Footage (LF) (see figure 2)	32,772	30,000	30,000	30,000	30,000	30,000
<b>Cumulative Targets</b>							
Financial Health	Measures	2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Control the cost of design deficiency change orders	Cost < 3% of total construction cost	0.06%	< 5%	< 3%	< 3%	< 3%	< 3%
<b>Cumulative Targets</b>							
Efficiency/Effectiveness	Measures	2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Coordinate sewer CIP with other agencies by publishing a monthly project status summary	Number project status reports published	4	12	12	12	12	12
Develop an asset management plan for the sewer infrastructure	Implementation date	--	--	July 2010	--	--	--
<b>Cumulative Targets</b>							
Workforce Quality	Measures	2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Improve employee job skills and knowledge	Hours of training per employee per year	17 hr	30 hr	30 hr	30 hr	30 hr	30 hr
Increase standardization of inspection methods	Hold inspector training meetings annually	100%	100%	100%	100%	100%	100%

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

<b>FUND:</b>	Stormwater	<b>COST CENTER</b>	53-10300
<b>DEPARTMENT:</b>	Public Utilities	<b>NUMBERS:</b>	
		<b>FTE /</b>	5.7
<b>DIVISION:</b>	Engineering	<b>BUDGET /</b>	\$431,554
<b>COST CENTER /</b>	Stormwater	<b>REVENUE</b>	Stormwater
<b>PROGRAM:</b>	Engineering		utility fees

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc)

**STATEMENT OF PURPOSE**

The purpose of the Drainage Engineering group is to provide planning, design and construction management the approved Public Utilities' capital improvement program (CIP). The drainage CIP goal is timely, cost efficient installation of new storm water facilities and control of construction change orders.

**BASE PURPOSE STATEMENTS**

- Complete the approved stormwater CIP. The performance measures are:
  1. Installation of 10,000 LF of new storm drains per year and other Master Plan facilities as funding allows
  2. Change orders < 3% of construction cost
- Provide design and construction services for the Public Utilities' drainage capital improvements
- Coordinate Public Utilities capital improvement program with other groups inside and outside the City (City Engineering, Salt Lake County Flood Control, UDOT, etc.)
- Provide Engineering assistance to the operation and maintenance division of the department for all stormwater facilities
- Responsible for engineering services for a drainage system which services 110 square miles of urban watershed; flood plain management; 20 drainage pump stations; and other related drainage facilities
- Complete Master Plan projects as funding is available.
- Use the best technology available to accomplish the CIP goals.

The Drainage Master Plan was completed in 1993. The projects identified in the Master Plan will take at least another 15 years to complete. Over the last ten years almost 40 miles of storm drain pipe has been installed (Figure 1). This has included some major projects (Figure2). These projects were funded from Stormwater Utility revenues and tax revenues

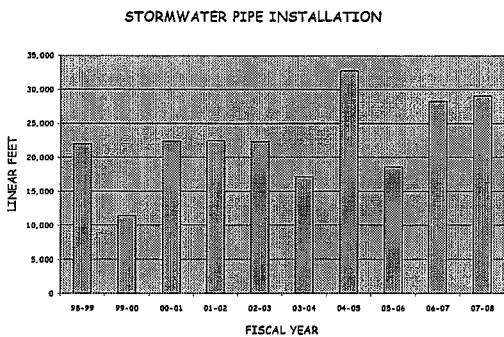


Figure 1. Drainage Pipe Installation History

Year	Project Name	Cost
1997	Imperial & 2700 South Storm Drain.....	\$1m
2000	200 South Pump Station at Jordan River....	\$850k
2001	Goggin Drain Improvements.....	\$200k
2002	Wilmington Storm Drain.....	\$500k
2006	900 South Storm Drain.....	\$16m
2007	CWA #2 Pump Station.....	\$1.2m
2008	City Creek Diversion .....	\$1.3m
2009	Upgrade Oil Drain Pump Station .....	\$700k
—	Westside Drainage Channels.....	(ongoing)
—	Replace Cross Drains in Avenues.....	(ongoing)
—	Detention Basin Telemetry.....	(ongoing)

Figure 2. Partial List of Master Plan Projects

refunded to the City from County Flood Control tax base. The current taxed property value of the City generates about one-third of the total County Flood Control tax base.

