

**SALT LAKE CITY COUNCIL STAFF REPORT**  
**BUDGET ANALYSIS - FISCAL YEAR 2010-11**

**DATE:** April 13, 2010  
**SUBJECT:** PUBLIC UTILITIES DEPARTMENT  
Water, Sewer, Stormwater Funds  
**STAFF REPORT BY:** Lehua Weaver  
**CC:** David Everitt, Jeff Niermeyer, Tom Ward, Jim Lewis, Rusty Vetter, 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 \$118,252,132 for the water, sewer and stormwater funds.

<b>Public Utilities Department 2010-11</b>				
<b>Water, Sewer, Stormwater Budgets</b>				
	Amended 2009-10	Proposed 2010-11	Difference	% Change
<b>Revenue &amp; other sources</b>				
Services Revenue	\$ 71,802,000	\$ 77,402,350	\$ 5,600,350	7.8%
Interest Income	770,000	650,000	\$ (120,000)	-15.6%
Impact Fees	1,050,000	1,050,000	\$ -	0.0%
Bond Proceeds	-	13,000,000	\$ 13,000,000	
Use of cash reserves	44,049,264	21,361,782	\$(22,687,482)	-51.5%
Other Various Revenue Sources	4,600,450	4,788,000	\$ 187,550	4.1%
<b>Total revenue &amp; other sources</b>	<b>\$ 122,271,714</b>	<b>\$ 118,252,132</b>	<b>\$ (4,019,582)</b>	<b>-3.3%</b>
<b>Expenses</b>				
Salaries, wages & benefits	\$ 24,855,469	\$ 25,077,863	\$ 222,394	0.9%
Materials & supplies	4,036,505	4,078,555	\$ 42,050	1.0%
Charges for services	29,931,214	31,429,464	\$ 1,498,250	5.0%
<b>Total operating expenses</b>	<b>\$ 58,823,188</b>	<b>\$ 60,585,882</b>	<b>\$ 1,762,694</b>	<b>3.0%</b>
Capital improvement	53,055,126	46,406,250	\$ (6,648,876)	-12.5%
Vehicles & equipment	5,108,400	4,975,000	\$ (133,400)	-2.6%
Debt Services	5,285,000	6,285,000	\$ 1,000,000	18.9%
<b>Total Operating Expenses &amp; Capital Outlay</b>	<b>\$ 122,271,714</b>	<b>\$ 118,252,132</b>	<b>\$ (4,019,582)</b>	<b>-3.3%</b>

This report includes some overall key points to the Department budget, and then provides some information specific to each fund.

The Department of Public Utilities has also provided information and background on their Watershed Land and Water Rights purchase program. A brief memo is attached for that item (Attachment A).

## OVERALL KEY POINTS

- Rate increases - For 2010-11, the proposed budget includes a rate increase in each of the three funds, as follows:

	Amount of Increase PER YEAR			
	Water	Sewer	Stormwater	Total
<i>Small Residential</i>	6.00	2.88	2.88	\$ 11.76
<i>Average Residential</i>	12.77	5.76	2.88	\$ 21.41
<i>Apartment</i>	955.31	252.00	207.36	\$ 1,414.67
<i>Manufacturing / Industrial</i>	5,680.39	2,434.00	438.00	\$ 8,552.39
<i>Commercial</i>	1,827.45	28.51	60.00	\$ 1,915.96

As the Council may remember, the Department did not originally propose any rate increases last year, but did end up working with the Council to implement a rate increase for the stormwater fund. (That rate increase was effective January 1, 2010.)

- Water Rate Structure - The proposed budget includes adding a fourth tier to the Summer water rates, as suggested by the Community Group and Public Utilities Advisory Committee. More information is provided below in the section specific to the Water Utility (page 4).
- Impact of Rate Increases to the General Fund - The rate increases in each of the utility funds will have a negative impact on the General Fund. The 5% water rate increase will cost the General Fund \$121,955; the 4.5% sewer increase will cost \$4,495 more; and the 6% stormwater increase will cost \$4,567. This totals a \$131,017 increase. However the rate increases will also increase franchise fee revenue to the General fund in the amount of \$147,150 for an overall positive effect of \$16,133.
- Capital Improvement Budget - The three budgets all include capital improvement projects totaling \$46,406,250. The Department has estimated that the favorable bidding climate has contributed to a savings of approximately \$18.8 million capital project costs. What is estimated to cost \$50.8 million to build in 2011 could cost as much as \$69.6 million to build in 2015.
- 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.
- Personal Services Budgets - Since the Department presents their budget to the Mayor and Council before the General Fund, the personal services budget is generally tentative. They follow what the General Fund and other budgets provide for employees, in terms of salary adjustments and insurance splits. 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). In keeping with this, there are no proposed salary increases for employees. However, insurance costs did increase 11% across all three funds. This will be split with employees. 26% is paid by employees and 74% by the City. This may change as the Mayor's recommended budget is finalized, and any necessary changes can be made prior to budget adoption. Retirement payments have also increased by 17%.

## QUESTIONS FOR CONSIDERATION

As Council Members read this budget, you may want to keep two questions in mind:

1. As the General Fund has struggled with the economic crunch, the Department of Public Utilities has tried to help mitigate any impact. For example, last year one major consideration for delaying rate increases was because of the impact to the General Fund departments that would pay the increased rates as well. In addition, on page 57 of the Department's transmittal, there is a list of charges from other City funds to the Department of Public Utilities. The Council may wish to ask what the full impact has been to the Department of Public Utilities.
2. Although the rate increases help to defray the reliance on each fund's cash reserves, the Council may wish to inquire about increasing the use of reserve funds or reducing capital improvement projects in the proposed budget to further delay a rate increase. The Council may also wish to inquire whether there would be an estimate for how a delay would affect future rate increases.

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

## WATER UTILITY BUDGET, 2010-11

The operating budget for the Water Enterprise Fund for fiscal year 2010-11 is proposed to be \$44,882,576, which is an increase of \$1,410,397, or 3.2%.

WATER FUND				
PROPOSED BUDGET				
	Amended	Proposed	Difference	Percent Change
	2009-10	2010-11		
<b>Revenue &amp; other sources</b>				
Charges for services	\$ 50,057,000	\$ 52,559,850	2,502,850	5.0%
Interest income	370,000	300,000	(70,000)	-18.9%
Inter-fund charges	2,389,450	2,591,000	201,550	8.4%
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	-	-	-	#DIV/0!
Use of cash reserves	15,078,189	9,611,976	(5,466,213)	-36.3%
<b>Total revenue &amp; other sources</b>	<b>\$ 69,349,639</b>	<b>\$ 66,517,826</b>	<b>(2,831,813)</b>	<b>-4.1%</b>
<b>Expenses</b>				
Salaries, wages & benefits	\$ 16,313,790	\$ 16,301,187	(12,603)	-0.1%
Materials & supplies	2,702,495	2,760,545	58,050	2.1%
Charges for services	24,455,894	25,820,844	1,364,950	5.6%
<b>Total operating expenses</b>	<b>\$ 43,472,179</b>	<b>\$ 44,882,576</b>	<b>1,410,397</b>	<b>3.2%</b>
Capital improvement	20,620,160	16,740,250	(3,879,910)	-18.8%
Vehicles & equipment	2,507,300	2,145,000	(362,300)	-14.4%
Debt Services	2,750,000	2,750,000	-	0.0%
<b>Total Operating Expenses &amp; Capital Outlay</b>	<b>\$ 69,349,639</b>	<b>\$ 66,517,826</b>	<b>(2,831,813)</b>	<b>-4.1%</b>

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

### Revenue Items:

- Water Rates – there are two components affecting water rates for 2010-11:
  - Rate Increase: The proposed budget includes a five percent rate increase, which would generate an additional \$2,502,850 in rate revenue.
  - Rate Structure: The Council may recall that over the past few budget years, the Department has discussed the need to review the rate structure and consider changes. A community group was convened to work with the consultant and generated some recommendations, which were reviewed by the Public Utilities Advisory Committee (PUAC).

From that process came the recommendation to add a fourth tier to the water summer rates to capture some of the highest water users, and ideally encourage more conservation. The fourth tier would affect customers who use over 70 ccf in the month. Generally, these are the customers with larger landscaped areas. That would primarily affect eastside and county

customers. Water wise landscaping and other conservation measures can help water customers avoid paying the fourth tier prices.

In comparing the effect of the proposed rate increase to the current rate structure, versus a four-tier structure, only the highest users are impacted. (Refer to page 50 in the Administration's transmittal.) The Council may elect to not implement the fourth tier. Although most of the community group members and PUAC members were supportive, there were a few comments in opposition.

- Use of Reserve Funds - \$9,611,976 of reserve funds will be used toward capital projects this year. The cash balance after use of these reserve funds will be \$13,387,594. The Department has a cash reserve (or fund balance) target of 10% of operating expenses. The \$13,387,594 would be 30% of the 2010-11 operating expenses. The healthy reserve balance has been critical to the Department's ability to sustain the capital improvement program during these tough economic times. At the end of Fiscal Year 2008-09, the cash reserves totaled \$37,877,759. Based on future year projections, by the end of 2012-13, it would be at \$8,458,795 (or 18% of operating expenses).
- Other Revenue Items -
  - Interfund Charges: The Department is increasing their charge to the Sewer, Stormwater, and Refuse Funds for the billing service provided. This will increase the water fund's revenue by \$201,550.
  - Interest Income: Decrease by \$70,000 as the Fund's cash reserves decrease.

#### Operating Expense Items:

- Metropolitan Water District - Between the budget to purchase water from Metro and the annual assessment for the Metro capital projects, the City pays \$18,190,892 to Metro each year. This is roughly 40% of the Water Fund's operating budget.
- Purchase of Water from Metropolitan Water District: The largest increase to Water operating expenses is due to the purchase price for water from the Metropolitan Water District. For the proposed fiscal year, the average rate per acre foot will increase to \$219, which is a \$6 increase per acre foot over last year. Metro implemented a seasonal rate last year, and the \$219 per acre foot averages the amount of water purchased at the winter rate, \$113, and the summer rate, \$330.

In addition to the per unit cost increase, the Department is also planning to purchase 51,000 acre feet this year, up from 48,000 in the past few years.

Both of these factors result in an increase to the budget of \$945,000.

To take advantage of the seasonal rate structure, the Department intends to purchase additional water in the winter to reduce usage of City wells.

The MWD has raised the rates for the past several years and anticipates rate increases in the coming years as well.

Year	Historical Rate (per acre foot)	Future Planned Rates
2004-05	\$150	
2005-06	\$163	
2006-07	\$175	
2007-08	\$188	
2008-09	\$200	
2009-10	\$213	
2010-11		\$219 (3%)
2011-12		\$226 (3%)
2012-13		\$233 (3%)
2013-14		\$240 (3%)
2014-15		\$247 (3%)
2015-16		\$254 (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 2010-11, and will continue for the next 23 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 has the opportunity to review the budget and give feedback, but does not approve the budget. One significant change to the Council's role in the Metro budget was made in this year's Legislative Session. For tax increases after January 1, 2015, the City Councils of Salt Lake and Sandy cities will be the taxing authority and a vote by the Councils will be necessary in order to approve a property tax increase. More information on the legislative changes will be addressed in a report prepared on the Metro budget later in May.

- Personal Services - (Overall decrease of \$12,603)

<u>Increase /</u> <u>(Decrease)</u>	<u>Description</u>
\$229,461	Increase to retirement payments (17%)
234,504	Increase to insurance costs (11%)
(399,022)	Decrease for the 1.5% salary reduction in the current fiscal year (their budget was not amended at the time of adoption last year)
(63,521)	Decrease due to classification changes
(14,025)	Transfer of .5 FTE to the Stormwater Fund

- Materials and Supplies (increase of \$58,050 or 2.2%) - The increase is due to the cost for recycled paper forms, and the postage rate.
- Charges for Services (increase of \$1,364,950 or 5.6%) - Charges for services is budgeted to increase by 5.6% 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>	<u>Description</u>
\$223,000	Risk Management Premiums - their insurance agency raised premiums based on dam risk.
45,600	Utility Costs
34,000	Bus Pass (to include FrontRunner)
30,000	Utah Lake costs
87,350	Other items (admin fees, evasive weed grant , data processing, communication, various.

### Capital Budget

The following is included in the budget for capital improvements and purchases for fiscal year 2010-11.

- Capital Outlay - Vehicles & Equipment (decrease of \$362,300 or 14%) - The \$2,145,000 budgeted for capital purchases 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.
- Continuation of the existing capital improvement program - This budget of \$16.7 million is in addition to the assessments for the Metropolitan Water District capital improvements.

<b>Proposed Water Capital Improvement Program</b>	
	<b>2010-11</b>
Replacement of water lines and hydrants	\$ 7,939,250
Land Purchases (watershed purchases)	\$ 1,000,000
Reservoirs	\$ 555,000
Service Line Replacement & new connection	\$ 2,200,000
Treatment Plants	\$ 704,000
Pumping Plant Upgrades	\$ 1,150,000
Maintenance Buildings	\$ 745,000
Water meter replacement	\$ 100,000
Meter change out program	\$ 800,000
Culverts, flumes & bridges	\$ 510,000
Landscaping	\$ 432,000
Wells	\$ 575,000
Water stock purchases	\$ 30,000
<b>Total Capital Improvement Program</b>	<b>\$16,740,250</b>

The Department has decreased the budget for Capital Improvement projects by \$3.9 million.

- Waterline replacement program - The Department plans to replace 34,000 feet of pipe (or 6.44 miles!).
- Water valve replacement - increase funding by \$1 million for replacements and increasing the number of valves - - this will reduce the time households go without water during shut downs and main breaks, because the area affected by water shut-offs will be more limited.
- 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 22,000 of these being radio reading devices. The radio-read meters are primarily in hilly areas and where meters are more spaced out or remote. Overall, the technology for radio-read meters is changing - while the cost of reading the radio meters is cheaper, the cost for the meter itself is still more than regular meters. As technology continues to develop and prices go down, the radio-read meters will become more cost-effective. One example of this is that when the radio-read meters were first installed, the batteries would only last about five years, but technology has continued to evolve and batteries are lasting closer to 10 years.

For more information about the Watershed Land fund, please see attachment A for a brief memo. A transmittal from the Administration is also included in your packets.

## **QUESTIONS FOR CONSIDERATION**

1. The Council may wish to ask about future projects that might require bonding.
2. The Council may wish to ask what percentage of users will see the most drastic increase to their monthly bill due to the rate increases and rate restructuring.



## SEWER UTILITY BUDGET, 2010-11

The operating budget for the Sewer Fund for fiscal year 2010-11 is proposed to be \$11,835,189 which is an increase of \$309,349 or 2.7% over fiscal year 2009-10. The capital budget, including debt service, is proposed to be \$29,670,000.

SEWER FUND				
PROPOSED BUDGET				
	Amended	Proposed		Percent
	2009-10	2010-11	Difference	Change
<b>Revenue &amp; other sources</b>				
Sewer service fees	\$ 16,500,000	\$17,242,500	\$742,500	4.5%
Interest income	250,000	250,000	\$0	0.0%
Permits	85,000	70,000	(\$15,000)	-17.6%
Impact fees	350,000	350,000	\$0	0.0%
Other	645,000	655,000	\$10,000	1.6%
Bond Proceeds	-	13,000,000	\$13,000,000	
Use of cash reserves	20,075,040	9,937,689	(\$10,137,351)	-50.5%
<b>Total revenue &amp; other sources</b>	<b>\$ 37,905,040</b>	<b>\$ 41,505,189</b>	<b>\$3,600,149</b>	<b>9.5%</b>
<b>Expenses</b>				
Salaries, wages & benefits	\$ 6,764,583	6953632	\$189,049	2.8%
Materials & supplies	1,221,310	\$1,205,310	(\$16,000)	-1.3%
Charges for services	3,539,947	3,676,247	\$136,300	3.9%
<b>Total Operating Expenses</b>	<b>\$ 11,525,840</b>	<b>\$ 11,835,189</b>	<b>\$309,349</b>	<b>2.7%</b>
Capital improvement	21,945,100	\$ 24,490,500	\$2,545,400	11.6%
Vehicles & equipment	2,499,100	2,244,500	(\$254,600)	-10.2%
Debt Services	1,935,000	2,935,000	\$1,000,000	51.7%
<b>Total Operating Expenses &amp; Capital Outlay</b>	<b>\$ 37,905,040</b>	<b>\$ 41,505,189</b>	<b>\$3,600,149</b>	<b>9.5%</b>

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

### Revenue Items:

- Rate Increase - A rate increase of 4.5% is proposed for 2010-11. This would generate approximately \$742,500 in additional revenue. Rate revenue is based on the water usage during winter months, since that is generally the usage attributable to indoor water use, including showers, dishwashers, etc. (which constitutes waste water). Therefore, these revenues are generally tied to the rate of users' conservation.

4% rate increases are planned for each of the next four years.

- Use of Reserve Funds - \$9,937,689 in reserve funds will be used toward capital projects.
- Bond Proceeds - In order to accelerate the rehabilitation of the Orange Street Trunk Line to the treatment plant, the Department proposes issuing \$10 million in bonds. In addition, earlier this year, the Council processed a bond issuance for \$6.3 million for a digester cover replacement project - this was the zero interest bond offered by the State using Stimulus Grant funds. The funding for this project will be spread over three years. For 2010-11, \$3 million will be budgeted.

**Operating Expense Items:**

- Personal Services - (Overall increase of \$189,049)

<u>Increase / (Decrease)</u>	<u>Description</u>
\$93,486	Increase to retirement payments (17%)
98,596	Increase to insurance costs (11%)
98,436	Increase for employees hired at a trainee pay level, and are moving up to higher pay levels
(101,469)	Decrease for the 1.5% salary reduction in the current fiscal year (their budget was not amended at the time of adoption last year)

- Materials and Supplies (overall decrease of \$16,000) - There is an anticipated decrease in instrumentation repair and supplies.
- Charges for Services (overall increase of \$136,300) - This increase is due to:

<u>Increase / (Decrease)</u>	<u>Description</u>
\$52,500	Increase to the Administrative Fees paid to the General Fund
40,000	Data Processing charges
32,500	Professional & Technical Services
15,000	Bus Pass (to include FrontRunner)
(3,700)	Various other increases / decreases

**Capital Budget**

The proposed budget reflects a total capital budget of \$29,670,000 for capital improvement projects, vehicle & equipment purchases, and debt service.

- Capital Improvement Projects (increase of \$2.5 million)

<b>Proposed Capital Improvement Program</b>	
<b>Sewer Fund</b>	
	<b>2010-11</b>
Collection Lines	\$15,155,500
Treatment Plant	\$ 8,200,000
Maintenance & repair shops	\$ 975,000
Lift Stations	\$ 160,000
<b>Total Capital Improvement Program</b>	<b>\$24,490,500</b>

- There are two major projects for the Sewer Fund:
  - Upgrade to the Orange Street Trunk Line, which is a collector line directly to the Treatment Plant. A portion of the line collapsed last year, and caused a new urgency to

upgrade the line. This will be a \$10 million project and the Department intends to issue bonds to pay for the project.

- Toward the end of 2009, the Council processed a bond issuance for a zero-interest bond with the State for a \$6.3 million digester cover replacement project. A \$3 million portion of that project will begin in 2010-11. This project is now expanded to include the replacement of the digester walls due to determination which will increase the total cost of the project to \$8 million.
- Over the last two years, the Department has conducted a "Sewer Master Plan Study". The results of the study provided a condition assessment of the sewer lines throughout the City, and a management plan for the repair or replacement to improve system capacity.
- In addition to these major projects, the Fund will replace 30,100 linear feet of pipe.
- Vehicle & Equipment Purchases (\$254,600 decrease) - The budget is \$2,244,500 for vehicles and equipment, including trucks, dump trucks, and other maintenance & plant equipment.

## QUESTIONS FOR CONSIDERATION

1. The Council may wish to ask whether the phase of the Sewer Master Plan Study has been completed addressing growth and planning citywide, specifically for the Northwest Quadrant.
2. A few Council Members may have had a chance to tour the upgrade to the 1800 North sewer line. The technique used to repair the line is a new technology. The Council may wish to ask for more information about the project.

## STORM WATER UTILITY BUDGET, 2010-11

The operating budget for the Stormwater Fund for fiscal year 2010-11 is proposed to be \$3,868,117, which is an increase of \$42,948 or 1.1% over fiscal year 2009-10. The capital budget, including debt service, is proposed to be \$6,361,000.

STORMWATER FUND PROPOSED BUDGET				
	Amended	Proposed	Difference	Percent Change
	2009-10	2010-11		
<b>Revenue &amp; other sources</b>				
Stormwater service fee	\$5,245,000	\$7,600,000	\$2,355,000	44.90%
County Flood Control				
Interest	150,000	100,000	(\$50,000)	-33.33%
Impact fees	200,000	200,000	\$0	0.00%
Systems constructed by developers	516,000	516,000	\$0	0.00%
Other revenue	10,000	1,000	(\$9,000)	-90.00%
Use of reserves	8,896,035	1,812,117	(\$7,083,918)	-79.63%
<b>Total revenue &amp; other sources</b>	<b>\$15,017,035</b>	<b>\$10,229,117</b>	<b>(\$4,787,918)</b>	<b>-31.88%</b>
<b>Expenses</b>				
Salaries, wages & benefits	\$1,777,096	\$1,823,044	\$45,948	2.59%
Materials & supplies	112,700	112,700	\$0	0.00%
Charges for services	1,935,373	1,932,373	(\$3,000)	-0.16%
<b>Total operating expenses</b>	<b>\$ 3,825,169</b>	<b>\$ 3,868,117</b>	<b>\$42,948</b>	<b>1.12%</b>
Capital improvement	10,489,866	5,175,500	(\$5,314,366)	-50.66%
Vehicles & equipment	102,000	585,500	\$483,500	474.02%
Debt Service	600,000	600,000	\$0	0.00%
<b>Total Expenses &amp; Capital Outlay</b>	<b>\$15,017,035</b>	<b>\$10,229,117</b>	<b>(\$4,787,918)</b>	<b>-31.88%</b>

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

### Revenue Items:

- Rate Increase - Last year, even before the decision to adopt a mid-year rate increase for the Stormwater fund, the Department had already planned for future year increases. This year, the budget includes a proposed 6% increase. The intention of the Department is that the larger increase this year would eliminate the need for an increase for the next few years.

The Administration had raised the likelihood of this rate increase, to pay for the Stormwater pieces of the North Temple project - namely, the design of completing the Folsom Avenue conduit from 250 West to the Jordan River. This will serve to divert City Creek flows and alleviate the likelihood of flooding along North Temple.

The 6% increase generates \$460,000 in additional revenue. The remaining \$1,895,000 in revenue increase is due to recognizing a full year of revenue from the \$1.00 increase effective January 1, 2010.

- Use of reserves – Using the \$1,812,117 from reserves would leave the balance at \$3,998,221. Current forecasts do not show use of reserves during 2011-12 or 2012-13. *The Council may wish to ask if there are more capital projects that could be completed using the cash on hand.* This \$3.99 million in cash reserves also takes into account that the projected actual use of reserves for this year will be closer to \$4.5 million rather than the \$8.9 million in the amended budget.

**Operating Expense Items:**

- Personal Services – (Overall increase of \$45,948)

<u>Increase / (Decrease)</u>	<u>Description</u>
\$25,208	Increase to retirement payments (17%)
25,672	Increase to insurance costs (11%)
14,025	Increase for employee transferred from the Water Fund
5,962	Classification changes
(24,919)	Decrease for the 1.5% salary reduction in the current fiscal year (their budget was not amended at the time of adoption last year)

- Charges for Services (decrease of \$3,000) – The change to this category is small. However, one item of note, is \$100,000 in continuing budget for the Riparian Corridor Study. \$600,000 was originally budgeted for the project, and this final amount should bring the study phase to completion. The current study area is for City Creek and Parley’s. Red Butte and Emigration Creeks are complete and projects are being identified based on the study results. There is \$450,000 included in the Stormwater capital budget for Riparian Corridor related projects.

**Capital Budget**

The proposed budget reflects a total capital budget of \$6,361,000 for capital improvement projects, vehicle & equipment purchases, and debt service.

- 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>2010-11</b>
Collection Lines (28,100 feet of pipe)	\$ 4,435,500
Lift Stations	\$ 290,000
Riparian Corridor Improvements	\$ 450,000
<b>Total Capital Improvement Program</b>	<b>\$5,175,500</b>

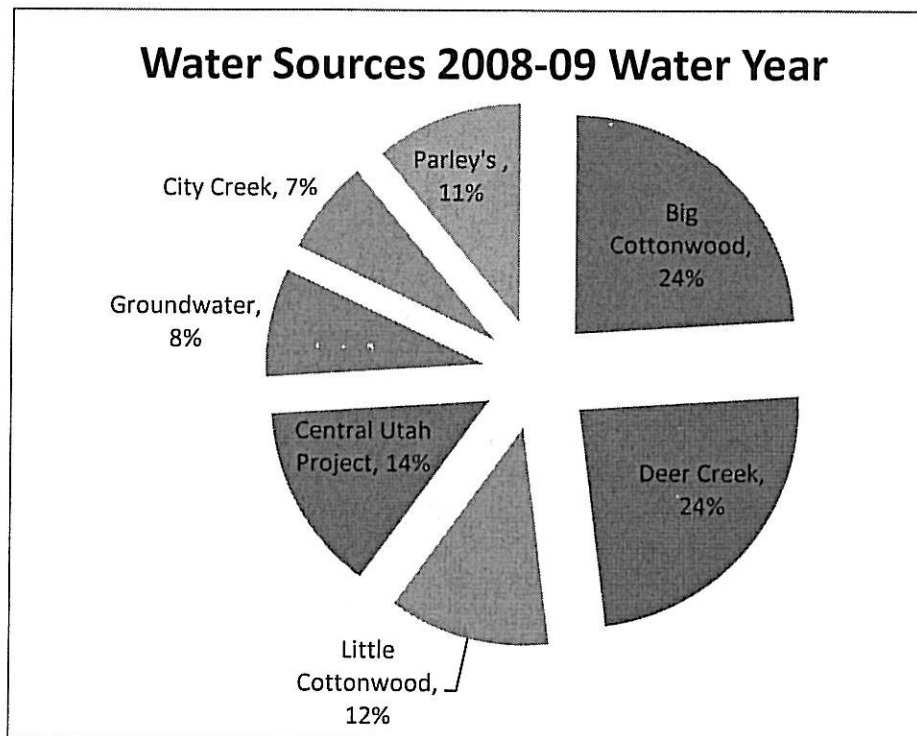
## QUESTIONS FOR CONSIDERATION

1. The Council may wish to ask about the Riparian Corridor Improvements. The residents involved with the study have raised several questions, and as expected, several projects have been identified. The Council may inquire how the administration of those projects will be handled, including whether staffing may be needed, funding will be budgeted each year in the future, and if so, for how long.
2. During the regional athletic complex discussion, some of the Council Members expressed interest in considering establishing a fund for riparian preservation and restoration, similar to the watershed fund. The Council may wish to discuss whether there is interest in considering this mechanism now or at some future date.
3. The Council continues to receive complaints from citizens about significant drainage issues in Districts 1, 2 and 6. The Council may wish to ask how the Department is handling major street drainage issues and whether there is a long-term capital plan to address such issues.

## 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 91,000 water service connections. The Department maintains treatment plants, wells, reservoirs, 1,222 miles of water mains, and 178 miles of conduit and supply lines.

Water Sources - For the 2008-09 water year (July to June; last full year available), below is a chart of sources for City water. The total used was 97,175 acre feet. (Note: the water from Little Cottonwood, Deer Creek, and CUP was delivered by Metro Water.)



## 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 99.85 employees. Effective January 1, 2001, sewer fees were 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.

## **STORM WATER BACKGROUND**

The Department of Public Utilities maintains over 470 miles of stormwater pipe and collection lines using 27.45 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. This last January was the first time rates have increased since 1991. No public tax dollars have been used to help the system. Stormwater employees also monitor the snow pack water content and manage the stormwater permit process.



JEFFRY T. NIERMEYER  
DIRECTOR

# SALT LAKE CITY CORPORATION

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

SCANNED TO: *Mayor*  
SCANNED BY: *hege*

DATE: *3/31/2010 1:00 PM*



*[Signature]*  
David Everitt, Chief of Staff

Date received: *03/31/2010*  
Date Sent to Council: *04/01/2010*

**TO:** J T Martin  
City Council Chair  
**DATE:** March 30, 2010

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

**SUBJECT:** Request for a briefing on proposed Public Utilities budget for 2010-2011

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

**DOCUMENT TYPE:** Budget Request

**RECOMMENDATION:** Approval of Public Utilities 2010-2011 budget

**BUDGET IMPACT:**

**Proposed Budget for 2010-2011**

	Operating Cost	Debt Service	Capital	Total
Water Utility	\$44,882,576	\$2,750,000	\$18,885,250	\$66,517,826
Sewer Utility	11,835,189	2,935,000	26,735,000	41,505,189
Stormwater Utility	3,868,117	600,000	5,761,000	10,229,117
<b>Total</b>	<b>\$60,585,882</b>	<b>\$6,285,000</b>	<b>\$51,381,250</b>	<b>\$118,252,132</b>

**Major Budgetary Topics**

- 5% Water rate increase will generate \$2.5 million additional revenue raising the average residential bill by \$1.07 more per month from \$26.53 to \$27.60.
- 4.5% Sewer rate increase will generate \$742,500 additional revenue raising the average residential bill by \$0.48 per month from \$10.56 to \$11.04.
- 6% Stormwater rate increase will generate \$460,000 additional revenue raising the average residential bill by \$0.24 more per month from \$4.00 to \$4.24.

**BACKGROUND/DISSION:**

The Public Utilities Advisory Committee on February 25, 2010, recommended to the Mayor the adoption of the proposed budget for 2010-2011. The budget document is attached, providing a



summary of major budget changes and capital improvement projects proposed for the next five-year period for all three Utility Funds.

**Other budgets recommendations are:**

**New Revenue Bond**

This budget recommends issuing \$10 million in sewer revenue bonds to finance the rehabilitation of over 3 miles of large sewer trunk mains that are severely corroded and started to fail along North Temple, Redwood Road and Orange Street.

**Replacement of Sewer Digester Covers at the Waste Water Treatment Plant**

This budget recommends the replacement of the sewer digester covers and wall repair at the Waste Water Treatment Plant over the next three years at an estimated cost of \$8 Million, of which \$6.3 Million will be financed by the zero interest bond sold to the State of Utah under the 2009 US American Relief & Recovery Act (ARRA).

**Expand Valve Replacement Program**

This budget recommends expanding our existing valve replacement program by \$1 million more per year to reduce the number of customers out of water during service breaks and during maintenance interruptions.

**Folsom Flood Control Project**

This budget includes funding to design Folsom Flood Control Project from 250 West to the Jordan River. This project will increase the capacity of the city creek drainage system and help alleviate flooding along the North Temple corridor. This project is expected to be constructed during the following budget year 2011-2012.

**Metropolitan Water District**

Based upon a previously approved rate structure, the wholesale price of water from Metropolitan will increase 3% next year. Public Utilities will pay for treated water at a rate of \$219 per Acre Foot, i.e. up from \$213 this year. Metropolitan water is expected to cost \$945,000 in 2010-11.

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%			

**Stormwater Riparian Corridor Study**

This study is currently into its second year which started in the 2008-09 budget year and is expected to conclude during the 2010-11 budget year. The expected budget this year will be \$100,000 for FY 10/11. Some of the recommended improvements and the financial impact are included in this year's capital improvement budget for \$450,000 with others improvements to be prioritized and recommended the following years.

**Maintain Strong Capital Improvement Program in all Funds**

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

- Water- 34,020 linear feet of pipe
- Sewer- 30,100 linear feet of pipe
- Storm- 28,100 linear feet of pipe

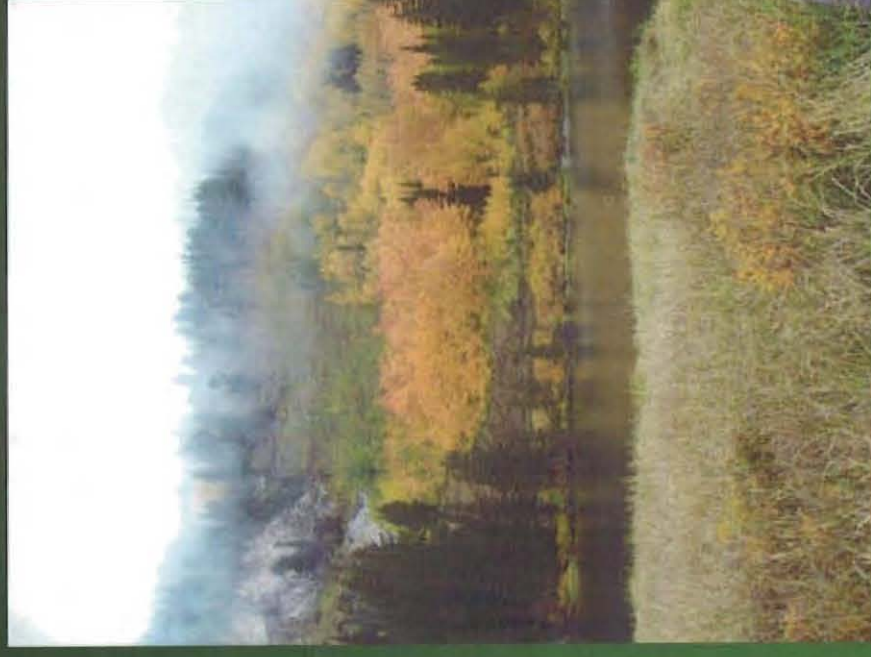
# Water, Sewer, and Storm Water Enterprise Funds

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FY 2010/2011  
Budget Proposal

March 2010

Salt Lake City  
Department of Public Utilities



**SALT LAKE CITY PUBLIC UTILITIES  
BUDGET FOR FISCAL YEAR 2010 - 2011**

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*Public Utilities  
Review & Approval*

  
Jeffrey T. Niermeyer, Director

  
Dick Gaddis PUAC, Chairman

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## **2010-2011 Executive Summary**

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

Highlights of the current budget proposal include:

- Implement the following rate increases:
  - 5% Water rate increase will generate \$2.5 million additional funding
  - 4.5% Sewer rate increase will generate \$742,500 additional funding
  - 6% Storm water rate increase will generate \$460,000 additional funding
- Proposed \$10 million Sewer Revenue Bond to finance replacement of a main sewer trunk line on Orange Street that has started to fail.
- Replace the Sewer Digester Covers and wall repair at the Waste Water Treatment Plant for \$8 million over the next three years of which \$6.3 will be financed by the zero interest bond sold this last year to the State of Utah.
- Expand the water valve replacement program to reduce the number of customers out of water during service breaks and during maintenance issues in the amount of \$1 million more per year.
- Design the Folsom Stormwater project from 250 West to the Jordan River. This project will increase the capacity of the city creek drainage system and help alleviate flooding along the North Temple corridor. This project is expected to be constructed during the following budget year of 2011-2012.

## 2010/2011 RECOMMENDED BUDGET

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### **Future Planned Rate Increases for all three funds:**

<b>Future Planned Rate Increases</b>			
Fiscal Year	Water	Sewer	Stormwater
2010/11	5%	4.5%	6%
2011/12	5%	4%	0%
2012/13	5%	4%	0%
2013/14	5%	4%	0%

### **No change in number of Full-time Employee Positions.**

#### **Metropolitan Water District.**

Based upon a previously approved rate structure, the wholesale price of water from Metropolitan will increase 3% next year. Public Utilities will pay for treated water at a rate of \$219 per Acre Foot (AF) up from \$213 this year. Metropolitan water is expected to cost an additional \$945,000 in 2010-2011.

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

2010-11	\$219 af	3%	2013-14	\$240 af	3%
2011-12	\$226 af	3%	2014-15	\$247 af	3%
2012-13	\$233 af	3%	2015-16	\$254 af	3%

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

The Sewer Collection System Master Plan is currently being completed which has provided 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.

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#### **Stormwater Riparian Corridor study.**

This study is currently into its second year which started in the 2008-09 budget but is expected to conclude in the 2010-2011 budget. The expected budget this year will be about \$100,000 for FY 10/11. Some recommended improvements and the financial impact are included in this year's budget with others to follow next year.

#### **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 \$1 million for replacement of lines in the Green Ditch area which

## 2010/2011 RECOMMENDED BUDGET

will increase water volume and pressure by replacing small size waterlines in the affected service area.

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

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

Water- 34,020 linear feet of pipe  
Sewer- 30,100 linear feet of pipe  
Storm- 28,100 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 90 miles of water main were replaced in the last ten years.

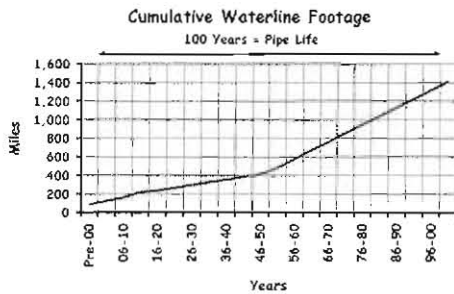


Figure 1. Pipeline Age for the Salt Lake City Water Distribution System

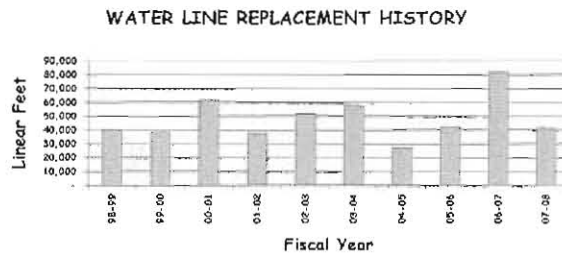


Figure 2. Water System Repair and Replacement Program

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).

# 2010/2011 RECOMMENDED BUDGET

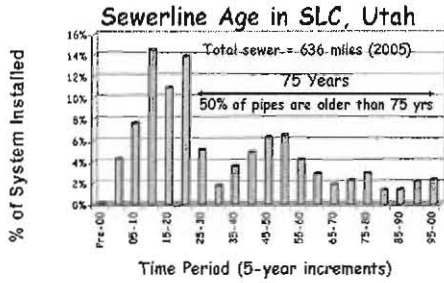


Figure 3. Pipeline Age for the Salt Lake City Sewer Collection System

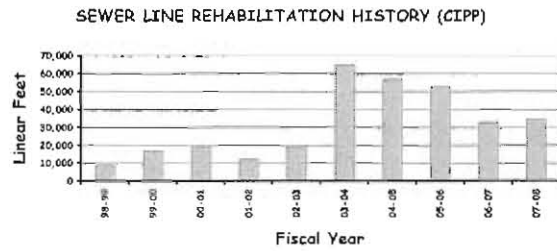


Figure 4. Sewer System Restoration Program

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.

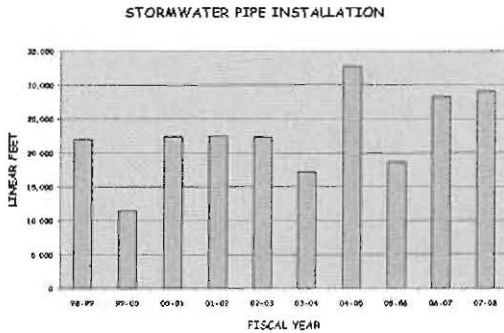


Figure 5. Drainage Pipe Installation History

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

# 2010/2011 RECOMMENDED BUDGET

## WATER UTILITY ENTERPRISE FUND –

### SUMMARY OF MAJOR BUDGET ISSUES

The recommended budget for the Water Fund for fiscal year 2010-2011

Illustrates a decrease in all expenditures by \$2.6 million or (3.79%).

- Rate Increase of 5%

Water rates were not increased last year as the department went thru an extensive water rate study this last year. The study recommended a seven percent rate increase and the addition of a fourth tier to be added to the rate structure. This would encourage customers to limit the amount of lawn area being watered and encourage water conservation. This budget proposes only a 5% increase in rates generating an additional \$2.5 million. This will strengthen our capital improvement program and maintain our infrastructure replacement program. The Department will need further rate increases over the next five years to continue the capital replacement program.

- 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 \$213 per AF to \$219 per AF with an additional cost of \$945,000.

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

2010-11	\$219 af	3%	2013-14	\$240 af	3%
2011-12	\$226 af	3%	2014-15	\$247 af	3%
2012-13	\$233 af	3%	2015-16	\$254 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 2009-2010	Proposed Budget 2010-2011	Difference	Percent
Charges for services	\$50,057,000	\$52,559,850	\$2,502,850	5.00%
Interest	370,000	300,000	(70,000)	-18.92%
Interfund charges	2,389,450	2,591,000	201,550	8.43%
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%
Use of Reserve Funds	15,078,189	9,611,976	(5,466,213)	-36.25%
<b>TOTAL</b>	<b>\$69,349,639</b>	<b>\$66,517,826</b>	<b>(\$2,831,813)</b>	<b>-4.08%</b>



## 2010/2011 RECOMMENDED BUDGET

Revenue from Charges for Services: The proposed budget reflects a 5% increase in water rates effective July 1, 2010. This rate increase will generate an additional \$2.5 million and increase the average residential customer's bill by \$1.50 per month. However, due to the implementation of the fourth tier, customers with higher summer water usage will see an increase slightly higher than 5% and customer with lower usage will see a smaller increase than 5% starting July 1<sup>st</sup>. The rate increase will increase funding for our capital improvement program and cover the cost of the Metropolitan Water rate increases.

Interest Income: Interest income will continue to decrease as the Utility reduces the current cash balance to construct capital improvements over the next five year period.

Interfund Charges and Other Reimbursements: The Water Utility is increasing the charge to outside funds for bill processing and handling 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. The amount 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: The Department expects to draw on over \$9.6 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 (\$2,831,813) or 4.08% over the 2009 - 2010 budget. The proposed budget for fiscal year 2010 - 2011 by major category is as follows:

Major Expenditure Category	Amended Budget 2009-2010	Proposed Budget 2010-2011	Difference	Percent
Personal services	\$16,313,790	\$16,301,187	(\$12,603)	-0.08%
Materials and supplies	2,702,495	2,760,545	58,050	2.15%
Charges for services	24,455,894	25,820,844	1,364,950	5.58%
Debt service	2,750,000	2,750,000	0	0.00%
Capital outlay	2,507,300	2,145,000	(362,300)	-14.45%
Capital improvement program	20,620,160	16,740,250	(3,879,910)	-18.82%
<b>TOTAL</b>	<b>\$69,349,639</b>	<b>\$66,517,826</b>	<b>(\$2,831,813)</b>	<b>-4.08%</b>

## 2010/2011 RECOMMENDED BUDGET

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Personal Services: The proposed budget drops <\$12,603> from last year based on a 0% salary projection along with a 10% insurance increase and 17% increase in retirement payments. This budget also recommends transferring 0.60 FTE from the Water Utility to the Stormwater Utility to perform federal mandated dry weather sampling this next year.