**BASE PURPOSE REVENUE – Stormwater Utility**

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	2007-08 Actual	2008-09	Cumulative Targets			
				2009-10	2010-11	2011-12	2012-13
Rehabilitate 10,000 lineal feet (LF) of storm drain pipe annually	Pipe Footage (LF) (see figure 1)	29,053	10,000	10,000	10,000	10,000	10,000
<hr/>							
Financial Health	Measures	2007-08 Actual	2008-09	Cumulative Targets			
				2009-10	2010-11	2011-12	2012-13
Control the cost of design deficiency change orders	Cost < 3% of total construction cost	8%	< 5%	< 3%	< 3%	< 3%	< 3%
<hr/>							
Efficiency/Effectiveness	Measures	2007-08 Actual	2008-09	Cumulative Targets			
				2009-10	2010-11	2011-12	2012-13
Coordinate sewer CIP with other agencies by publishing a monthly project status summary	Number project status reports published	4	12	12	12	12	12
Develop an asset management plan for the stormwater infrastructure	Implementation date	--	--	July 2010	--	--	--
<hr/>							
Workforce Quality	Measures	2007-08 Actual	2008-09	Cumulative Targets			
				2009-10	2010-11	2011-12	2012-13
Improve employee job skills and knowledge	Hours of training per employee per year	17 hr	30 hr	30 hr	30 hr	30 hr	30 hr
Increase standardization of inspection methods	Hold inspector training meetings annually	100%	100%	100%	100%	100%	100%

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

<b>FUND:</b>	Water, Sewer Stormwater	<b>COST CENTER NUMBERS:</b>	5102900 5211500
<b>DEPARTMENT:</b>	Public Utilities	<b>FTE /</b>	6.20
<b>DIVISION:</b>	Finance	<b>BUDGET /</b>	\$1,588,730
<b>COST CENTER / PROGRAM:</b>	Accounting	<b>REVENUE-investments</b>	\$500,000 Water, Sewer Stormwater

**AUTHORITY: Fiscal Procedures Act, State and City Ordinances, and GASB – Governmental Accounting Standards Board**

**STATEMENT OF PURPOSE**

The Accounting section properly records and accounts for the financial transactions of the department's three separate enterprise funds, providing a system of financial controls and producing timely information to management to assist in making informed cost effective decisions for managing the department's resources.

**BASE PURPOSE STATEMENTS**

1. Complete monthly department financial reports within three working days.
2. Provide financials to PUAC (Public Utilities Advisory Board), by the third week of each month.
3. Complete external financial audit field work by October 1 annually.
4. Complete and have audited financial report by November 20 of each year.
5. Prepare and issue all documents related to our \$57 million in outstanding debt.
6. Complete capital project within 15 days of the end of each month.
7. Prepare annual \$75 million utility budgets by February 28 each fiscal year.
8. Prepare and complete Statistical Department Report by January 15 of each year.
9. Complete reconciliations and general ledger adjustments within 10 days of month end.
10. Record, monitor and ensure proper approval of approximately 65,000 department expenditures.

**BASE PURPOSE REVENUE – Water, Sewer and Stormwater Utilities****SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Complete Statistical Report for department annually by January 15 each year.	Completed before January 15	98 %	100%	100%	100%	100%	100%
Financial Health	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Provide required information to bond agencies	Meet all deadlines	100%	100%	100%	100%	100%	100%
Maintain Debt Ratio below national average of 28%	Debt Ratio	14.8%	<28%	<28%	<28%	<28%	<28%
Maintain Return on Assets above 3% (national average is 2%)	Return on Assets	4.58%	<3%	<3%	<3%	<3%	<3%
Prepare month end financial statement	3 days to complete monthly closing	100%	95- 100%	95- 100%	95- 100%	95- 100%	95- 100%
Efficiency/Effectiveness	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Process approved purchases or payment for services within 2 business days.	Number of days	2.5	<2	<2	<2	<2	<2
Workforce Quality	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Cross train duties between accountants	Each person will learn and write down their duties with complete training in 6 months	75%	80%	100%	100%	100%	100%
Provide > 30 hours of training opportunities that will enhance skills and knowledge	Training hours	>26	>30	>30	>30	>30	>30