Materials & Supplies: The proposed budget for materials and supplies will increase 2.1% in the amount of \$58,050 for the following reasons:

- Increase in special forms as we move to recycled paper \$17,500
- Increase in postage due to last year's rate increase of \$40,950
- Other miscellaneous reductions of (\$400)

Charges for Services: The Department proposes the following budget changes to the charges for services as it increases \$1,364,950:

- Increase of \$945,000 for water purchases and treatment from the Metropolitan Water District.
- Increase in utility costs for power and natural gas of \$45,600.
- Increase in Administrative fees paid to the General Fund of \$22,500
- Increase in Risk Management premiums of \$223,000
- Increase in employee bus passes of \$34,000
- Increase in special consultants fees to expand evasive weed control in the watershed funded by the Forest Service under a Federal Grant - \$25,000.
- Increase in Utah Lake costs of \$30,000.
- Increase in data process costs of \$40,000
- Increase in communication equipment maintenance costs \$2,500
- Other various decreases of <\$2,650>.

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Capital Outlay: The proposed Water budget for fiscal year 2010 - 2011 includes capital outlay for the replacement of vehicles and heavy equipment which are worn out and no longer cost effective to maintain and to provide better and more fuel efficient vehicles. Although capital outlay is nearly \$412,300 less than the previous year, the Department is still replacing about 15 vehicles. Based upon core function needs (maintenance, snow travel, etc), most of the replacements are

## 2010/2011 RECOMMENDED BUDGET

standard ½ 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 2010 - 2011 is \$3.8 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 2010-2011</b>	
<b>Type of Project</b>	<b>Budget Amount</b>
Replacement of water lines and hydrants	\$7,939,250
Reservoirs	555,000
Treatment plants	704,000
Wells	575,000
Maintenance buildings	745,000
Water meter replacement	100,000
Meter change out program	800,000
Culverts, flumes & bridges	510,000
Water stock purchases	30,000
Land purchases	1,000,000
Landscaping & Conservation Projects	432,000
Service Line Replacement & new connection	2,200,000
Pumping Plant Upgrades	1,150,000
<b>Total 2010-2011 Capital Improvement Program</b>	<b>\$16,740,250</b>

There are no major changes in the water capital budget except the proposed increase in the valve replacement program. It is proposed that by increasing funding for the valve replacement program the department will reduce the number of households without water during shut downs and main breaks. The additional cost of this program will be \$1 million per year for the next five years. 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 \$2.2 million program. Reservoir repairs will run \$555 thousand. The budget also includes a new pump station and line to the Olympus pump station costing \$1 million, which will be funded through impact fees.

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# 2010/2011 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 2010- 2011 includes a 4.5% rate increase, \$10 million bond issue, \$3 million in stimulus funding as expenditures increase \$4.4 million or 11.85%. This increase translates to a \$309,000 change in operations with the remaining increase related to capital improvements and debt service.

- Rate increase of 4.5% to pay for aging infrastructure – The department is recommending for the Sewer Fund a 4.5% rate increase or \$5.76 annually to average residential users, to pay for aging infrastructure needs now and in the future. This will equal \$0.48 more per month for an average residential customer. The rate increase will add \$742,500 additional revenue this next year.
- Replacement of Orange Street Trunk Line to Treatment Plant – A significant sewer collector line to the wastewater treatment plant requires replacement to avoid collapse and health problems from a major sewer backup. \$10 million will be required to fix this problem that has quickly become a top department priority.
- Bond issue for urgent capital infrastructure – Bond proceeds of \$10 million are required for a one time major sewer trunk line upgrade and its related additional \$1 million debt service.
- Stimulus grant funds for anaerobic digester covers – Stimulus aid of \$6.3 over a 3 year period or \$3 million this next year will be used in replacement of three existing digester covers with a more efficient design for addition gas storage. This will increase both gas pressure and volume to the plant's co-generation facility providing potential for additional energy savings for plant costs and mitigating odor problems.

<b>Suggested Current and Future Rate Increases</b>	
2010/11	4.5%
2011/12	4%
2012/13	4%
2013/14	4%
2014/15	4%

## 2010/2011 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 2009-2010	Proposed Budget 2010-2011	Difference	Percent
Sewer Services Fees	\$16,500,000	<b>\$17,242,500</b>	\$742,500	4.50%
Interest	250,000	<b>250,000</b>	0	0.00%
Permits	85,000	<b>70,000</b>	(15,000)	-17.65%
Other	135,000	<b>135,000</b>	0	0.00%
Impact Fees	350,000	<b>350,000</b>	0	0.00%
Contribution by Developers	500,000	<b>500,000</b>	0	0.00%
Sale of Property	10,000	<b>20,000</b>	10,000	100.00%
Bonds/Grants	0	<b>13,000,000</b>	13,000,000	N/A
Reserve Funds	20,075,040	<b>9,937,689</b>	(10,137,351)	-50.49%
<b>TOTAL</b>	<b>\$37,905,040</b>	<b>\$41,505,189</b>	<b>\$3,600,149</b>	<b>9.50%</b>

### Explanation of revenue

Sewer service fees: Rate change requested of 4.5% to handle the increased debt and infrastructure needs of the sewer system.

Interest Income: Expected to remain low.

Permit fees: Permits for construction are expected to drop because of the economy.

Other income: Changes in other income net out with no difference

Impact Fees: No changes in impact fees are expected.

Reserve Funds: Reserve funds of \$9,937,689 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.

## 2010/2011 RECOMMENDED BUDGET

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### Analysis of Expenditures

The expenditure budget for the Department is proposed to increase \$3,600,149 or 9.5% over the 2009 - 2010 budget. As shown below, the increase is driven by the capital improvement program. The proposed budget for fiscal year 2010 - 2011 by major category is as follows:

Major Expenditure Category	Amended Budget 2009-2010	Proposed Budget 2010-2011	Difference	Percent
Personal services	\$6,764,583	<b>\$6,953,632</b>	\$189,049	2.79%
Materials and supplies	1,221,310	<b>1,205,310</b>	(16,000)	-1.31%
Charges for services	3,539,947	<b>3,676,247</b>	136,300	3.85%
Debt services	1,935,000	<b>2,935,000</b>	1,000,000	51.68%
Capital improvements	21,945,100	<b>24,490,500</b>	2,545,400	11.60%
Capital outlay	2,499,100	<b>2,244,500</b>	(254,600)	-10.19%
<b>TOTAL</b>	<b>\$37,905,040</b>	<b>\$41,505,189</b>	<b>\$3,600,149</b>	<b>9.50%</b>

Personal Services: The proposed budget increases 189,049 from last year based on a 0% salary projection along with a 10% insurance and 17% retirement increase. Positions did not increase but some small career ladder adjustments were budgeted.

Materials & Supplies: The proposed budget for materials and supplies decreased (\$16,000). These changes are:

- Various small increases and decreases, such as \$20,000 Co-gen maintenance increase but a <\$20,500> decrease in instrumentation repair and decrease of <\$8,000> for postage and <\$8,000> for special forms.

Charges for Services: The section of charges and services increased \$136,300 in the following areas

- Professional and technical services increased \$32,500
- Decreased Utility costs of <\$37,400>
- Increase cost of employee bus passes \$15,000
- Increase in Administrative fees paid to the General Fund of \$52,500
- Increased costs for Data Processing \$40,000
- Travel decreased <\$10,000>.
- Membership fee to National Organization increased by \$14,000.

## 2010/2011 RECOMMENDED BUDGET

- Increase in Waste Disposal \$30,000.
- Other decreases <\$300>.

Debt Service: - The annual debt service will go up \$1 million per year as the Utility issues the \$10 million in revenue bonds this next year. Debt service will increase in the following year by \$300,000 per year as the Utility is required to start paying back the State of Utah for the \$6.2 million zero interest rate revenue bond.

Capital Outlay: - The proposed capital outlay budget will decrease by \$254,600 this next year due to fewer large vehicles being replaced this next year.

Capital Improvements: - The proposed capital improvement program will finance the replacement of a major sewer trunk line on Orange Street which partially collapsed last year. Listed below by category are the general project types that are budgeted for fiscal 2010-11

<b>Proposed Capital Improvement Program for Fiscal Year 2010-2011</b>	
<b>Type of Project</b>	<b>Budget Amount</b>
Maintenance and repair shops	\$975,000
Lift Stations	160,000
Treatment Plant	8,200,000
Collection Lines	15,155,500
<b>Total 2010 – 2011 Capital Improvement Program</b>	<b>\$24,490,500</b>

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## 2010/2011 RECOMMENDED BUDGET

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### STORMWATER UTILITY ENTERPRISE FUND

#### *SUMMARY OF MAJOR BUDGET ISSUES*

The recommended budget for the Stormwater Fund for fiscal year 2010 – 2011 decreases for all costs by (\$4.7 million) or 31.88 %. This budget includes a 6% increase in rates to continue to finance the capital improvement program.

- **6% Rate Increase** This budget proposes to increase storm water rates by an additional \$0.24 per residential account. This increase will increase the residential account from \$4.00 per month to \$4.24 per month or \$2.88 more per year and generate \$460,000 in additional revenue. This would eliminate the future rate increases originally planned of 3% per year for the next five years.
- **Riparian Corridor Phase II** The riparian study has completed two of the four canyons included in the study. The study is planned to be completed by sometime next year. This budget includes an additional \$100,000 to complete the study. The Riparian Corridor Overlay District was created January 15, 2008 by City Council ordinance to protect vegetative zones, open ground stream beds, 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.

<b>Future Planned Rate Increases</b>	
2009/10	6%
2010/11	0%
2011/12	0%
2012/13	0%
2013/14	0%



## 2010/2011 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 2009-2010	Proposed Budget 2010-2011	Difference	Percent
Operating Sales	\$5,245,000	<b>\$7,600,000</b>	\$ 2,355,000	44.90%
Interest	150,000	<b>100,000</b>	(50,000)	-33.33%
Impact fees	200,000	<b>200,000</b>	0	0.00%
Contributions by Developers	516,000	<b>516,000</b>	0	0.00%
Other	10,000	<b>1,000</b>	(9,000)	-90.00%
From (To) Reserves	8,896,035	<b>1,812,117</b>	(7,083,918)	-79.63%
<b>TOTAL</b>	\$15,017,035	<b>\$10,229,117</b>	(\$4,787,918)	-31.88%

Operating Sales: Sales are expected to increase due to the approved 33% increase in rates effective January 1<sup>st</sup> of this year in the amount of \$1.8 million and the proposed rate increase of 6% in the amount of \$460,000. The total of both increases will be \$2.3 million over the previous year.

Interest Income: Interest will decrease as the cash reserves are expended.

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: The Utility will use \$1,812,117 from reserve funds this next year.

### Analysis by Proposed Expenditures

The expenditure budget for the Department is proposed to decrease \$(4,787,918) or 31.88% over the 2009-2010 budgets. The proposed budget for fiscal year 2010 - 2011 by major expenditure category is as follows:

Major Expenditure Category	Amended Budget 2009-2010	Proposed Budget 2010-2011	Difference	Percent
Personal services	\$1,777,096	<b>\$1,823,044</b>	\$ 45,948	2.59%
Materials and supplies	112,700	<b>112,700</b>	0	0.00%
Charges for services	1,935,373	<b>1,932,373</b>	(3,000)	-0.16%
Debt Service	600,000	<b>600,000</b>	0	0.00%
Capital improvements	10,489,866	<b>5,175,500</b>	(5,314,366)	-50.66%
Capital equipment	102,000	<b>585,500</b>	483,500	474.02%
<b>TOTAL</b>	\$15,017,035	<b>\$10,229,117</b>	(\$4,787,918)	-31.88%

## 2010/2011 RECOMMENDED BUDGET

---

Personal Services: The proposed budget increases \$45,948 from last year based on a 0% salary projection along with a 10% insurance increase and a 17% increase in retirement income. This budget does include the addition of 0.60 seasonal FTE from the Water Utility to perform mandated dry weather sampling this next year.

Materials & Supplies: The proposed budget for materials and supplies did not change over last year.

Charges & Services: No major changes in this category with only \$3,000 overall decrease.

Debt Service: The amount of debt service is expected to stay the same this next year.

Capital Equipment: The proposed capital equipment budget increased by 483,500 over last year as the Utility is planning on purchasing a replacement vactor truck and two dump trucks.

Capital Improvements: The proposed budget of \$5,175,500 is \$5,314,366 lower than last year.

The capital improvement budget for 2010 – 2011 includes projects as follows:

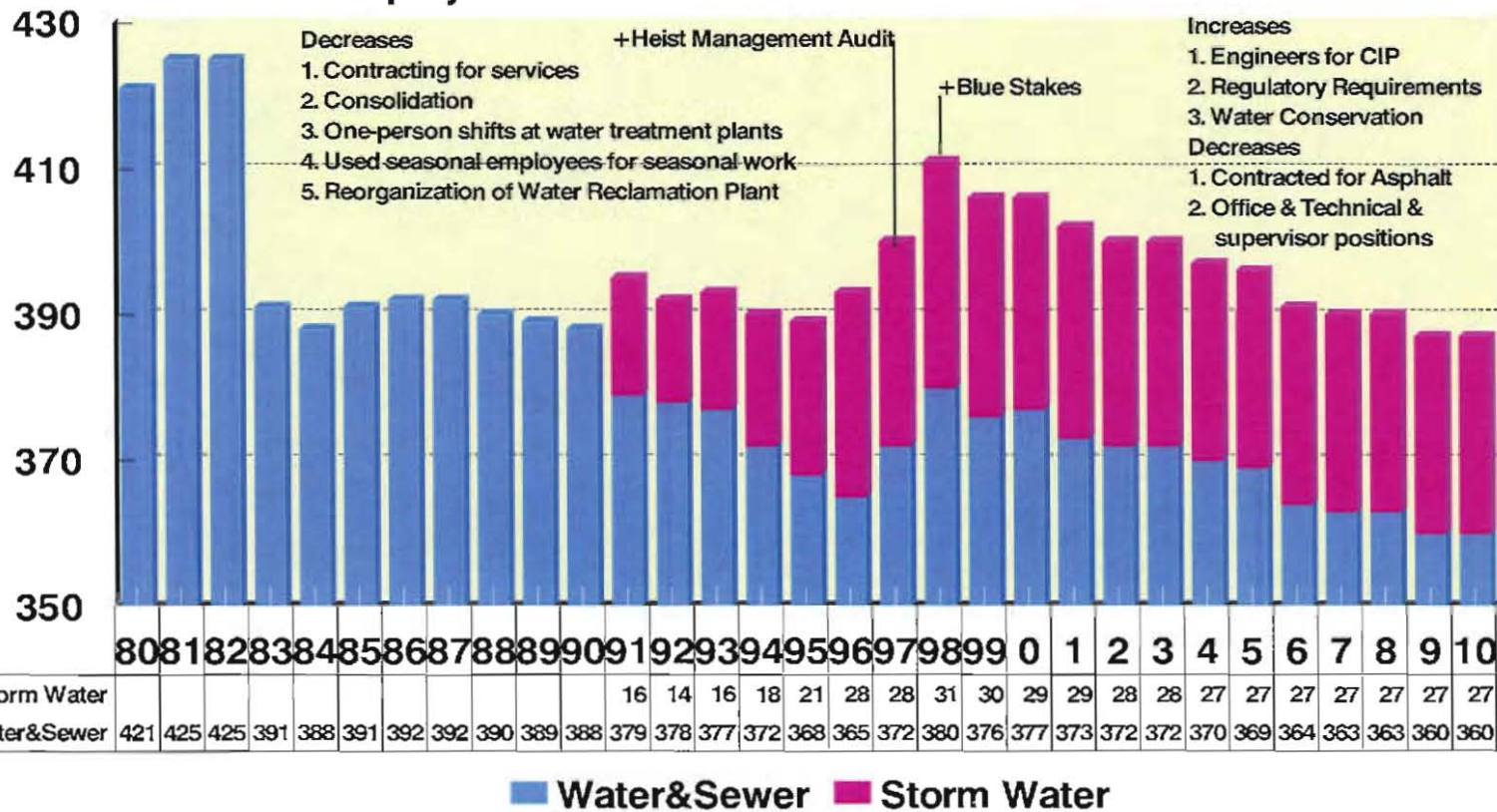
<b>Proposed Capital Improvement Program for Fiscal Year 2010-2011</b>	
<b>Type of Project</b>	<b>Budget Amount</b>
Lift Stations	\$ 290,000
Riparian Corridor Improvements	\$ 450,000
Collection Lines	\$ 4,435,500
Total 2010 – 2011 Capital Improvement Program	\$ <b>5,175,500</b>

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

<i>APPROPRIATION NUMBER</i>	<i>DESCRIPTION</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2001</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>2005</i>	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>PROPOSED 2011</i>
<i>WATER UTILITY</i>																
5101	SOURCE OF SUPPLY	11.00	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	11.25
5103	POWER & PUMPING	11.00	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	3.30
5105	PURIFICATION	51.00	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	45.80
5107	TRANSMISSION & DISTRIBUTION	141.00	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	109.10
5109	SHOPS & MAINTENANCE	48.50	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	29.90
5111	CUSTOMER ACCOUNTING & COLLECTIONS	49.50	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	46.55
5113	WATER ADMINISTRATION	13.00	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	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	0.50	0.50
<i>WATER UTILITY TOTAL</i>		<i>325.00</i>	<i>274.75</i>	<i>257.73</i>	<i>273.45</i>	<i>266.05</i>	<i>269.20</i>	<i>270.10</i>	<i>269.90</i>	<i>267.60</i>	<i>266.60</i>	<i>262.80</i>	<i>263.40</i>	<i>262.90</i>	<i>259.90</i>	<i>259.30</i>
<i>SEWER UTILITY</i>																
5220	LIFT STATIONS	5.00	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	5.00
5230	COLLECTION SYSTEM	32.00	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	26.25
5260	RECLAMATION PLANT	55.00	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	62.50
5280	ACCOUNTING & CUSTOMER SERVICE	2.00	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	1.20
5290	SEWER ADMINISTRATION	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	4.50
5290	PUBLIC UTILITIES ADMINISTRATION	0.00	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	0.40
<i>SEWER UTILITY TOTAL</i>		<i>96.00</i>	<i>108.98</i>	<i>110.50</i>	<i>103.67</i>	<i>107.07</i>	<i>102.60</i>	<i>102.20</i>	<i>100.55</i>	<i>101.60</i>	<i>101.60</i>	<i>101.30</i>	<i>99.90</i>	<i>100.30</i>	<i>99.85</i>	<i>99.85</i>
<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	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	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	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	2.80
<i>STORM WATER TOTAL</i>				<i>21.10</i>	<i>28.68</i>	<i>28.68</i>	<i>28.30</i>	<i>27.80</i>	<i>27.15</i>	<i>26.50</i>	<i>26.50</i>	<i>26.30</i>	<i>26.30</i>	<i>26.40</i>	<i>26.85</i>	<i>27.45</i>
<i>PUBLIC UTILITIES TOTAL</i>		<i>421.00</i>	<i>383.73</i>	<i>389.33</i>	<i>405.80</i>	<i>401.80</i>	<i>400.10</i>	<i>400.10</i>	<i>397.60</i>	<i>395.70</i>	<i>394.70</i>	<i>390.40</i>	<i>389.60</i>	<i>389.60</i>	<i>386.60</i>	<i>386.60</i>

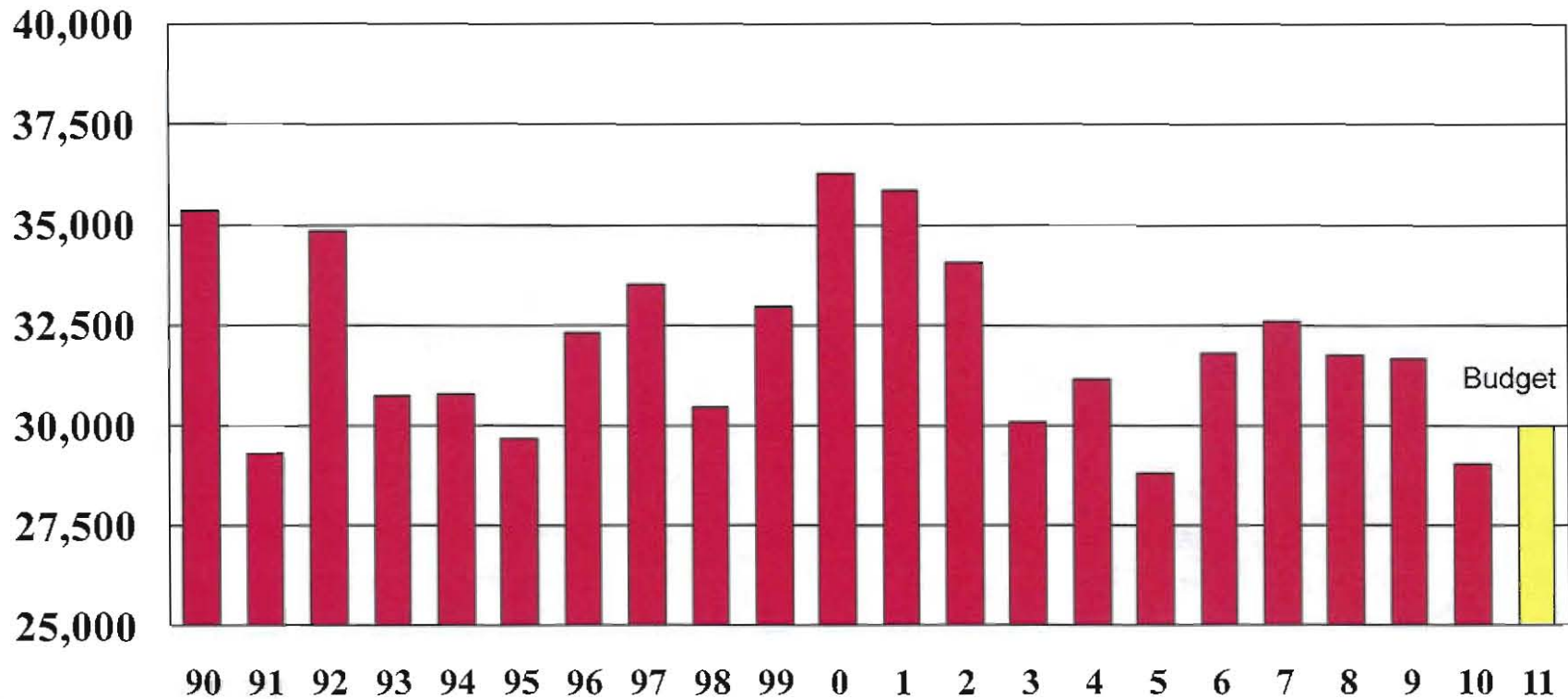
# Public Utilities Number of Employees

Number of Employees

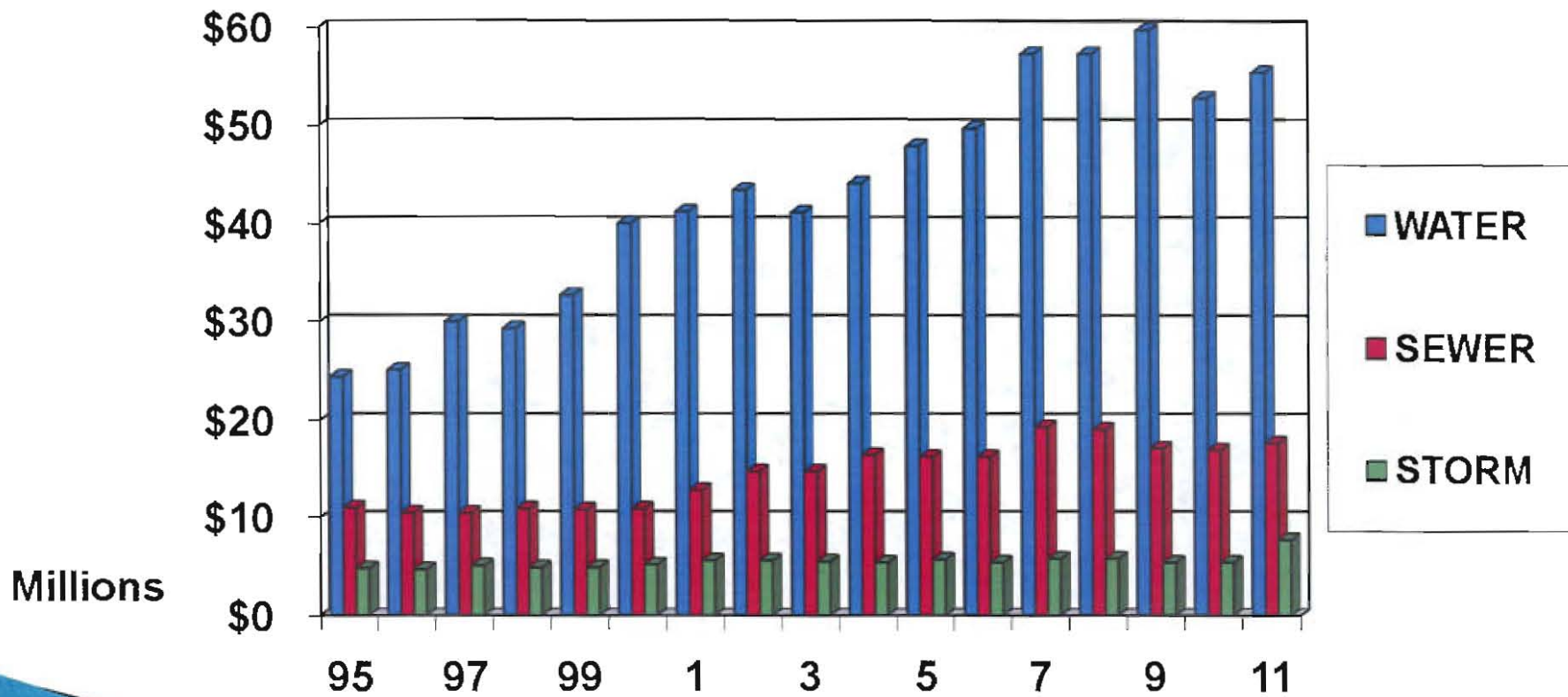


Stormwater division transferred to Public Utilities in 1991

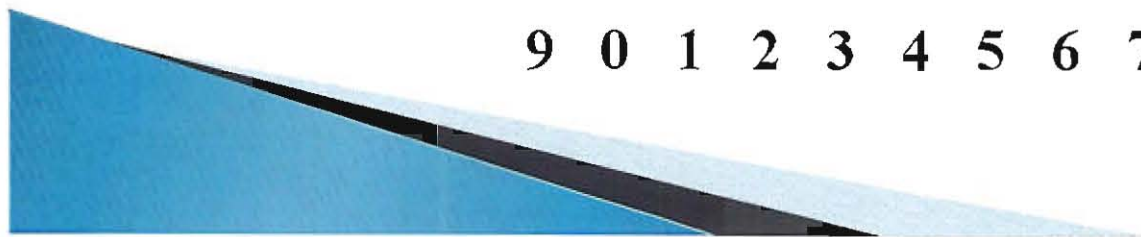
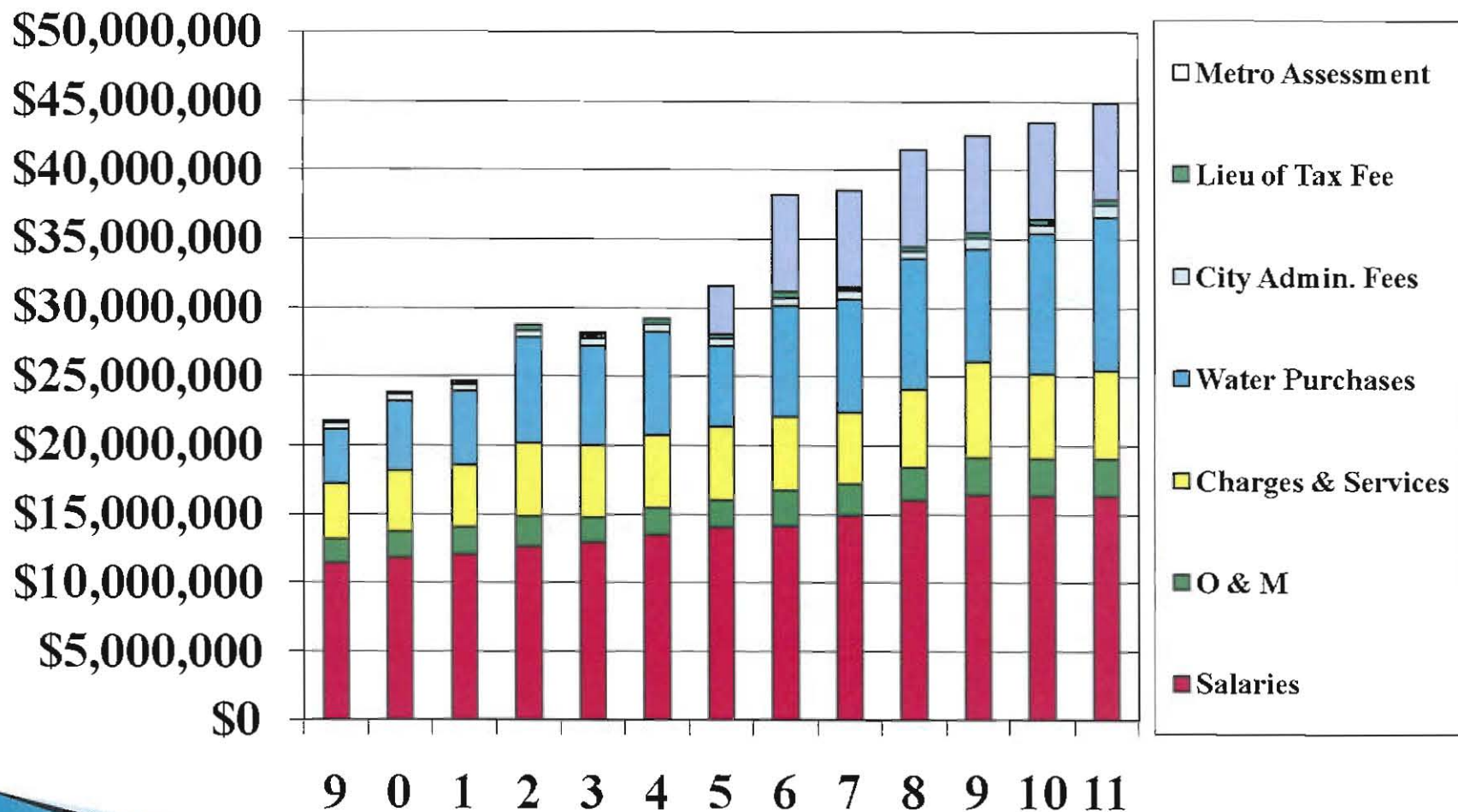
# MILLION GALLONS DELIVERED BY YEAR



# Public Utilities Operating Revenue

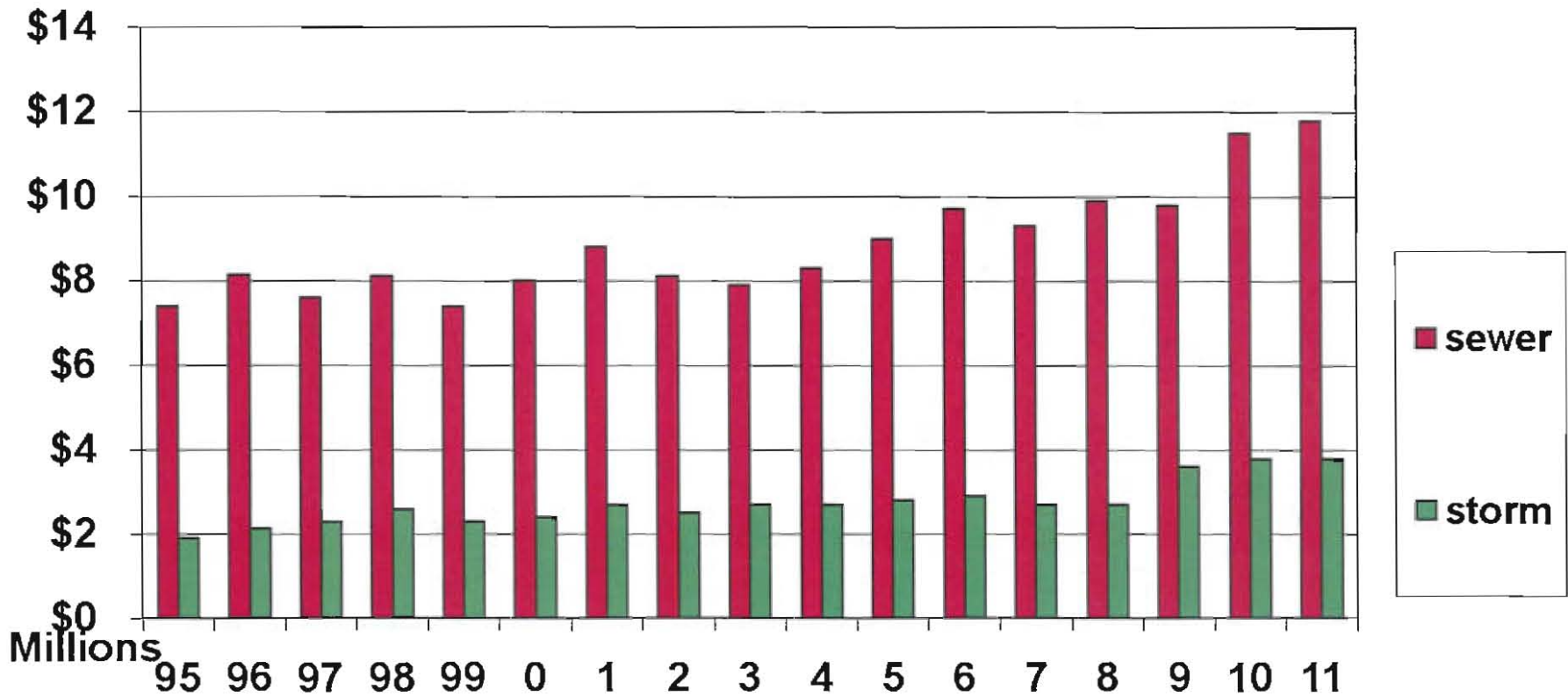


# WATER UTILITY OPERATING COSTS



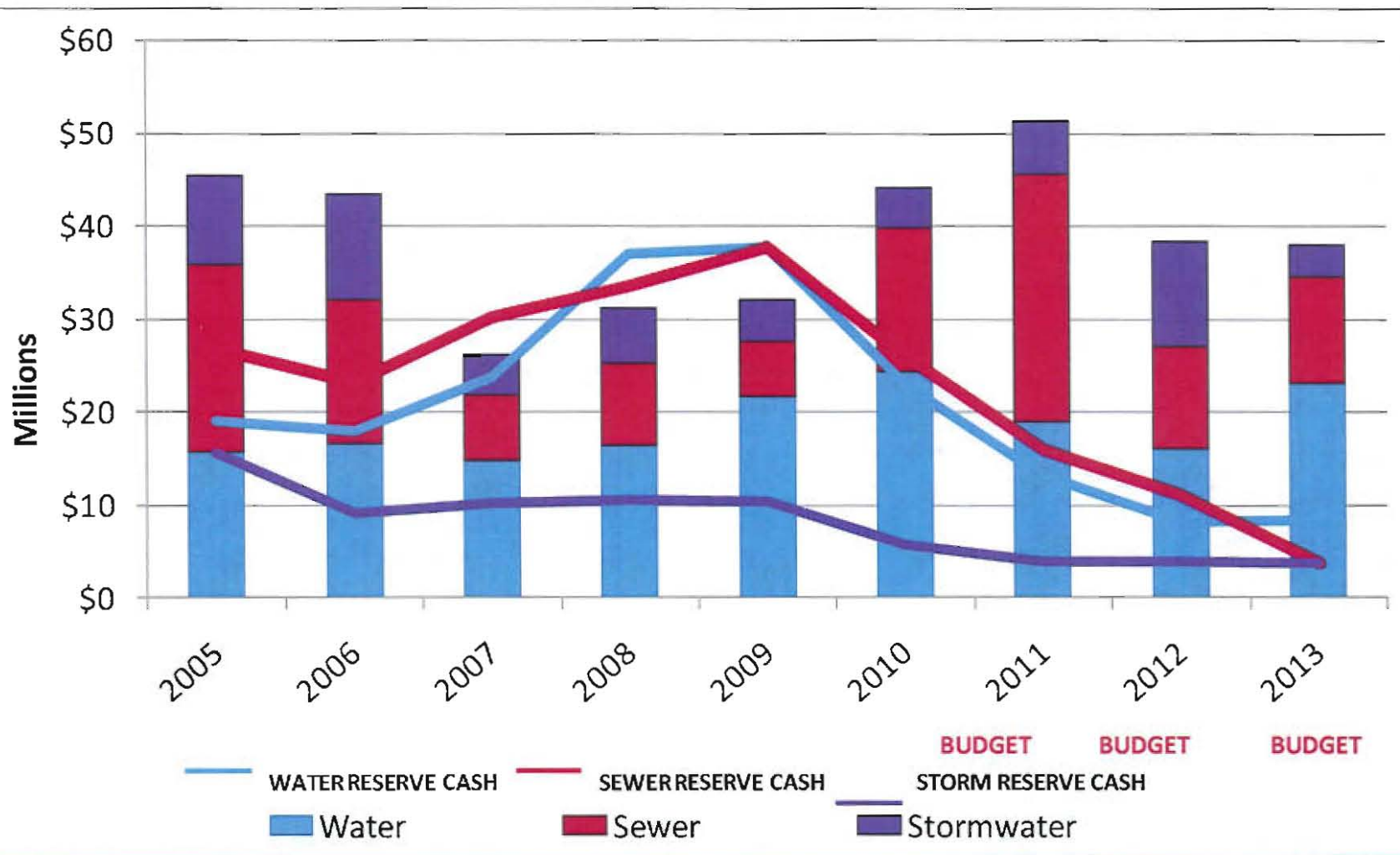
# Sewer & Stormwater Operating Costs

21



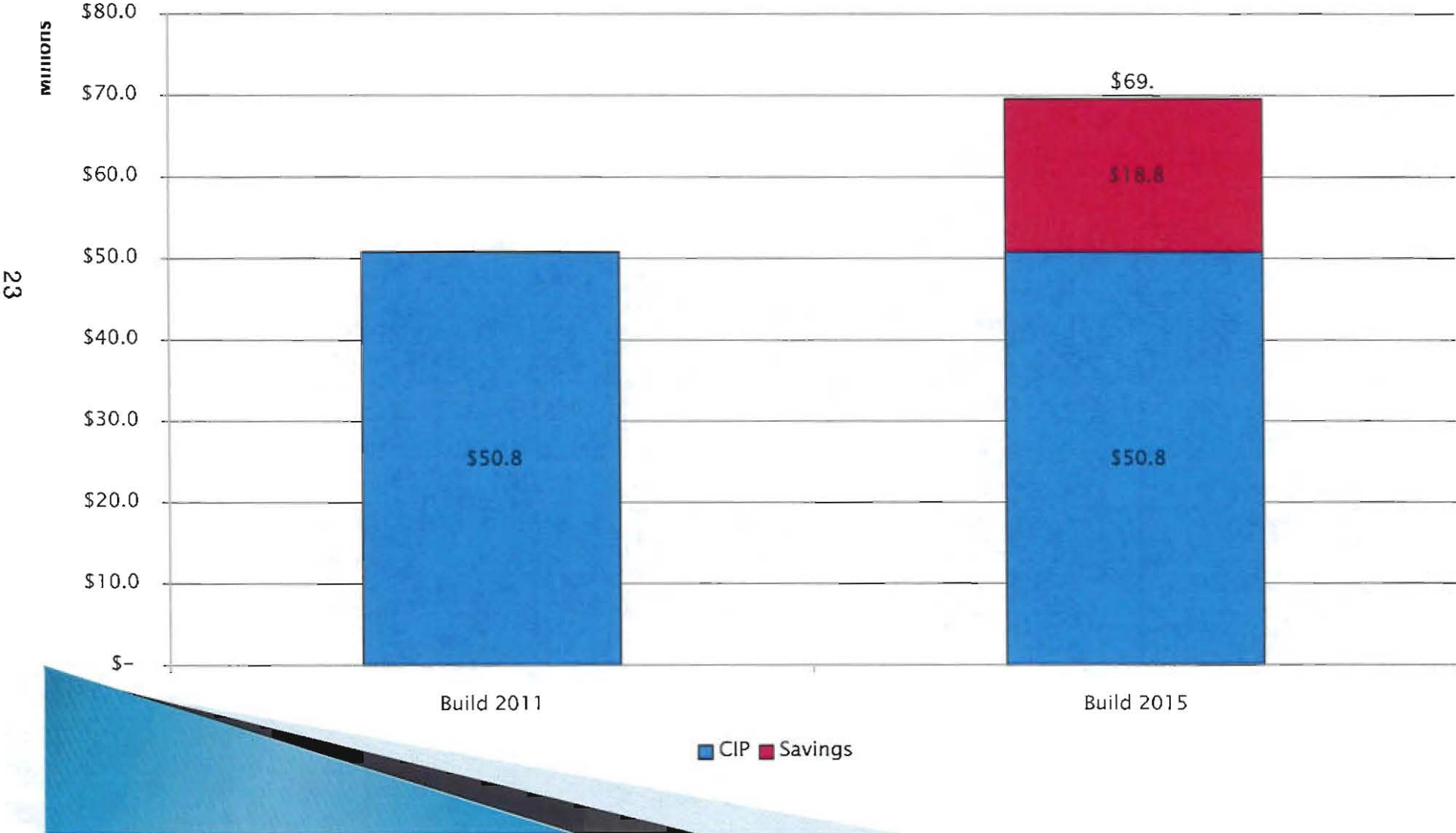


# PUBLIC UTILITIES CAPITAL IMPROVEMENT PROGRAM And Cash Reserve Balances for 2005-2013



# Savings Due to Accelerating Capital Improvement Program

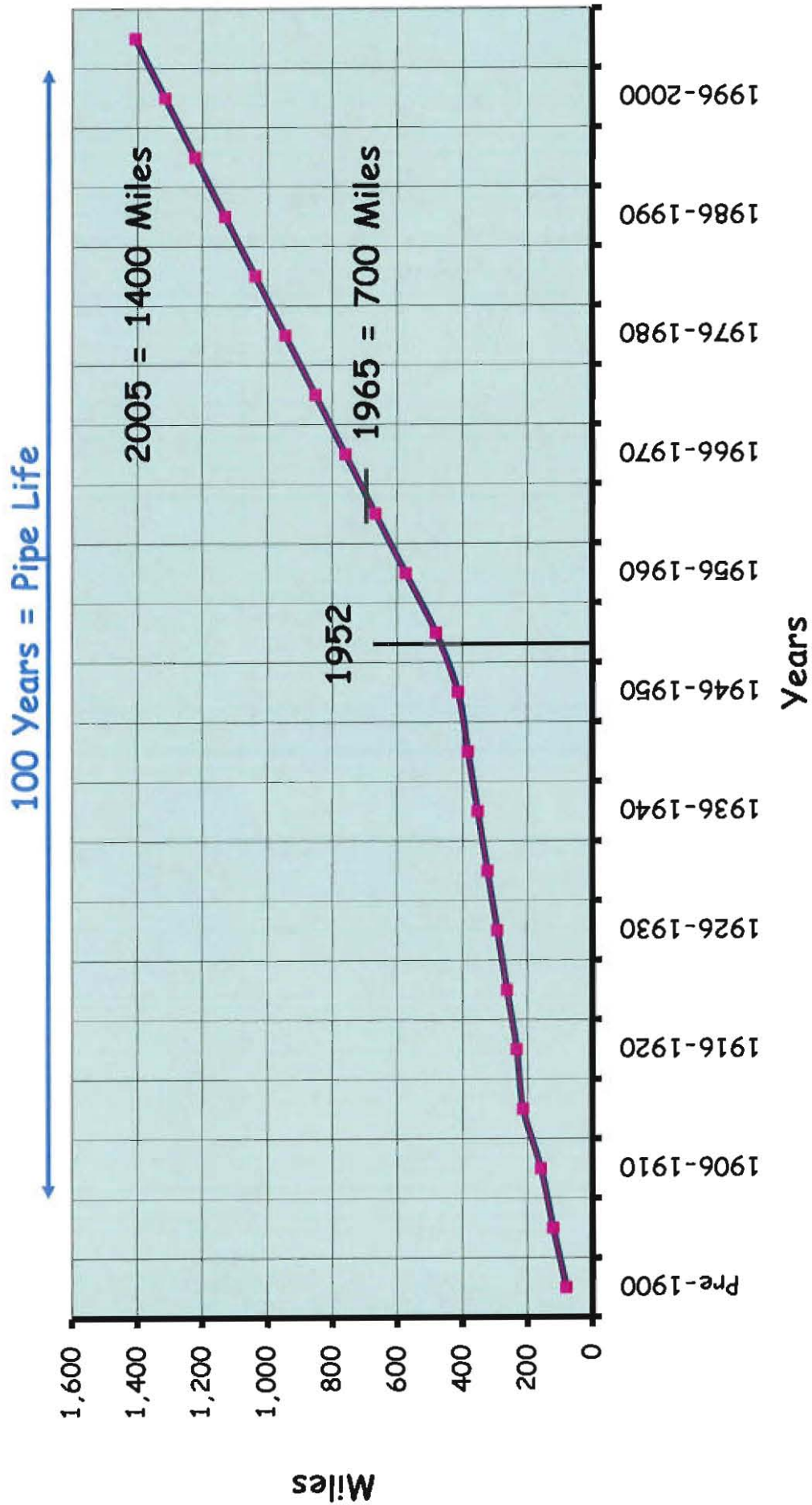
(Based upon favorable bid prices and bond rates)