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

<b>FUND:</b>	Water	<b>COST CENTER NUMBERS:</b>	5102700
<b>DEPARTMENT:</b>	Public Utilities	<b>FTE /</b>	5.35
<b>DIVISION:</b>	Finance	<b>BUDGET /</b>	\$1,221,891
<b>COST CENTER / PROGRAM:</b>	Billing Department	<b>REVENUE</b>	Water, Sewer & Stormwater

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc)

**STATEMENT OF PURPOSE**

**To provide accurate and timely bill processing for the water, sewer, storm water, and garbage customers**

**BASE PURPOSE STATEMENTS**

The billing section reviews and processes over 96,000 bills a month with an average revenue stream of over \$75 million per year. The billing process for Salt Lake City is a very complicated process due to 15 county exchange agreements made over the last 75 years. This and the three different water conservation rate models built into the existing rate structure makes it one of the most complicated billings systems in the industry. This section continues to revise computer programs and systems to reduce costs and processing time. One of the section goals this year is to upgrade the system to provide e-statements to our customer as well as more internet services to our customers. This section continues to provide accurate and timely bills, but this next year they propose to reduce the number of average days in the billing cycle from 3 days to 2 1/2. This will be accomplished by continuing to automate the process. This section, like meter reading, has continued to reduce staff while maintaining a high level of service.

**BASE PURPOSE REVENUE** – Water, Sewer and Stormwater Utilities

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	2007-08 Actual	Cumulative Targets				
			2008-09	2009-10	2010-11	2011-12	2012-13
Provide E-statements by April 2009	Process implemented		>100%				
<b>Cumulative Targets</b>							
Financial Health	Measures	2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Maintain average billing cost per account to below the national average of \$42.03	Average billing costs per account	\$36.89	\$37.26	\$37.63	\$38.00	\$38.39	\$38.77
<b>Cumulative Targets</b>							
Efficiency/Effectiveness	Measures	2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Maintain an accuracy rating above 97%. National	Accuracy rating	>98.6%	>97%	>97%	>97%	>97%	>97%



average 92.5%							
Process bills within 2.5 average working days	Number of days	3.5 days	<2.5 days	<2.5 days	<2.5 days	<2.5 days	<2.5 days
<b>Workforce Quality</b>	<b>Measures</b>	<b>2007-2008 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>
Provide > 30 hours of training opportunities that will enhance skills and knowledge	Training hours	26	>30	>30	>30	>30	>30

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

**FUND:** Water Utility **COST CENTER NUMBERS:** 5102600  
**DEPARTMENT:** Public Utilities **FTE /** 17.10  
**DIVISION:** Finance **BUDGET /** \$882,062  
**COST CENTER /** Meter Reading **REVENUE** Water, Sewer  
**PROGRAM:** and Storm  
water  
**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc)

**STATEMENT OF PURPOSE**

Provide quality customer service through accurate and efficient data collection of field information

**BASE PURPOSE STATEMENTS**

The meter reading program is responsible to obtain field information from 96,000 accounts each month. It is the objective of the program is to better control the workflow in order to read 3,000 to 5,000 reads a day. This will allow other sections within the division to better handle billing and customer complaints related to the fluctuating workload. This section is also currently working on a residential meter replacement program. It is planned that 3,000 meter batteries will be replaced this year under this program. This section continues to handle an increase workload of 1% per year due to growth of the system without additional employees. This next year we will reduce the number of meter readers by one as we slowly change over to the radio reading program. The section has been able to handle this increase in growth by use of technology. Over the last five years the department has installed over 20, 000 radio equipped meters. Currently the cost to read meters by the city is below the national average of \$0.85 per read.