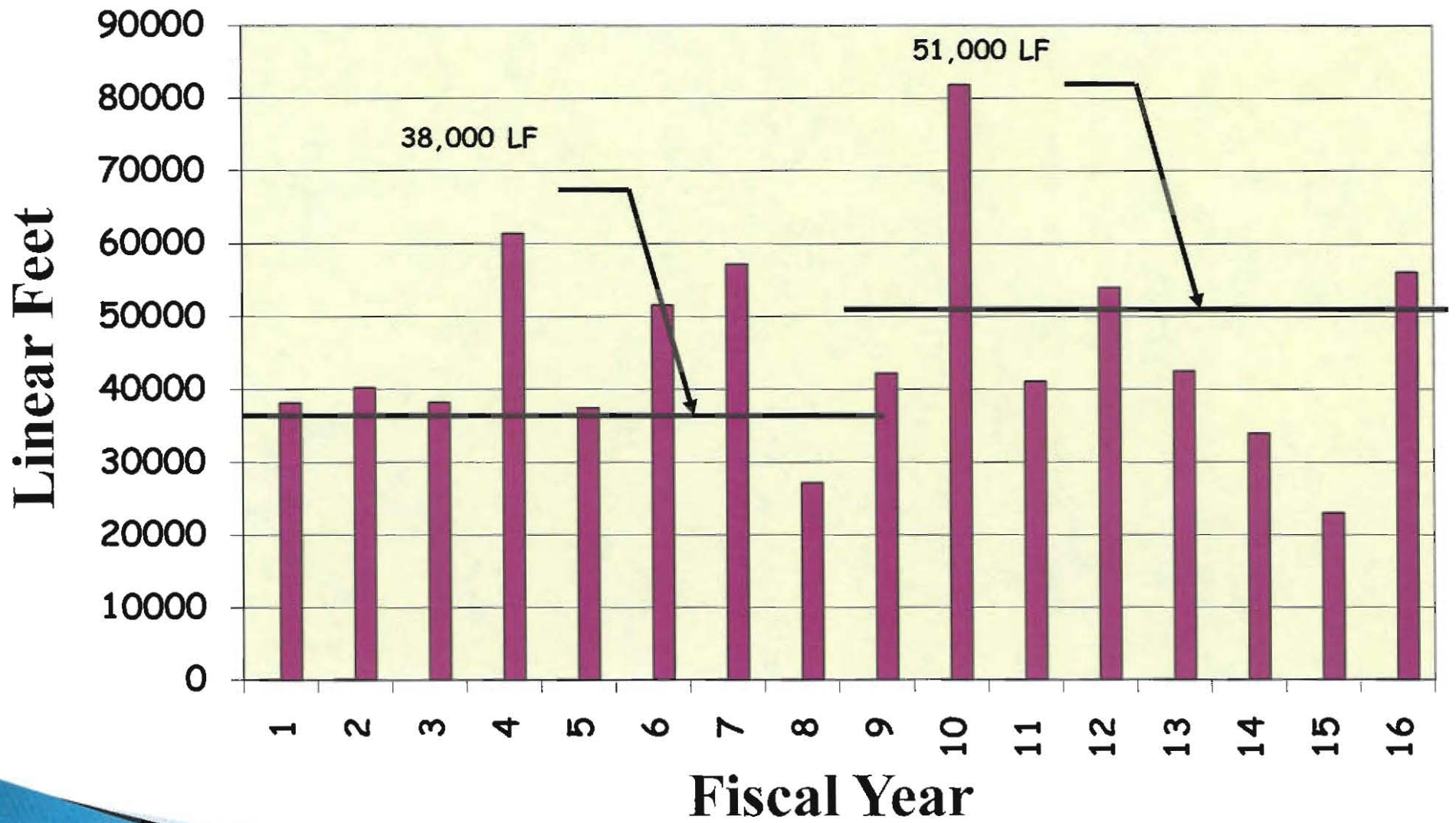
# Why is a 5% Water Rate Increase Needed

- 1. Expand our valve replacement program by \$1 million per year for the next five years.
- 2. To cover the cost of Metropolitan Rate Increase of 3% or \$945,000.
- 3. Maintain a strong cash balance greater than \$4 million over the next four years.
- 4. To continue a strong system replacement program by replacing over 34,000 feet of pipe each year.
- 5. Additional rate increases will be needed in the amount of 5% each year for the next four years.

# Cumulative Waterline Footage

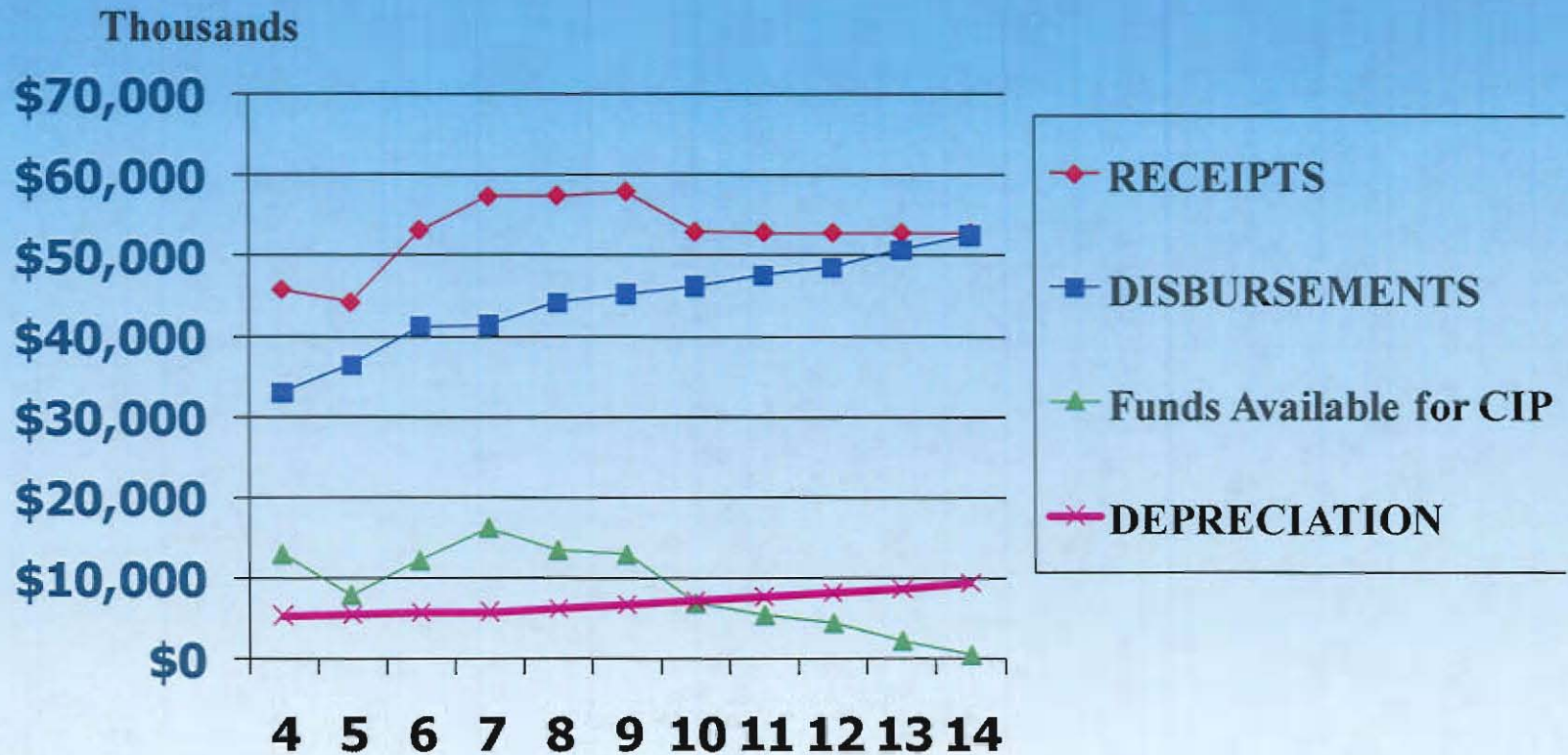


# WATER LINE REPLACEMENT PROGRAM



# WATER UTILITY

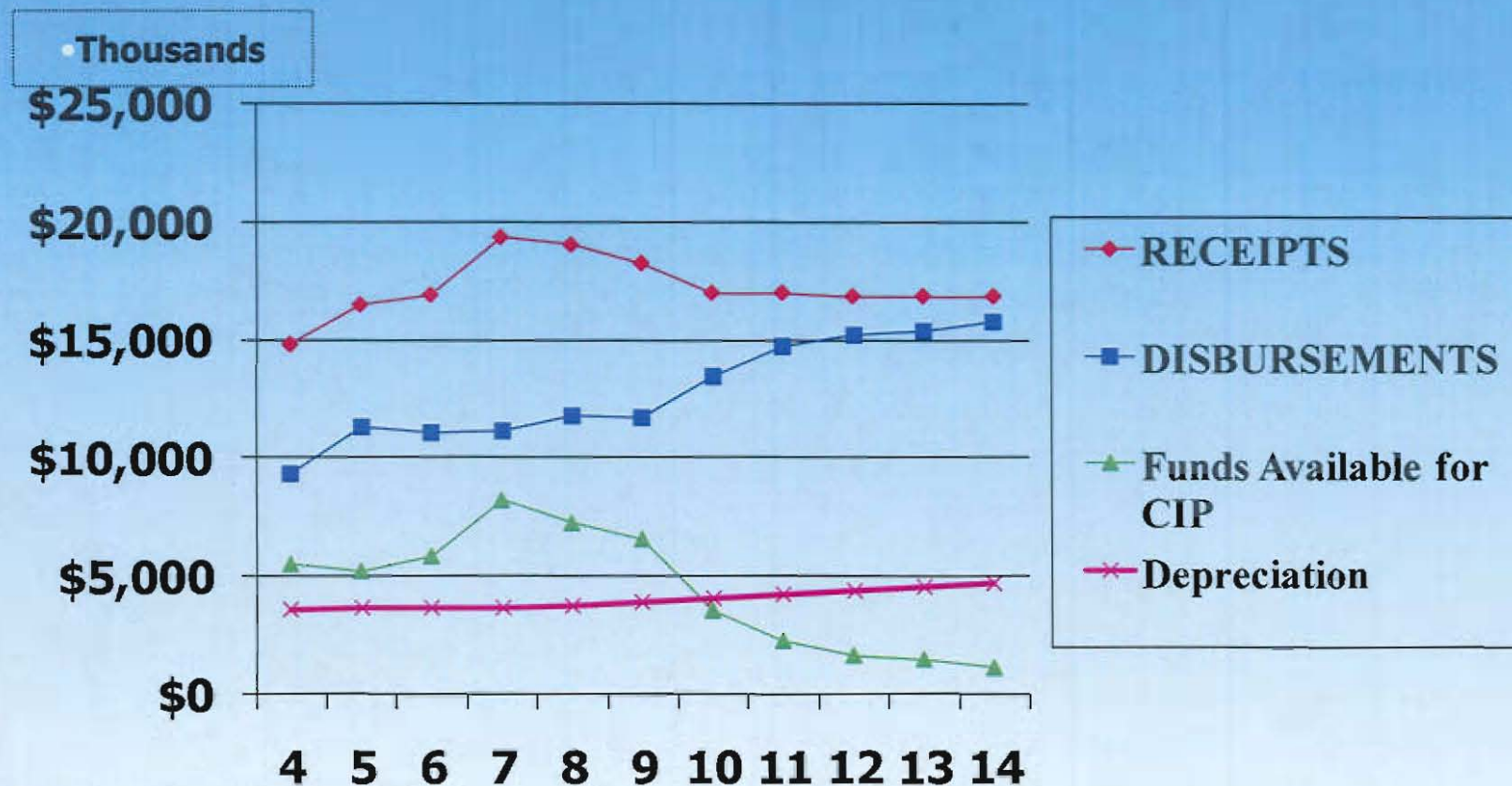
## AVAILABILITY OF FUNDS FOR CIP IMPROVEMENTS – No Rate Increase



# Why is a 4.5% Sewer Rate Increase Needed

- 1. Financing is needed to replace a major trunk line on Orange Street at a cost of \$10 million funded by a \$10 million revenue bond issue and related \$1 million annual debt service.
- 2. Additional funding is needed to maintain a strong debt service coverage due to the additional bond issues.
- 3. To cover the cost of inflation due to the fact that the last sewer rate increase was five years.
- 4. Future rate increases will be needed to finance future improvements at our existing Sewer treatment Plant at 4% per year for the next four years.

# SEWER UTILITY AVAILABILITY OF FUNDS FOR CIP IMPROVEMENTS – No Rate Increase



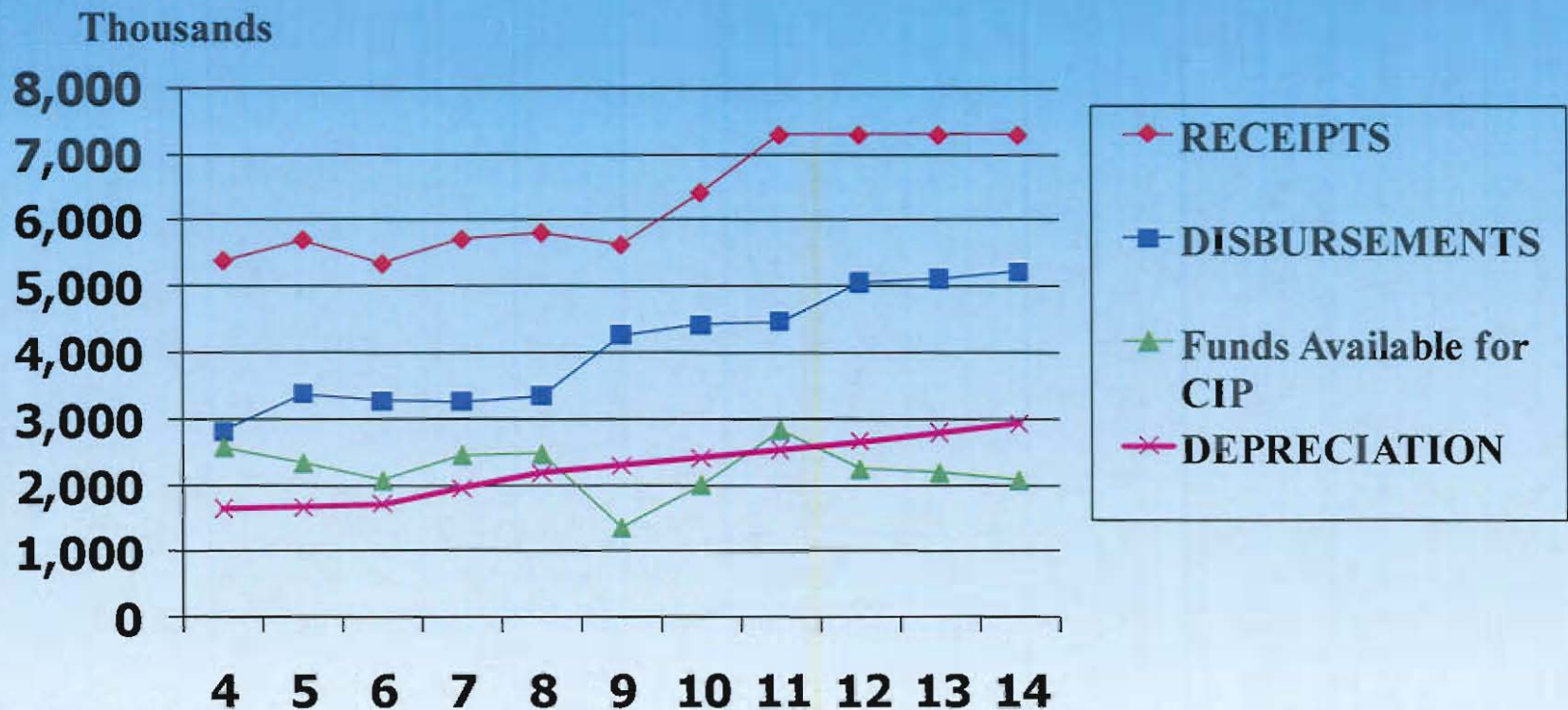


# Why is a 6% Stormwater Rate Increase Needed

- 1. Finance the design and construction of the Folsom storm water project funded by a \$8 million revenue bond.
- 2. The rate increase is needed to maintain cash reserves at a safe balance of \$3 million.
- 3. Future rate increases are currently not planned for the next five years.
- 4. The rate increase will only be the second in the last 20 years.
- 5. Maintain a strong system replacement program and funding for riparian corridor improvements.



# STORMWATER UTILITY AVAILABILITY OF FUNDS FOR CIP IMPROVEMENTS – No Rate Increase



# Effect of Rate Increases on the General Fund

Water Rate Increase	\$ -121,955
Sewer Rate Increase	\$ - 4,495
Stormwater Rate Increase	\$ - 4,241
Franchise Fee on Stormwater	\$ - 4,567
Additional Franchise fee collected	\$ 147,150
Franchise fee on Stormwater	<u>\$ 450,000</u>
Total Additional Revenue	\$ 461,852

# Effect of No Rate Increases

Projects Delayed	Project Cost
Water - Valve Replacement Program	\$ 1,000,000
Water - Olympus Cove Secondary Source	\$ 1,000,000
Water - Irrigation Culverts	\$ 500,000
Sewer - Replace Gladiola Sewer Line	\$ 1,000,000
Sewer - New Secondary Digester	\$ 2,000,000
Stormwater - Red Butte Culvert 1500 East	\$ 200,000
Stormwater - Red Butte Culvert 1300 E and 1000 South	\$ 250,000

# Capital Improvement Program

## Capital Projects

# Baskin Reservoir Roof Corrosion & Rehabilitation

Severe corrosion of existing steel.  
Did not meet current seismic and  
snow load standards

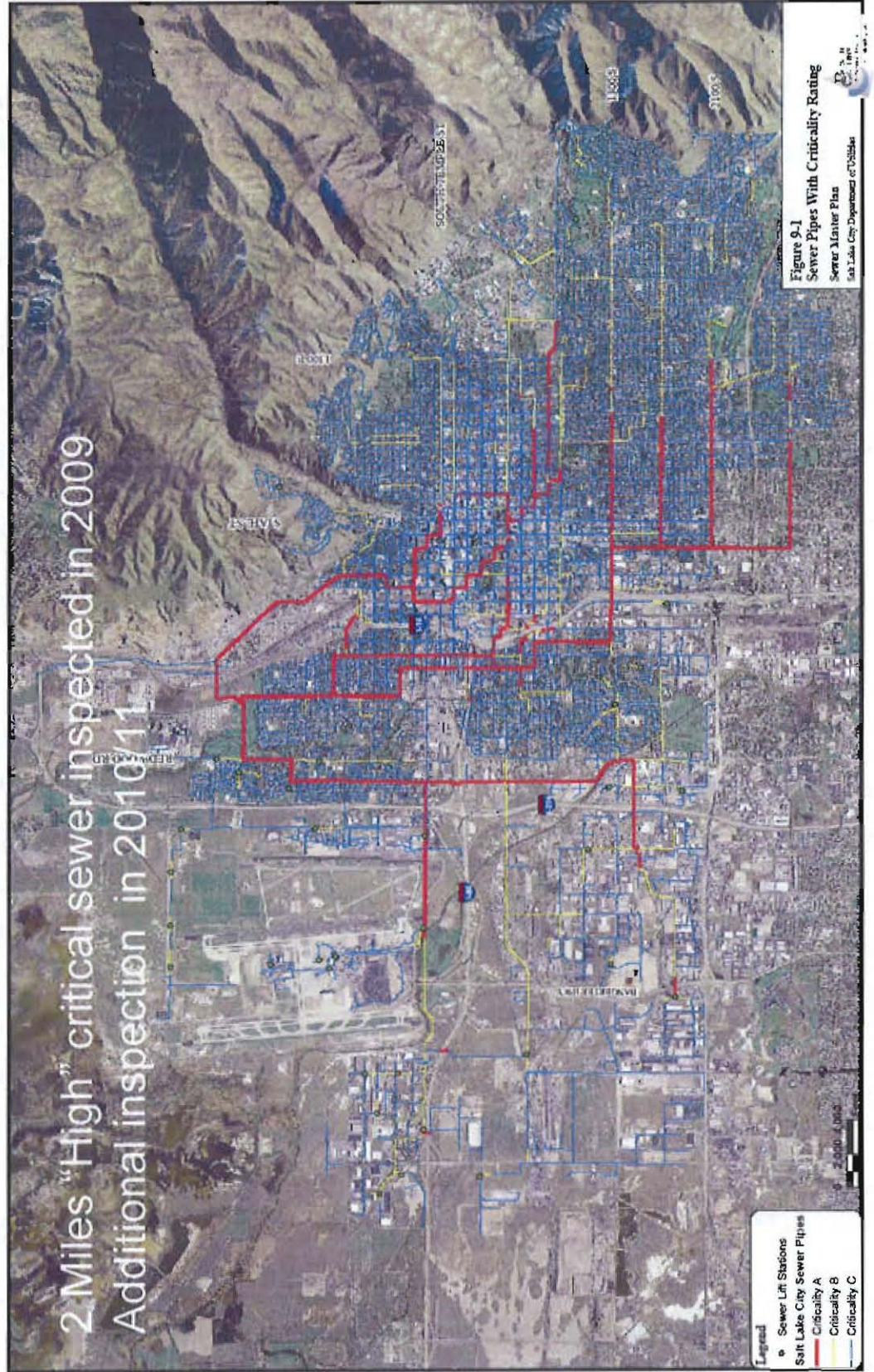


Roof replaced to current seismic  
standards

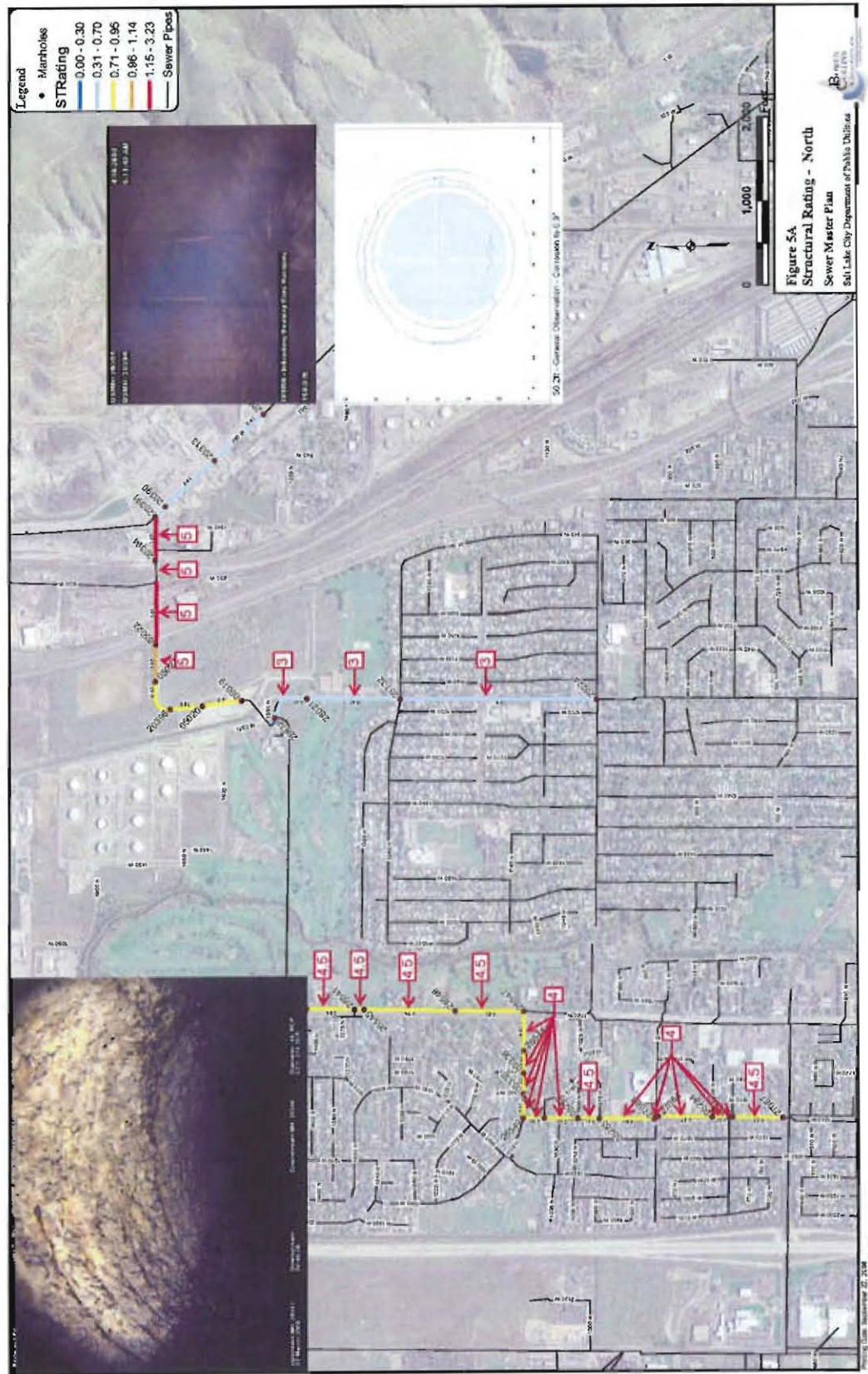


# Condition Assessment Sewer System Asset Management Program

2 Miles "High" critical sewer inspected in 2009  
Additional inspection in 2010/11



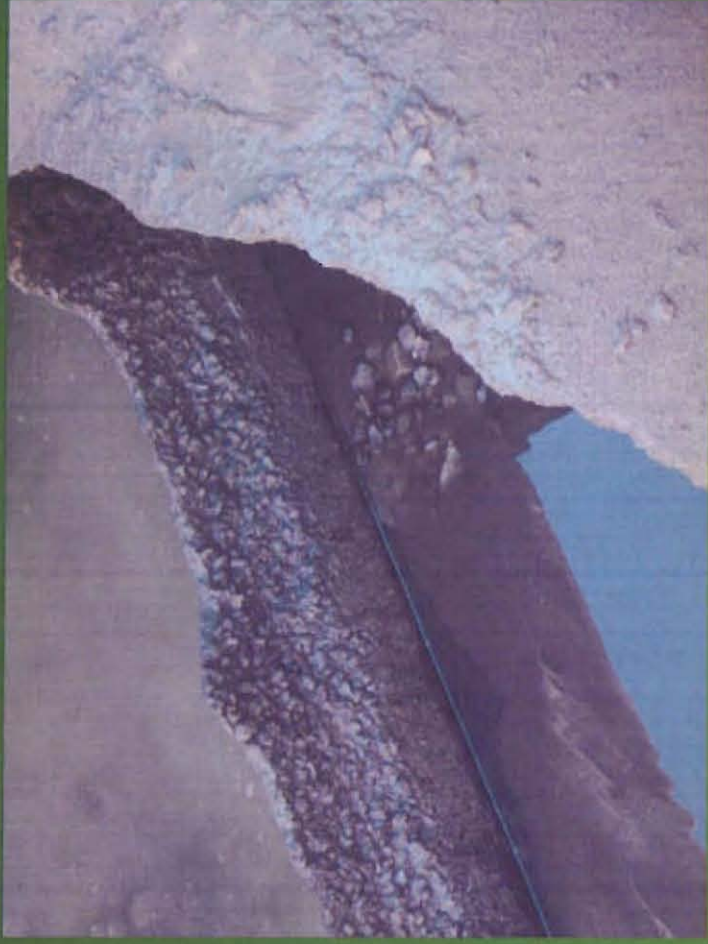
# Condition Assessment 1800 North & Orange St. Sewer



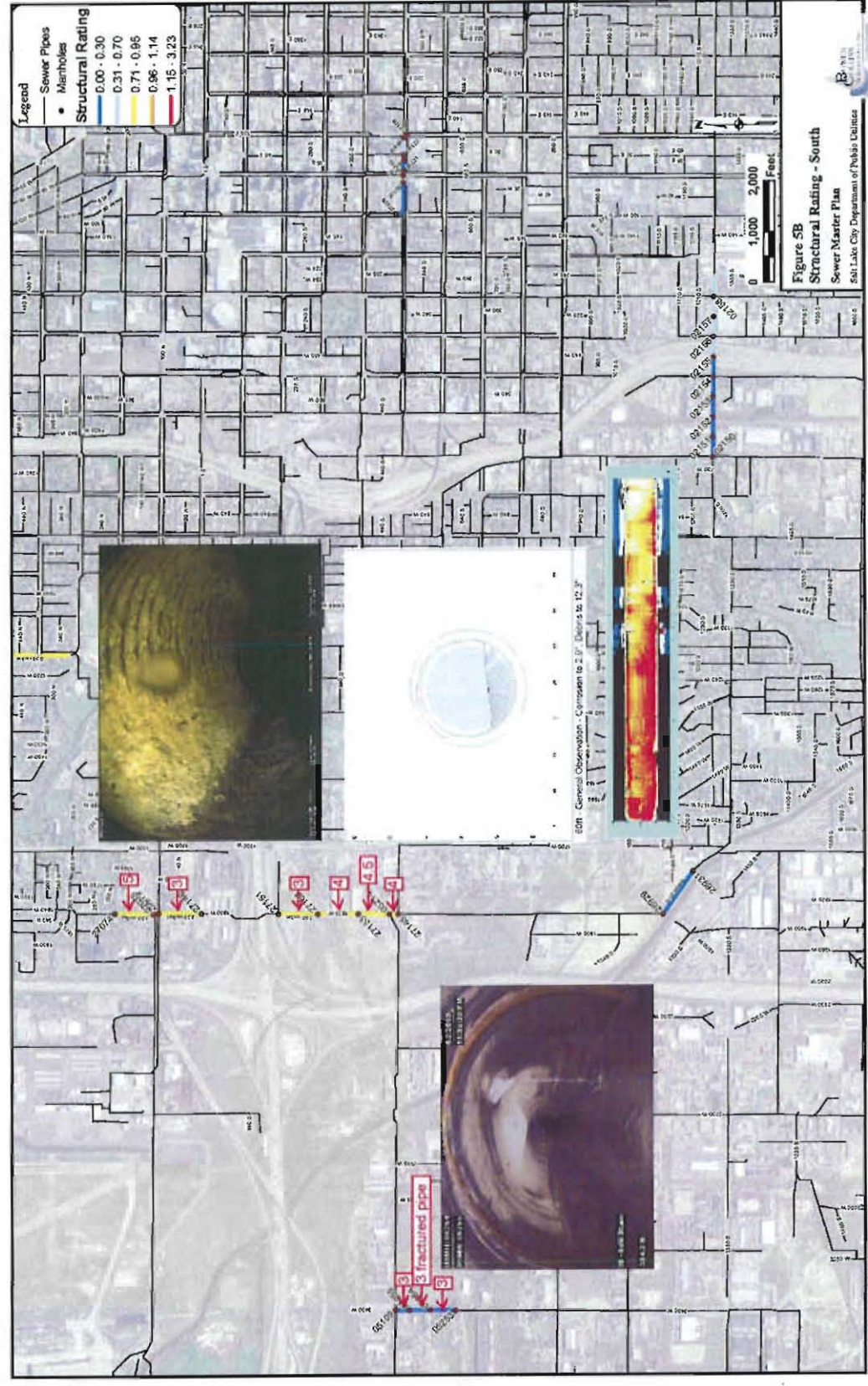


# 48" Orange Street Sewer Pipe Failure

- Failure at influent pump station near Rose Park GC Fall 2008. \$100k for 10 ft of 48" emergency pipe repair
- Failure at N. Temple Street July 2009. \$200k for 20 ft emergency repair
- Quick action by City crews prevented backup into private property/homes.



# Condition Assessment Orange Street & Gladiola Sewer



# Water Reclamation Plant



# Digester Rehabilitation Project Cover & Wall Replacement



- \$5.6M Digester cover replacement
  - Improve methane energy recovery
  - Reduce greenhouse gas emissions
- 1967 tank “underskin” concrete corrosion
  - \$2-4M to replace 3 tanks due to wall corrosion





# Storm Water Capital Improvement Program

# Riparian Study Projects

## 2009 Emigration Creek Culvert At 1500 East

Culvert repair project includes  
upstream bank stabilization and  
vegetation

## 2010 Projects

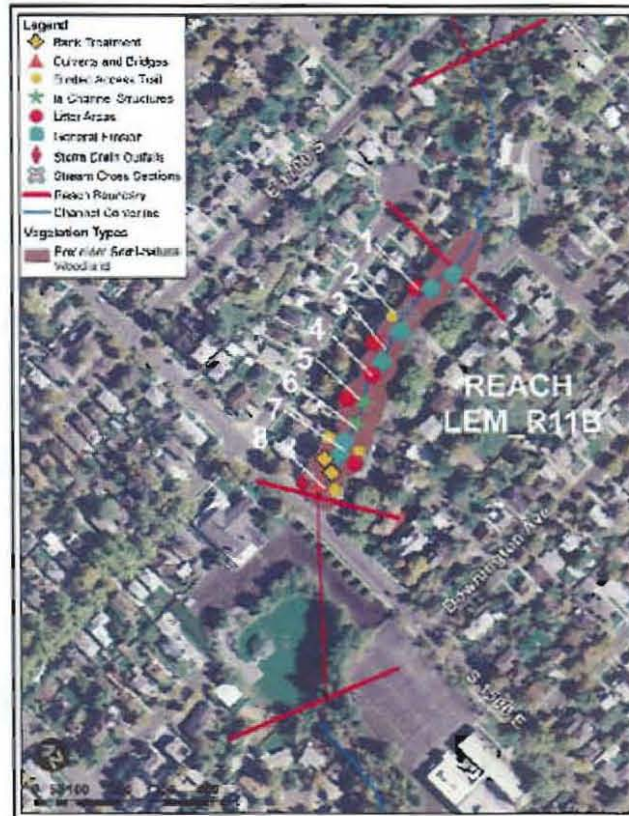
Red Butte at 1300 East  
Red Butte at 1500 East

B-40



### REACH LEM 11B: ABOVE 1500 EAST

The channel in this reach appears incised and possibly straightened/channelized, with a narrow canal-like shape. The stream is tightly confined between residential homes on the north and Elaine Avenue to the south. The culvert inlet at the bottom of the reach dlogs periodically. A metal grate-style trash rack spans the channel in the middle of the reach, and captured debris and sediment are regularly dredged from the channel in this location. Trash is prevalent in the reach.



#### Issues affecting riparian function:

- storm outfall erosion
- bed incision
- low bank/root zone erosion
- failing bank revetment
- low bank/root zone erosion
- terrace erosion
- eroded access trails
- lack of shrub cover
- invasive species (Siberian elm)
- trash

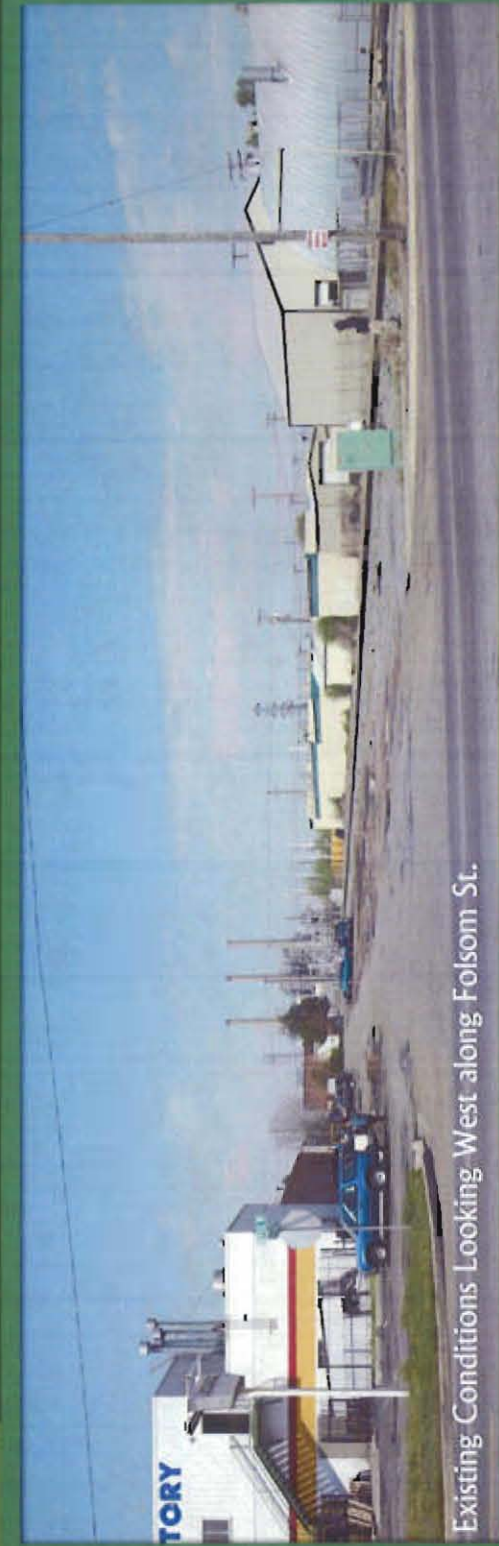
#### Constraints/opportunities:

- publicly owned on south bank
- relatively good access from the south bank
- tightly confined by infrastructure

# Culvert Rehabilitation



# Folsom Flood Control & Parkway Project



Existing Conditions Looking West along Folsom St.

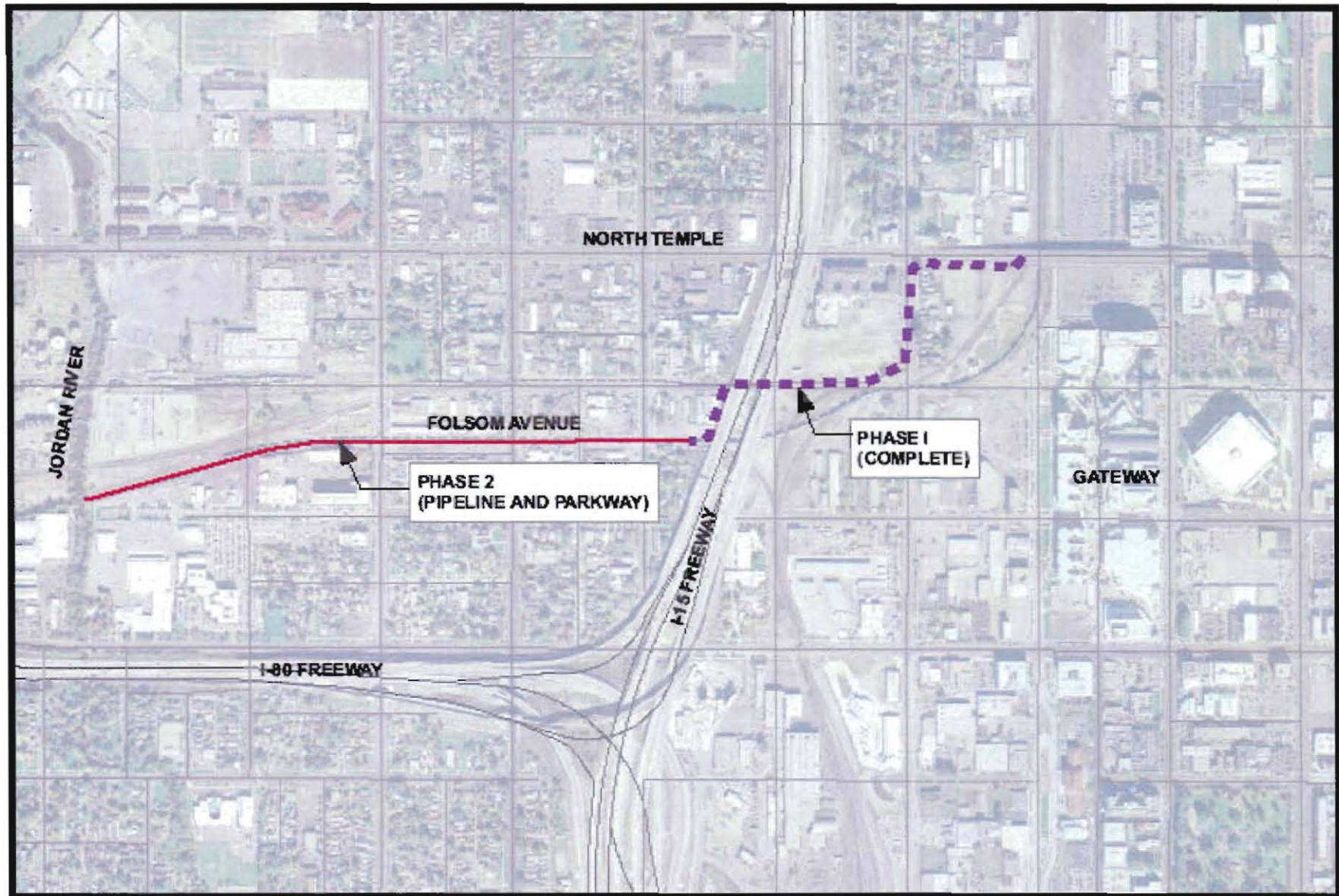


Photosimulation Looking West along Folsom St.

Euclid Area Master Plan



# City Creek Flood Control and Folsom Parkway Project



# Proposed Water Rate Increase

Block	Current	Option 1	Option 2
Service Fee	\$7.44	\$7.79	\$7.79
% increase		4.7%	4.7%
Increase amount		\$0.35	\$0.35
Block 1 ( 1 to 10 ccf)	\$0.88	\$0.93	\$0.93
% increase		5.6%	5.6%
Increase amount		\$0.05	\$0.05
Block	\$1.35	\$1.43	\$1.43
% increase		5.9%	5.9%
Increase amount		\$0.08	\$0.08
Block 3	\$1.88	\$1.98	\$1.98
% increase		5.3%	5.3%
Increase amount		\$0.10	\$0.10
Block 4	-----	----	\$2.08
% increase			10.6%
Increase amount			\$0.20

# Comparison of Existing and Proposed Structure Alternatives

Residential				
	City		County	
Description	Current <sup>(a,b)</sup>	Proposed <sup>(a,b)</sup>	Current <sup>(a,b)</sup>	Proposed <sup>(a,b)</sup>
<i>Winter Period</i>				
Nov. – March	\$0.88	\$0.93	\$1.19	\$1.26
<i>Summer Period</i>				
April – October				
Block 1 – 1 - 10 ccf	\$0.88	\$0.93	\$1.19	\$1.26
Block 2 11 – 30 ccf	1.35	1.43	1.83	1.93
Block 3 31 - 70 ccf	1.88	1.98	2.54	2.67
Block 4 > 70 ccf	(b)	2.08	(b)	2.80
<p>(a) County rates are 1.35 times City</p> <p>(b) Single family residential tier 1: 0 to 10 ccf</p> <p>Duplex tier 1: 0 to 12 ccf</p>				

# Comparison of Existing and Proposed City Monthly Base Fee

Meter Size	City		County	
	Existing <sup>(a, b)</sup>	Proposed <sup>(a,b)</sup>	Existing <sup>(a,b)</sup>	Proposed <sup>(a,b)</sup>
<i>inches</i>				
<b>¾ &amp; 1</b>	<b>\$7.44</b>	<b>\$7.79</b>	<b>\$9.87</b>	<b>\$10.34</b>
<b>1 ½</b>	<b>8.87</b>	<b>9.29</b>	<b>11.80</b>	<b>12.36</b>
<b>2</b>	<b>9.67</b>	<b>10.13</b>	<b>12.88</b>	<b>13.50</b>
<b>3</b>	<b>16.54</b>	<b>17.34</b>	<b>22.15</b>	<b>23.24</b>
<b>4</b>	<b>17.74</b>	<b>18.60</b>	<b>23.77</b>	<b>24.94</b>
<b>6</b>	<b>25.81</b>	<b>27.08</b>	<b>34.67</b>	<b>36.38</b>
<b>8</b>	<b>46.77</b>	<b>49.08</b>	<b>62.96</b>	<b>66.09</b>
<b>10</b>	<b>87.11</b>	<b>91.44</b>	<b>117.42</b>	<b>123.27</b>
<p><i>(a) Includes water purchases fee</i>  <i>(b) Base fee by meter size varies based on meter replacement cost ratios to a ¾" meter</i></p>				

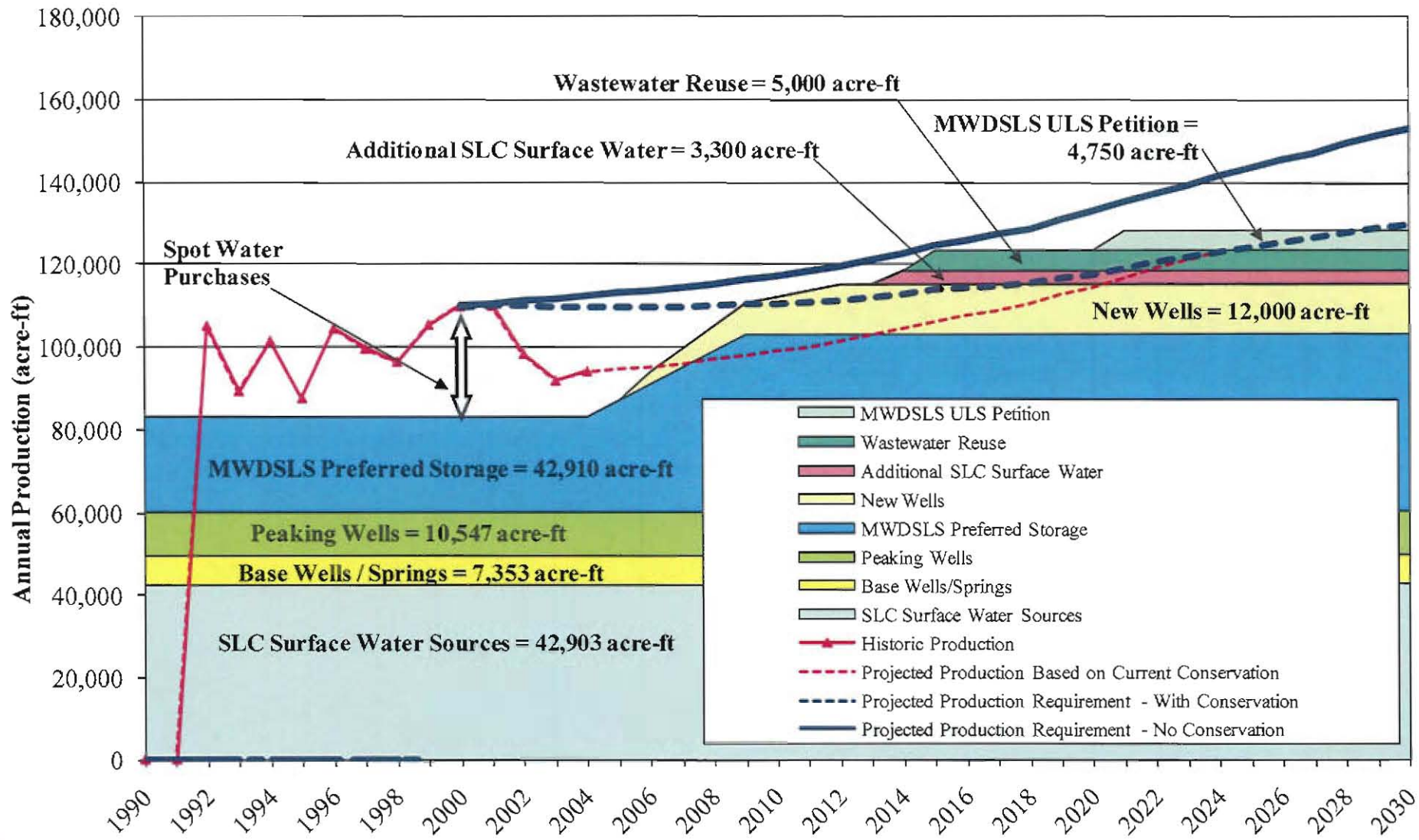
## Annual Impact on City Selected Residential Customers

ACCOUNT TYPE	UNITS OF WATER (CCF)	CURRENT RATES	3 TIER RATES 5% INCREASE	4 TIER RATES 5% INCREASE
SMALL RESIDENTIAL	36	\$120.96	\$126.96 4.96% increase	\$126.96 4.96% increase
AVERAGE RESIDENTIAL	203	\$318.40	\$331.17 4.01% increase	\$331.17 4.01% increase
HIGH USE RESIDENT	1602	\$2,887.09	\$3,034.46 5.10% increase	\$3,148.19 9.04% increase
EXTREME USE RESIDENT	3248	\$5,939.68	\$6,248.99 5.21% increase	\$6,521.12 9.79% increase
1 <sup>st</sup> – 2284 East	126	\$220.84	\$230.16 4.22% increase	\$230.16 4.22% increase
2 <sup>nd</sup> – 24 North	141	\$242.74	\$252.21 3.90% increase	\$252.21 3.90% increase
3 <sup>rd</sup> – 1951 East	343	\$569.47	\$594.87 4.31% increase	\$594.87 4.46% increase

# Annual Impact on City Commercial/Industrial Customers

ACCOUNT TYPE	UNITS OF WATER (CCF)	CURRENT RATES	3 TIER RATES 5% INCREASE	4 TIER RATES 5% INCREASE
Apartment Complex	12,686	\$17,032.06	\$17,987.37 5.42% increase	\$17,987.37 5.42% increase
Dairy	94,521	\$87,016.07	\$91,972.31 5.70% increase	\$91,972.31 5.70% increase
Manufacturing	96,476	\$98,389.75	\$104,070.14 5.77% increase	\$104,070.14 5.77% increase
Commercial	16,350	\$25,815.63	\$27,228.08 5.47% increase	\$27,643.08 7.08% increase

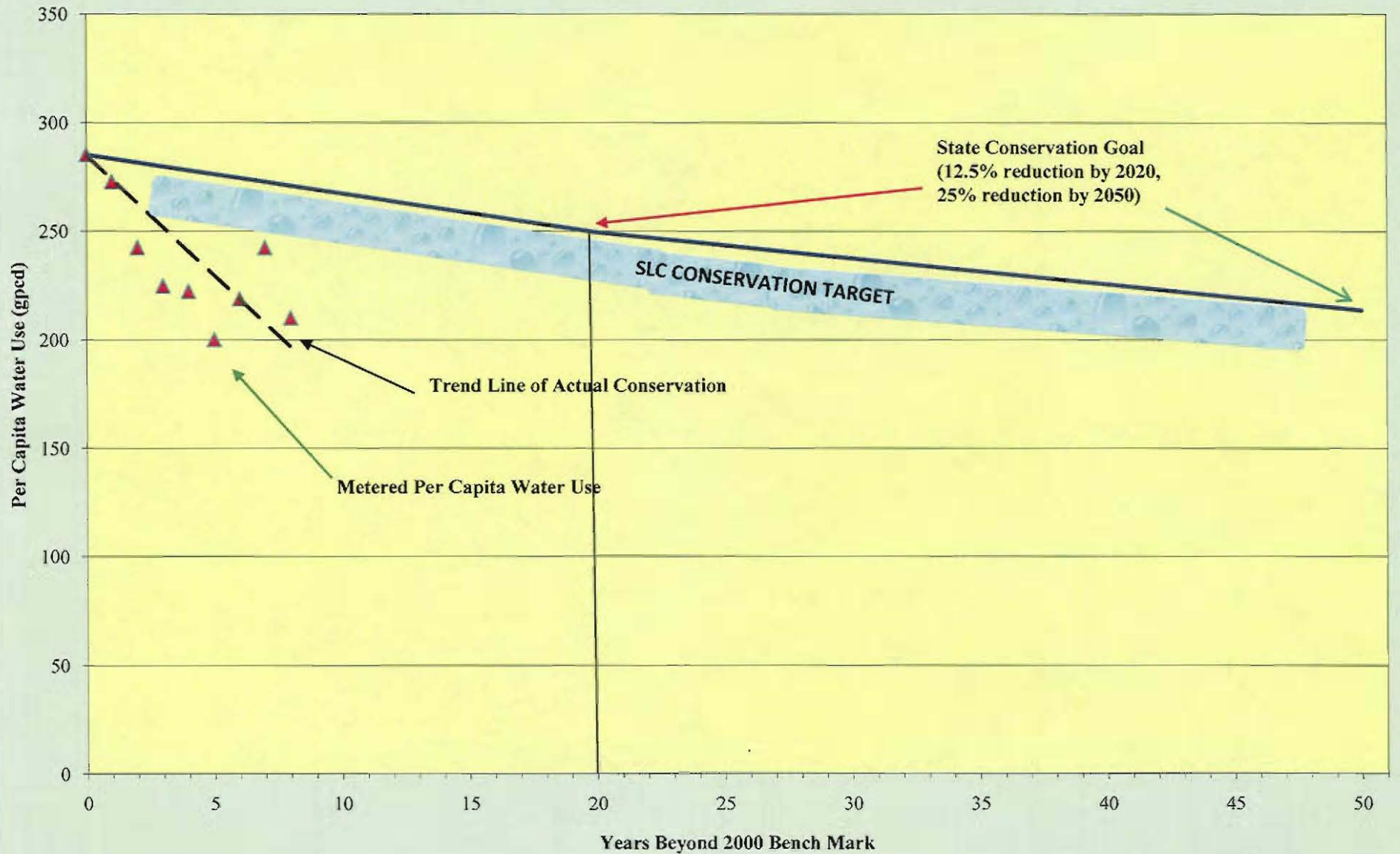
### Projected Salt Lake City Production Requirements vs. Supply (Dry Year)



\*Volum... given are for 2030 projected supply.

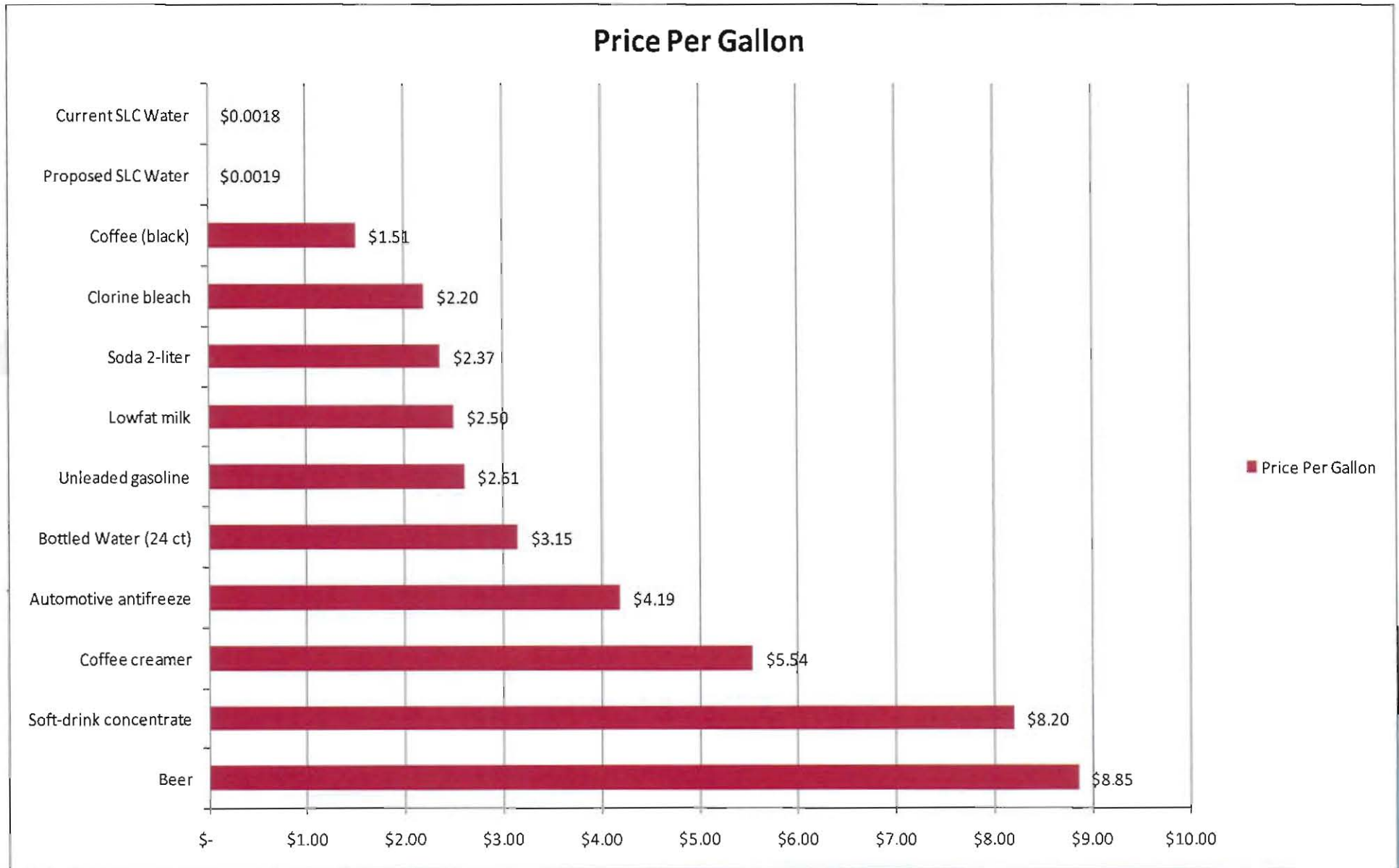
# Salt Lake City Conservation Trend

Documentation of Conservation Performance





# Comparison of Water Rates with the Price of Various Other Liquids Purchased by Water Customers



## Sewer Rate Increase Annual Impact on City Selected Customers

ACCOUNT TYPE	Average Winter Water Usage (CCF)	CURRENT RATES \$1.32 ccf	Proposed 4.5% RATE INCREASE \$1.38 ccf	ANNUAL Difference \$0.06 ccf
SMALL RESIDENTIAL	4	\$63.36	\$66.24	\$2.88 4.5% increase
AVERAGE RESIDENTIAL	8	\$126.72	\$132.48	\$5.76 4.5% increase
Dairy 7,6	Based on BOD and TSS	\$192,277	\$200,929	\$8,652 4.5% increase
Industrial 2,4	Based on BOD and TSS	\$54,101	\$56,535	\$2,434 4.5% increase
Commercial 2,1	Based on BOD and TSS	\$633.60	\$662.11	\$28.51 4.5% increase
2 <sup>nd</sup> – 24 North	5	\$79.20	\$82.80	\$3.60 4.5% increase
3 <sup>rd</sup> – 1951 East	10	\$158.40	\$165.60	\$7.20 4.5% increase

## Storm Water Rate Increase Annual Impact on Selected Residential Customers

ACCOUNT TYPE	Equivalent Residential UNITS	CURRENT RATES \$4.00 per ERU	Proposed Rate Increase \$4.24 per ERU	Annual Difference \$0.24 per ERU
SMALL RESIDENTIAL	1	\$ 48.00	\$ 50.88	\$2.88 6% increase
AVERAGE RESIDENTIAL	1	\$ 48.00	\$50.88	\$2.88 6% increase
Large RESIDENT	1.4	\$ 67.28	\$ 71.23	\$3.95 6% increase
Dairy	152	\$ 7,296	\$ 7,734	\$438.00 6% increase
Commercial	21	\$ 1,008	\$ 1,068	\$ 60.00 6% increase
2 <sup>nd</sup> - 24 North	1	\$ 48.00	\$ 50.88	\$2.88 6% increase
3 <sup>rd</sup> - 1951 East	1	\$ 48.00	\$ 50.88	\$2.88 6% increase

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

DESCRIPTION OF SERVICES	2009 ACTUALS WATER	2009 ACTUALS SEWER	2009 ACTUALS STORM	ACTUAL Public Utilities 2009 TOTALS	FY 2009/2010 BUDGET	FY PROPOSED 2010/2011 BUDGET
<b>Administrative Service Fees (General Fund)</b>						
Human Resources	\$ 152,388	\$ 39,361	\$ 21,157	\$ 212,906	\$ 205,031	\$ 293,430
City Attorney	131,565	10,193	11,379	153,137	147,473	211,056
Accounting/Finance	90,808	31,017	6,392	128,217	123,474	176,711
Purchasing & Contracts	83,036	17,527	3,460	104,023	100,175	143,366
City Recorders	42,399	3,736	1,245	47,380	45,627	65,300
Property Management	65,350	1,448	226	67,024	64,545	92,373
Budget and Policy	27,372	10,694	2,890	40,956	39,441	56,446
Non-discretionary IMS Costs	22,213	7,264	3,344	32,821	31,607	45,234
Treasurer's Office (cash mgt.)	12,502	8,211	402	21,115	20,334	29,101
City Council	7,658	957	718	9,333	8,988	12,863
Mayor	14,106	8,228	11,990	34,324	33,054	47,306
Community Affairs	2,520	1,235	1,697	5,452	5,250	7,514
<b>Total Admin Fees</b>	<b>\$ 651,917</b>	<b>\$ 139,871</b>	<b>\$ 64,900</b>	<b>\$ 856,688</b>	<b>\$ 825,000</b>	<b>\$ 1,180,700</b>
<b>Tax or Fee Authorized</b>						
Payment in Lieu-of-Taxes (General Fund)	370,319	368,706	114,425	853,450	855,000	798,000
Franchise Fees (General Fund)	2,281,290	931,456	-	3,212,746	2,959,575	3,097,060
Franchise Fee on Stormwater (General Fund)	-	-	-	-	-	450,000
<b>Sub Total</b>	<b>2,651,609</b>	<b>1,300,162</b>	<b>114,425</b>	<b>4,066,196</b>	<b>3,814,575</b>	<b>4,345,060</b>
<b>Internal Service Fund Services</b>						
Fleet Mgt. Services	1,026,624	387,297	220,745	1,634,666	1,616,000	1,626,000
City Data Processing (IMS)	457,776	190,350	162,150	810,276	877,400	941,900
Risk Mgt. Administrative Fees (Gov. Immunity)	154,719	12,147	4	166,870	30,200	235,700
Risk Management Premiums & Charges	771,941	91,706	27,020	890,667	805,000	827,500
<b>Sub Total</b>	<b>2,411,060</b>	<b>681,500</b>	<b>409,919</b>	<b>3,502,479</b>	<b>3,328,600</b>	<b>3,631,100</b>
<b>Special Associated Charges (indirect benefit)</b>						
IFAS Maintenance (online financial system)	27,609	21,406	1,352	50,367	70,873	93,364
Street Sweeping (leaf bags and sweeping)	-	-	236,000	236,000	240,000	240,000
Street Sweeping (cost of 3 sweepers)	-	-	175,371	175,371	175,371	175,371
Leaf Bags (General Fund)	-	-	26,938	26,938	34,890	34,890
Trails Coordinator (1st payment 2009) New	37,500	-	-	37,500	37,500	37,500
<b>Sub Total</b>	<b>37,500</b>	<b>-</b>	<b>438,309</b>	<b>475,809</b>	<b>558,634</b>	<b>581,125</b>
<b>TOTAL FEES, TAXES AND CHARGES</b>	<b>\$ 5,752,086</b>	<b>\$ 2,121,533</b>	<b>\$ 1,027,553</b>	<b>\$ 8,901,172</b>	<b>\$ 8,526,809</b>	<b>\$ 9,737,985</b>

**GROUP A SYSTEMS WATER RATE COMPARISON  
FROM 2008 RAFTELIS FINANCIAL CONSULTING GROUP  
WATER RATE SURVEY**

SYSTEM	RATE *
SEATTLE, WA - MAY TO SEP	\$ 109.90
ATLANTA, GA	\$ 103.11
AUSTIN, TX - JUL TO OCT	\$ 98.98
SAN FRANCISCO, CA	\$ 92.30
AUSTIN, TX - NOV TO JUN	\$ 90.02
SEATTLE, WA - OCT TO APR	\$ 88.00
LAUREL, MD	\$ 85.54
BIRMINGHAM, AL	\$ 84.96
LOS ANGELES, CA	\$ 81.66
EL PASO, TX	\$ 77.60
TUCSON, AZ	\$ 73.67
SAN ANTONIO, TX	\$ 70.83
SCOTTSDALE, AZ	\$ 68.30
PORTLAND, OR	\$ 68.27
KANSAS CITY, MO	\$ 67.52
HONOLULU, HI	\$ 67.08
CLEVELAND, OH	\$ 66.49
FORT WORTH, TX	\$ 66.30
MIAMI, FL	\$ 66.23
PHILADELPHIA, PA	\$ 65.97
LOUISVILLE, KY	\$ 62.69
PHOENIX, AZ - JUN TO SEP	\$ 62.14
DENVER, CO - MAY TO NOV	\$ 59.25
GROUP B SYSTEMS AVERAGE	\$ 57.70
ALBUQUERQUE, NM	\$ 54.21
CHARLOTTE, NC	\$ 53.70
CINCINNATI, OH	\$ 52.91
PHOENIX, AZ - OCT TO MAY	\$ 51.74
OKLAHOMA CITY, OK	\$ 51.11
DENVER, CO - NOV TO MAY	\$ 50.05
DALLAS, TX	\$ 48.29
PUEBLO, CO	\$ 46.54
TULSA, OK	\$ 45.14
MILWAUKEE, WI	\$ 43.89
BILLINGS, MT	\$ 39.95
OMAHA, NE - JUN TO OCT	\$ 38.96
SALT LAKE CITY, UT - PROPOSED CHANGE	\$ 35.53
ORLANDO, FL	\$ 34.00
SALT LAKE CITY, UT	\$ 33.84 **
OMAHA, NE - NOV TO MAY	\$ 30.77
* Nonmanufacturing/Commercial based on 3,000 Cubic Feet (22,440 Gallons) Monthly.	
**Salt Lake City based on current rates as of July 1, 2009.	

**GROUP B SYSTEMS SEWER RATE COMPARISON  
FROM 2008 RAFTELIS FINANCIAL CONSULTING GROUP  
SEWER RATE SURVEY**

SYSTEM	RATE *
SANTA ROSA, CA	\$ 85.02
SEATTLE, WA	\$ 77.50
ANACORTES, WA	\$ 48.61
RICHMOND, VA	\$ 45.03
SPRINGFIELD, OR	\$ 41.96
GREENVILLE, SC	\$ 38.54
AUGUSTA, GA	\$ 37.76
PLANO, TX	\$ 36.75
GRAND RAPIDS, MI	\$ 36.48
FAYETTEVILLE, NC	\$ 35.47
FORT LAUDEDALE, FL	\$ 32.27
NORTH LAS VEGAS, NV	\$ 31.92
MOBILE, AL	\$ 31.86
CHATTANOOGA, TN	\$ 31.57
DENTON, TX	\$ 28.77
<b>GROUP B SYSTEMS AVERAGE</b>	<b>\$ 28.71</b>
GREENSBORO, NC	\$ 28.20
YUMA, AZ	\$ 28.06
FORT WAYNE, IN	\$ 27.05
ARLINGTON, TX	\$ 27.02
SAVANNAH, GA	\$ 24.75
CHEYENNE, WY	\$ 24.50
OKLAHOMA CITY, OK	\$ 21.99
NAPERVILLE, IL	\$ 20.20
MADISON, WI	\$ 19.88
CARROLLTON, TX	\$ 19.09
BILLINGS, MT	\$ 18.81
SCOTTSDALE, AZ	\$ 18.56
SAN BERNARDINO, CA	\$ 17.95
ANCHORAGE, AK	\$ 17.80
EL PASO, TX	\$ 17.73
VIRGINIA BEACH, VA	\$ 17.72
LINCOLN, NE	\$ 17.06
ALLENTOWN, PA	\$ 17.00
ENGLEWOOD, CO	\$ 16.99
ALBUQUERQUE, NM	\$ 15.71
SALT LAKE CITY, UT - PROPOSED RATES	\$ 13.70
PEORIA, IL	\$ 13.20
SALT LAKE CITY, UT	\$ 13.20
WICHITA, KS	\$ 5.85
* Residential based on 1,000 Cubic Feet (7,480 Gallons) Monthly.	
**Salt Lake City based on current rates as of July 1, 2009.	

PUBLIC UTILITIES DEPARTMENT  
 AREA STORM WATER RATE COMPARISON - MAY, 2009

<i>RANKING</i>	<i>CITY OR DISTRICT NAME</i>	<i>MONTHLY CHARGE</i>
<b>1</b>	<b>Portland OR</b>	<b>16.82</b>
<b>2</b>	<b>Sacramento CA</b>	<b>11.31</b>
<b>3</b>	<b>Austin TX</b>	<b>7.15</b>
<b>4</b>	<b>Denver</b>	<b>5.81</b>
<b>5</b>	<b>OGDEN CITY</b>	<b>5.52</b>
<b>6</b>	<b>SANDY CITY</b>	<b>5.00</b>
<b>7</b>	<b>SOUTH JORDAN CITY</b>	<b>5.00</b>
<b>8</b>	<b>OREM</b>	<b>4.75</b>
<b>9</b>	<b>SALT LAKE CITY - PROPOSED</b>	<b>4.28</b>
<b>10</b>	<b>PROVO</b>	<b>4.03</b>
<b>11</b>	<b>AMERICAN FORK</b>	<b>4.00</b>
<b>12</b>	<b>BOUNTIFUL CITY</b>	<b>4.00</b>
<b>13</b>	<b>DRAPER CITY</b>	<b>4.00</b>
<b>14</b>	<b>SALT LAKE CITY</b>	<b>4.00</b>
<b>15</b>	<b>TAYLORSVILLE CITY</b>	<b>4.00</b>
<b>16</b>	<b>MURRAY CITY</b>	<b>3.55</b>
<b>17</b>	<b>PLEASANT GROVE</b>	<b>3.00</b>

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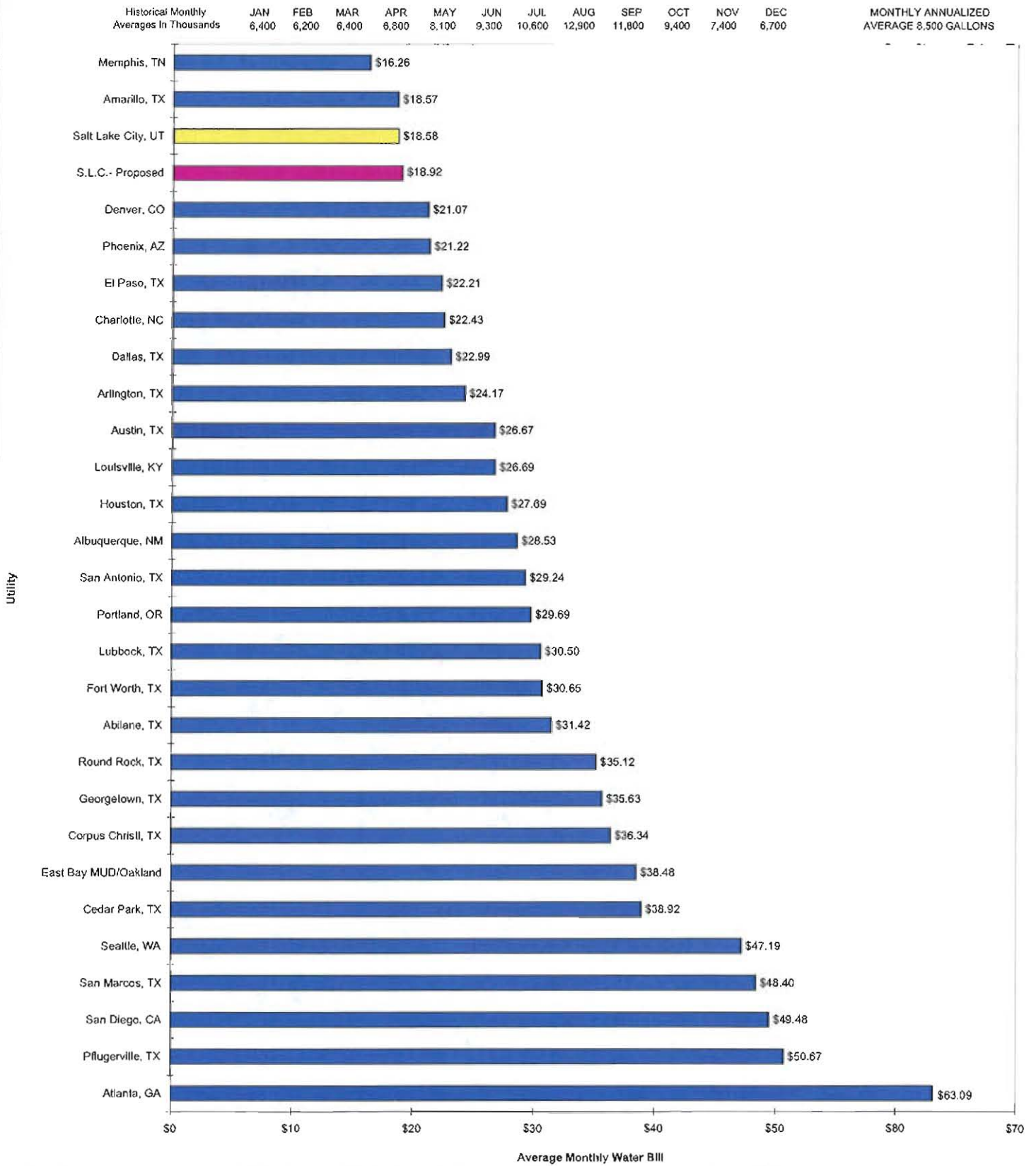
PUBLIC UTILITIES DEPARTMENT  
AREA WATER RATE COMPARISON - DECEMBER, 2009

RANKING	CITY OR DISTRICT NAME	MONTHLY MINIMUM CHARGE	WINTER @ 7,460 GAL PER MONTH	SUMMER @ 23,935 GAL PER MONTH	TOTAL WINTER CHARGES*	TOTAL SUMMER CHARGES*	YEARLY TAX ON \$200,000 PROPERTY	TOTAL CHARGES
1	PARK CITY - GRADUATED RATES (1)	23.36	53.95	126.34	377.67	631.71		1009.38
2	MAGNA - GRADUATED RATES (2)	13.76	17.33	39.35	138.68	157.39	404.20	700.27
3	SOUTH JORDAN CITY - GRADUATED RATES (3)	34.88	47.15	76.92	377.18	307.69		684.87
4	DRAPER CITY - GRADUATED RATES(4)	20.25	35.37	82.07	282.95	328.27		611.23
5	SANDY CITY - OUTSIDE OF CITY	31.04	31.84	74.87	222.88	374.34		597.22
6	SANDY CITY - INSIDE OF CITY (8)	22.37	23.17	62.21	162.19	311.07	80.80	554.06
7	KEARNS IMPROVEMENT DIST-GRADUATED RATES (5)	9.00	21.94	55.84	175.52	223.38	117.92	516.82
8	SALT LAKE CITY - OUTSIDE OF CITY	9.87	21.77	64.80	174.16	259.20		433.36
9	OGDEN CITY - GRADUATED RATES (6)	13.35	24.14	58.27	193.09	233.05		426.15
10	SALT LAKE CITY - INSIDE OF CITY (8)	7.44	16.24	48.00	129.92	192.00	79.60	401.52
11	CITY OF SOUTH SALT LAKE	16.05	22.56	52.51	180.51	210.05		390.56
12	GRANGER - HUNTER IMPROVEMENT DISTRICT	6.00	16.85	40.71	134.77	162.83	66.20	363.80
13	WEST JORDAN CITY	15.27	22.30	37.77	178.41	151.08		329.49
14	MURRAY CITY	7.21	16.11	48.17	128.88	192.68		321.56
15	JVWCD	2.50	11.10	36.73	88.82	146.91	80.00	315.73
16	RIVERTON CITY	20.10	20.10	37.52	160.80	150.08		310.88
17	PLEASANT GROVE - GRADUATED RATES (7)	9.00	11.98	46.09	95.81	184.36		280.17
18	BOUNTIFUL CITY - RESIDENTIAL HIGH ELEVATION	11.82	14.80	34.54	118.37	138.17		256.54
19	TAYLORSVILLE/BENNING IMPROVEMENT DISTRICT	2.00	11.72	33.12	93.79	132.47	15.80	242.06
20	BOUNTIFUL CITY - RESIDENTIAL LOW ELEVATION	10.73	13.41	31.18	107.27	124.72		231.99
21	AMERICAN FORK	15.00	15.00	25.45	120.00	101.81		221.81
22	OREM	10.41	14.75	24.29	117.99	97.17		215.16
23	PROVO	8.74	12.32	24.10	98.56	96.40		194.96

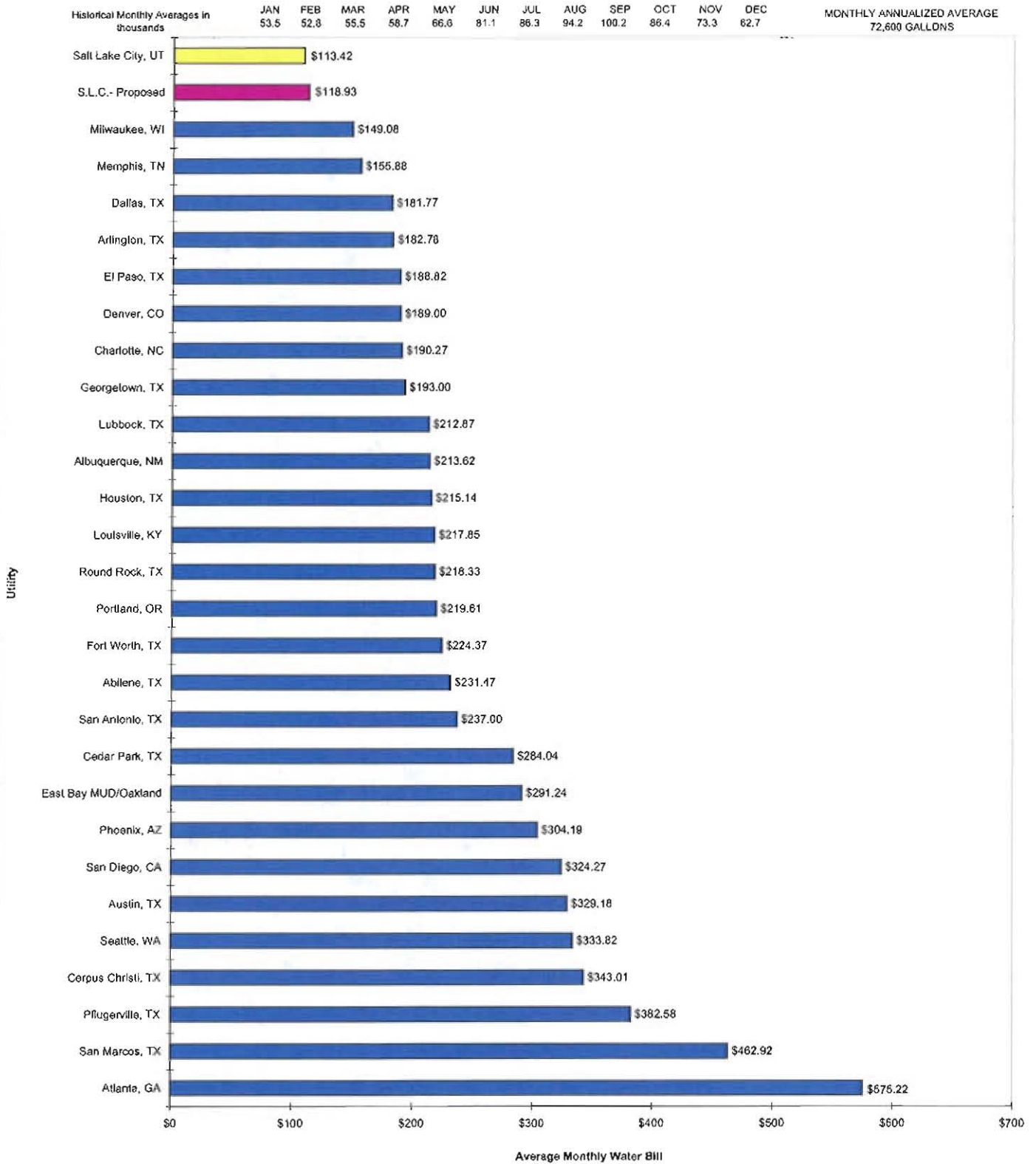
\* BASED ON EIGHT MONTHS WINTER AND FOUR MONTHS SUMMER EXCEPT PARK CITY & SANDY WHICH ARE SEVEN MONTHS WINTER AND FIVE MONTHS SUMMER  
(1) RATES ARE \$2.91/THOUSAND FOR 0-5,000 GALLONS, \$4.67/THOUSAND FOR 5,001-30,000 GAL IN SUMMER AND \$4.09/THOUSAND IN WINTER  
(2) RATES ARE \$13.76 FOR 0-6,000 GALLONS, \$1.28/THOUSAND FOR 6,001-18,000 GALLONS, & \$1.44/THOUSAND FOR 18,001-35,000 GALLONS  
(3) RATES ARE \$1.64/THOUSAND FOR 0-10,000 GALLONS AND \$1.84/THOUSAND FOR 10,001-28,000 GAL  
(4) RATES ARE \$1.64/THOUSAND FOR 0-5,000 GALLONS, \$2.79/THOUSAND FOR 5,001-20,000 GAL, & \$2.99/THOUSAND FOR 20,001-50,000 GAL.  
(5) RATES ARE \$1.73/THOUSAND FOR 0-10,000 GALLONS & \$2.12/THOUSAND FOR 10,001-25,000 GALLONS  
(6) RATES ARE \$1.20/THOUSAND FOR 0-5,000 GALLONS, \$1.93/THOUSAND FOR 5,001-10,000 GAL, & \$2.10/THOUSAND FOR 10,001-25,000 GAL.  
(7) RATES ARE \$9.00 FOR 0-5,000 GALLONS, \$1.20/THOUSAND FOR 5,001-10,000 GALLONS, \$1.75/THOUSAND FOR 10,001-15,000 GALLONS, & \$2.50/THOUSAND FOR 15,001-50,000 GALLONS  
(8) INCLUDES METROPOLITAN WATER PROPERTY TAX