**BASE PURPOSE REVENUE** – Water, Sewer, and Stormwater Utilities

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Reduce number of loose meter lids complaints	Less than five complaints per year	2	<5	<5	<5	<5	<5
Financial Health	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Installation of 3,000 radio reading batteries per year under the meter change out program	Change out 2,000 meters per year	3,200	3,000	2,000	2,000	2,000	2,000
Maintain the cost to read meters below national	Cost per read	\$0.77	<\$0.85	<\$0.85	<\$0.85	<\$0.85	<\$0.85

average of \$0.85 per read							
<b>Efficiency/Effectiveness</b>	<b>Measures</b>	<b>Cumulative Targets</b>					
		<b>2007-08 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>
Maintain meter reading accuracy rate above 98%.	Meter reading accuracy rate >98.5%	98.5%	>98%	>98%	>98%	>98%	>98%
Read 950,000 meters annually	Average number of reads per day per meter reader >425	398	>425	>425	>425	>425	>425
<b>Workforce Quality</b>	<b>Measures</b>	<b>Cumulative Targets</b>					
		<b>2007-08 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>
Continue training for meter readers at 30 hours per year	Hours of Training per year per meter reader	21	>30	>30	>30	>30	>30

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

<b>FUND:</b>	Water Utility	<b>COST CENTER NUMBERS:</b>	5102800
<b>DEPARTMENT:</b>	Public Utilities	<b>FTE /</b>	19.10
<b>DIVISION:</b>	Finance	<b>BUDGET /</b>	\$1,134,126
<b>COST CENTER / PROGRAM:</b>	Customer Service	<b>REVENUE</b>	Water, Sewer Stormwater

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc)

**STATEMENT OF PURPOSE**

The Customer Service section provides professional customer interaction by telephone, written correspondence (e-mail and regular mail) as well as walk-in customers. This section's account collectors collect over \$2,241,512 in delinquent revenue.

**BASE PURPOSE STATEMENTS**

This section provides quality customer service to over 96,000 accounts. This section has handled an increasing workload of over 700 new accounts each year over the last five years with no increase in employees. Over 103,000 customer phone calls came into the call center in 2007 and more than 8300 walk-ins were helped in person as well as 810 customers were assisted via e-mail. This section handles all the collections on delinquent accounts. A total of \$2,241,512.00 was collected from an average of 3637 customers. This section recorded 67,274 payments made through the department's internet payment service. This section also made 24,213 field visits which were initiated by customer's requests as well as the billing department.

This section continues to receive high ratings from customers based on random surveys mailed out to customers. One of the goals this next year is to reduce the number of lost calls to below 9% by training new employees and expanding our internet services. The section plans to accomplish the following goals this next year:

1. Respond to customer e-mails within the same business day.
2. Implement a QA (quality assessment) program
3. Reduce the number of lost calls to below 9%
4. Expand services to our customers by way of the internet

**BASE PURPOSE REVENUE** – Water, Sewer and Stormwater Utilities

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Maintain customer service rating above 92%	Percentage of lost calls	93.4%	92%	92%	92%	92%	92%
Reduce of lost calls to below 9%	Number of lost calls	9.70%	<9%	<9%	<9%	<9%	<9%

		<b>Cumulative Targets</b>					
<b>Financial Health</b>	<b>Measures</b>	<b>2007-08 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>
Manage the accounts receivable system to keep the amount of write off's to below .05% of annual sales	Percentage of write off's to annual sales	0.08%	<0.05%	<0.05%	<0.05%	<0.05%	<0.05%
		<b>Cumulative Targets</b>					
<b>Efficiency/Effectiveness</b>	<b>Measures</b>	<b>2007-08 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>
Implement a QA (Quality Assessment) program	Quality assessment program by January 2009		100%				
		<b>Cumulative Targets</b>					
<b>Workforce Quality</b>	<b>Measures</b>	<b>2007-08 Actual</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>
Improve employee job skills and knowledge. Identify organization wide training priorities to sharply focus training resources on skills and competencies required to excel at providing municipal services	Identify and prioritize employee training needs by Sept. 1 annually.	100%	100%	100%	100%	100%	100%
Provide 30 hours of training per employee to enhance skills and technological knowledge	Hours of training	26	>30	>30	>30	>30	>30