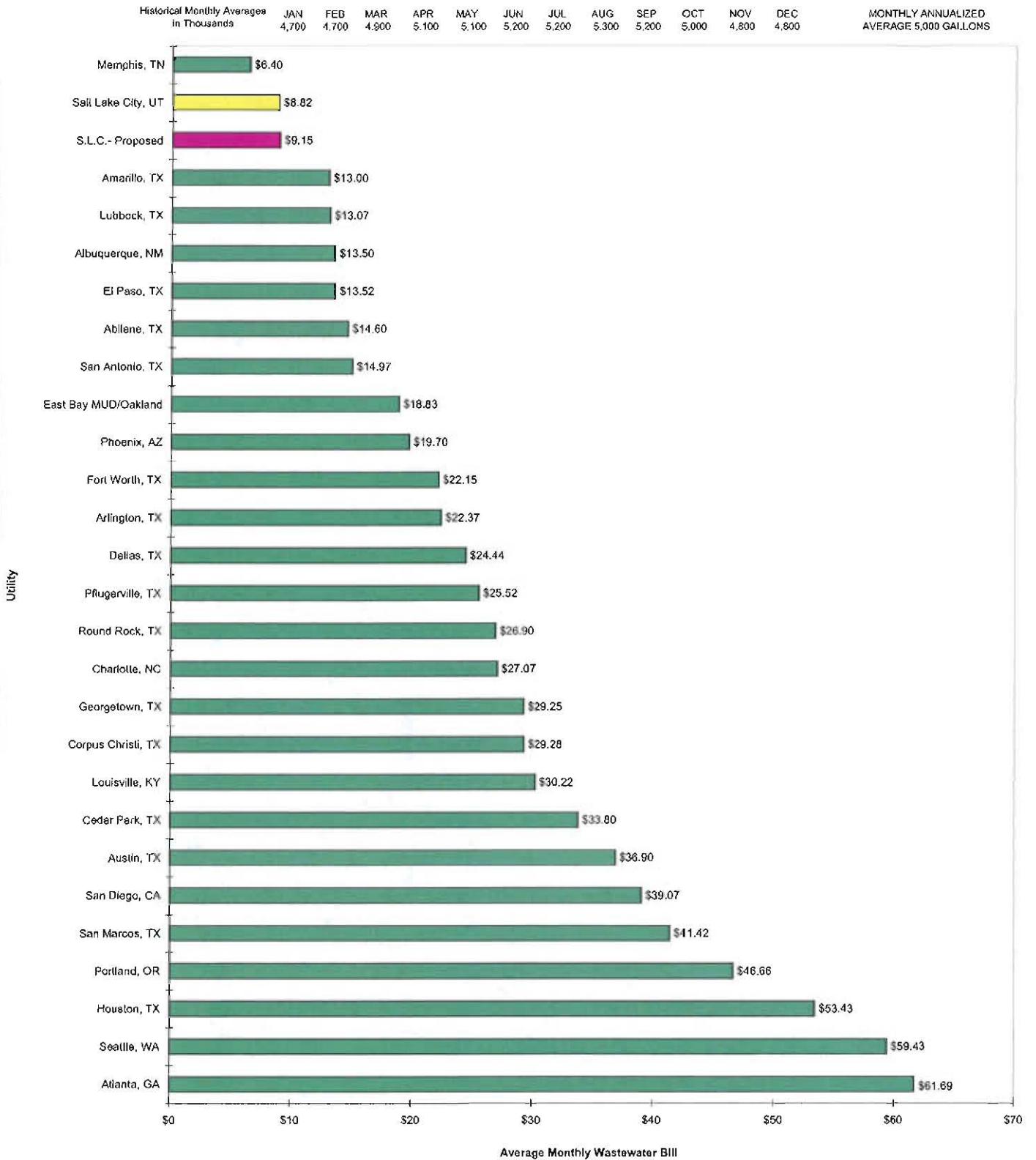
**AVERAGE MONTHLY BILL COMPARISON - WATER  
INSIDE CITY RESIDENTIAL CLASS  
Existing Rates - (Austin Average Water Consumption)**



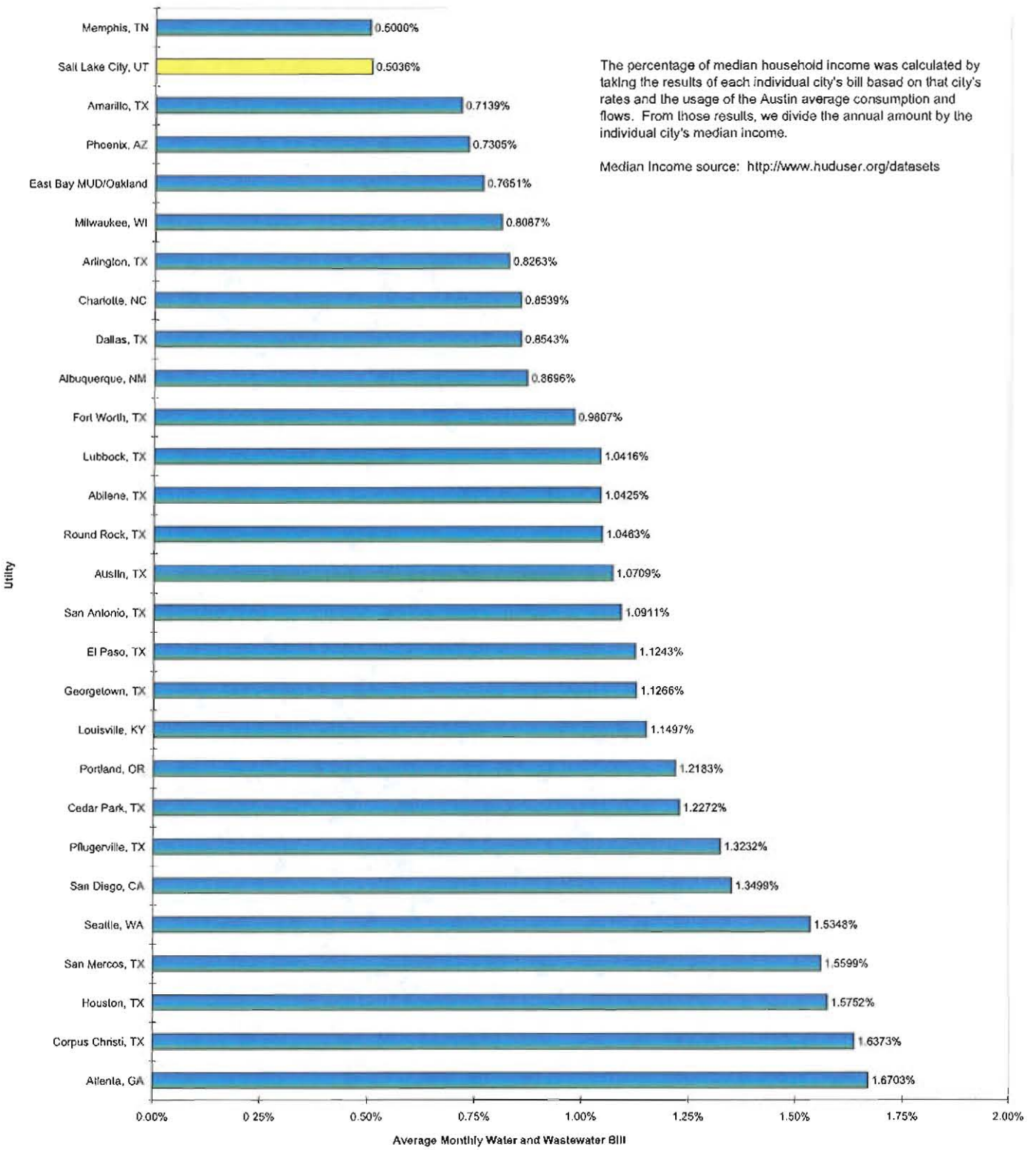
**AVERAGE MONTHLY BILL COMPARISON - WATER  
INSIDE CITY COMMERCIAL CLASS  
Existing Rates - (Austin Average Water Consumption)**



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



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



# AWWA – Benchmarking Indicators

Years	2009	2008	2007	2006	Low	Med	High	
Debt Ratio	13.8%	14.8%	13.9%	13.1%	21%	32%	46%	😊
Return on Assets	3.94%	4.58%	5.10%	4.80%	.9%	2%	5.1%	😊
O&M costs per Water MG Processed	\$1,341	\$1,307	\$1,231	\$1,201	\$863	\$1,431	\$2,089	AVG
Direct costs of Water Treatment per MG	\$398	\$430	\$381	\$389	\$245	\$500	\$781	😊
Direct costs of Sewer Treatment per MG	\$450	\$453	\$435	\$436	\$622	\$924	\$1,471	😊
O&M cost per Sewer MG Processed	\$825	\$819	\$737	\$735	\$1,067	\$1,960	\$2,616	😊
Employee Safety Severity Rate	53.3	5.66	21.2	27.2	5	21.2	81.4	😬

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# AWWA – Benchmarking Indicators

Years	2009	2008	2007	2006	Low	Med	High	
MGD Water Delivered per Employee	0.33	0.33	0.33	0.33	0.15	0.24	<b>0.33</b>	☺
MGD Sewer Processed per Employee	0.33	0.34	0.34	0.33	0.20	0.27	<b>0.36</b>	☺
Billing Accuracy Errors per 10,000 bills	2.6	2.7	2.4	2.5	<b>2.6</b>	7.1	16.1	☺
Complaints per 1,000 customers	4.99	4.86	4.85	10.4	0.8	<b>5.2</b>	18.6	<b>AVG</b>
Technical Quality Complaints per 1,000 customers	1.38	1.59	1.08	3.9	<b>2.3</b>	6.2	16.4	☺
Training Hours per Employee	16.2	18.1	17.7	24	17.3	<b>22.8</b>	34.8	<b>AVG</b>
Customer Service Cost per Account	\$37.35	\$36.89	\$34.66	\$39.49	<b>\$31.96</b>	\$42.03	\$64.64	☺

# AWWA – Benchmarking Indicators

Years	2009	2008	2007	2006	Low	Med	High	
Water Monthly Residential using 7,500 gallons (based on proposed rates)	\$17.09	\$16.24	\$15.02	\$14.36	<b>\$21.44</b>	\$26.41	\$32.04	😊
Sewer Monthly Residential using 7,500 gallons (based on proposed rates)	\$13.80	\$13.27	\$13.27	\$13.27	<b>\$21.98</b>	\$30.61	\$38.55	😊

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**WATER UTILITY  
ENTERPRISE FUND  
BUDGET SUMMARY  
FY 2011-13**

<u>SOURCES</u>	ACTUAL 2008-2009	AMENDED BUDGET 2009-10	PROJECTED ACTUAL 2009-10	Rate Increase 5%	Rate Increase 6%	Rate Increase 5%
				PROPOSED BUDGET 2010-011	FORECAST BUDGET 2011-12	FORECAST BUDGET 2012-13
<b>REVENUES</b>						
METERED SALES	\$54,536,094	\$50,057,000	\$50,057,000	\$52,559,850	\$55,187,843	\$57,947,235
INTEREST INCOME	723,551	370,000	370,000	300,000	250,000	200,000
OTHER REVENUES	4,462,328	2,389,450	2,389,450	2,591,000	2,591,000	2,591,000
<b>TOTAL REVENUES</b>	<b>\$59,721,973</b>	<b>\$52,816,450</b>	<b>\$52,816,450</b>	<b>\$55,450,850</b>	<b>\$58,028,843</b>	<b>\$60,738,235</b>
<b>OTHER SOURCES</b>						
GRANTS & OTHER RELATED REVENUES	\$5,337,335	\$905,000	\$905,000	\$905,000	\$905,000	\$905,000
IMPACT FEES	1,615,394	500,000	500,000	500,000	500,000	500,000
OTHER SOURCES	129,374	50,000	50,000	50,000	50,000	50,000
BOND PROCEEDS	-	-	-	-	-	12,000,000
<b>TOTAL OTHER SOURCES</b>	<b>\$7,082,103</b>	<b>\$1,455,000</b>	<b>\$1,455,000</b>	<b>\$1,455,000</b>	<b>\$1,455,000</b>	<b>\$13,455,000</b>
<b>TOTAL SOURCES</b>	<b>\$66,804,076</b>	<b>\$54,271,450</b>	<b>\$54,271,450</b>	<b>\$56,905,850</b>	<b>\$59,483,843</b>	<b>\$74,193,235</b>
<b>EXPENSES &amp; OTHER USES</b>						
<b>EXPENDITURES</b>						
PERSONAL SERVICES	\$16,384,708	\$16,313,790	\$16,313,790	\$16,301,187	\$16,464,198	\$16,628,840
OPERATING & MAINTENANCE	2,712,036	2,702,495	2,702,495	2,760,545	2,815,756	2,872,052
TRAVEL & TRAINING	47,968	53,239	53,239	53,239	54,303	55,388
UTILITIES	1,930,824	2,025,568	2,025,568	2,070,518	2,111,930	2,154,167
PROF & CONTRACT SERVICES	3,863,015	2,673,251	2,673,251	2,720,751	2,775,166	2,830,669
DATA PROCESSING	526,575	481,700	481,700	524,200	534,684	545,378
FLEET MAINTENANCE	1,026,624	1,120,000	1,120,000	1,120,000	1,142,400	1,165,248
ADMINISTRATIVE SERVICE FEE	806,636	672,000	672,000	895,000	912,900	931,158
PAYMENT IN LIEU OF TAXES	370,319	371,000	371,000	371,000	378,420	385,988
METRO. WATER PURCH & TREAT	8,220,984	10,224,000	10,224,000	11,169,000	11,752,000	12,349,000
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	(435,763)	(186,756)	(186,756)	(124,756)	(127,251)	(129,801)
<b>TOTAL EXPENDITURES</b>	<b>\$42,475,818</b>	<b>\$43,472,179</b>	<b>\$43,472,179</b>	<b>\$44,882,576</b>	<b>\$45,836,398</b>	<b>\$46,809,979</b>
<b>OTHER USES</b>						
CAPITAL OUTLAY	\$2,282,772	\$2,507,300	\$2,507,300	\$2,145,000	\$2,128,000	\$2,255,000
CAPITAL IMPROVEMENT BUDGET	18,542,573	20,620,160	20,420,160	16,740,250	13,930,200	20,946,300
DEBT SERVICES	2,765,434	2,750,000	2,750,000	2,750,000	2,750,000	3,950,000
<b>TOTAL OTHER USES</b>	<b>\$23,590,779</b>	<b>\$25,877,460</b>	<b>\$25,677,460</b>	<b>\$21,635,250</b>	<b>\$18,808,200</b>	<b>\$27,151,300</b>
<b>TOTAL USES</b>	<b>\$66,066,597</b>	<b>\$69,349,639</b>	<b>\$69,149,639</b>	<b>\$66,517,826</b>	<b>\$64,644,598</b>	<b>\$73,961,279</b>
<b>EXCESS REVENUE AND OTHER</b>						
SOURCES OVER (UNDER) USES	\$737,479	(\$15,078,189)	(\$14,878,189)	(\$9,611,976)	(\$5,160,755)	\$231,956
<b>OPERATING CASH BALANCES</b>						
BEGINNING JULY 1	\$37,140,280	\$37,877,759	\$37,877,759	\$22,999,570	\$13,387,594	\$8,226,839
ENDING JUNE 30	\$37,877,759	\$22,799,570	\$22,999,570	\$13,387,594	\$8,226,839	\$8,458,795
Cash Reserve Ratio	89%	52%	53%	30%	18%	18%
Cash reserve goal above 10%						
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	\$200	\$210	\$219	\$226	\$233
Watershed Increase request			Plus 50¢ base rate			



## WATER UTILITY CASH FLOW

	ACTUAL YEAR 2008-2009	BUDGET YEAR 2009-2010	BUDGET YEAR 2010-2011	BUDGET YEAR 2011-2012	BUDGET YEAR 2012-2013	BUDGET YEAR 2013-2014	BUDGET YEAR 2014-2015
WATER SALES	55,580,475	50,057,000	52,559,850	55,187,843	57,947,235	60,844,596	63,886,826
OTHER INCOME	1,664,080	2,389,450	2,591,000	2,591,000	2,591,000	2,591,000	2,591,000
INTEREST INCOME	723,551	370,000	300,000	250,000	200,000	200,000	200,000
OPERATING INCOME	57,968,106	52,816,450	55,450,850	58,028,843	60,738,235	63,635,596	66,677,826
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	(8,220,984)	(10,224,000)	(11,169,000)	(11,752,000)	(12,349,000)	(12,960,000)	(13,585,000)
OPERATING EXPENDITURES	(27,232,942)	(26,226,287)	(26,691,684)	(27,062,506)	(27,439,086)	(27,821,598)	(27,973,837)
NET INCOME EXCLUDING DEP.	15,492,288	9,344,271	10,568,274	12,192,445	13,928,257	15,832,106	18,097,097
OTHER RECEIPTS / BOND PROCEEDS	1,883,241		0		12,000,000		0
IMPACT FEES	1,615,394	500,000	500,000	500,000	500,000	500,000	500,000
OTHER CONTRIBUTIONS	5,337,335	955,000	955,000	955,000	955,000	955,000	955,000
CAPITAL OUTLAY	(2,282,772)	(2,507,300)	(2,145,000)	(2,128,000)	(2,255,000)	(2,055,000)	(2,185,000)
WATERSHED PURCHASES	(1,752,010)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)
DEBT SERVICE	(2,765,434)	(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	(1,200,000)	(1,200,000)	(1,200,000)
OTHER INCOME & EXPENSE	2,035,754	(4,802,300)	(4,440,000)	(4,423,000)	6,250,000	(5,550,000)	(5,680,000)
AVAILABLE FOR CAPITAL	17,528,042	4,541,971	6,128,274	7,769,445	20,178,257	10,282,106	12,417,097
CAPITAL IMPROVEMENTS	(16,790,563)	(19,420,160)	(15,740,250)	(12,930,200)	(19,946,300)	(14,685,000)	(17,485,000)
CASH INCREASE/(DECREASE)	737,479	(14,878,189)	(9,611,976)	(5,160,756)	231,957	(4,402,894)	(5,067,903)
BEGINING CASH BALANCE	37,140,280	37,877,759	22,999,570	13,387,594	8,226,839	8,458,795	4,055,901
CASH INCREASE/(DECREASE)	737,479	(14,878,189)	(9,611,976)	(5,160,756)	231,957	(4,402,894)	(5,067,903)
ENDING BALANCES	37,877,759	22,999,570	13,387,594	8,226,839	8,458,795	4,055,901	(1,012,001)
WATER DEBT SERVICE COVERAGE	6	3	4	4	4	4	5
RATE CHANGE	4.00%	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%
ANNUAL RESIDENTIAL WATER BILL (1997=\$180.00)	353	353	371	389	409	429	451
Cash Reserve Ratio	89%	53%	30%	18%	18%	8%	-2%
Metropolitan water rate	200	213	219	226	233	240	247
Metropolitan water purchases in acre feet	46,105	48,000	51,000	52,000	53,000	54,000	55,000
Water Supplied in Million Gallons	31,664	29,000	30,000	30,000	30,000	30,000	30,000
Revenue per million gallons	1,755	1,726	1,752	1,840	1,932	2,028	2,130

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51-03301-03301	2710.10	LAND WATERSHED PROPERTY				1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	0
51-03301-03301	2710.30	WATER RIGHTS & SUPPLY WATER STOCK PURCHASES				30,000	30,000	30,000	30,000	30,000	30,000	0
51-01301-00601	2772.10	MAINTENANCE & REPAIR SHOPS - 2720.10 SILVER LAKE DISPLAY UPGRADE TO FACILITY AND COST SHARING					10,000					
00601		VARIOUS RESTROOM REPLACEMENTS								40,000		
03201		REBUILDING STUDY AND DESIGN		2		100,000						
00601	5122616	ROTARY PARK PAVILION AREA 30 AND ROOF				40,000	25,000					
02201		SHOPS BUILDING OPTIONS (HVAC)					400,000					10,000,000
00101		ARTESIAN BASIN AREA ASPHALT		2								170,000
03201		ADMINISTRATION OFFICE (HVAC)					250,000					
03201		ADMINISTRATION OFFICE (BATHROOM REHAB 2 PER YEAR)					30,000	30,000				
00601		CITY CREEK GUARD HOUSE DEMO					30,000					
						140,000	745,000	30,000	0	40,000	0	10,170,000
51-01301-00701	2772.10	TREATMENT PLANTS - 2720.30 CITY CREEK				25,000						
00701		CITY CREEK - FLOCCULATION BASIN INSTRUMENT PANEL ISOLATION AND ENVIRONMENTAL CONTROL		1		120,000						
00701		CITY CREEK - CLARIFIER OVERFLOW PIPING MODIFICATIONS (REMOVAL) AND REPLACEMENT		1		80,000						
00701		CITY CREEK - POWER AND TELEMETRY TO THE DRYING BEGS INCLUDING GATE AND CONTROL DEVICES		1		20,000						
00701	514100103	CITY CREEK - SECURITY CAMERA PROJECT				12,000						
00701	514100105	CITY CREEK - INTAKE STRUCTURE IMPROVEMENTS				250,000						
00701		CITY CREEK - COAGULATION BASIN										
00701		NEW PLUMBING OF CLARIFIER FOR OVERFLOW		1								
00701		SEDIMENTATION BASIN ROOF REPAIR		1								5,000,000
00701	5122615	DRAINAGE AND SLUDGE LINE SEPARATION AND REHAB										
00701		CITY CREEK BIKE TRAIL FROM GUARD STATION TO PLANT (4 MILES - 12 FEET WIDE)		17						300,000		
00701		SED BASINS - SEISMIC - COLLECTORS		2						8,000,000		
00701		JV SYSTEM		4								
00701		REPLACE ALL OLD LARGE LINES		3								
00701		CITY CREEK SLUDGE LINE CIPP		1			80,000					
00701		CITY CREEK - COAG AND FILTER BUILDING ROOF REPAIRS - MEMBRANE		1			40,000					
00701		DRYING BED STUDY AND POTENTIAL CONSTRUCTION		2								1,000,000
00701		Replace stairs and ladders in coag/filtr		1			18,000				1,000,000	
00701		Replace upper reclaim bridge and gate		2			50,000					
00701		Enlarge clarifier		4								750,000
00701		Enlarge or replace back wash tank		4							500,000	
00701		Repair leaks on filter walls		3								
00701		Replace concrete bridges to clarifier and sludge beds		3				120,000		30,000		
00701		Replace PVC chemical lines on fluoride and hypochlorite		2					50,000			
00701		Replace Filter building windows		3								
00701		Security Fence for sludge beds/backwash tank		3			35,000					
00701		Security fencing for back of plant		3						75,000		
00701		Fresh concrete around fluoride building		2				15,000		40,000		
00701		Filter gallery/ lower poly rooms/ shop flooring repairs		3							60,000	
00701		Level sensors at sludge beds		2			12,000					
00701		Lighting at sludge beds		2			12,000					
00701		Move hydrant		2					15,000			
00701		Electric actuator for clarifier effluent valve		2					15,000			
00701		Overhead door at fluoride building		1			15,000					
00701		Replace sludge collector motor base mounts		2			7,000					
00801		PARLEY'S										
00801		PARLEY'S TP - REFURBISH ALL FILTER VALVES		1					100,000			
00801		SLUDGE LINE		3								
00801		DAM SLEEVE VALVE		1						1,000,000		
00801		PARLEY'S HYDROPOWER PROJECT										1,000,000
00801		SLUDGE BEDS - LINING & VALVES		2								900,000
00801		PRECURSOR/ TASTE & ODOR CONTROL		4								1,000,000
00801		PARLEY'S TP - LABORATORY UPGRADE		3						50,000		
00801		PARLEY'S TP - BOAT HOUSE NEW RAMP OR REPLACEMENT OF BOAT LAUNCH SYSTEM WITH WINCH		7								15,000
00801		PARLEY'S TP - CONDUIT FROM DAM TO OLD ICB TO PLANT		2								20,000
00801		PARLEY'S TP - INSTALL CARBON FEED SYSTEM		3								50,000
00801		PARLEY'S TP - REPLACE ALL POST STORAGE TANK HYPO PLUMBING		2								10,000
00801		PARLEY'S TP - REPLACE STAIRS ON MT. DELL DAM		7								20,000
00801		PARLEY'S TP - NEW I/O AND PLC FOR NEW INSTRUMENTS & FLUORIDE, INCLUDING P2 AND H2 SENSORS AND AL		1								50,000
00801		PARLEY'S TP - FLOCCULATION BASIN MIXING PADDLE REPLACEMENT AND BAFFLING MODIFICATIONS		2				25,000				
00801		Refurbish all filter waste gates		2				300,000				
00801		Replace valves on Mt. Dell DAM		1								500,000
00801		Replace Mt. Dell Valve house heaters DAM		1								10,000
00801		Roof mount unit heaters in coag basin		1								
00801		Replace front gate		3			50,000					
00801		Sludge bed study		2					100,000			20,000
00801		Woman's restroom ADA upgrade		3								25,000

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		<b>BIG COTTONWOOD</b>										
00901		BIG COTTONWOOD - PLC, I/O AND DATA HIGHWAY CONVERSION TO ETHERNET AND PLC REPLACEMENT		1		100,000						
00901		BIG COTTONWOOD - REFURBISH FILTER VALVES (POSSIBLE EXCEPTION OF FILTER EFFLUENT VALVE)		1		100,000						
00901		BIG COTTONWOOD - SEISMIC UPGRADE (SEDIMENTATION BASIN)		1								8,000,000
00901		BIG COTTONWOOD - RELOCATE FILTER GALLERY I/O PANELS FROM BAD ENVIRONMENT.		2						50,000		
00901		BIG COTTONWOOD - HYPOCHLORITE GENERATION				650,000				50,000		
00901		Refurbish waste gates		1			175,000					
00901		Replace chain drives on flocculators		2				200,000				
00901		ROOF MOUNT HEATING SYSTEM - FILTER BUILDING		1			25,000					
00901		Refurbish or replace all filter valves		3					100,000			12,000,000
00901		Replace concrete in bypass channel		2			20,000					
00901		Replace flocculator VFD drives		3			15,000					
00901		Replace facility upper end PLC		3				20,000				
00901		Replace level sensors in storage tanks		3						10,000		
00901		Replace old sludge valves		2						30,000		
00901		Replace pumps on clear well landing		2						40,000		
00901		Seismic upgrade on sediment basin		1				500,000				
00901		Replace or refurbish flash mixers		2					40,000			
00901		Replace floor in 50 ft intake channel		1			20,000					
00901		Install pan and tilt camera in filter building and entrance gate		1				20,000				
00901		MACC for VFDs for the pumps at recycle basin with surge protectors		1			50,000					
00901		building to house the brine tank for heat control		1				20,000				
00901		Pave lower drive to clarifier and widen drive		2					10,000			
						1,337,000	704,000	1,220,000	460,000	265,000	10,905,000	30,325,000
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	50,000	
01301	513416285	LITTLE WILLOW PUMP STATION EXPANSION	100%			500,000						
01301	513416319	OLYMPUS COVE PUMP STATION FROM PARLEY'S COVE - NEW	100%			140,000	1,000,000					
01301		AUXILIARY POWER - CARRIGAN COVE PRESSURE ZONE		2		25,000						
01301		AUXILIARY POWER - GOLDEN HILLS PRESSURE ZONE		2		28,000						
01301		UV UPGRADE #200 SOUTH PUMP STATION						300,000				
01301	51341672	7800 SOUTH UPGRADE						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									300,000	
01301		OAKHILLS PUMP STATION - MOTOR CONTROL CENTER/VFD/PUMP UPGRADE							350,000			
01301		FONTAINE BLEU - VFD							75,000			
01301		48TH AND 9TH BOOSTER - VFD								40,000		
01301		UPPER BOUNDARY SPRINGS		2				500,000				
01301		AUXILIARY POWER - 4500 SOUTH PRESSURE ZONE		2			100,000					
01301		Pump Station & Well Efficiency Improvements Study										
01301		NORTH BENCH PUMP STATION						100,000				
						740,000	1,150,000	1,950,000	2,375,000	590,000	350,000	2,000,000
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				50,000	200,000					
00101	5120217	VARIOUS LOCATIONS				50,000	50,000	50,000	50,000	50,000	50,000	
00101	5124466	WILMINGTON DIVERSION				80,000						
00101		MEASURING DEVICES FOR JSL AND EJ CANALS					10,000					
00101		LITTLE COTTONWOOD PARSHAL FLUME		2			50,000					
00101		2100 SOUTH TO 1700 SOUTH					100,000	100,000	100,000			
00101		6200 SOUTH PUMP STATION 30" VALVE INSTALLATION										
00101		CANAL ASSET MANAGEMENT AND CONDITION STUDY					100,000					
						380,000	510,000	150,000	150,000	50,000	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		4			450,000					5,000,000
01301		STUDY TREATMENT OF PCE AT WELLS		3		75,000						
01301		13TH AND 27TH SOUTH WELL - STATION UPGRADE (IN PROGRESS)				200,000						
01301	5132241	RED BUTTE	100%	3								2,500,000
01301		6200 SOUTH UPGRADE		2				250,000				
01301		FONTAINE BLEU - REHAB							350,000			
01301		NEFFS DRAW - VFD					25,000					
01301		WELL 14 - VFD						35,000				
01301		SUGARHOUSE PARK WELL - VFD							60,000			
01301		19TH AND 27TH SOUTH WELL - VFD							60,000			
01301		6200 So Well - VFD							50,000			
01301		EDGEWOOD WELL - REHAB							200,000			
01301		MILL CREEK WELL - VFD								300,000		
01301		BRITON SPRINGS - REHAB								200,000		
01301		WELL 5 - REHAB										250,000
01301		ARTESIAN WELL 1 - REHAB										250,000

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01301		ARTESIAN WELL 2 - REHAB										250,000
						375,000	575,000	385,000	820,000	800,000	100,000	8,250,000
51-01301-	2773.10	STORAGE RESERVOIRS - 2730.06										
01301		LITTLE DELL DAM ACCESS ROAD REHABILITATION		METRO			91,000					
01301		ADIT VENTILATION SYSTEM REPAIRS AT LITTLE DELL DAM		METRO			10,000					
01301		LITTLE DELL DAM INSTRUMENTATION UPGRADE		METRO			99,000					
01301		BOAT RAMP REPAIRS AT LITTLE DELL DAM		METRO				40,000				
01301	51344326	MT DELL CONCRETE STUDY & RESURFACE	0%	1			50,000					2,000,000
01301		LITTLE DELL PORTAL REPAIRS				85,000						
01301		RED PINE DAM REHAB CORE WALL	0%	2				90,000				
01301		RESURFACE DAM FACE - LAKE MARY	0%	2								2,000,000
01301		INSTALL A DIRECT PIPE INTO PARLEYS TREATMENT FROM LITTLE DELL	0%	4								2,000,000
01301		Drain System Acid Flush at Twin Lakes Dam		4				25,000				
01301		CECRET LAKE DAM REHAB						30,000				100,000
01301		LAKE MARY REHAB	0%	3								100,000
						85,000	305,000	130,000	0	0	0	6,200,000
51-01301-	2773.10	DISTRIBUTION RESERVOIRS - 2730.07										
01301	51344154	BASKIN RESERVOIR ROOF	0%			1,500,000						
01301	51344122	1300 EAST RESERVOIR DEMOLITION	0%			555,000						
01301		UPPER BOUNDARY TANK REPAINTING	0%				200,000					
01301		MISCELLANEOUS REPAIRS	0%			140,000	50,000	50,000	50,000	50,000	50,000	
01301	51344325	GRANITE OAKS RESERVOIR	100%									
01301	51344461	EASTWOOD TANK PAINTING				160,000						
01301	51344459	MILITARY RESERVOIR REPLACEMENT	0%							5,000,000		6,000,000
01301		RESERVOIR INSPECTION OF TEN SITES (CORROSION CONTROL CONTRACT)	0%					50,000				
01301		TANK PAINTING AND RESTORATION PROJECT	0%								500,000	
01301		7800 SOUTH PRESSURE ZONE - 4.3 MILLION GALLON RESERVOIR	100%	4								
						2,355,000	260,000	100,000	50,000	5,050,000	550,000	6,000,000
51-01301-	2773.10	DISTRIBUTION MAINS & HYDRANTS - 2730.08										
		CITY, COUNTY, STATE AND MISC. DRIVEN PROJECTS										
01301		VARIOUS PROJECTS				200,000	200,000	200,000	200,000	200,000	200,000	
01301		600 SOUTH - 700 EAST TO 1100 EAST	0%		3,200	200,000						
01301		700 SOUTH - 4400 WEST TO 5600 WEST	0%		9,600		100,000					
01301		CALIFORNIA AVENUE (1330 S) - 4800 WEST TO 5600 WEST	0%		6,400							1,000,000
01301		1300 EAST - SOUTH TEMPLE TO 600 SOUTH	0%		4,000							100,000
01301		GLADIOLA STREET (3400 W) - 500 SOUTH TO CALIFORNIA AVENUE (1330 S)	25%		6,640							200,000
						400,000	300,000	200,000	200,000	200,000	200,000	1,300,000
		WATER MAIN MISCELLANEOUS PROJECTS										
01301	513800024	NEW MAINLINE VALVES - COUNTY	0%			138,000	638,000	638,000	138,000	138,000	138,000	
01301	51400023	WATER MAIN REPLACEMENTS	0%			100,000	100,000	100,000	100,000	100,000	100,000	
01301	51400023	DONATED LINES	0%			100,000	100,000	100,000	100,000	100,000	100,000	
01301	513800025	NEW MAINLINE VALVES - CITY	0%			262,000	762,000	762,000	262,000	262,000	262,000	
01301	513700024	FIRE HYDRANT REPLACEMENTS	0%			400,000	400,000	400,000	400,000	400,000	400,000	
01301	514504	REGULATOR REPLACEMENT	0%			300,000	300,000	300,000	300,000	300,000	300,000	
01301		CONTRIBUTIONS BY DEVELOPERS	0%			500,000	500,000	500,000	500,000	500,000	500,000	
						1,800,000	2,800,000	2,800,000	1,800,000	1,800,000	1,800,000	0
		WATER MAIN REPLACEMENTS										
01301	513504947	HUNTSMAN RESEARCH HOSPITAL - HANOVER DRIVE (380 NORTH) TO FORT DOUGLAS LINE (HUNTSMA	100%		4,300	350,000						
01301	513504830	G10-1 BONNEVILLE DRIVE (2700 E) - ST. MARY'S WAY (1200 S) TO OAKHILLS WAY (1078 S) - DESIGNED	0%		1,475	227,000						
01301	513504830	G10-1 ALTON WAY (2820 E) - OQUIRH DRIVE (1188 S) TO CRESTVIEW DRIVE (1010 S) - DESIGNED	0%		1,071	122,520						
01301	513504890	G10-1 OAKHILLS WAY (2745 E) - CRESTVIEW DRIVE (1010 S) TO ST. MARY'S WAY (1200 S) - DESIGNED	0%		1,772	212,840						
01301	513504882	G10-1 OQUIRH DRIVE (1188 S) - ST. MARY'S WAY (2912 E) TO OAKHILLS WAY (2745 E) - DESIGNED	0%		1,481	177,720						
01301	513504804	G10-1 STAMSBURY WAY (2654 E) - OQUIRH DRIVE (1188 S) TO CRESTVIEW DRIVE (1010 S)	0%		840	100,800						
01301	513504869	G10-2 7th STREET (600 E) - ALONIA AVENUE (710 N) TO THIRTEENTH AVENUE (660 N)	0%		570	68,400						
01301	513504992	G10-2 NORTHCREST DRIVE (815 N) - ALONIA STREET (710 N) TO TERRACE HILLS DRIVE (950 E)	0%		1,950	238,800						
01301	513504960	G10-2 SIXTEENTH AVENUE (820 N) - "J" STREET TO LITTLE VALLEY ROAD (860 E)	0%		1,780	213,600						
01301	513504708	G10-2 17TH AVENUE (850 N) - HILL TOP ROAD (645 E) TO LITTLE VALLEY ROAD (860 E)	0%		2,190	282,800						
01301	513504963	G10-2 18TH AVENUE (900 N) - 870 EAST TO LITTLE VALLEY ROAD (860 E)	0%		1,800	223,240						
01301	513504993	G10-2 "G" STREET (900 E) - THIRTEENTH AVENUE (850 N) TO FOURTEENTH AVENUE (700 N)	0%		333	39,960						
01301	513504961	G10-3 DESOTO STREET (45 E) - ZANE AVENUE (630 N) NORTH TO THE END	0%		1,385	166,200						
01301	513301903	G10-4 ZARAMELA DRIVE (4215 S) - CUMORAH DRIVE (4420 E) TO 4490 S)	0%		1,100	132,000						
01301	513301869	LITTLE WILLOW PIPE UPGRADE	0%			220,000						
01301	513301989	CRAIG DRIVE TWINBROOK ST. TO LAURELCREST ST.	0%			80,000						
01301	513301990	WASATCH BOULEVARD - 7600 SOUTH WASATCH	0%			15,000						
01301	513301991	HOLIDAY WATER CO. MAINLINE EXTEN. UPGRADE	0%			180,000						
01301		VARIOUS	0%		1,961	185,480						
01301	513504847	G4-0 500 WEST - 450 NORTH TO 500 NORTH	0%			460						196,000
01301	513504649	G4-0 200 NORTH - 400 WEST TO 500 WEST	0%			855						145,000
01301	513301759	MATHEWS WAY (4115 E) - ZARAMELA DRIVE (4215 E) TO CUMORAH DRIVE (4400 S)	0%			1,015						75,000
01301	513504714	G5-4 BROADMOOR (2640 E) - WASATCH DRIVE (1000 S) TO 2100 SOUTH	0%			1,090						120,000
01301	513504888	G5-4 BELAIR DRIVE (2910 E) - SCENIC DRIVE (2278 S) TO GLENOAKS DRIVE (2100 S)	0%			1,164						120,000
01301	513301951	CREEK ROAD (8200 S) - ROYAL LANE (2400 E) TO APPROX. 3200 E	50%			8,800						1,100,000
01301	513504991	NORTH TEMPLE - REDWOOD ROAD TO ORANGE STREET - DESIGNED	0%			1,275						158,000
		TOTAL			38,457							

Salt Lake City Corporation  
 Department of Public Utilities  
**WATER CAPITAL IMPROVEMENT PROJECTS**  
**SIX YEAR PROPOSAL**  
 2010 thru 2015