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

**FUND:** Water - 51                      **COST CENTER NUMBERS:** 5102100  
**DEPARTMENT:** Public Utilities                      **FTE /** 4.05  
**DIVISION:** Finance                      **BUDGET /** \$292,988  
**COST CENTER / PROGRAM:** Warehouse                      **REVENUE** Water Utility

**AUTHORITY:** (ordinance, state statute, federal regulation, basic municipal function, etc)

**STATEMENT OF PURPOSE**

The primary purpose of the warehouse is to control and issue materials and supplies to the Utility operation and maintenance division in a timely and efficient manner.

**BASE PURPOSE STATEMENTS**

The warehouse section is responsible for a \$2.2 million inventory which provides supplies, tools and equipment to the water, sewer and stormwater maintenance section. The staff is responsible to receive, count and issue all inventory items. The section is run by 4.05 employees, who try to meet the ever-changing material requirements needed to maintain and run the Utility.

**BASE PURPOSE REVENUE** - Water Utility

**SIX YEAR BUSINESS PLAN GOALS**

Customer Service	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Financial Health	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Efficiency/Effectiveness	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Reduce stock shrinkage to below .015%	Percentage of stock shrinkage	3.6%	<.015%	<.015%	<.015%	<.015%	<.015%
Workforce Quality	Measures	Cumulative Targets					
		2007-08 Actual	2008-09	2009-10	2010-11	2011-12	2012-13
Provide > 30 hours of training opportunities that will enhance skills and knowledge	Training hours	21	>30	>30	>30	>30	>30

**PLANNING PERIOD: FY2009-10 THROUGH FY 2012-13**  
**FISCAL BUDGET PLANNING YEAR: FY2009-10**

<b>FUND:</b>	Sewer Utility- 52	<b>COST CENTER NUMBERS:</b>	5211100 5211200 5211300 5212200 5212300
<b>DEPARTMENT:</b>	Public Utilities	<b>FTE /</b>	62.50
<b>DIVISION:</b>	Water Reclamation	<b>BUDGET /</b>	\$6,174,653
<b>COST CENTER / PROGRAM:</b>	Reclamation Plant	<b>REVENUE</b>	Sewer Utility

**AUTHORITY: (ordinance, state statute, federal regulation, basic municipal function, etc)**

Utah Pollutant Discharge Elimination System (UPDES) where all UPDES permits are in compliance with provisions of the Utah Water Quality Act, Title 19 Chapter 5, Utah Code Annotated (UCA) 1953, as amended (the "ACT"). Receiving waters classification for the "Oil Drain Canal" is "Class 3E" and "The Great Salt Lake" is "Class 5" according to Utah Administrative Code (UAC) R317-2-13. Effluent limitations on total suspended solids (TSS), biochemical oxygen demand (BOD<sub>5</sub>), fecal and total coliforms, pH, and percent removal TSS and TBOD<sub>5</sub> are base on Utah Secondary Treatment Standards, UAC R317-1-3.2. Authority to require effluent bio-monitoring is provided in Permit Conditions, UAC R317-8-4.2, Permit Provisions, UAC R317-8-5.3 and Water Quality Standards, UAC R317-2-5 and R317-2-7.2. Biosolids limitations and self-monitoring requirements for metals, pathogens, vector attractions, and reporting are base on the 40 CFR 503 regulations. The storm water requirements are based on the UPDES Multi-Sector General Storm Water Discharges for Industrial Activity (MSGP). All sections of the MSGP that pertain to discharges from wastewater treatment plants have been included and sections which are redundant or do not pertain have been deleted.