Last Update  
 2/18/2010

COST CENTER	PROJECT NUMBER	DESCRIPTION	GROWTH %	PRIORITY RATING	FEET OF PIPE	FISCAL YR 2009-10	FISCAL YR 2010-11	FISCAL YR 2011-12	FISCAL YR 2012-13	FISCAL YR 2013-14	FISCAL YR 2014-15	PROJECTS DELAYED
01301	513301880	G11-1 SANTA ROSA AVENUE (3325 S) - SANTA ROSA DRIVE (3275 E) TO EL SERRITO DRIVE (3475 E)	0%		980		122,500					
01301	513301880	G11-1 LOS ALTOS STREET (3370 E) - SANTA ROSA AVENUE (3325 S) TO DEL VERDE AVENUE (3410 S)	0%		740		92,500					
01301	513301880	G11-1 PLAZA WAY (3330 E) - SANTA ROSA AVENUE (3325 S) TO APPROX 3378 SOUTH (R VAL)	0%		480		60,000					
01301	513301920	G11-1 MONZA DRIVE (3680 S) - WASATCH BOULEVARD (3565 E) TO MILLCREST ROAD (3500 E)	0%		510		63,750					
01301	513301956	G11-2 CUMMINGS ROAD (3450 S) - EL SERRITO DRIVE (3425 E) TO VIRGINIA STREET (3470 E)	0%		495		81,875					
01301	513301956	G11-2 VIRGINIA STREET (3470 E) - CUMMINGS ROAD (3450 S) TO MILLCREEK CANYON ROAD (3500 S)	0%		695		86,250					
01301	513301961	G11-2 LAURELCREST STREET (3185 E) - CRAIG DRIVE (3540 S) TO UPLAND DRIVE (3760 S)	0%		1,100		137,500					
01301	513301904	G11-2 4135 SOUTHSHANNA STREET - 2700 EAST TO 4146 SOUTH	0%		1,300		160,000					
01301	513301905	G11-2 OLYMPUS DRIVE (4156 S) - CORAL STREET (2600 E) TO 2700 EAST	0%		600		82,500					
01301	513301962	G11-3 2830 EAST/2955 EAST - FORT UNION BOULEVARD (7000 S) TO 7230 SOUTH	0%		1,430		191,250					
01301	513301963	G11-3 JONATHAN DRIVE (7310 S) - PIPPIN DRIVE (3570 E) TO THE END OF WINESAP CIRCLE	0%		968		120,750					
01301	513301899	G11-3 MACINTOSH LANE (7335 S) - WINESAP ROAD (7330 S) TO RACQUET CLUB DRIVE (3665 E)	0%		1,750		218,750					
01301	513301967	G11-3 NUTMEG STREET (7145 S) - NUTTREE DRIVE (3325 E) TO PINE CONE STREET (3250 E)	0%		445		55,625					
01301	513301968	G11-3 SUNDRIFF CIRCLE (7230 S) - 2850 EAST TO END OF THE CIRCLE	0%		800		100,000					
01301	513301968	G11-3 3050 EAST - FORT UNION BOULEVARD (7000 S) TO 7070 SOUTH	0%		380		47,500					
01301	513301974	G11-4 CHARLESTON LANE (5880 S) - STANIDA CIRCLE (1835 E) TO HIGHLAND DRIVE (1970 E)	0%		1,450		181,250					
01301	513301975	G11-4 COBBLESTONE LANE (2520 E) - 6200 SOUTH TO THE END OF THE STREET	0%		1,100		137,500					
01301		G11-4 BEAUMONT DRIVE (1840 E) - CONWAY ROAD (1740 E) TO THE END OF BEAUMONT CIRCLE (5750 S)	0%		1,650		206,250					
01301	513504982	G10-3 COLUMBUS STREET (1 E) - GIRARD AVENUE (540 N) NORTH TO THE END	0%		1,750		210,000					
01301	513301901	G10-4 CUMORAH DRIVE (4420 S) - ABINADI ROAD (4180 E) TO HELAMAN CIRCLE (4430 S)	0%		580		69,600					
01301	513301902	G10-4 GILEAD WAY (4460 S) - ZARAHEMLA DRIVE (4215 E) TO END OF STREET	0%		1,420		170,400					
01301		Fremont Street		4			41,000					
01301		Foothill and 17th South 30-inch Valve		4			75,000					
01301		City Creek Water Line to Morris Reservoir		4			100,000					
01301	513301008	3900 South Pipeline Replacement			2,500		320,000					
01301		G11-4 CECECIA CIRCLE (5750 S) - HIGHLAND DRIVE (1970 E) TO END OF CECECIA CIRCLE (5750 S)	0%		1,100		137,500					
		<b>TOTALS</b>			<b>34,276</b>		<b>3,239,250</b>					
01301	513301968	G12-1 3100 EAST - UPLAND DRIVE (3760 S) TO DEL MAR DRIVE (3825 S)	0%		575		71,875					
01301	513301971	G12-1 EVERGREEN AVENUE (3435 S) - 3170 EAST TO 2890 EAST	0%		1,750		218,750					
01301	513301972	G12-1 3175 EAST - 3300 SOUTH TO EVERGREEN AVENUE (3435 S)	0%		2,050		256,250					
01301	513301973	G12-1 CELESTE WAY (3370 S) - 3175 EAST TO EVERGREEN AVENUE (3435 S)	0%		1,020		127,500					
01301		G12-1 DEL VERDE AVENUE (3410 S) - TERRACE VIEW DRIVE TO 3175 EAST	0%		475		59,375					
01301		G12-1 3170 EAST - EVERGREEN AVENUE (3435 S) TO MILLCREEK CANYON ROAD (3500 S)	0%		835		104,375					
01301		G12-1 3125 EAST - EVERGREEN AVENUE (3435 S) TO END OF THE STREET	0%		540		67,500					
01301		G12-2 APOLLO DRIVE (4135 S) 1/4100 SOUTH - WASATCH BOULEVARD (3565 E) TO JUPITER DRIVE (3735 S)	0%		1,380		172,500					
01301		G12-2 ACHILLES DRIVE (3565 E) - APOLLO DRIVE (4135 S) TO HERMES DRIVE (4175 S)	0%		750		93,750					
01301		G12-2 DIANA WAY (3535 E) - APOLLO DRIVE (4135 S) TO HERMES DRIVE (4175 S)	0%		810		101,250					
01301		G12-2 MARS WAY (3610 E) - APOLLO DRIVE (4135 S) TO HERMES DRIVE (4175 S)	0%		610		76,250					
01301		G12-3 3075 EAST - 3900 SOUTH TO 3565 SOUTH	0%		900		62,500					
01301		G12-3 3960 SOUTH - 3030 EAST TO 3075 EAST	0%		320		40,000					
01301		G12-3 3030 EAST - 3960 SOUTH TO THE END OF THE STREET	0%		210		26,250					
01301		G12-3 LISA DRIVE (3215 E) - DELSA DRIVE (3990 S) TO OLYMPIC WAY (3250 E)	0%		960		120,000					
01301		G12-3 OLYMPIC WAY (3250 E) - SPLENDOR WAY (3316 E) TO HAMPTON COURT (4060 S)	0%		610		76,250					
01301		G12-4 WANDA WAY (4475 S) - PEACH STREET (2810 E) TO THE END OF THE STREET	0%		1,520		190,000					
01301		G12-4 APPLE BLOSSOM LANE (4600 S) - 2780 EAST TO PEACH STREET (2810 E)	0%		560		70,000					
01301	513605044	G12-5 DEARBORN STREET (1480 E) - PARKWAY AVENUE (2455 S) TO STRATFORD AVENUE (2560 S)	0%		1,030		127,500					
01301	513605045	G12-5 BEVERLY STREET (1380 E) - STRATFORD AVENUE (2455 S) TO 2700 SOUTH	0%		1,030		127,500					
01301	513605046	G12-5 CHADWICK STREET (1420 E) - PARKWAY AVENUE (2455 S) TO STRATFORD AVENUE (2560 S)	0%		1,010		126,250					
		VARIOUS	0%		1,596		199,575					
					20,521							
01301		G13-1 2570 EAST - HERITAGE WAY (2760 S) TO BARBEY DRIVE (2800 S)	0%		300		37,500					
01301		G13-1 APPROX 2572 EAST - BARBEY DRIVE TO HERITAGE WAY	0%		295		36,875					
01301		G13-1 HERITAGE WAY (2760 S) - 2570 EAST TO APPROX 2575 EAST	0%		325		40,625					
01301		G13-1 2900 SOUTH - DEVEREAUX WAY (2550 E) TO 2700 EAST	0%		720		90,000					
01301		G13-1 2890 SOUTH - 2870 EAST TO APPROX 2730 EAST/SOUTH TO LOUISE AVENUE (2020 S)	0%		1,250		156,250					
01301		G13-1 2090/2965 SOUTH - 2790 EAST TO GRACE STREET (3100 E)	0%		2,100		262,500					
01301		G13-2 CREST OAK DRIVE (3880 E) - BROCKBANK DRIVE (4435 S) TO EAST CLIFF DRIVE (4395 S)	0%		1,068		141,180					
01301		G13-2 PIN OAK (3680 E) - OAKVIEW DRIVE (4275 S) TO SPRUCE DRIVE (4380 S)	0%		810		79,300					
01301		G13-2 PARK HILL DRIVE (3565 E) - EASTOAKS DRIVE (4450 S) TO FORTUNA WAY (4725 S)	0%		380		48,400					
01301		G13-2 FORTUNA WAY (4725 S) - PARK HILL DRIVE (3565 E) TO BROCKBANK DRIVE (3560 E)	0%		1,210		157,300					
01301		G13-3 200 EAST - 400 SOUTH TO 500 SOUTH (EAST SIDE)	0%		665		86,450					
01301		G13-3 MICHIGAN AVENUE (980 S) - 1300 EAST TO 1500 EAST	0%		1,035		212,550					
01301		G13-3 VIRGINIA STREET (1345 E) - CRESTLINE CIRCLE (350 N) TO FIFTH AVENUE (250 N)	0%		720		90,000					
01301		G13-4 HIDDEN OAKS DRIVE (3370 E) - RUSSELL PARK ROAD (8850 S) NORTH TO THE END OF THE STR	0%		1,290		163,800					
01301		G13-4 GRAND OAKS DRIVE (3465 E) - RUSSELL PARK ROAD (8879 S) TO RUSSELL PARK ROAD (8635 S)	0%		1,285		167,050					
01301		G13-4 SCANDIA WAY (8230 S) - NORDIC DRIVE (8200 S) - FINLANDIA WAY (3025 E) TO DANISH ROAD (31	0%		1,025		133,250					
01301		G13-4 SUPERNAL WAY (3815 E) - TOP OF THE WORLD DRIVE (3875 E) TO LORA LEE CIRCLE (8340 S)	0%		810		105,300					
01301		G12-5 BARBEY DRIVE (2800 S) - 2570 EAST TO 2700 EAST	0%		1,030		128,750					
01301		G12-5 WAINWRIGHT ROAD (2805 E) - BARBEY DRIVE (2800 S) TO 2650 SOUTH	0%		960		120,000					
01301		G12-5 DEVEREAUX WAY (2550 E) - WAINWRIGHT ROAD (2805 S) TO 2900 SOUTH	0%		750		98,750					
		VARIOUS	0%		453		104,470					
					18,906							
01301		G14-1 MORNINGSIDE DRIVE (4060 S) / 3075 E - DELSA DRIVE (3990 S) TO PINETREE DRIVE (2980 E)	0%		900		117,000					
01301		G14-1 ENCHANTED HILLS DRIVE (7510 S) - MAGIC HILLS DRIVE (3450 E) WEST TO END OF THE MAIN	0%		1,700		221,000					
01301		G14-1 MOUNTAIN ESTATES DRIVE (1355 E) - BENGAL BOULEVARD (7800 S) TO 7635 SOUTH	0%		1,160		143,000					
01301		G14-1 COUNTRY MANOR ROAD (7620 S) - 3500 EAST TO COUNTRY HOLLOW DRIVE (7510 S)	0%		1,160		150,000					
01301		G14-2 NEW STAR DRIVE (1785 W) - NORTH STAR DRIVE (300 N) SOUTH TO THE END OF THE STREET	0%		925		120,250					
01301		G14-2 SOUTH TEMPLE (T S) - 1000 WEST TO THE JORDAN RIVER (APPROX 1120 W)	0%		1,735		225,550					
01301		G14-2 BUCCANEER DRIVE (1180 W) - 1000 NORTH TO 1103 NORTH	0%		690		89,700					

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01301		G14-2 DUPONT AVENUE (1335 N) - AMERICAN BEAUTY DRIVE (1030 W) - 990 WEST	0%		520						87,800	
01301		G14-2 DULUTH AVENUE (1550 N) - 900 WEST TO DEXTER STREET (840 W)	0%		355						46,150	
01301		G14-2 900 WEST - DULUTH AVENUE (1550 N) TO 1500 NORTH	0%		295						39,350	
01301		G14-3 400 SOUTH - EMERY STREET (1170 W) TO APPROX. 1145 WEST (SOUTH SIDE MAIN)	0%		200						25,000	
01301		G14-3 400 SOUTH - GOSHEN STREET (1040 W) TO APPROX. 1130 WEST (NORTH SIDE MAIN)	0%		690						89,700	
01301		G14-4 7500 SOUTH - 3395 EAST TO 3500 EAST	0%		710						88,750	
01301		G14-4 AVONDALE DRIVE (3700 E) - 7500 SOUTH TO APPROX. 3623 EAST (END OF EXTENSION)	0%		890						115,700	
01301		G14-4 BISCAYNE DRIVE (2975 E) - BENGAL BOULEVARD (7500 S) TO OAKVIEW CIRCLE (7725 S)	0%		620						80,600	
01301		G14-4 2500 EAST - CHALET ROAD (8030 S) TO 8200 SOUTH	0%		1,340						174,200	
01301		G14-5 2700 EAST - 4215 SOUTH TO MAURICE DRIVE (4345 S)	0%		1460						189,900	
01301		G14-5 NORDIC DRIVE (8200 S) / SCANDIA WAY (8230 S) - FINLANDIA WAY (3025 E) TO DANISH ROAD (3100 E)	0%		1025						133,250	
01301		G14-5 4290 SOUTH (WELL HOUSE MAIN) - GLENNA DRIVE (2575 E) - TO 2700 EAST	0%		400						52,000	
01301		G14-6 U OF U - 22" WSP IN FRONT OF OSBORNE HALL NORTH THROUGH PARKING LOT	0%		800						250,000	
		VARIOUS	0%		3568						80,600	
					21,083							
<b>MASTER PLAN PROJECTS</b>												
01301	513301939	UPGRADE SYSTEM FOR FIRE PROTECTION - BIG COTTONWOOD	25%		9,259	2,000,000						
01301	513301940	UPGRADE SYSTEM FOR FIRE PROTECTION - GREEN DITCH	25%		6,944		1,500,000					
01301	513301977	BIG COTTON WOOD TANNER FIRE FLOW PHASE II				1,000,000						
01301	513500057	700 NORTH - EAST CAPITOL BLVD. TO EAST CAPITOL STREET - 12" MAIN	100%	1		40,000						
01301	513500058	300 NORTH INTERSECTION OF 300 N. & 200 WEST				20,000						
01301	2.8	VICTORY ROAD - ENSIGN DOWNS PHASE II	100%					270,000	2,400,000			
01301	3.9	VICTORY ROAD - ENSIGN DOWNS PHASE III	100%						1,000,000			
01301		PIPELINE FROM TERMINAL RESERVOIR TO 300 EAST ALONG I-80 (CONSULTANT)	100%	4								
01301	513301529	300 EAST - 3000 SOUTH TO 3900 SOUTH - PHASE I		4	4,840							
01301		MILL CREEK TREATMENT PLANT LINE - TANK TO WASATCH BLVD (34')	100%	4	3,000				1,100,000			
01301		CITY CREEK TREATMENT LINE TO MORRIS RESERVOIR (12' OR 18" MATCH EXISTING)	25%	2	2,000		100,000					
01301		FOOTHILL DRIVE (2100 E) - 900 SOUTH TO 1300 SOUTH		2	3,980							2,000,000
01301		WASTEWATER REUSE		4								10,000,000
01301		3RD EAST PHASE II - MARCUS TO ARTESIAN BASIN							2,000,000			
01301		3RD EAST PHASE III - MICK RILEY LINES							1,500,000			
						8,188,160	4,839,250	2,835,200	10,461,300	2,500,000	0	12,000,000
<b>TOTAL DISTRIBUTION MAINS &amp; HYDRANTS</b>						10,388,160	7,939,250	5,835,200	12,461,300	4,500,000	2,000,000	13,300,000
02201	513900059	WATER SERVICE CONNECTIONS - 2730.09				400,000	400,000	400,000	400,000	400,000	400,000	
01701	513900060	LARGE METER REPLACEMENTS				1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	
02401	513900061	SERVICE LINE REPLACEMENTS				400,000	400,000	400,000	400,000	400,000	400,000	
03201	513900062	SMALL METER PROGRAM				400,000	400,000	400,000	400,000	400,000	400,000	
03201	513900063	NEW SERVICE CONNECTIONS				400,000	400,000	400,000	400,000	400,000	400,000	
03201	513900063	WATER METER REPLACEMENT PROGRAM				500,000	100,000	100,000	500,000	500,000	500,000	
						3,500,000	3,100,000	3,100,000	3,500,000	3,500,000	3,500,000	0
00601		LANDSCAPING - 2730.20										
00601		CITY CREEK CANYON FIRE BREAK PROJECT					30,000					
00701		NORTH SALT LAKE FENCE AND GATE PROJECT					25,000					
00701		Rebuild back road between filters and coag		3			70,000					
00701		Landscaping north side of plant		3						50,000		
00801		Replace Asphalt in parking lot		2					100,000			
00801		Asphalt road to blow off box		2								
00801		Asphalt road to Mt. Dell Dam		3						10,000		
01701		ASPHALT SHOPS YARD					190,000					
01701		ASPHALT EMPLOYEE PARKING LOT					75,000					
00801		ASPHALT PARLEY'S PARKING LOT				50,000						
03201	51380030	TERRACE HILLS DEMONSTRATION GARDEN				19,000						
03201	51380038	CITY & COUNTY BLDG DEMONSTRATION GARDEN				30,000						
03201	51380014	ADMINISTRATION BUILDING - CONSERVATION IMPROVEMENTS										150,000
00801		NORTH SALT LAKE CITY BUICK AND RAIL FENCE					30,000					
						90,000	432,000	0	100,000	60,000	0	150,000
<b>TOTAL CAPITAL IMPROVEMENTS</b>						20,420,160	16,740,250	13,930,200	20,946,300	15,685,000	18,485,000	76,395,000
					REPLACING VEHICLE #							
02301	2750.10	AUTOMOBILES & TRUCKS										
02301		CANALS 1/4 TON 4 WHEEL DRIVE PICKUP			3079	35,000						
02301		CANALS 1/4 TON PICKUP EXT CAB				18,000						
02301		CUST CANYON PU			31030	25,000						
02301		CUST CANYON PU			31050	25,000						
02301		DIST 3/4 TON EXT CAB 4X4 LONG BED			3074	45,000						
02301		ELEC 1/4 TON PICKUP EXT CAB 4X4 W/SF			31070	35,000						
02301		ENG 1/4 TON PICKUP EXT CAB			3022	25,000						
02301		GIS 1/4 TON PICKUP EXT CAB				25,000						
02301		GIS 1/4 TON PICKUP EXT CAB				25,000						
02301		MAINT 10 WHEEL DUMP TRUCK			31026	130,000						
02301		MAINT 21/2 TON V&H TRUCK W/SERVICE BODY				150,000						
02301		MAINT 21/2 TON V&H TRUCK W/SERVICE BODY				150,000						
02301		MAINT 1/4 TON PICKUP EXT CAB			31076	25,000						

Salt Lake City Corporation  
 Department of Public Utilities  
**WATER CAPITAL IMPROVEMENT PROJECTS**  
**SIX YEAR PROPOSAL**  
 2010 thru 2015

Last Update  
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COST CENTER	PROJECT NUMBER	DESCRIPTION	GROWTH %	PRIORITY RATING	FEET OF PIPE	FISCAL YR 2009-10	FISCAL YR 2010-11	FISCAL YR 2011-12	FISCAL YR 2012-13	FISCAL YR 2013-14	FISCAL YR 2014-15	PROJECTS DELAYED
02301	MAINT	1/4 TON PICKUP EXT CAB			31051	25,000						
02301	READERS	CANYON PU			3661	25,000						
02301	READERS	CANYON PU			30860	25,000						
02301	TELEMETRY	3/4 TON 4X4 W/UTILITY BED			31090	35,000						
02301	CROSS	CANYON PU 4X4 EXT CAB	3022				21,500					
02301	SHED	1/4 TON PICKUP EXT CAB 4X4			3053	31,000	31,000					
02301	SHED	1/4 TON PICKUP EXT CAB 4X4			31010	31,000	31,000					
02301	DIST	1 TON DUMP	3035				35,000					
02301	DIST	1 TON C&C W/COMPRESSOR	3075				45,000					
02301	DIST	CANYON PU 4X4 EXT CAB	31052, 31053				43,000					
02301	ENG	CANYON PU 4X4 EXT CAB	3069				21,500					
02301	FLEET	1/2 TON PU 4X4 EXT CAB	31000				24,500					
02301	MAINT	2 1/2 TON V&H TRUCK W/SERVICE BODY	31025, 30900				300,000					
02301	MAINT	10 WHEEL DUMP TRUCK	31027, 31061				260,000					
02301	PARLEYS	CANYON PU 4X4 EXT CAB	3052				21,500					
02301	READERS	CANYON PU	3061, 3068				27,000					
02301	SHED	CANYON PU 4X4 EXT CAB	31010				21,500					
02301	SHED	1/2 TON PU 4X4 LONG BED	31019				23,000					
02301	SOURCE	1/2 TON PU 4X4 EXT CAB	31012				24,500					
02301		VARIOUS						1,200,000	1,200,000	1,200,000	1,200,000	
						875,000	930,000	1,200,000	1,200,000	1,200,000	1,200,000	0
	2750.30	FIELD MAINT EQUIPMENT - MOTIVE										
02301		1 TON BUCKET W/UTILITY BED 450F				100,000						
02301		BACKHOE EXCHANGE PROGRAM				80,000	80,000	80,000	80,000	80,000	80,000	
02301		BACKHOE 4X4	30890				171,000					
02301		VARIOUS IMPROVEMENTS						200,000	200,000	200,000	300,000	
						180,000	261,000	280,000	290,000	290,000	390,000	0
	2760.10	PUMP PLANT EQUIPMENT - WIP 2774.10										
02501	51420009	MT. OLY MOTOR CONTROL						80,000				
02501		DYER'S INN WELL (NEW MOTOR) DONE				27,000						
02501		UPPER ELLISON (AIR COOLING UNIT)						8,000				
02501		UPPER ELLISON (MOTOR REPLACEMENT)				50,000						
02501		45TH SOUTH PS (UPGRADE #1 - PUMP, MOTOR, VFD)					20,000					
02501		VARIOUS IMPROVEMENTS					100,000	100,000	100,000	100,000	100,000	
						77,000	120,000	188,000	100,000	100,000	100,000	0
	2760.20	TREATMENT PLANT EQUIPMENT - WIP 2774.10										
01801		SECURITY SYSTEM UPGRADE					45,000					
01801		ON-LINE INSTRUMENTATION					50,000					
01801	51410093	TREATMENT PLANT PREVENTITIVE MAINTENANCE PROGRAM					100,000					
01801		HYPOCHLORIDE CONTAINMENT- PARLEYS					800,000					
01801		KINWA FEEDER REPLACEMENT						80,000				
01801		FLASH MIXERS							50,000			
01801		REPLACE ENTRANCE GATES AT LOWER END OF PLANT							15,000			
01801		SAMPLING SITES IN DISTRIBUTION SYSTEM							150,000			
01301		REPLACEMENT OF HYDROLAB FIELD WQ EQUIPMENT AND MISCELLANEOUS FIELD ANALYZERS					50,000					
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				25,000	
00701		MAG METER ON DISTRIBUTION LINES					50,000					
00901		FINISHED WATER MEASURING DEVICE					30,000					
01801		VARIOUS						200,000	200,000	200,000	200,000	
						796,000	236,000	200,000	415,000	215,000	225,000	0
	2760.30	TELEMETRY EQUIPMENT										
01501		TELEMETRY IMPROVEMENTS				50,000		50,000	50,000	50,000	50,000	
00101		IRRIGATION SCADA SYSTEM - PHASE I & II				50,000						
01801		WATER QUALITY PROGRAM				100,000						
01801		SCADA SYSTEM REPLACEMENT					250,000					
						200,000	250,000	50,000	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	30,000	
03201		BILLING SYSTEM UPGRADE				150,000	150,000					
03201		VARIOUS						50,000	50,000	50,000	50,000	
						195,000	180,000	80,000	80,000	80,000	80,000	0
	2760.60	OTHER NON-MOTIVE EQUIPMENT										
01501		NEW RADIOS				20,000	20,000	20,000	20,000	20,000	20,000	
01401	7 TRUCKS	HYDRAULIC VALVE RUNNER AND COMPUTERIZED CONTROLS					58,000					
01701		EMERGENCY PIPING					50,000	50,000	50,000	50,000	50,000	
01501		METROTECH 8100X LOCATOR				5,300						
01601		HP Plotter				8,000						
01601		LEAK DETECTION LOGGERS				15,000						
01601		HANDHELD METER READING DEVICES				20,000	20,000				20,000	

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Salt Lake City Corporation  
 Department of Public Utilities  
**WATER CAPITAL IMPROVEMENT PROJECTS**  
**SIX YEAR PROPOSAL**  
 2010 thru 2015

Last Update  
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COST CENTER	PROJECT NUMBER	DESCRIPTION	GROWTH %	PRIORITY RATING	FEET OF PIPE	FISCAL YR 2009-10	FISCAL YR 2010-11	FISCAL YR 2011-12	FISCAL YR 2012-13	FISCAL YR 2013-14	FISCAL YR 2014-15	PROJECTS DELAYED
01701		VARIOUS						50,000				
01701		TRENCH BOXES					20,000		50,000	50,000	50,000	
02801		GPS VEHICLE MANAGEMENT / TRACKING SYSTEM				25,000						400,000
03201		HOSE REEL SYSTEM				82,000						
						175,300	189,000	120,000	120,000	120,000	140,000	400,000
		<b>TOTAL CAPITAL OUTLAY</b>				<b>2,507,300</b>	<b>2,145,000</b>	<b>2,128,000</b>	<b>2,255,000</b>	<b>2,055,000</b>	<b>2,185,000</b>	<b>400,000</b>
		<b>TOTAL CAPITAL</b>				<b>22,927,460</b>	<b>18,885,250</b>	<b>16,058,200</b>	<b>23,201,300</b>	<b>17,740,000</b>	<b>20,670,000</b>	<b>76,795,000</b>

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**SEWER UTILITY  
ENTERPRISE FUND  
BUDGET SUMMARY  
FY 2011-13**

<b>SOURCES</b>			Rate increase : 4.5%		Rate increase : 4%		Rate increase : 4%	
	ACTUAL 2008-09	AMENDED BUDGET 2009-10	PROJECTED ACTUAL 2009-10	PROPOSED BUDGET 2010-11	FORECAST BUDGET 2011-12	FORECAST BUDGET 2012-13		
<b>REVENUES</b>								
METERED SALES	\$ 17,080,740	\$16,500,000	\$16,500,000	\$17,242,500	\$17,932,200	\$18,649,488		
INTEREST INCOME	741,524	250,000	250,000	250,000	175,000	100,000		
OTHER REVENUES	393,913	220,000	220,000	205,000	205,000	205,000		
<b>TOTAL REVENUES</b>	<b>\$ 18,216,177</b>	<b>\$ 16,970,000</b>	<b>\$ 16,970,000</b>	<b>\$ 17,697,500</b>	<b>\$ 18,312,200</b>	<b>\$ 18,954,488</b>		
<b>OTHER SOURCES</b>								
IMPACT FEES	691,014	350,000	350,000	350,000	200,000	200,000		
GRANTS & OTHER RELATED REVENUES	807,998	500,000	500,000	500,000	500,000	500,000		
OTHER SOURCES	11,921	10,000	10,000	20,000	20,000	20,000		
STIMULUS GRANT	-	-	1,000,000	3,000,000	2,300,000	-		
BOND PROCEEDS	-	-	-	10,000,000	-	-		
<b>TOTAL OTHER SOURCES</b>	<b>1,510,933</b>	<b>860,000</b>	<b>1,860,000</b>	<b>13,870,000</b>	<b>3,020,000</b>	<b>720,000</b>		
<b>TOTAL SOURCES</b>	<b>\$19,727,110</b>	<b>\$17,830,000</b>	<b>\$18,830,000</b>	<b>\$31,567,500</b>	<b>\$21,332,200</b>	<b>\$19,674,488</b>		
<b>EXPENSES &amp; OTHER USES</b>								
<b>EXPENDITURES</b>								
PERSONAL SERVICES	\$8,055,901	\$6,764,583	\$6,764,583	\$6,953,632	\$7,023,170	\$7,093,401		
OPERATING & MAINTENANCE	984,223	1,221,310	1,221,310	1,205,310	1,229,416	1,253,997		
TRAVEL & TRAINING	26,203	46,294	46,294	36,294	37,020	37,760		
UTILITIES	580,235	877,198	877,198	849,698	866,691	884,024		
PROF & CONTRACT SERVICES	1,351,868	1,653,250	1,653,250	1,668,750	1,702,125	1,736,167		
DATA PROCESSING	196,050	208,200	208,200	248,200	253,164	258,228		
FLEET MAINTENANCE	387,297	290,000	290,000	300,000	306,000	312,120		
ADMINISTRATIVE SERVICE FEE	149,804	132,500	132,500	220,000	224,400	228,888		
PAYMENT IN LIEU OF TAXES	368,706	369,000	369,000	312,000	318,240	324,605		
OTHER CHARGES AND SERVICES	(250,091)	(36,495)	(36,495)	41,305	42,131	42,972		
<b>TOTAL EXPENDITURES</b>	<b>9,850,196</b>	<b>11,525,840</b>	<b>11,525,840</b>	<b>11,835,189</b>	<b>12,002,357</b>	<b>12,172,162</b>		
<b>OTHER USES</b>								
CAPITAL OUTLAY	725,563	2,499,100	2,299,100	2,244,500	1,739,000	1,308,000		
CAPITAL IMPROVEMENT BUDGET	3,127,174	21,945,100	14,845,100	24,490,500	9,195,200	10,105,000		
DEBT SERVICES	1,839,688	1,935,000	1,935,000	2,935,000	3,235,000	3,235,000		
<b>TOTAL OTHER USES</b>	<b>5,692,425</b>	<b>26,379,200</b>	<b>19,079,200</b>	<b>29,670,000</b>	<b>14,169,200</b>	<b>14,648,000</b>		
<b>TOTAL USES</b>	<b>\$15,542,621</b>	<b>\$37,905,040</b>	<b>\$30,605,040</b>	<b>\$41,505,189</b>	<b>\$26,171,557</b>	<b>\$26,820,162</b>		
<b>EXCESS REVENUE AND OTHER SOURCES OVER (UNDER) USES</b>								
	<b>\$4,184,489</b>	<b>(\$20,075,040)</b>	<b>(\$11,775,040)</b>	<b>(\$9,937,689)</b>	<b>(\$4,839,357)</b>	<b>(\$7,145,674)</b>		
<b>OPERATING CASH BALANCES</b>								
BEGINNING JULY 1	\$ 33,778,021	\$ 37,962,510	\$ 37,962,510	\$ 26,187,470	\$ 16,249,781	\$ 11,410,424		
ENDING JUNE 30	\$ 37,962,510	\$ 17,887,470	\$ 26,187,470	\$ 16,249,781	\$ 11,410,424	\$ 4,264,750		
Cash Reserve Ratio	385%	155%	227%	137%	95%	35%		
<b>Cash reserve goal above 10%</b>								

**SEWER UTILITY  
CASH FLOW**

	CURRENT YEAR 2008-2009	BUDGET YEAR 2009-20010	BUDGET YEAR 2010-2011	BUDGET YEAR 2011-2012	BUDGET YEAR 2012-2013	BUDGET YEAR 2013-2014	BUDGET YEAR 2014-2015
SEWER SALES	17,056,970	16,500,000	17,242,500	17,932,200	18,649,488	19,395,468	20,171,286
OTHER INCOME	429,604	220,000	225,000	225,000	225,000	225,000	225,000
INTEREST INCOME	741,524	250,000	250,000	175,000	100,000	100,000	100,000
OPERATING INCOME	18,228,098	16,970,000	17,717,500	18,332,200	18,974,488	19,720,468	20,496,286
OPERATING EXPENSES	(9,850,196)	(11,525,840)	(11,835,189)	(12,002,357)	(12,172,162)	(12,344,672)	(12,519,918)
NET INCOME EXCLUDING DEP.	8,377,902	5,444,160	5,882,311	6,329,843	6,802,326	7,375,796	7,976,368
IMPACT FEES	691,014	350,000	350,000	200,000	200,000	200,000	200,000
BOND PROCEEDS	0	1,000,000	13,000,000	2,300,000	0	0	0
OTHER CONTRIBUTIONS	807,998	510,000	500,000	500,000	500,000	500,000	500,000
CAPITAL OUTLAY	(725,563)	(2,299,100)	(2,244,500)	(1,739,000)	(1,308,000)	(1,589,000)	(1,308,000)
ADDITIONAL DEBT SERVICE			(1,000,000)	(1,300,000)	(1,300,000)	(1,300,000)	(1,300,000)
DEBT SERVICE	(1,839,688)	(1,935,000)	(1,935,000)	(1,935,000)	(1,935,000)	(1,935,000)	(1,935,000)
OTHER INCOME & EXPENSE	(1,066,239)	(2,374,100)	8,670,500	(1,974,000)	(3,843,000)	(4,124,000)	(3,843,000)
AVAILABLE FOR CAPITAL	7,311,663	3,070,060	14,552,811	4,355,843	2,959,326	3,251,796	4,133,368
CAPITAL IMPROVEMENTS	(3,127,174)	(14,845,100)	(24,490,500)	(9,195,200)	(10,105,000)	(10,085,000)	(8,435,000)
CASH INCREASE/(DECREASE)	4,184,489	(11,775,040)	(9,937,689)	(4,839,357)	(7,145,674)	(6,833,204)	(4,301,632)
BEGINING CASH BALANCE	33,778,021	37,962,510	26,187,470	16,249,781	11,410,424	4,264,750	(2,568,454)
CASH INCREASE/(DECREASE)	4,184,489	(11,775,040)	(9,937,689)	(4,839,357)	(7,145,674)	(6,833,204)	(4,301,632)
ENDING BALANCES	\$37,962,510	\$26,187,470	\$16,249,781	\$11,410,424	\$4,264,750	(\$2,568,454)	(\$6,870,086)
	0						
RATE CHANGE	0.00%	0.00%	4.50%	4.00%	4.00%	4.00%	4.00%
ANNUAL RESIDENTIAL SEWER BILL (1990=\$76.80)	130.50	130.50	136.37	141.83	147.50	153.40	159.53
Cash Reserve Ratio	385%	227%	137%	95%	35%	-21%	-55%
Impact Fee per ERU	500	500	500	500	500	500	500
Number of ERU connections	1,382	700	700	400	400	400	400
Debt Service Coverage	4.55	2.81	3.04	3.27	2.10	2.28	2.47

Salt Lake City Corporation  
Department of Public Utilities  
**SANITARY SEWER CAPITAL IMPROVEMENT PROJECTS**  
SIX YEAR PROPOSAL  
2010 thru 2015

Last Update  
2/18/2010

PROJECT ENTER	PROJECT NUMBER	PROJECT DESCRIPTION	GROWTH %	PRIORITY RATING	FEET OF PIPE	FISCAL YR 2009-2010	FISCAL YR 2010 - 2011	FISCAL YR 2011 - 2012	FISCAL YR 2012 - 2013	FISCAL YR 2013 - 2014	FISCAL YR 2014 - 2015	PROJECTS DELAYED
	271010	LAND										
12201		LAND										
						0	0	0	0	0	0	0
	2772.10	MAINTENANCE & REPAIR SHOPS - 2720.10										
11201		PLANT SECURITY SYSTEM		Important			125,000					
11201		EAST MAINTENANCE HVAC		Important			150,000					
11201	524905524	NEW ROOF & AVAC FOR LAB BUILDING		Important			340,000					
11201		ADMINISTRATIVE BUILDING EXTENSION		Desirable								900,000
11201		REROOF AND PAINTING OF DIGESTER CONTROL BUILDING		Desirable						150,000		
11201		REHAP OPERATION BUILDING		Important			300,000					
11201		REPLACE NATURAL GAS LINE		Important			60,000	600,000				
						0	975,000	600,000	0	150,000	0	900,000
	2772.10	LIFT STATIONS - 2720.05										
10101		PUMP REPLACEMENT				50,000	50,000	50,000	50,000	50,000	50,000	
10101		700 SOUTH LIFT STATION UPGRADE										1,700,000
10101		WRIGHT BROTHERS DRIVE AMELIA EARHART DRIVE (350 N) LIFT STATION PUMP REPLACEMENT					110,000					
						50,000	160,000	50,000	50,000	50,000	50,000	1,700,000
	2772.10	TREATMENT PLANTS - 2720.30										
11201	524905215	ODOR CONTROL		Important		200,000	300,000					
11201	524905207	SEISMIC UPGRADE		Important		100,000	100,000		100,000			
11201	524905231	CLARIFIER REBUILD (ONE UNIT PER YEAR)		Important		35,000	35,000	35,000	35,000	35,000	35,000	
11201	524905228	UPGRADE SCADA		Important		250,000	250,000					
11201	524905232	DIGESTER GAS HOLDER REPLACEMENT AND WALL REPAIR		Bond Important		2,000,000	5,500,000	500,000				
11201	524905233	PRIMARY SLUDGE SCREEN EQUIPMENT REPLACEMENT - ROTO STEP REBUILD		Important				50,000	450,000			
11201	524905241	TREATMENT PLANT PUMP STATION		Important		50,000	50,000					
11201		REPLACE LIGHTS AT PUMP STATION		Important		40,000						
11201		CONDITIONAL ASSESSMENT OF RAG RAKE BUILDING		Important		50,000						
11201		HYDRAULIC ANALYSIS OF THE TRICKLING FILTER PUMP STATION		Important		35,000						
11201		INSTALLATION OF WEIRS AND BAFFLES FOR SECONDARY CLARIFIERS 5 & 6		Important		500,000	500,000					
11201		DOOR REPLACEMENT - 10 PER YEAR FOR THREE YEARS		Important		50,000	50,000	50,000				
11201	524905187	COGEN		Important								
11201	524905236	BIO SOLIDS STUDY		Important		100,000						
11201	524905203	SECONDARY TREATMENT EXPANSION		Important		1,262,000						
11201		PRIMARY CLAIRIFIER		Desirable				350,000	3,500,000			
11201		MECHANICAL DEWATERING SYSTEM		Desirable						500,000	4,300,000	
11201	524905197	ELECTRIC GATE ACTUATOR		Desirable				50,000				
11201	524905237	ALTERNATIVE DISINFECTION SYSTEM STUDY		Desirable		5,000					750,000	13,000,000
11201	524905238	FIBER OPTIC DESIGN REVIEW & RECOMMENDATION		Important		5,000						
11201	524905187	IRON SPONGE		Important		367,100						
11201		H2S MITIGATION STUDY		Important			60,000					
11201		H2S MITIGATION PROGRAM		Important				2,324,200				
11201		Expand Influent Screens		Desirable								7,800,000
11201		Gate Repair at Chlorine Contact Basin		Important			765,000					
11201		Install structural bracing in the Grit Chambers		Important			100,000					
11201		Installation of New Aeration Blower (First Expansion)		Desirable			0					
11201		Installation of New Aeration Blower (Second Expansion)		Desirable			0					
11201		Replace Heat Tracing on Grease Lines		Important			30,000					
11201		Replacement of Grit Channel Air Piping		Important			70,000					
11201		SCADA AND ELECTRICAL IMPROVEMENTS		Desirable			0		3,000,000	3,000,000		
11201		WAS Mechanical Thickening		Desirable			0					4,300,000
11201		WWTP FACILITIES PLAN		Important				300,000				

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PROJECT ENTER	PROJECT NUMBER	PROJECT DESCRIPTION	GROWTH %	PRIORITY RATING	FEET OF PIPE	FISCAL YR 2009-2010	FISCAL YR 2010 - 2011	FISCAL YR 2011 - 2012	FISCAL YR 2012 - 2013	FISCAL YR 2013 - 2014	FISCAL YR 2014 - 2015	PROJECTS DELAYED
11201		Evaporative Coolers for Cogen Hydrogen Sulfide Control		Important			330,000					
							60,000			2,350,000		
						5,049,100	8,200,000	3,659,200	7,085,000	5,885,000	5,085,000	25,100,000
10401	2773.10	COLLECTION LINES - 2730.14										
		CITY, COUNTY, STATE AND MISC. DRIVEN PROJECTS										
10401	525001707	GLADIOLA STREET (2900 W) - 500 SOUTH TO 1820 SOUTH (PN 103007)		Important	10,032	350,000	1,000,000					2,000,000
10401		900 EAST - 900 SOUTH TO 2100 SOUTH (MISC REPAIRS NECESSARY) APPROX. 400LF		Important	5,300	215,000						
10401	525002398	NORTH TEMPLE ON ORANGE ST		Important		330,000						
10401	525002399	ORANGE ST 42 INCH ACROSS NORTH TEMPLE		Important		300,000						
10401	525002401	ORANGE ST NORTH TEMPLE TO PRE-TREATMENT PLANT	Bond	Important		500,000	10,000,000					
10401	525002297	1300 EAST - SOUTH TEMPLE TO 500 SOUTH		Important					20,000			
		OTHER PROJECTS			15,332	1,695,000	11,000,000	0	20,000	0	0	2,000,000
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	
10601		CLEAN LARGE DIAMETER TRUNK LINES					500,000	500,000				
						800,000	1,300,000	1,300,000	800,000	800,000	800,000	0
		REPLACE VARIOUS COLLECTION LINES										
10401	525002405	NORTH TEMPLE - 600 WEST TO AIRPORT SEWER REPAIRS AND CIPP		5		800,000	1,000,000					
10401	525002406	2300 EAST - WILMINGTON CIR TO 2100 SOUTH		5	1,180	-	100,000					
10401	525002409	1200 WEST - 225 SOUTH TO 285 SOUTH		5	145	-	75,000					
10401	525002410	SIMPSON AVENUE - 1300 EAST TO HIGHLAND DRIVE, 1300 EAST - SIMPSON AVE TO		5	2,230	-	60,000					
10401	525002411	500 NORTH - 1040 WEST TO 1100 WEST SEC SOUTH SIDE		5	380	-	36,000					
10401	525002412	1100 EAST - 400 SOUTH TO 500 SOUTH (WEST SIDE)		5	670	-	25,000					
10401	525002413	BRYAN AVENUE - 1700 EAST TO 1800 EAST		5	805	-	67,000					
10401	525002414	4TH AVENUE - "A" STREET TO CANYON ROAD		5	650	-	20,000					
10401	525002415	100 SOUTH - 840 EAST TO 800 EAST (SOUTH SIDE)		5	720	-	18,000					
10401	525002416	300 SOUTH 400 WEST - NEC TO RIO GRANDE		5	464	-	16,000					
10401	525002417	1100 EAST - LAIRD (1205 S) TO 1300 SOUTH		5	394	-	13,000					
10401	525002418	400 SOUTH - UNIVERSITY STREET (1340 E) TO 1300 EAST (NORTH SIDE)		5	376	-	13,000					
10401	525002419	2000 EAST - 1841 SOUTH TO 1895 SOUTH		5	384	-	11,000					
10401	525002420	700 EAST - 2622 SOUTH TO 2700 SOUTH		5	320	-	8,500					
10401	525002420	EASEMENT 1422 SOUTH - BEACON DRIVE TO 2300 EAST		5	293	-	8,000					
10401	525002421	1500 SOUTH - 2700 WEST TO REDWOOD ROAD PIPE REPLACEMENT - DESIGN MP 7A		4	5,200	-	150,000					
10401	525002424	900 EAST - 2986 SOUTH TO 2700 SOUTH		4	1,944	-	245,000					
10401	525002425	700 SOUTH - 4700 WEST TO 4600 WEST (NORTH SIDE) 42" PIPE		4	277	-	200,000					
10401	525002426	900 WEST - 1017 SOUTH TO FAYETTE AVENUE (975 S)		4	356	-	160,000					
10401	525002427	800 SOUTH - 239 EAST TO 200 EAST (NORTH SIDE)		4	230	-	130,000					
10401	525002423	1500 SOUTH - 2700 WEST TO REDWOOD ROAD CONSTRUCTION MP 7A		4	5,300	-		2,200,000				
10401		ELGIN AVENUE - 800 EAST TO 900 EAST		4	835	-	95,000					
10401		700 NORTH 1-15 BYPASS PIPE (APPROX 725 WEST)		4	360	-	80,000					
10401		LINCOLN STREET - 2020 SOUTH TO 2098 SOUTH		4	485	-	75,000					
10401		700 WEST - 250 NORTH TO 300 NORTH (WEST SIDE)		4	470	-	70,000					
10401		BRYAN AVENUE - 1700 EAST TO 1800 EAST		4	1,645	-	67,000					
10401		700 SOUTH - #40 WEST TO STATE STREET (SWC SOUTH SIDE)		4	385	-	65,000					
10401		2200 WEST - 600 NORTH TO 700 NORTH		4	680	-	60,000					
10401		CRANDALL AVENUE - 900 EAST TO 1087 EAST		4	1,463	-	55,000					
10401		CHARLTON AVENUE - 1168 EAST TO 1100 EAST		4	380	-	50,000					
10401		INDEPENDENCE BLVD. MIAMI ROAD		4	75	-	46,000					
10401		700 SOUTH - #5 WEST TO 300 WEST (NORTH SIDE)		4	720	-	45,000					
10401		HARRISON AVENUE - 1300 EAST TO 1600 EAST		4	1,610	-	45,000					
10401		HARRISON AVENUE - 1800 EAST TO 1850 EAST		4	880	-	45,000					
10401		100 SOUTH - 600 EAST TO 470 EAST (SOUTH SIDE)		4	820	-	42,000					
10401		300 SOUTH - 600 TO 800 EAST (SOUTH SIDE)		4	1,600	-	42,000					
10401		SUNNYSIDE AVENUE - 1746 EAST TO 1864 EAST		4	823	-	42,000					

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PROJECT ENTER	PROJECT NUMBER	PROJECT DESCRIPTION	GROWT %	PRIORIT Y RATING	FEET OF PIPE	FISCAL YR 2009-2010	FISCAL YR 2010 - 2011	FISCAL YR 2011 - 2012	FISCAL YR 2012 - 2013	FISCAL YR 2013 - 2014	FISCAL YR 2014 - 2015	PROJECTS DELAYED
10401		1200 EAST - 400 SOUTH TO 500 SOUTH (WEST SIDE)		4	675	-	-	40,000				
10401		500 EAST - 500 SOUTH TO 600 SOUTH (EAST SIDE)		4	720	-	-	40,000				
10401		ELIZABETH STREET - CONDOS WEST SIDE 2570 SOUTH TO 2560 SOUTH		4	140	-	-	40,000				
10401		ALLEY EAST OF 1300 EAST - 150 SOUTH TO 100 S EAST SIDE IN YARDS		4	377	-	-	35,000				
10401		CHICAGO STREET - 446 NORTH TO 500 NORTH		4	342	-	-	35,000				
10401		1800 EAST - RAMONA AVENUE TO 2100 SOUTH		4	1,180	-	-	33,000				
10401		PARK STREET - 2310 SOUTH TO 2346 SOUTH		4	350	-	-	33,000				
10401		1600 EAST - DOWNINGTON AVENUE TO WILSON AVENUE		4	382	-	-	32,000				
10401		CHARLTON AVENUE - HIGHLAND DRIVE TO 1100 EAST (RODDING ROUTE PROVIDE		4	-	-	-	25,000				
10401		DOWNINGTON AVENUE - 1700 EAST TO 1800 EAST		4	752	-	-	25,000				
10401		1200 EAST - 400 SOUTH TO 500 SOUTH (WEST SIDE)		4	670	-	-	23,000				
10401		900 EAST - 600 SOUTH TO 700 SOUTH (EAST SIDE)		4	715	-	-	22,000				
10401		700 SOUTH - 700 EAST TO 736 EAST (SOUTH SIDE)		4	406	-	-	20,000				
10401		MARION STREET - 444 NORTH TO 500 NORTH		4	320	-	-	20,000				
10401		SHERIDAN ROAD - 1970 EAST TO 2010 EAST		4	666	-	-	18,000				
10401		MAIN STREET - 1739 SOUTH TO 1705 SOUTH (EAST SIDE)		4	327	-	-	12,500				
10401		100 SOUTH - 840 EAST TO 800 EAST (SOUTH SIDE)		4	358	-	-	8,500				
10401		GARFIELD AVENUE - 1500 EAST TO 1900 EAST		3	3,071	-	-					75,000
10401		300 SOUTH - 600 EAST TO 800 EAST (SOUTH SIDE)		3	1,466	-	-					42,000
10401		500 EAST - 500 SOUTH TO 600 SOUTH (EAST SIDE)		3	720	-	-					38,000
10401		1500 EAST - 2828 SOUTH TO 2800 SOUTH		3	310	-	-					35,000
10401		1600 EAST - RAMONA AVENUE TO 2100 SOUTH		3	1,180	-	-					32,000
10401		1700 EAST - HARVARD AVENUE TO 1256 SOUTH		3	880	-	-					26,000
10401		900 EAST - 700 SOUTH TO 800 SOUTH (WEST SIDE)		3	715	-	-					22,000
10401		1300 EAST - SIMPSON AVENUE TO 2265 SOUTH		3	660	-	-					20,000
10401		ALLEY WEST OF 900 EAST - 950 SOUTH TO 900 SOUTH		3	333	-	-					20,000
10401		3230 WEST - 1820 SOUTH TO 1670 SOUTH REPLACEMENT		3	1,100	-	-					434,408
10401		400 SOUTH - 400 WEST TO REG GRANDE (NORTH SIDE)		3	375	-	-					9,500
10401		500 SOUTH AND 1500 EAST - 16" PLUG VALVE		3	-	-	-					100,000
10401		700 SOUTH - 4650 WEST TO GLADIOLA REPLACEMENT		3	9,000	-	-					9,682,200
10401		500 SOUTH - GLADIOLA STREET TO ORANGE STREET, PIPE REPLACEMENT		3	7,000	-	-					8,746,988
10401		STATE STREET 500 SOUTH DIVERSION PIPE DOWNSTREAM OF DIVERSION		3	3,400	-	-					1,922,063
10401		500 SOUTH INTERCEPTOR - ORANGE STREET TO 1000 WEST - DESIGN STUDY MP		3	7,000	-	-		100,000	1,200,000		1,178,100
10401		STATE STREET 500 SOUTH DIVERSION IMPROVEMENT		3	-	-	-					270,000
10401		GUARDSMAN WAY INTERCEPTOR MP 5		3	-	-	-					63,500
10401		500 SOUTH INTERCEPTOR -ORANGE STREET TO 1000 WEST CONSTRUCTION MP		3	7,000	-	-					7,800,000
10401		900 EAST - 2820 TO 2920 SOUTH		3	860	-	-					500,000
10401	524905239	MANHOLE REHABILITATIONS				500,000		500,000				
10401	52490750	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						
10401		STATE STREET - BELMONT AVENUE TO WILLIAMS AVENUE (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 AVENUE TO 33' NORTH			380	35,000						
10401		STATE STREET - 800 SOUTH TO 900 SOUTH (WESTSIDE 800 TO 850 S EAST SIDE 850 TO 900 S)			705	21,000						
10401	525002208	AIRPORT ROAD 3700 WEST (490 N TO 600 N)			310	12,000						
10401	525002356	ZENITH AVENUE - 1186 EAST TO 1246 EAST			305	7,500						
10401		COLORADO STREET - 1200 NORTH TO GOODWIN AVENUE (1150 NORTH)			230	110,000						
10401		VIRGINIA STREET - SOUTH TEMPLE TO PERRY AVENUE			320	10,000						
10401		700 WEST (WARM SPRINGS) - 745 NORTH TO 780 NORTH			385	14,000						
10401	525002309	700 SOUTH - STATE STREET TO #50 EAST			450	340,000						
10401		AMERICAN AVENUE - 1400 WEST TO PUEBLO STREET			375	12,000						
10401		CRYSTAL AVENUE - 2114 EAST TO STRATFORD AVENUE			325	8,000						
10401	525002366	IOLA STREET (200 SOUTH) - NAVAJO STREET TO CONCORD STREET			625	20,000						
10401		200 WEST - 500 SOUTH TO 600 SOUTH (WEST SIDE)			670	16,000						
10401		200 WEST - 500 SOUTH TO 600 SOUTH (EAST SIDE)			670	16,000						
10401		STEWART STREET - 1218 SOUTH TO 1244 SOUTH			350	8,500						
10401	525002368	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 940 SOUTH			535	90,000						

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10401		400 NORTH - 900 WEST TO 1000 WEST (NORTH SIDE)			665	35,000						
10401		200 NORTH - 580 WEST TO 500 WEST (NORTH SIDE)			200	115,000						
10401	525002348	"U" STREET - 1ST AVENUE TO SOUTH TEMPLE			389	27,000						
10401	525002371	CHADWICK STREET - 2771 SOUTH TO 2800 SOUTH AND EASEMENT CHADWICK TO DEARBORNE			595	15,000						
10401	525002372	1800 EAST - 2240 SOUTH TO 2332 SOUTH			720	19,000						
10401		200 SOUTH - 900 EAST TO 1000 EAST (NORTH SIDE)			726	19,000						
10401		400 NORTH - 900 WEST TO 1200 WEST (NORTH SIDE)			2,065	67,000						
10401	525002331	HARVARD AVENUE (1125) SOUTH - 1800 EAST TO 1900 EAST			735	19,000						
10401	525002335	CORNELL CIRCLE (1733E 1300 S)			485	13,000						
10401		400 WEST - 100 NORTH TO 140 NORTH (WEST SIDE)			365	190,000						
10401		400 NORTH - 1000 WEST TO 1200 WEST (SOUTH SIDE)			777	80,000						
10401		200 NORTH - 600 WEST TO 500 WEST (NORTH SIDE)			200	115,000						
10401		1800 NORTH REPLACEMENT PROJECT				3,000,000						
10401	524905240	CIPP REHAB 1365 WEST 2300 NORTH				27,000						
10401	525002060	EASEMENT AT 750 SOUTH				27,000						
10401	525001944	400 WEST BETWEEN 100 SOUTH & NORTH TEMPLE (EAST SIDE)				27,000						
10401	525002072	BELMONT AVENUE - 130 EAST TO 300 EAST				27,000						
10401	525002125	VINE STREET - CENTER STREET TO 300 NORTH				27,000						
10401	525002199	900 SOUTH - 700 EAST TO 950 SOUTH				27,000						
10401	525002221	300 SOUTH - 600 EAST TO 800 EAST				27,000						
10401	525002267	APRICOT AV NORTH MAIN ST TO CENTER ST AND GIRARD AVE				27,000						
10401	525002271	NAVAJO ST FROM 300 S TO 400 S				27,000						
10401	525002278	NORTH STATE ST - NORTH TEMPLE TO 300 NORTH				27,000						
10401	525002281	500 EAST 900 S TO 1300 SOUTH				27,000						
10401	525002283	400 E 800 S TO 900 S				27,000						
10401	525002288	ALLEY NORTH OF SIMONDI AVE				27,000						
10401	525002294	BROWNING AVE 1400S				27,000						
10401	525002295	1500 E 1320 S TO HARRISON AVE				27,000						
10401	525002297	1300 E SOUTH TEMPLE TO 250 S				27,000						
10401	525002299	900 S GLENDALE ST TO 1164 W				27,000						
10401	525002306	ALLEY AT 900 E BROWNING AVE TO HARRISON AVE				27,000						
10401	525002307	800 E 500 S TO 600 S				27,000						
10401	525002312	HARVARD AVE 1300 E TO 1500 S				27,000						
10401	525002314	NORMADDIE CIR HARVARD AVE TO CIR TERMINUS				27,000						
10401	525002315	P RINCETON AVE 1500 E TO 1800 EAST				27,000						
10401	525002316	HARVARD AVE 1500 E 1800 EAST				27,000						
10401	525002317	YALE AVE 1700 EAST TO 1900 EAST				27,000						
10401	525002318	HERBERT AVE 1700 EAST TO 1900 EAST				27,000						
10401	525002319	MILITARY DR YALECREST AVE TO 900 SOUTH				27,000						
10401	525002323	EASEMENT AT 700 W 500 N TO 600 N				27,000						
10401	525002330	ALLEY WEST OF 900 E				27,000						
10401	525002336	HARFORD ST 2700 S TO ATKIN AVE				27,000						
10401	525002339	SLC INTERN. AIRPORT				28,000						
10401	525002341	400 N MAIN ST. TO CENTER ST				26,000						
10401	525002344	POST ST 300 S TO 400 S				27,000						
10401	525002376	1800 N BECK ST TO PRE-TREATMENT PLANT				50,000						
10401	52510004	SEWER MASTER PLAN AND CONDITION STUDY				400,000						
10401		900 WEST DIVERSION STRUCTURE - 400 SOUTH TO 600 SOUTH										1,000,000
10401		500 SOUTH STATE STREET DIVERSION MODIFICATIONS										500,000
10401		NORTHWEST QUADRANT / TREATMENT PLANT (4700 WEST)										300,000
10401	525001662	1300 WEST BETWEEN 300 NORTH & WWTP (THOMPSON-HYSELL ENGINEERING)									500,000	10,000,000
10401	525002072	NORTHWEST OIL DRAIN REMEDIATION STUDY										
		VARIOUS LINE REPLACEMENT							2,000,000	2,000,000	2,000,000	
						7,251,000	2,855,500	3,586,000	2,100,000	3,200,000	2,500,000	42,816,759
		<b>TOTAL COLLECTION LINES</b>				<b>9,746,000</b>	<b>15,155,500</b>	<b>4,886,000</b>	<b>2,920,000</b>	<b>4,000,000</b>	<b>3,300,000</b>	<b>44,816,759</b>

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	2730.20	LANDSCAPING - WIP 52-10401-2773.10										
11201	524905219	ASPHALTING							50,000			
		Total Landscaping				0	0	0	50,000	0	0	0
<b>TOTAL CAPITAL IMPROVEMENTS</b>						<b>14,845,100</b>	<b>24,490,500</b>	<b>9,195,200</b>	<b>10,105,000</b>	<b>10,085,000</b>	<b>8,435,000</b>	<b>72,516,759</b>
	2750.10	AUTOMOBILES & TRUCKS										
11001	COLLECTION	1/4 TON PICKUP EXT CAB				25,000	35,000					
11001	COLLECTION	1/4 TON PICKUP EXT CAB 4X4				31,000	35,000					
11001	ENGINEERING	1/2 TON W/UTILITY BED				31,000	31,000					
11001	ENGINEERING	1/4 TON PICKUP EXT CAB				25,000						
12301	TREATMENT	3/4 TON W/UTILITY BED				35,000	40,000					
12301	TREATMENT	1/4 TON PICKUP EXT CAB 4X4				25,000						
11001	COLLECTION	3/4 TON PICK UP 4X4					35,000					
11001	COLLECTION	3/4 TON PICKUP 4X4 W/SERVICE BODY					35,000					
11001	COLLECTION	3/4 TON PICKUP 4X4 W/EXT CAB					38,000					
11001	COLLECTION	10 WHEEL DUMP					120,000					
11001	ENGINEERING	CANYON PU 4X4 EXT CAB					21,500					
12301	TREATMENT	3/4 TON W/RACK					26,000					
12301	TREATMENT	1 1/2 TON TRUCK W/FLATBED					35,000					
12301	TREATMENT	3/4 TON W/UTILITY BED					29,500					
12301	TREATMENT	1/2 TON PICKUP EXT CAB WITH SHELL - HYBRID					24,000					
12301	TREATMENT	3/4 4X4 PICKUP					40,000					
11001	COLLECTION	VARIOUS						400,000	400,000	400,000	400,000	
						172,000	545,000	400,000	400,000	400,000	400,000	0
	2750.30	FIELD MAINTENANCE EQUIP.										
11001	COLLECTION	BACKHOE EXCHANGE				9,000	9,000	9,000	9,000	9,000	9,000	
11001	COLLECTION	TV VAN				190,000	190,000					
11001	COLLECTION	VACTOR					290,000			290,000		
11001	COLLECTION	VARIOUS						300,000	300,000	300,000	300,000	
12301	TREATMENT	10 WHEEL DUMP				130,000						
12301	TREATMENT	BROWN BEAR				500,000						
12301	TREATMENT	STREET SWEEPER				150,000						
12301	TREATMENT	LOADER REPLACEMENT						260,000				
						979,000	489,000	569,000	309,000	599,000	309,000	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	52490028	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	
						10,000	10,000	10,000	10,000	10,000	10,000	0

**STORMWATER UTILITY  
ENTERPRISE FUND  
BUDGET SUMMARY  
FY 2011-2013**

<u>SOURCES</u>	ACTUAL 2008-2009	AMENDED BUDGET 2009-10	PROJECTED ACTUAL 2009-10	Rate Increase 6%	Rate increase 0%	Rate increase 0%
				PROPOSED BUDGET 2010-011	FORECAST BUDGET 2011-12	FORECAST BUDGET 2012-13
<b>REVENUES</b>						
METERED SALES	\$ 5,377,785	\$ 5,245,000	\$ 6,265,120	\$ 7,600,000	\$ 7,600,000	\$ 7,600,000
INTEREST INCOME	196,732	150,000	150,000	100,000	100,000	100,000
OTHER REVENUES	86,288	10,000	10,000	1,000	1,000	1,000
<b>TOTAL REVENUES</b>	<b>\$ 5,660,805</b>	<b>\$ 5,405,000</b>	<b>\$ 6,425,120</b>	<b>\$ 7,701,000</b>	<b>\$ 7,701,000</b>	<b>\$ 7,701,000</b>
<b>OTHER SOURCES</b>						
GRANTS & OTHER RELATED REVENUES	324,123	516,000	516,000	516,000	516,000	516,000
COUNTY FLOOD CONTROL *	-	-	-	-	-	-
IMPACT FEES	629,675	200,000	200,000	200,000	200,000	200,000
BOND PROCEEDS	-	-	-	-	8,000,000	-
<b>TOTAL OTHER SOURCES</b>	<b>953,798</b>	<b>716,000</b>	<b>716,000</b>	<b>716,000</b>	<b>8,716,000</b>	<b>716,000</b>
<b>TOTAL SOURCES</b>	<b>\$ 6,614,603</b>	<b>\$ 6,121,000</b>	<b>\$ 7,141,120</b>	<b>\$ 8,417,000</b>	<b>\$ 16,417,000</b>	<b>\$ 8,417,000</b>
<b>EXPENSES &amp; OTHER USES</b>						
<b>EXPENDITURES</b>						
PERSONAL SERVICES	\$ 1,661,275	\$ 1,777,096	\$ 1,777,096	\$ 1,823,044	\$ 1,841,275	\$ 1,859,688
OPERATING & MAINTENANCE	93,807	112,700	112,700	112,700	114,954	117,250
TRAVEL & TRAINING	1,573	8,480	8,480	8,480	8,650	8,822
UTILITIES	104,527	77,285	77,285	77,285	78,831	80,407
PROF & CONTRACT SERVICES	905,022	883,879	883,879	883,879	636,435	649,164
PUBLIC SERVICES STREET SWEEPING	411,371	415,000	415,000	417,274	425,619	434,131
DATA PROCESSING	167,850	187,500	187,500	169,500	172,890	176,348
FLEET MAINTENANCE	220,745	206,000	206,000	206,000	210,120	214,323
ADMINISTRATIVE SERVICE FEE	64,904	50,700	50,700	65,700	67,014	68,354
PAYMENT IN LIEU OF TAXES	114,425	115,000	115,000	115,000	117,300	119,646
OTHER CHARGES AND SERVICES	(91,672)	(8,471)	(8,471)	(10,745)	(10,959)	(11,180)
<b>TOTAL EXPENDITURES</b>	<b>3,653,827</b>	<b>3,825,169</b>	<b>3,825,169</b>	<b>3,868,117</b>	<b>3,662,129</b>	<b>3,716,953</b>
<b>OTHER USES</b>						
CAPITAL OUTLAY	581,548	102,000	102,000	585,500	255,000	365,000
CAPITAL IMPROVEMENT BUDGET	2,007,331	10,489,866	7,161,000	5,175,500	11,139,000	3,096,000
DEBT SERVICES	575,200	600,000	600,000	600,000	1,400,000	1,400,000
<b>TOTAL OTHER USES</b>	<b>\$ 3,164,079</b>	<b>\$ 11,191,866</b>	<b>\$ 7,863,000</b>	<b>\$ 6,361,000</b>	<b>\$ 12,794,000</b>	<b>\$ 4,861,000</b>
<b>TOTAL USES</b>	<b>\$ 6,817,906</b>	<b>\$ 15,017,035</b>	<b>\$ 11,688,169</b>	<b>\$ 10,229,117</b>	<b>\$ 16,456,129</b>	<b>\$ 8,577,953</b>
<b>EXCESS REVENUE AND OTHER SOURCES OVER (UNDER) USES</b>						
	\$ (203,303)	\$ (8,896,035)	\$ (4,547,049)	\$ (1,812,117)	\$ (39,129)	\$ (160,953)
<b>OPERATING CASH BALANCES</b>						
BEGINNING JULY 1	\$ 10,560,690	\$ 10,357,387	\$ 10,357,387	\$ 5,810,338	\$ 3,998,221	\$ 3,959,092
ENDING JUNE 30	\$ 10,357,387	\$ 1,461,352	\$ 5,810,338	\$ 3,998,221	\$ 3,959,092	\$ 3,798,139
Cash Reserve Ratio	283%	38%	152%	103%	108%	102%
Cash reserve goal above 10%						

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



**STORMWATER UTILITY  
CASH FLOW**

	ACTUAL YEAR 2008-2009	CURRENT YEAR 2009-2010	BUDGET YEAR 2010-2011	BUDGET YEAR 2011-2012	BUDGET YEAR 2012-2013	BUDGET YEAR 2013-2014	BUDGET YEAR 2014-2015
STORMWATER CHARGES	5,377,785	6,265,120	7,600,000	7,600,000	7,600,000	7,600,000	7,600,000
OTHER INCOME	55,455	10,000	1,000	1,000	1,000	1,000	1,000
INTEREST INCOME	196,732	150,000	100,000	100,000	100,000	100,000	100,000
OPERATING INCOME	5,629,972	6,425,120	7,701,000	7,701,000	7,701,000	7,701,000	7,701,000
OPERATING EXPENDITURES	(3,653,827)	(3,825,169)	(3,868,117)	(3,662,129)	(3,716,953)	(3,772,698)	(3,829,368)
NET INCOME EXCLUDING DEP.	1,976,145	2,599,951	3,832,883	4,038,871	3,984,047	3,928,302	3,871,632
IMPACT FEES	629,675	200,000	200,000	200,000	200,000	200,000	200,000
OTHER RECEIPTS/ BOND PROCEEDS	30,833	0		8,000,000			
OTHER CONTRIBUTIONS	324,123	516,000	516,000	516,000	516,000	516,000	516,000
CAPITAL OUTLAY	(581,548)	(102,000)	(585,500)	(255,000)	(365,000)	(438,000)	(560,000)
DEBT SERVICE (NEW)	0	0		(800,000)	(800,000)	(800,000)	(800,000)
DEBT SERVICE	(575,200)	(600,000)	(600,000)	(600,000)	(600,000)	(600,000)	(600,000)
OTHER INCOME & EXPENSE	(172,117)	14,000	(469,500)	7,061,000	(1,049,000)	(1,122,000)	(1,244,000)
AVAILABLE FOR CAPITAL	1,804,028	2,613,951	3,363,383	11,099,871	2,935,047	2,806,302	2,627,632
CAPITAL IMPROVEMENTS	(2,007,331)	(7,161,000)	(5,175,500)	(11,139,000)	(3,096,000)	(2,750,000)	(2,700,000)
CASH INCREASE/(DECREASE)	(203,303)	(4,547,049)	(1,812,117)	(39,129)	(160,953)	56,302	(72,368)
BEGINING CASH BALANCE	10,560,690	10,357,387	5,810,337	3,998,220	3,959,091	3,798,138	3,854,440
CASH INCREASE/(DECREASE)	(203,303)	(4,547,049)	(1,812,117)	(39,129)	(160,953)	56,302	(72,368)
ENDING BALANCES	10,357,387	5,810,337	3,998,220	3,959,091	3,798,138	3,854,440	3,782,072
DEBT SERVICE COVERAGE	3.44	4.33	6.39	6.73	6.64	6.55	6.45
RATE CHANGE	0%	17%	5.90%	0.00%	0.00%	0.00%	0.00%
ANNUAL RESIDENTIAL STORM WATER BILL							
BILL (1991=\$36.00)	\$36.00	\$48.00	\$51.12	\$51.12	\$51.12	\$51.12	\$51.12
Cash Reserve Ratio	283.47%	151.90%	103.36%	108.11%	102.18%	102.17%	98.76%

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Salt Lake City Corporation  
Department of Public Utilities  
**STORM DRAIN CAPITAL IMPROVEMENT PROJECTS**  
SIX YEAR PROPOSAL  
2010 thru 2015

Last Update  
3/19/2010

COST CENTER	PROJECT NUMBERS	DESCRIPTION	GROWTH %	PRIORITY RATING	FEET OF PIPE	FISCAL YR 2009 - 2010	FISCAL YR 2010 - 2011	FISCAL YR 2011 - 2012	FISCAL YR 2012-13	FISCAL YR 2013-14	FISCAL YR 2014-15	PROJECTS DELAYED
53-10201	2772.10	LAND LAND RIGHT OF WAY				250,000						
						250,000	0	0	0	0	0	0
53-10301	2772.10	LIFT STATIONS - 2720.05										
10301	5348002	VARIOUS PUMP STATIONS				100,000		100,000	100,000	100,000	100,000	
10301	53471018	OIL DITCH LIFT STATION - 1250 WEST 2000 NORTH (NEW PUMPS AND CONTROL PANELS)				190,000						
10301	53471024	OAKLEY STORM WATER LIFT STATION REHAB				200,000						
10301		400 SOUTH LIFT STATION - NORTH									750,000	
10301		CORNELL LIFT STATION PUMP REPLACEMENT					90,000					
10301		WESTPOINT PARK UNDERDRAIN LIFT STATION REHABILITATION					150,000					
10301		NEW STAR LIFT STATION REHABILITATION					50,000			50,000		
						490,000	290,000	100,000	100,000	150,000	850,000	0
	2773.1	BUILDINGS, MAINTENANCE AND REPAIR SHOPS 2720.10										
53-10301	2773.10	DETENTION BASINS - 2730.20										
						0	0	0	0	0	0	0
53-10301	2773.10	COLLECTION MAINS - 2730.18										
10301	53470723	TESORO (1200 NORTH - 600 WEST TO 850 WEST)			2.100	240,000						
10301	534740016	VARIOUS LINES				200,000						
10301	53470631	300 NORTH 200 WEST TO 300 WEST				140,000						
10301	53470599	GLADIOLA STREET (2900 W) - 500 S TO 1820 S (CED JOB NO. 103007)				250,000						
10301	534700625	OIL DRAIN PROJECT					1,000,000					
10301		1700 EAST - YALECREST AVENUE (1015 S) TO HARVARD AVENUE (1110 S)					28,750					
10301		MILITARY DRIVE (1650 E) AT YALECREST AVENUE (1015 S)					10,000					
10301		HARVARD AVENUE (1110 S) - 1500 EAST TO 1800 EAST					26,750					
10301		900 SOUTH - 700 EAST TO WINDSOR STREET (860 E)					252,000					
10301		900 SOUTH - 500 EAST TO 700 EAST						610,000				
10301	53470731	500 EAST - 1300 SOUTH TO 2100 SOUTH						350,000				
10301		1300 EAST - SOUTH TEMPLE TO 500 SOUTH						250,000				
10301		800 EAST STORM DRAIN - 2700 SOUTH TO STRAFFORD AVENUE						113,000				
10301		LITTLE GOGGIN DRAIN BONNEVILLE CENTER C&D						65,000				
10301		YALECREST STREET RECONSTRUCTION - 1500 EAST TO 1700 EAST							580,000			
10301		MIDDLE BRIGHTON CULVERT REHABILITATION						150,000				
10301		GLADIOLA STORM DRAIN - 500 SOUTH TO RAILROAD CROSSING							500,000			
10301		GLADIOLA STORM DRAIN - RAILROAD CROSSING 900 SOUTH								450,000		
10301		GLADIOLA STORM DRAIN - 900 SOUTH TO 1300 SOUTH								100,000		
10301		DELONG STREET STORM DRAIN								550,000		
10301		RICHMOND STREET STORM DRAIN								150,000		
10301	53475005	BRIGHTON DRAIN WIDENING FOR SORENSON				266,000	266,000	266,000	266,000			
10301	534750007	LEE DRAIN PIPE IMPROVEMENT UNDER BANGERTER (OR RAILROAD ONLY)									500,000	
						1,096,000	1,585,500	1,804,000	1,346,000	1,250,000	500,000	0
10301		REPAIR CORRIDOR PROJECTS										
10301		EMIGRATION CULVERT AT 1500 EAST				775,000						
10301		RED BUTTE CULVERT AT 1300 EAST & 1000 SOUTH - REHAB					250,000					
10301		RED BUTTE CULVERT AT SUNNYSIDE AVENUE - REHAB							300,000			
10301	53470558	IMMIGRATION CREEK AT 1300 EAST - CULVERT - REHAB						385,000				
10301		RED BUTTE CULVERT REHAB AT 1500 EAST					200,000					
10301		EMIGRATION CREEK REHABILITATION - REACH LEM R03A						115,000				
10301		EMIGRATION CREEK REHABILITATION - REACH LEM R03B						135,000				
10301		EMIGRATION CREEK REHABILITATION - REACH LEM R04						44,000				
10301		EMIGRATION CREEK REHABILITATION - REACH LEM R05A AND REM 05B						115,000				
					0	775,000	450,000	385,000	300,000	0	0	0
		LOCAL AREA PROJECTS (* WORK BY CITY CREWS)										

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Salt Lake City Corporation  
Department of Public Utilities  
**STORM DRAIN CAPITAL IMPROVEMENT PROJECTS**  
SIX YEAR PROPOSAL  
2010 thru 2015

Last Update  
3/19/2010

COST CENTER	PROJECT NUMBERS	DESCRIPTION	GROWTH %	PRIORITY RATING	FEET OF PIPE	FISCAL YR 2009 - 2010	FISCAL YR 2010 - 2011	FISCAL YR 2011 - 2012	FISCAL YR 2012-13	FISCAL YR 2013-14	FISCAL YR 2014-15	PROJECTS DELAYED
10301	534740016	VARIOUS PROJECTS				200,000	200,000	200,000	200,000	200,000	200,000	0
					0	200,000	200,000	200,000	200,000	200,000	200,000	0
10301		AVENUE CROSSWALKS				50,000	50,000	50,000	50,000	50,000	50,000	
10301		ADA RAMPS				50,000	50,000	50,000	50,000	50,000	50,000	
10301		SID VARIOUS STREETS -- DIP STONE REPLACEMENT				50,000	50,000	50,000	50,000	50,000	50,000	
10301		CONTRIBUTIONS BY DEVELOPERS				1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	
					0	1,150,000	1,150,000	1,150,000	1,150,000	1,150,000	1,150,000	0
10301	53470784	MASTER PLAN PROJECTS										
10301		NORTH TEMPLE VIADUCT DIVERSION PROJECT				3,000,000	1,000,000					
10301		GATSBY DIVERSION										500,000
10301		FOLSOM STORM DRAIN				200,000	500,000	7,500,000				6,000,000
10301		FOOTHILL DRIVE (2800 E) - EMIGRATION CREEK TO 2300 EAST										500,000
10301		600 EAST - 900 SOUTH TO THE AVENUES										4,200,000
10301		1700 SOUTH 500 WEST										400,000
		TOTAL COLLECTION LINES				6,421,000	4,885,500	11,039,000	2,996,000	2,600,000	1,850,000	11,600,000
		TOTAL CAPITAL IMPROVEMENTS				7,161,000	5,175,500	11,139,000	3,096,000	2,750,000	2,700,000	11,600,000
10201	2750.10	Motive Replacement Auto & Truck										
10201		1 TON HD TRUCK W/DUMP				36,000			38,000			
10201		10 WHEEL DUMP TRUCK						120,000			120,000	
10201		BOBTAIL DUMP - 2 1/2 TON								90,000		
10201		2 TON DUMP TRUCK					65,000			65,000		
10201		3/4 PICKUP 4X4					65,000					
10201		1 TON HD TRUCK W/UTILITY BED						40,000	38,000			
10701		1/2 TON PICKUP EXT CAB WITH SHELL - HYBRID						40,000				
10701		CANYON PU 4X4 EXT CAB					21,500					
						36,000	151,500	200,000	76,000	155,000	120,000	0
10201	2750.30	Field Maint Equipment										
10201		BACKHOE - REPLACEMENT PROGRAM				9,000	9,000	9,000	9,000	9,000	150,000	
10201		TRACTOR TRUCK					275,000		275,000		285,000	
10201		TRACK EXCAVATOR W/DOZER BLADE								130,000		
10201		TRANSPORT TRAILER										
10201		DRAG MACHINE								80,000		
						9,000	284,000	9,000	284,000	219,000	435,000	0
10201	2760.30	Telemetry										
10201		SCADA FOR LIFT STATIONS					25,000	25,000				
						0	25,000	25,000	0	0	0	0
10201	2760.50	Office Equipment										
						0	0	0	0	0	0	0
10201	2760.90	Other Equipment										
10201		CEMENT MIXER				6,000		6,000		6,000		
10201		CENTERFULLIC PUMP & POWER PLANT				46,000						
10201		REPLACEMENT RADIOS				5,000	5,000	5,000	5,000	5,000	5,000	
10201		4" PUMP								30,000		
10201		TRUCK MOUNTED WELDER								13,000		
10201		24" HIGH CAPACITY PUMP & POWER UNIT					120,000					
10701		COMPOSITE SAMPLERS						10,000		10,000		

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Salt Lake City Corporation  
 Department of Public Utilities  
**STORM DRAIN CAPITAL IMPROVEMENT PROJECTS**  
 SIX YEAR PROPOSAL  
 2010 thru 2015

Last Update  
 3/19/2010

COST CENTER	PROJECT NUMBERS	DESCRIPTION	GROWTH %	PRIORITY RATING	FEET OF PIPE	FISCAL YR 2009 - 2010	FISCAL YR 2010 - 2011	FISCAL YR 2011 - 2012	FISCAL YR 2012-13	FISCAL YR 2013-14	FISCAL YR 2014-15	PROJECTS DELAYED
						57,000	125,000	21,000	5,000	64,000	5,000	0
						102,000	585,500	255,000	365,000	438,000	560,000	0
		<b>GRAND TOTAL</b>				<b>7,263,000</b>	<b>5,761,000</b>	<b>11,394,000</b>	<b>3,461,000</b>	<b>3,188,000</b>	<b>3,260,000</b>	<b>11,600,000</b>

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# MEMORANDUM

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DATE: April 13, 2010  
SUBJECT: Watershed Land & Water Rights Purchase Fund  
STAFF REPORT BY: Lehua Weaver  
CC: David Everitt, Jeff Niermeyer, Tom Ward, Jim Lewis, Rusty Vetter, Vicki Bennett, Emy Storheim, Janice Jardine

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During the last round of discussions regarding the City's Open Space lands, the Council had requested more information about the Department of Public Utilities acquisitions of watershed lands.

The attached transmittal provides the history and value of the Public Utilities watershed acquisition process and funding. Some items of note include:

Funding - When the Acquisition Fund was first set up in 1988, the money was generated by a \$0.25 charge to customers each month. Since its inception, the fee has been increased twice - most recently, a few years ago to \$1.00. This generates approximately \$1 million per year for land and water rights acquisitions.

Criteria - The transmittal also outlines the criteria used to evaluate purchases. These criteria include:

- Active Watersheds
- Level of Development Threat, especially that which would affect water quality and/or quantity
- Opportunities for Partnership and Grant Funding
- Availability of Funding
- Parcel Size (used to pursue larger parcels, but has evolved to valuing smaller key parcels too)
- Value of Land relative to Appraised Value
- Presence of Environmental Hazards and Liabilities
- Non-Active Watersheds (for example, land in Emigration or Mill Creek Canyons)
- Willing Seller

The next few pages provide a list of all the watershed purchases made since the beginning of the program. Year-to-date, over 1,700 acres have been purchased, and \$8,386,183 has been spent to preserve these valuable lands.

**SALT LAKE CITY PUBLIC UTILITIES DEPARTMENT  
WATERSHED & WATER RIGHTS PURCHASE FUND - CONTINUED  
JULY 1, 1989 thru JUNE 30, 2009**

DATE OF PURCHASE	DESCRIPTION OF PURCHASE	NUMBER OF ACRES	SQUARE FEET	CANYON	VENDOR	AMOUNT PAID
NOV 30, 1989	BIG COTTONWOOD CANYON	108.0000	0.17	BIG COTTONWOOD	ZIONS FIRST NATIONAL BANK	243,500.00
SEP 30, 1990	SWANER PROPERTY & RIGHT OF WAY	135.9700	0.21	PARLEYS	LANDMARK TITLE	139,123.02
FEB 29, 1992	NEWELL W & DOROTHY F JENKINS MT DELL PARD SD LOTS 10 & 11					
FEB 29, 1993	D EUGENE MOENCH	115.3600	0.18	MT DELL PARK SD BIG COTTONWOOD - 9600 EAST	AMERICA WEST TITLE AGENCY INC. (MAXFIELD MINING COMPANY)	850.00
APR 28, 1994	BIG COTTONWOOD					51,416.66
MAY 11, 1994	WATERSHED PROPERTY PARLEYS CANYON			BIG COTTONWOOD		1,000.00
	WATERSHED PROPERTY AT 7402 E I-80 EAST FREEWAY W/ CABIN & WATER RIGHTS					
JUN 21, 1994	BIG COTTONWOOD	124.8700	0.20	PARLEYS	ASSOCIATED TITLE COMPANY CUTLER FAMILY LIVING TRUST	
JUN 30, 1994	WATERSHED PROPERTY PARLEYS CANYON	150.8000	0.24	BIG COTTONWOOD	GRANT M & LILLIAN L CUTLER ASSOCIATED TITLE COMPANY CONTRACT #0199#2215	324,272.04
NOV 21, 1994	WATERSHED PROPERTY CITY CREEK CANYON	6.0600	0.01	PARLEYS		99,125.00
MAY 31, 1995	PARLEYS CANYON	5.7000	0.01	CITY CREEK	PARKS DEPARTMENT	87,956.78
JUNE 30, 1995	WATERSHED PROPERTY PARLEYS CANYON WATERSHED PROPERTY & BIG COTTONWOOD CANYON MINING CLAIMS	81.2480	0.09	PARLEYS	SALT LAKE COUNTY ASSESSORS OFFICE CLAYTON PROPERTY C/O MARGARET JONES CHRISTINE I DRAHEIM	157.57 1,542.43
AUG 31, 1995	BIG COTTONWOOD CANYON	118.7500	0.19	PARLEYS & BIG COTTONWOOD		81,248.00
AUG 31, 1995	WATERSHED PROPERTY LAMBS CANYON	19.0600	0.03	BIG COTTONWOOD	SALT LAKE COUNTY	55,439.00
APR 04, 1996	WATERSHED PROPERTY BIG COTTONWOOD CANYON	14.0600	0.02	LAMBS	THE NATURE CONSERVANCY	22,975.00
JAN 31, 1997	WATERSHED PROPERTY CATHOTIC PROTECTION 4771 S 600 EAST	69.2400	0.11	BIG COTTONWOOD	GARDNER, WW & WB INC.	11,147.00
OCT 31, 1997	BIG COTTONWOOD CANYON	0.1329	0.00	ARTESIAN BASIN	BARTHOLOMEW DENNERY JR.	34,122.00
MAY 31, 1998	WATERSHED PROPERTY BIG COTTONWOOD CANYON	0.8900	0.00	BIG COTTONWOOD	CHERYL BRIMHALL	11,155.50
MAY 31, 1998	WATERSHED PROPERTY BIG COTTONWOOD CANYON	1.5000	0.00	BIG COTTONWOOD	ROBERT RENZA, ET. AL.	56,753.47
DEC 31, 1998	WATERSHED PROPERTY LAMBS CANYON	20.6500	0.03	BIG COTTONWOOD	MARION SMITH	37,585.00
SEP 30, 1999	WATERSHED PROPERTY BIG COTTONWOOD CANYON	1.5000	0.00	LAMBS	LYMAN SMITH	15,625.00
OCT 19, 1999	WATERSHED PROPERTY LAMBS CANYON	0.4200	0.00	BIG COTTONWOOD	SUSAN K. & PHILLIP C. SMITH	1,785.00
	WATERSHED PROPERTY	0.9100	0.00	LAMBS	BURRELL TRUST	8,371.40
	<b>SUB TOTAL</b>	<b>975.1009</b>	<b>1.52</b>		<b>SUB TOTAL</b>	<b>4,064.46</b>
						<b>1,289,214.33</b>

**SALT LAKE CITY PUBLIC UTILITIES DEPARTMENT  
WATERSHED & WATER RIGHTS PURCHASE FUND - CONTINUED  
JULY 1, 1989 thru JUNE 30, 2009**

DATE OF PURCHASE	DESCRIPTION OF PURCHASE	NUMBER OF ACRES	SQUARE FEET	CANYON	VENDOR	AMOUNT PAID
SEP 20, 2000	BIG COTTONWOOD CANYON					
SEP 20, 2000	WATERSHED PROPERTY	0.2300		BIG COTTONWOOD	SALT LAKE COUNTY	9,850.00
SEP 20, 2000	LITTLE COTTONWOOD CANYON					
OCT 10, 2000	WATERSHED PROPERTY	2.5500		LITTLE COTTONWOOD	SALT LAKE COUNTY	43,730.00
OCT 10, 2000	BIG COTTONWOOD CANYON	0.2500		BIG COTTONWOOD	ROBERT L. & MARJORIE J. HOLT	6,450.00
OCT 11, 2000	WATERSHED PROPERTY	2.5600		BIG COTTONWOOD	SALT LAKE COUNTY	35,115.00
JUNE 05, 2001	BIG COTTONWOOD CANYON	5.1800		BIG COTTONWOOD	CORY WILSON	120,333.02
JULY 31, 2001	WATERSHED PROPERTY	155.4100		BIG COTTONWOOD	COALITION TITLE AGENCY	1,300,375.24
DEC 10, 2001	BIG COTTONWOOD CANYON	-		BIG COTTONWOOD	J. PHILIP COOK AND ASSOCIATES	2,500.00
DEC 10, 2001	WATERSHED PROPERTY	-		BIG COTTONWOOD	J. PHILIP COOK AND ASSOCIATES	2,500.00
APR 17, 2002	BIG COTTONWOOD CANYON	0.2500		BIG COTTONWOOD	METRO NATIONAL TITLE	8,125.00
JUNE 18, 2002	WATERSHED PROPERTY	39.2600		BIG COTTONWOOD	FIRST AMERICAN TITLE, PEGGY KNIGHT & ASSOC.	856,352.50
AUG 30, 2002	BIG COTTONWOOD CANYON	0.2300		BIG COTTONWOOD	J. PHILIP COOK & ASSOC., LANG. SMITH & ASSOC.	3,984.47
NOV 5, 2002	WATERSHED PROPERTY	0.2200		BIG COTTONWOOD	FIRST AMERICAN TITLE	3,864.10
DEC 3, 2002	BIG COTTONWOOD CANYON	0.2700		BIG COTTONWOOD	FIRST AMERICAN TITLE	20,784.47
FEB 18, 2003	WATERSHED PROPERTY	8.8200		BIG COTTONWOOD	UTAH POWER & LIGHT	13,878.53
FEB 18, 2003	BIG COTTONWOOD CANYON	9.8800		BIG COTTONWOOD	J. PHILIP COOK AND ASSOCIATES	15,546.47
SEP 3, 2003	WATERSHED PROPERTY	2.7500		LITTLE COTTONWOOD	FIRST AMERICAN TITLE	185,175.00
SEP 5, 2003	BIG COTTONWOOD CANYON	45.4500		BIG COTTONWOOD	WESTERN DEVELOPMENT	115,500.00
SEP 12, 2003	LADY OF THE LAKE	0.3200		BIG COTTONWOOD	FIRST AMERICAN TITLE	8,435.60
NOV 21, 2003	WATERSHED PROPERTY	4.7200		LITTLE COTTONWOOD	FIRST AMERICAN TITLE	120,125.00
DEC 19, 2003	FRIENDS OF ALTA - SIX LOTS	0.3700		BIG COTTONWOOD	SAGE ENVIRONMENTAL, LLC	2,493.98
DEC 16, 2005	WATERSHED PROPERTY	0.5400		BIG COTTONWOOD	METRO NATIONAL TITLE	8,571.00
DEC 16, 2005	ENVIRONMENTAL ANALYSIS	3.8800		BIG COTTONWOOD	SAVE OUR CANYONS	100,187.77
DEC 16, 2005	LADY OF THE LAKE - LOT 17	142.7700		BIG COTTONWOOD	KENNETH FARR BECKSTEAD	77,141.24
JAN 31, 2006	WATERSHED PROPERTY	0.3500		BIG COTTONWOOD	SIERRA PARTNERS	1,289,159.13
AUG 31, 2006	LOT 45 FOREST GLEN SUB PLAT C	248.0000		BIG COTTONWOOD	KEITH CARROLL TRUST	10,565.00
NOV 27, 2006	LAMBS CANYON	10.9100		LAMBS CANYON	WRIGHT FAMILY TRUST	2,002,463.95
JAN 15, 2008	BIG COTTONWOOD CANYON	21.0000		LAMBS CANYON	EMMA LYNNE D. CHACON	76,188.08
FEB 29, 2008	LAMBS CANYON	706.1700		BIG COTTONWOOD	DOUGLAS THOMPSON	278,835.88
DEC 9, 2008	LAMBS CANYON					
JUN 10, 2009	BIG COTTONWOOD CANYON					
	<b>SUB TOTAL</b>	<b>1,681.2709</b>	<b>2.63</b>		<b>SUB TOTAL</b>	<b>6,718,228.43</b>
	<b>GRAND TOTAL</b>				<b>GRAND TOTAL</b>	<b>8,007,442.76</b>

PUBLIC UTILITIES  
WATER UTILITY FUND

LAND

27.10.10

DATE PURCHASED	DESCRIPTION	NUMBER OF ACRES	ASSET NUMBER	INVOICE CONTRACT	PAID NUMBER	ENCUMBERED AMOUNT	PAID AMOUNT	TOTAL AMOUNT	BUDGET REMAINING
7/1/2009	BEGINNING BUDGET								1,000,000.00
9/2/2009	7655 EAST BIG COTTONWOOD CANYON	61.00	L613836		25027		300,000.00	300,000.00	700,000.00
12/23/2009	THREE PARCELS OF LAND LOCATED IN LITTLE COTTONWOOD CANYON	2.44	L613847		02883		70,190.00	70,190.00	629,810.00
11/30/2009	PHASE I ESA / ALBION BASIN				21727		3,800.00	3,800.00	626,010.00
11/30/2009	PHASE I ESA / MOYLE PROPERTY PARLEY'S CANYON				21727		3,000.00	3,000.00	623,010.00
12/22/2009	PHASE I ESA / LEE DRAIN EASEMENT 4300 W				12482		1,750.00	1,750.00	621,260.00
TOTAL YEAR TO DATE									63.44
									0.00
									378,740.00
									378,740.00
									621,260.00



JEFFRY T. NIERMEYER  
DIRECTOR

# SALT LAKE CITY CORPORATION

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

## CITY COUNCIL TRANSMITTAL

SCANNED TO: *noye*  
SCANNED BY: *hays*  
DATE: *3/30/2010*  
RALPH BECKER  
MAYOR



A large, stylized handwritten signature in blue ink, likely belonging to David Everitt.