- Municipal UPDES Permit No.UT0021725
- UPDES Biosolids Permit No.UTL-021725
- UPDES Multi-Sector General Storm Water Discharge Permit No.UTR000000 (MSGP)
- Industrial Pretreatment Program- established through EPA Section 307a,b of The Clean Water Act as amended by The Water Quality Act of 1987

**STATEMENT OF PURPOSE**

Cultivate and preserve a skilled professional and diversified staff that achieves the protection of the public health and environment through optimum performance of the City's wastewater treatment facility and effective administration of Federal Pretreatment Regulations.

**BASE PURPOSE STATEMENTS**

To protect public health and maintain or exceed compliance with all regulatory requirements.

- To maintain 100% compliance with plant effluent quality limits defined in our UPDES discharge permit.
- To maintain 100% compliance with the requirements of our UPDES biosolids disposal permit.
- To maintain 100% compliance with the requirements of our pretreatment program.
- Increase number of site inspections per pretreatment permit holders.
- To secure and maintain diverse and highly skill workforce capable of meeting and exceeding all requirement of the Salt Lake City Water Reclamation Facility.

**BASE PURPOSE REVENUE – Sewer Utility****SIX YEAR BUSINESS PLAN GOALS**

<b>Customer Service</b>		<b>Measures</b>	<b>2007-08 Actual</b>	<b>Cumulative Targets</b>				
				<b>2008- 09</b>	<b>2009- 10</b>	<b>2010- 11</b>	<b>2011- 12</b>	<b>2012- 13</b>
<b>Financial Health</b>		<b>Measures</b>	<b>2007-08 Actual</b>	<b>Cumulative Targets</b>				
				<b>2008- 09</b>	<b>2009- 10</b>	<b>2010- 11</b>	<b>2011- 12</b>	<b>2012- 13</b>
<b>Efficiency/Effectiveness</b>		<b>Measures</b>	<b>2007-08 Actual</b>	<b>Cumulative Targets</b>				
				<b>2008- 09</b>	<b>2009- 10</b>	<b>2010- 11</b>	<b>2011- 12</b>	<b>2012- 13</b>
Acceptance of monthly Discharge Monitoring Reports (DMR) by the State Division of Water Quality and EPA Region VIII	Submit monthly; timely, complete, and accurate DMR's with 100% compliance to all permit parameters	100%	100%	100%	100%	100%	100%	100%
Acceptance of Annual Biosolids report by the State Division of Water Quality and EPA Region VIII	Submit 1 per year; timely, accurate, and complete Biosolids Report with 100% compliance to all permit parameters	100%	100%	100%	100%	100%	100%	100%
Acceptance of Annual Pretreatment Report by the State Division of Water Quality and EPA Region VIII	Submit 1 per year; timely, accurate, and complete Pretreatment Report with 100% compliance to all permit parameters	100%	100%	100%	100%	100%	100%	100%
Increase exposure to permitted industries in order to confirm our commitment to the pretreatment program	Make one additional facility inspection per year than called for in the permit	2 site inspections per facility	2	2	2	2	2	2
<b>Workforce Quality</b>		<b>Measures</b>	<b>2007-08 Actual</b>	<b>Cumulative Targets</b>				
				<b>2008- 09</b>	<b>2009- 10</b>	<b>2010- 11</b>	<b>2011- 12</b>	<b>2012- 13</b>
Secure and maintain skilled Water Reclamation facility workforce	Require and provide continuing education on all aspects of reclamation facility	Develop and execute a comprehensive training plan	Same as 2007-08	Same as 2007-08	Same as 2007-08	Same as 2007-08	Same as 2007-08	Same as 2007-08
Provide training opportunities that will enhance skills and knowledge	2. Provide >30 hours of training per employee annually to enhance job skills	hours	>30 hours	>30 hours	>30 hours	>30 hours	>30 hours	>30 hours