David Everitt, Chief of Staff

Date Received: *03/30/2010*  
Date sent to Council: *04/01/2010*

TO: Salt Lake City Council  
JT Martin, Chair

DATE: *3-30-10*

FROM: Jeff Niermeyer, Director, Department of Public Utilities *J Niermeyer*

SUBJECT: **Watershed Lands and Water Rights Acquisition Fund**

STAFF CONTACT: Jeff Niermeyer, Director, Department of Public Utilities;  
801.483.6785 or [jeff.niermeyer@slcgov.com](mailto:jeff.niermeyer@slcgov.com)

DOCUMENT TYPE: Informational; Text includes transmittal and attached references

RECOMMENDATION: City Council has requested information on the Watershed Lands and Water Rights Acquisition Fund. No action being requested at this time.

BUDGET IMPACT: No new funds or fee increases are being requested at this time.

### BACKGROUND/DISCUSSION:

#### History

The Watershed and Water Rights Acquisition Fund (the Fund) was established as a result of recommendations in the 1988 Salt Lake City Watershed Management Plan (the Plan) as submitted by the Department of Public Utilities (the Utility) and adopted by City Council on April 19, 1988. Prior to the City Council's review and adoption, the Plan was approved by the Public Utilities Advisory Committee (PUAC). A critical component of the Plan was the recommendation to establish a formal program to fund the purchase of lands within and adjacent to the watershed, and to purchase water rights.

As the Plan points out, even as early as the latter part of the 19<sup>th</sup> Century, Salt Lake City had a long history of source water protection, including the purchasing of critical watershed lands and water rights. However, with the establishment of the Wasatch National Forest, the City's land acquisition program stalled, leaving land critical to watershed protection in private ownership and under threat of development. Over the next century, these development pressures have only increased, creating a greater potential threat to water quality as well as quantity. Increases in population have also

necessitated the need for expanding the water rights portfolio. It is this action, establishing a dedicated fund for the purchase of water rights and watershed lands that will have the greatest impact on the City's ability to provide high quality drinking water for the community now and into the future.

It was determined that a dedicated fund should be established through a fee assessed to all Utility customers through their monthly water bill. This was approved by the PUAC and the City Council, and reaffirmed by both bodies with the adoption of the 1999 Watershed Master Plan Update.

The dedicated fund was not established by ordinance, but rather through the adoption of the Plan and the approval of water rates, and is then accounted for within the budgeting process in a separate account. The Fund is set aside expressly for the purchase of both watershed lands and water rights. This mechanism has been firmly established and articulated within PUAC<sup>1</sup> and City Council<sup>2</sup> minutes, and reported by media<sup>3</sup>.

Since the establishment of the Fund, the Utility has been able to accelerate purchases in both watershed lands and water rights. It is through the Fund that the Utility was able to pay for a portion of the Cahoon-Maxfield, Big Cottonwood-Tanner, and Brown-Sanford Irrigation water rights, and a total of 1,681 acres of land within and adjacent to the watershed, greatly enhancing the water security of our community.

Initially established at a rate of \$0.25 cents each month per connection, the fee has experienced two increases over the twenty years that it has been in place. The most recent increase to \$1.00 per month per connection generates approximately one million dollars annually towards the purchase of watershed lands and water rights.

### **Fund Implementation**

Prior to the establishment of the Fund, it was recommended that privately and publicly held watershed lands and water rights be catalogued, followed by the development of objectives and criteria to guide purchases. The establishment of objectives and criteria maximizes utilization of limited fund dollars, allows for the anticipation of opportunities, and helps resist responding to varying pressures of the moment.

As stated in the Plan, "a rational approach guiding city land [and water right] acquisitions would include an inventory of all private lands, the development of criteria and qualifications for selecting lands critical for watershed protection, and a prioritization of lands to be acquired."

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<sup>1</sup> Minutes of the Public Utilities Advisory Committee; Feb 17, 1988, page 4

<sup>2</sup> Minutes of the Salt Lake City Council; April 5, 1988; pp 88-109.

<sup>3</sup> "Watershed Plan Approved by City Council;" Salt Lake Tribune, Morning Edition, April 20, 1988.

Additional to the acquisition of watershed lands and water rights, the Plan also identified one other strategy, though it was ranked as a lesser priority. Land exchanges, sometimes worked in conjunction with the US Forest Service, help to consolidate public land holdings and create efficiencies in land management through the concentration of land ownership in critical watershed canyons. It was recommended that Salt Lake City and the Forest Service aggressively pursue the land exchange program, including the pursuit of congressional action to facilitate consummation of the beneficial exchange objectives.

After identifying these strategies for securing the community's water supply, and having received support of the PUAC, the Mayor, the City Council, and the community, the Utility implemented the fee to create the Fund.

### **Establishing Program Criteria**

In order to maximize the effectiveness of land and rights purchases, and based on the recommendations contained within the Plan, the Utility began the process of identifying lands and water rights, and of establishing criteria to guide purchases. Working with the watershed staff, the PUAC, and others, the Utility developed criteria to assist in the identification of water rights or watershed lands to pursue. The criteria utilized to determine the priority of acquisition of watershed lands and water rights include:

- **Active Watersheds:** Those parcels within canyons that currently have water treatment plants and are providing water to the community. These lands and water rights have a high priority to be protected and preserved. Some examples of acquisitions of lands within active watersheds include Donut Falls and Willow Heights in Big Cottonwood Canyon, and the Cutler property in Parleys Canyon.
- **Level of Development Threat:** Assessment of existing or proposed plans for development of land that could negatively affect water quality or quantity. In making this assessment, the imminence and feasibility of the development threat is identified. For example, a property owner may assert a development potential but due to grade or access issues, the immediacy or likelihood of development is deemed low and the priority of acquisition is ranked low. However, in some cases, development is deemed imminent. In the case of Willow Heights, the owner had submitted to a plat with 28 home lots to the Salt Lake County Planning Commission for approval. In another instance, 64 acres adjacent to Solitude Ski Resort had a 32-lot subdivision plat submitted to Salt Lake County Planning Commission for approval.
- **Opportunities for Partnership and Grant Funding:** The existence of a dedicated fund increases program attractiveness for partners and increases likelihood to acquire grant monies. The Willow Heights property was acquired with the added assistance of a \$700,000 grant through the Leroy Macalister Fund. In another transaction, 500 acres at the mouth of Little

Cottonwood Canyon were removed from threat of development and the attached water rights were acquired by the Utility by working with the Trust for Public Lands, the US Forest Service, and the US Congress. In yet another example, because of the availability of the Fund, the Utility was able to work with the Town of Alta and Friends of Alta to purchase 16 lots within Albion Basin utilizing a Central Utah Project Completion Act grant.

- **Availability of Funding:** An existing, dedicated fund allows for responsiveness to market opportunities as they arise. An existing fund allows for both the long-term planning of purchases through the accumulation of monies, as well as the ability to act quickly in the short term by “borrowing” monies from cash reserves which can be repaid as the Fund replenishes.
- **Parcel Size:** This criteria has evolved over the lifetime of the Fund. Initially, there was a preference to purchase large parcels, but the Utility has since learned that there is a value in acquiring individual lots that are reasonably priced relative to appraised value. This has allowed the Utility to consolidate larger tracts of land and avoided development pressure.
- **Value of Land Relative to Appraised Value:** This criteria has helped the Utility to decide to avoid buying certain tracts of land, despite being within critical watersheds, by assessing the market and noting the absence of competing interests. An example is a large parcel within City Creek that periodically comes onto the market at an asking price of over \$3 million, yet this parcel has no access and no water and so there is no market demand. By noting the prevailing market trend, the Utility can avoid the costs of purchasing lands that have little or no development pressure, despite being situated in an active watershed area.
- **Presence of Environmental Hazards and Liabilities:** It is standard practice for the Utility to conduct a Phase I Environmental Site Assessment (ESA) prior to the acquisition of a property to ensure that lands are not acquired that would pose a significant environmental risk or liability for the City due to contamination resulting from the current or historical presence of hazardous materials or hazardous substances at the property or adjoining sites.
- **Non-Active Watersheds:** These are properties that are within canyons where the Utility holds water rights and has future plans to develop water resources but that are currently un-utilized. Lands in Emigration Canyon and Mill Creek are examples of these future active watersheds.
- **Willing Seller:** While listed last, this is of critical importance. The Utility never exercises eminent domain or condemnation to acquire lands within

the watersheds. Transactions are always conducted and concluded such that all parties are satisfied with the outcome. Additionally, as the properties purchased by the Utility are protected from development and generally made available to recreationists to enjoy, many property owners approach the Utility with available property as a way to protect and preserve the nature of their property.

- Water rights acquisitions focus on the purchasing of water shares that reduce our obligations to deliver water under current exchange agreements.

### **Program Implementation**

A critical component to the success of the Fund's program is the ability of the Utility to act swiftly and confidentially. Before the creation of the dedicated fund, negotiations for land purchases could not begin without first addressing the budget process, a step that sometimes resulted in lost opportunities due to an inability to act quickly. Additionally, the public nature of that process made it difficult to negotiate discreetly, which can result in prices being inflated through either competition or other effects. The existence of the dedicated fund allows for responsiveness and planning that greatly heightens the effectiveness of the expenditures.

Since the Fund's inception, while there have been dozens of small purchases of lands less than an acre or of lesser commercial value, there have been many purchases exceeding \$100,000 dollars and several over one-half of a million dollars. The nature of Fund and the current process of how monies are expended allow for that responsiveness and flexibility.

By March, 1989, the PUAC had established a Land Acquisition Subcommittee to assist in the development of the process for identifying lands for purchase. Over the years, a methodology was developed that has grown and evolved as the PUAC and the Utility have gained experience and expertise in this area.

In 1998, to further facilitate the process of prioritizing the acquisition of lands, potential properties for acquisition were discussed with the PUAC in closed session, after which, the PUAC voted to authorize the Utility to acquire all the critical and available properties covered in that closed session.

As recorded in the minutes of a PUAC meeting in March of 1989, LeRoy Hooton stated that, prior to the establishment of this dedicated watershed lands and water rights fund, the City lost opportunities to purchase lands that, "could be developed in a way that would conflict with the desired watershed preservation standards." It is through the City and Utility's foresight in acquiring these lands that we enjoy the high quality drinking water we do. It is through the on-going preservation of these lands and the continued pursuit of available privately held lands and water rights that will sustain this invaluable resource and our community into the future.

**PUBLIC PROCESS:** The Public Utilities Advisory Committee has been involved throughout this process, from the development of the 1988 Watershed Master Plan throughout the Funds history of fee setting and watershed and water rights acquisitions.

Salt Lake City Department of Public Utilities

Report on Watershed Lands and Water Rights Acquisition Fund  
April 2010

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Appendix G: Salt Lake City Tribune, "Budget Plan May Aid Watershed," February 24, 1988

Appendix H: Proceedings of the City Council of Salt Lake City, Utah; Tuesday, April 5, 1988; Pages 88-109 through 88-114

Appendix I: Salt Lake Tribune, Morning Edition, "Watershed Plan Approved by City Council;" April 20, 1988

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Appendix M: Salt Lake City Department of Public Utilities Watershed & Water Rights Purchase Fund, July 1, 1989 through June 30, 2009

Appendix A

Memorandum from LeRoy W. Hooton, Jr. to city Council Regarding the Watershed and Water Rights Acquisition Fund; January 30, 2007



## Memorandum

**RE:** Watershed and Water Rights Acquisition Fund

**Form:** LeRoy W. Hooton, Jr. 

**Date:** January 30, 2007

In regards to the Department of Public Utilities Watershed and Water Rights Acquisition Fund, I have found that:

The Watershed and Water Rights Acquisition Fund was established as a result of the 1988 Salt Lake City Watershed Management Plan (Plan) adopted by the City Council on April 19, 1988. Among other recommendations, the Plan recommended that a formal program for canyon land and water rights acquisition be established by a dedicated fund through city water rates for all customers. This was confirmed again in the 1999 Plan update by adoption by the City Council.

The dedicated fund was not established by ordinance, but rather by the adoption of the Plan and its recommendations; then including it in the budgeting process. The rates have been adopted and the revenues accounted for in a separate and dedicated fund.

The documentation clearly states that the fund is for both watershed and water rights purchases.

It was highly publicized, with public process and public hearings.

The Watershed Management Plan was updated in 1999, with a recommendation that the Watershed and Water Rights Acquisition Fund water rate be increased by \$0.25 per month.

The Department of Public Utilities has purchased over 1200 acres of watershed property and in 1999 the water rights of the Cahoon Maxfield Irrigation Company.

Appendix B

Watershed Land and Water Rights Acquisition fund Chronology; From LeRoy W. Hooton, Jr.  
memorandum dated January 30, 2007

## Watershed Land and Water Rights Acquisition Fund Chorology

- November 5, 1987    The Public Utilities Advisory Committee approved the Watershed Management Plan. Salt Lake City Watershed Management Plan 1988. Page 77-78; Recommendation: Salt Lake City should establish a formal program for canyon land and water rights acquisition in critical watershed areas, and finance the program through a dedicated fund with revenues from a rate increase to the minimum portion of the bill to all customers. **(TAB 1)**
- January 8, 1988    Letter of transmittal from LeRoy W. Hooton, Jr. to the Salt Lake City Council recommending the City Council adopt Watershed Management Plan and its recommendations. **(TAB 2)**
- February 1, 1988    Public Utilities Advisory Committee minutes. He (Jim Lewis) noted that as part of Salt Lake City Watershed Canyon Management Plan it was recommended that the city create a fund to purchase watershed property and water rights. Mr. Lewis noted that the department recommends as part of the 1988-89 budget that surcharge be placed on the minimum charge of \$0.20 per month (\$2.40 per year) for residential  $\frac{3}{4}$ " x 1" meter and a proportional amount as shown for various meter sizes. The rate increase would generate \$250,000 per year for the purchase of watershed land and water rights. **(TAB 3)**
- February 9, 1988    Director's Report. Public Utilities Advisory Committee submits the Watershed Master Plan to Mayor DePaulis and 200 copies of the recommendations were sent to interested citizens. The Public Utilities Advisory Committee recommended a rate increase to fund the Watershed and Water Rights Acquisition Program. **(TAB 4)**
- February 24, 1988    *Salt Lake Tribune* article stating \$0.20 per month rate hike to establish a fund for purchasing watershed land. **(TAB 5)**
- April 5, 1988    Proceedings of the City Council: Salt Lake City Watershed Plan, regarding a public hearing at 6:40 p.m. to obtain public comment regarding a resolution adopting recommendations for the Salt Lake City Watershed Management Plan. In the discussion, he (LeRoy Hooton) said... and developing a watershed and water right acquisition fund to purchase critical watershed property. He said they were requesting in their 1988-89 budget proposal a permanent \$250,000 annual fund to purchase watershed by increasing water rates \$2.40 per year, with a \$4.80 decrease in sewer rates for city residents. **(TAB 6)**

April 20, 1988

Newspaper article: *Salt Lake Tribune*, Watershed Plan Approved by City Council, "creating a fund to add land to the 185 square miles the city owns in the watershed." (TAB7)

April

Item 3: Briefing on 1988-89 Budget Progress. The water budget proposes a \$0.20 per month increase for standard residential customers with proportional increases for other customers. The \$250,000 generated from this increase would be used for the purchase of watershed land and water rights. (TAB 8)

May 26, 1988

Newspaper costs rising sewer rates down. "Salt Lake residents will have to pay an average \$2.40 annual increase in their water bills, starting July 1, the City Council decided. The additional water surcharge will generate \$250,000 per year, which the council has earmarked to buy land in City Creek, Parleys and Little Cottonwood canyons to protect the city's watershed." (TAB 9)

April 22, 1999

1) Proceedings of the City Council of Salt Lake City, Working Session. "He (LeRoy Hooton) said another effort in the study would be to accelerate the watershed purchase program and have an increase in the amount of money (\$0.25 surcharge on each water bill)\* per month, to generate enough money to buy additional watershed property. As well as water rights, as they come available, tied to the canyon streams."  
2) Salt Lake City Watershed Management Plan, November 1999; Recommendation to Increase funding of the Public Utilities Watershed and Water Rights Purchase Fund. (TAB 10)

\* Ultimately the surcharge was increased by \$0.30 for a total of \$0.50 per month per bill.

Salt Lake City Department of Public Utilities  
Report on Watershed Lands and Water Rights Acquisition Fund  
April 2010

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Appendix C

Salt Lake City Department of Public Utilities 1988 Watershed Master Plan; pages 77 & 78;  
Containing Recommendation #5 Regarding the Establishment of a Watershed Land and Water  
Rights Acquisition Fund

should review the placement and condition of outhouses to afford maximum availability to the public.

### **5. Salt Lake City Land and Water Rights Ownership (Watershed Protection Fund)**

**Recommendation:** Salt Lake City should establish a formal program for canyon land and water rights acquisition in critical watershed areas, and fund the program through a dedicated addition to city water rates for all customers.

The city should develop objectives and a program to guide such exchanges and acquisitions that includes identification of all private lands and water rights in the canyons, criteria for land and water rights acquisition, and prioritization of areas for acquisition based on potential impacts on the watershed.

Any land and water rights acquisition program or plan should include the flexibility for the city to accept donations of land and water rights, and for other options.

**Implementation:** Immediate (seek as part of 1988-89 budget).

**Recommendation:** Salt Lake City should pursue land exchanges with the U.S. Forest Service to consolidate public land ownership in the canyons for more effective watershed management.

**Implementation:** Immediate, ongoing.

**Explanation:** In the latter part of the 19th century, Salt Lake City aggressively pursued the acquisition of private lands to protect city watersheds in the northern Wasatch canyons of the Salt Lake Valley. With the establishment of the Wasatch National Forest at the turn of the century, federal public lands were reserved from disposal and the city land acquisition program for watershed protection stalled. Much remaining canyon land that may be critical for watershed protection is in private ownership, and remains a potential threat to watershed protection.

With a small addition to the average Salt Lake City water customer's bills (two-to-five dollars per year), Salt Lake City could establish a fund to acquire prioritized lands for critical watershed protection. Through such a land acquisition program, all Salt Lake City water users would benefit from better watershed protection, assuring continued high quality water.

All revenues from such an increase in water rates should be dedicated to the land and water rights acquisition program.

Establishing land acquisition objectives and plans can maximize utilization of limited land acquisition dollars, anticipate acquisition opportunities, and help resist responding to varying pressures of the moment. A rational approach guiding city land acquisitions would include an inventory of all private lands, the development of criteria and qualifications for selecting lands critical for watershed protection, and a prioritization of lands to be acquired.

Since the early days of settlement of the Salt Lake Valley, Salt Lake City has acquired water rights in the canyons to provide valley inhabitants with a secure, high quality water supply. Today Salt Lake City owns the vast majority of the water rights in the canyons, providing an ample, inexpensive source of water. Salt Lake City should continue to acquire water rights in the canyons as they become available to retain this excellent source of water.

Of lesser priority, but still desirable, is the continued pursuit by Salt Lake City of land exchanges with the U.S. Forest Service in the Wasatch canyons. The northern canyons (City Creek, Red Butte, Emigration, and Parleys) are in a checkerboard public land ownership pattern with alternating city and forest service ownership.

While the forest service and Salt Lake City have compatible management objectives for watershed protection, both government entities could achieve efficiencies in management through a concentration of land ownership in certain canyons and parts of other canyons. Salt Lake

City and the U.S. Forest Service should aggressively pursue the land exchange program that has been initiated, including the pursuit of congressional action to facilitate consummation of the beneficial exchange objectives.

## **6. Public Education Program for Salt Lake City Watersheds**

**Recommendations:** Salt Lake City should initiate and maintain on an ongoing basis an information campaign on the role of the canyons for watershed and water supply, including ground water, activities in the watersheds, public responsibilities in the watersheds, and policies and jurisdictional responsibilities in the watersheds.

The campaign could include fliers in water bills, brochures on watersheds, periodic press releases on watershed activities and conditions, and proactive involvement in school programs, community councils, and other community and civic organizations. In addition, signs should be placed at heavily used areas in the watersheds reminding the user public that their uses affect the water they drink.

A canyon guidebook that lists each jurisdiction's responsibilities, agency contacts and their phone numbers, and summarizes canyon policies should be prepared and widely disseminated by Salt Lake City.

**Implementation:** 1988, ongoing.

**Explanation:** In the course of this planning effort, it has been apparent that the role of Salt Lake City and watersheds in canyons management is not widely understood or appreciated. To broaden public understanding of the canyons' service to the Salt Lake Valley as watersheds, Salt Lake City should initiate a public information campaign that could inform the public about roles and responsibilities of the various jurisdictions in the canyons and invite public participation in watershed management decision making.

Because of the multiple jurisdictions with responsibilities for different aspects of watershed

management, it is recommended that Salt Lake City coordinate this information campaign with other major federal, state, and local government agencies that have an interest in watershed management.

Salt Lake City should select from among the many forms of public information those approaches to best reach a broad spectrum of the Salt Lake Valley citizenry.

## **7. Instream Flows (Retention of minimum stream flows)**

**Recommendation:** The full appropriation of water rights in the Wasatch canyon streams and their ongoing committed purpose of providing water supply for the Salt Lake Valley prevents Salt Lake City from committing waters currently used by the city to instream flows. However, Salt Lake City recognizes the value of retention of minimum stream flows in the Wasatch canyons for aesthetic and ecological objectives. Salt Lake City should review the potential for committing water rights to instream flows on a canyon-by-canyon and case-by-case basis (See City Creek recommendations).

In water development projects relating to canyon streams, Salt Lake City should consider retention of minimum flows in the streams to maintain aquatic and riparian habitat.

**Implementation:** Ongoing, 1990 for individual canyons review.

**Explanation:** From the early days of settlement of the Salt Lake Valley, canyon streams have been utilized to provide the lifeblood of a desert community. Like other western states, Utah established a system establishing water rights on the basis of "appropriating" water to "beneficial" use by diverting water from the stream and consuming the water for irrigation, municipal, or industrial uses.

Traditionally, a water right can only be established by diverting water from a stream, thus establishing a "beneficial" (consumptive) use.



Appendix D

Memorandum from LeRoy W. Hooton, Jr. to Ray Montgomery, City Attorney, Requesting a  
Resolution from City Council to Adopt the 1988 Watershed Master Plan

# **SALT LAKE CITY CORPORATION**

LEROY W. HOOTON, JR.  
DIRECTOR

JOSEPH S. FENTON  
SUPERINTENDENT, WATER RECLAMATION

WENDELL E. EVENSEN, P.E.  
SUPERINTENDENT  
WATER SUPPLY & WATERWORKS

DEPARTMENT OF PUBLIC UTILITIES  
WATER SUPPLY & WATERWORKS  
WATER RECLAMATION  
1530 SOUTH WEST TEMPLE  
SALT LAKE CITY, UTAH 84115

PALMER DePAULIS  
MAYOR

## M E M O R A N D U M

TO: RAY MONTGOMERY, CITY ATTORNEY

FROM: LEROY W. HOOTON, JR., PUBLIC UTILITIES

RE: RESOLUTION FOR WATERSHED MANAGEMENT PLAN

DATE: JANUARY 12, 1988

Will you please prepare a resolution for the City Council to adopt the Salt Lake City Watershed Management Plan (See enclosed).

LWH:ETD:mf

ENC.

LEROY W. HOOTON, JR.  
DIRECTOR

JOSEPH S. FENTON  
SUPERINTENDENT, WATER RECLAMATION

WENDELL E. EVENSEN, P.E.  
SUPERINTENDENT  
WATER SUPPLY & WATERWORKS

## SALT LAKE CITY CORPORATION

DEPARTMENT OF PUBLIC UTILITIES  
WATER SUPPLY & WATERWORKS  
WATER RECLAMATION  
1530 SOUTH WEST TEMPLE  
SALT LAKE CITY, UTAH 84115

PALMER DEPAULIS  
MAYOR

January 8, 1988

TO: Salt Lake City Council

RE: SALT LAKE CITY WATERSHED MANAGEMENT PLAN

Recommendation: That the City Council adopt the Salt Lake City Watershed Management Plan and Recommendations.

Availability of Funds: There will be no budget impact during the current F. Y. 86-87 budget. Implementation of the plan recommendations will be included in the Public Utilities Department's F. Y. 87-88 budget, at which time the Council can approve the appropriation levels to fund specific recommendations.

Discussion: Salt Lake City received approximately 60,000 acre feet of water supply from its 185 square miles of Wasatch Canyon watershed lands east of the Salt Lake Valley. The value of this resource has always been recognized by City leaders and from our early history to the present time, measures have been taken to protect the watersheds and preserve water quality in the various canyon streams. The Salt Lake Valley receives less than 16-inches of precipitation and the water from the Wasatch Mountains in the form of snowmelt has allowed the settlement and development of the Salt Lake Valley. For over a 100-years, this source of water was the only major source of high quality water for the Valley until imported Deer Creek water was introduced during the early 1950's.

As we face the future, the protection of the canyon watersheds becomes even more important as we face more stringent water quality standards under the Safe Drinking Water Act (PL.93-523) and the Water Pollution Control Act (PL.95-500). As water quality standards are becoming more stringent, the potential for pollution is becoming greater because of the demand for development and recreation opportunities within the canyons. This will continue to increase in the future as

the wasatch front population increases and economic development efforts through commercial activities continues to draw visitors into the area.

The Salt Lake City Watershed Management Plan has been conducted by Bear West over a 18-month period with extensive public participation. The Public Utilities Advisory Committee has overseen the effort and approved the Plan at their November 5, 1987, meeting. The City Planning and Zoning Commission approved the Plan on November 19, 1987.

The Plan will provide a comprehensive program to protect the City's watershed and manage this precious resource for future generations.

Submitted by:

---

LERROY W. HOOTON, JR.

Director

/co

FORMS:7

Appendix E

Meeting Minutes of the Public Utility Advisory Committee, dated February 17, 1988, Regarding  
Discussion to Increase Water Rates to Fund a Water Land and Water Rights Acquisition Fund

Mr. Keyser moved that the city right-of-way at 2800 East Big Cottonwood Road be declared surplus. Mr. Robinson seconded the motion, with all voting "Aye".

PROPERTY TRANSACTION - Request to purchase canal property at 25 West 9000 South

He noted that those wishing to purchase the canal property at 25 West 9000 South wish to use the property for parking and commercial purposes. Mr. Doxey noted that it is city policy that when canal property is purchased the individual purchasing the property is required to take care of the costs required to cover and pipe the canal. If the property isn't sold it may be leased within the city's policies.

Mr. Keyser made the motion that the canal property at 25 West 9000 South be declared surplus provided the purchaser be required to cover and pipe the canal as city policy requires. If not it may be leased. Mr. Robinson seconded the motion, with all voting "Aye".

1988-89 WATER AND SEWER UTILITY BUDGET REVIEW  
RECOMMENDED WATER RATE INCREASE TO FUND CANYON WATERSHED PROPERTY  
ACQUISITION PROGRAM AND A DECREASE TO BALANCE THE 201 CASH FLOW PLAN

Mr. Hooton pointed out that the financial subcommittee has been briefed on the proposed budget. Mr Hooton explained that he feels the proposed water rate increase and sewer decrease are fair to all customers as no one in Salt Lake City will see a net increase in their water and sewer utility bill.

Mr. Lewis asked that the committee first address the recommended water rate increase to fund the canyon watershed property acquisition program and decrease to balance the 201 Cash Flow plan due to the fact that it is a major budget policy issue. He noted that as part of the Salt Lake City Canyon Watershed Management Plan it was recommended that the city create a fund to purchase watershed property and water rights. Mr. Lewis noted that the department recommends as part of the 1988-89 budget that a surcharge be placed on the minimum charge of \$0.20 per month (\$2.40 per year) for a residential 3/4" x 1" meter and a proportional amount as shown for various meter sizes. The rate increase would generate \$250,000 per year for the purchase of watershed land and water rights.

Mr. Lewis noted that in reviewing the sewer utility 201 Cash Flow plan with the revised projections for 1988 and budget requests for 1988-89 it is anticipated that the sewer rates could be reduced and still fund the future sewer treatment plant on a cash flow basis. The sewer rate reduction would be from \$0.90 to \$0.85 which would reduce the average residential user by \$0.40 per month or \$4.80 per year based on winter water use average. The minimum charge currently is \$3.35 (419 cubic feet), which would go down if approved to \$3.15. Mr. Lewis noted that the funds in the sewer utility 201 Cash Flow plan are earning 7.5 percent interest. Approximately 35 percent of the residents in Salt Lake City pay only a minimum charge.

Mr. Keyser moved that the recommendation to increase the city's water rates through a surcharge on the minimum charge of \$0.20 in order to fund purchase of watershed property and water rights be approved. Mr. Chong seconded the motion, with all voting "Aye".

Mr. Keyser moved that the recommendation to decrease the city's sewer rate from \$0.90 to \$0.85, sewer minimum charge would go down from \$3.35 to \$3.15 per month, and still fund the future sewer treatment plant through the 201 Cash Flow plan be approved. Mr. Chong seconded the motion, with all voting "Aye".

BUDGET REVIEW (Water)

Mr. Lewis noted that the proposed water utility budget reflects a decrease of one full time position within the department due to the fact that E. Tim Doxey is taking over the position of Wastewater Superintendent and that his position as Contracts and Construction Administrator will not be filled. Mr. Doxey will serve in both positions. He noted that there is a 2 percent increase in salaries and the majority of it is for salary contingency, \$315,000. The contingency is to cover salary negotiations and merit increases which are part of union negotiations. He noted that operating expenditures are increasing by \$111,000. He explained that overall the budget is 6 percent more than last years actual and 4 percent less than estimated in 1987-88. Mr. Hooton explained that one reason for the 2 percent increase is related to Metropolitan Water purchases and pumping costs. The committee noted the Administrative Service fee listed in the budget should be reviewed in more detail. Mr. Lewis noted that overall the water utility budget is decreasing due to a lower proposed capital improvement program.

Mr. Chong moved that the proposed 1988-89 budget for the water utility be approved subject to the Administrative Service fee being reviewed in detail. Ms. Atwood seconded the motion, with all voting "Aye".

BUDGET REVIEW (Sewer)

Mr. Lewis noted that the proposed sewer utility budget is not requesting any change in the manning document. However, personnel services will increase by 3 percent. The contingency of \$101,095 is to cover salary negotiations and merit increases. Operations will be increasing by 4 percent overall. The major increases are in fleet maintenance, risk management and administrative service fees. Mr. Lewis explained that overall the sewer utility budget will decrease 2 percent, \$435,000. The committee expressed approval for the proposed wetlands park.

Mr. Tuddenham noted that the committee is concerned about the administrative service fee that is being charged to the Public Utilities Department. He noted that it would be beneficial for the entire committee to review the administrative service fees in more detail, dollar values, etc. Mr. Lewis noted that he would prepare this information for the committee.

Appendix F

Department of Public Utilities Director's Report to City Council, including a Reference to the  
1988 Watershed Master Plan and the Watershed Lands and Water Rights Acquisition Fund





**SALT LAKE CITY CORPORATION**

LEROY W. HOOTON, JR.  
DIRECTOR

JOSEPH S. FENTON  
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DEPARTMENT OF PUBLIC UTILITIES  
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1536 SOUTHWEST TEMPLE  
SALT LAKE CITY, UTAH 84115

PALMER DEPAULIS  
MAYOR

DIRECTOR'S REPORT

FEB. 1988

Pretreatment Ordinance Violation:

As part of the Clean Water Act (PL. 92-500), Salt Lake City passed a Pretreatment Ordinance on August 9, 1982, which was approved by the Environmental Protection Agency on July 28, 1983. The purpose of the ordinance is to control industrial discharges into the sanitary sewer system which either by type of pollutant or volume is incompatible with the wastewater collection and treatment facilities.

During January 1988, it was necessary to prosecute, the first industry to violate the city's pretreatment standards. This was after every effort to resolve the pretreatment problems that lead to the violations. Judge Michael Hutchings of the Fifth Circuit Court imposed the maximum penalty against J.R. Utah Company for \$125,000 on 25 counts, and ordered the company to pay the city nearly \$33,000 in restitution.

The circuit board manufacturing company discharged copper into the sanitary sewer system which violated the National Categorical Standards for Electro-platers and was shortening the life of the city's sludge application program at the Hinckley Farm on land owned by the Airport Authority.

Canyon Watershed Plan Recommendations:

The Wasatch Canyon Watershed Recommendations prepared by Bear West has been submitted to Mayor Palmer DePaulis for his approval and then to be submitted to the City Council for their adoption. The Department sent out 200 copies of the recommendations to interested citizens for their review; in the accompanying letter the citizens were notified that the recommendations will soon be before the City Council and that we would inform them of the public hearing date before this body.

Plan implementation has moved forward, with discussions with the United States Forest Service relative to the Salt Lake City/Forest Service land trades in City Creek, Emigration, Red Butte and the Parley's drainage. Also, included in the Public Utilities Advisory Committee's February agenda is a recommended water rate increase to fund the watershed property and water right acquisition program.

City Creek Filter Plant Construction Schedule:

Last fall the filter beds at the 33-year old City Creek Water Treatment Plant were inspected and it was found that the gravel and sand gradations had migrated, leading to a possible failure of the filter beds. This was brought before the Public Utilities Advisory Committee during the November 1987, meeting and the department has since had plans and specifications prepared for the beds to be reconstructed this spring. The project is expected to start during the first week of March 1988, and be completed by May 1, 1988, before the spring run-off reaches its peak.

Jordan Aqueduct Reach III Repaired:

The Bureau of Reclamation has indicated that the repairs to the Jordan Aqueduct Reach III have been completed and it will be ready for service this coming summer to meet Salt Lake City's water supply needs. The Public Utilities Department has let a contract to Davis Construction to install a 42-inch transmission main from the aqueduct at 2100 South and 3800 West to California Avenue beginning on February 15, 1988. This pipeline project will be completed this summer in order to deliver water into the city's distribution system.

The Salt Lake County Water Conservancy District Plans to Blend Jordan River Water with Provo River Water at the Jordan Valley Water Treatment Plant:

The Salt Lake County Water Conservancy District has conducted water quality studies to gain approval from health officials to blend Jordan River water at the Turner Dam (near the Utah County border) with Provo River water to be treated at the Jordan Valley Water Treatment Plant. They were successful in having the river classified "3C" which makes the water unusable for culinary water. Their studies also indicated that there was no chemical contaminants present in the water that would violate water quality standards under the Safe Drinking Water Act (PL. 93-523) except total dissolved solids which will require the blending to make acceptable.

The District's blending proposal has an effect on Salt Lake City as this water will be delivered through the Jordan Aqueduct Reach III to the city's distribution system. We are carefully evaluating their data to determine our position on this matter. This issue will be the subject of a future Public Utilities Advisory Committee agenda.

Irrigation Water Quality Monitoring and Testing Completed:

In recent years, there has been concern expressed that the irrigation water delivered by Salt Lake City as part of its "Exchange Agreement"

Director's Report  
February 9, 1988  
Page 3

has deteriorated. In an effort to determine if the irrigation water contained chemicals that made it unsuitable for irrigation, the Public Utilities Department hired Dr. Jerome Jurinak and the Utah State University Foundation to conduct a water quality monitoring program during the 1987 irrigation season. The comprehensive study monitored water quality at three points, the Jordan River Diversion at the Jordan Narrows, Cahoon and Maxfield and the Jordan and Salt Lake Canal. The report indicated that water quality was the same at all three sampling points and ". . . the maximum salinity of the Jordan River water diversions during the 1987 season is comparable to the calculated ten year (1975-1985) average salinity of the Colorado River Water at Imperial Dam, California ." In reviewing the entire report, we are comfortable with the results and that the irrigation water quality delivered to city exchange contracts is suitable for this purpose and that there are no harmful chemicals present in the water.

LWH:mf  
89:29

Appendix G

Salt Lake City Tribune, "Budget Plan May Aid Watershed," February 24, 1988

TRIB 2/24/88

# Budget Plan May Aid Watershed

Salt Lake City could have money to buy land to protect its watershed if the City Council adopts a budget proposed for the Public Utilities Department.

The proposed budget for fiscal year 1989 includes a 20-cent-per-month hike in water rates to establish a fund for land purchases along the city's watershed, said department director LeRoy W. Hooton Jr.

The increase would be coupled with a 40-cent-per-month decrease in sewer rates.

The hike in water rates and cut in sewer rates would leave average residential water and sewer users with an overall \$2.40 per year decrease in the combined rates, Mr. Hooton said.

The proposed water-rate hike would raise about \$250,000 a year for the city to buy land in seven canyons along the Wasatch Front that provide about 60 percent of the city's water supply.

The purchases would add to the 185 square miles of watershed that the city already owns, Mr. Hooton said.

The nine-member Public Utilities Advisory Committee adopted a motion earlier this month to recommend the increase in water rates and decrease in sewer rates as part of the Utilities Department budget.

The committee voted in November to recommend that the city establish the fund to buy land as part of an overall plan to protect the city's watershed.

The budget and the watershed plan have yet to be presented to the City Council, which will make the final decision on both proposals.

The city initiated the watershed plan because demand for water is expected to double in the next 20 years.

The city has bought land in the canyons to protect watersheds since 1883. More recently, it has acquired land through a series of exchanges with the U.S. Forest Service to consolidate its holdings while working with the federal agency to protect watersheds.

But most of the land exchanges have been completed, and more land needs to be acquired to ensure adequate watershed protection, city officials have said.

Appendix H

Proceedings of the City Council of Salt Lake City, Utah; Tuesday, April 5, 1988;  
pages 88-109 through 88-114

PROCEEDINGS OF THE CITY COUNCIL OF SALT LAKE CITY, UTAH

TUESDAY, APRIL 5, 1988

**DISCUSSION:** Doug Wheelwright, Planning and Zoning, addressed the Council and said that Mr. Wilkinson was one of the developers of the Brickyard Mall and at the time the brickyard property had been annexed, the two parcels in question had been excluded. He showed the Council the locations of the properties on a map and said that later as Mr. Wilkinson tried to develop other vacant parcels, problems occurred because of separate jurisdictions regarding the City and County, for example on a corner lot, one side would be under jurisdiction of the County and the other side under jurisdiction of the City, with possible complications of delivery of emergency services. He said the annexation of these two parcels would allow the development of the properties and the reclassification would make it compatible with the privately owned property.

Harold Wilkinson, 2912 Oakhurst Drive, stated his appreciation to Mr. Wheelwright and the City for their efforts with this development and said he felt it would help clean up the area and be a nice addition to the neighborhood.  
(P 88-27, P 88-28)

Parking Lots and Nonconforming Uses

**RE:** A public hearing at 6:30 p.m. to obtain public comment regarding a proposed ordinance amending Section 51-8-4(3) of the Revised Ordinances of Salt Lake City, Utah, 1965, relating to parking lots and nonconforming uses.

**ACTION:** Councilmember Godfrey moved and Councilmember Horrocks seconded to continue the public hearing to May 3, 1988, at 6:30 p.m., and direct the City Recorder to re-advertise, which motion carried, all members voted aye.

No one from the audience addressed this issue.  
(O 88-5)

Salt Lake City Watershed Management Plan

**RE:** A public hearing at 6:40 p.m. to obtain public comment regarding a resolution adopting recommendations for the Salt Lake City Watershed Management Plan.

**ACTION:** Councilmember Godfrey moved and Councilmember Fonnesbeck seconded to close the public hearing, which motion carried, all members voted aye.

Councilmember Kirk moved and Councilmember Godfrey seconded to adopt the resolution. After some discussion Councilmember Kirk withdrew the motion.

PROCEEDINGS OF THE CITY COUNCIL OF SALT LAKE CITY, UTAH

TUESDAY, APRIL 5, 1988

Councilmember Fonnesbeck moved and Councilmember Hardman seconded to table the resolution adoption until April 19, 1988, which motion carried, all members voted aye.

**DISCUSSION:** LeRoy Hooton, Public Utilities Director, addressed the Mayor and Council saying that much had happened to the Salt Lake Valley since the pioneers settled it in 1847. He said the population in Salt Lake County was now 700,000, that the Wasatch Canyons provided vast recreational opportunities, that there was a multi-million dollar ski industry using the canyon watersheds, and that most importantly, the Wasatch Canyons provided drinking water for nearly 500,000 people residing in the city's service area and there were very stringent drinking water standards mandated by federal law. He said because of the increasing demands on both water supply and the watersheds, it was necessary to develop a plan to meet their future needs and this plan addressed these issues. He said the City's plan was based on water supply and quality, and was a companion study to the County's plan which would be premised on land use criteria. He said that all governmental jurisdictions in the canyons agreed that watershed for water supply was the best use for this resource. He said the plan called for the following: sewer lines in Emigration and Big Cottonwood Canyons; increasing watershed enforcement programs; building a water treatment plant in the mid 1990's to develop the water supply in Milcreek Canyon; and developing a watershed and water right acquisition fund to purchase critical watershed property. He said they were requesting in their 1988-89 budget proposal a permanent \$250,000 annual fund to purchase watershed by increasing water rates by \$2.40 per year, with a \$4.80 decrease in sewer rates for city residents. He said the plan had been approved by the Public Utilities Advisory Committee and by the Planning Commission. He expressed his appreciation to all who had participated in the plan. Mr. Hooton made note of a letter received from Colonel Fred J. Hillyard, Fort Douglas, who requested that Fort Douglas' water uses be clarified in the Watershed Management Plan.

Ralph Becker, consultant for Bear West, addressed the Council. He said they had received cooperation from city and county government, the City County Board of Health, the U.S. Forest Service, and from the public which he felt had enabled them to be aware of the major issues relating to watershed in the canyons. He said they held a public meeting in October 1986 and were provided with many comments and concerns. He said they also received written comments. He said they then began an extensive data collection effort regarding the quality of water in the canyons, the current land status, and many other issues. He said a draft plan was published in May 1987 containing a summary of information and options. He said all jurisdictions involved then met in a series of sessions to review the draft and determine preliminary recommendations. He said these were then reviewed and published for comment in September 1987, after which another meeting was held to obtain public comment. He said the group of public officials again reworked the preliminary recom-



PROCEEDINGS OF THE CITY COUNCIL OF SALT LAKE CITY, UTAH

TUESDAY, APRIL 5, 1988

mendations and after many meetings with the Public Utilities Advisory Committee and its sub-committee, they arrived at recommendations which had been reviewed by the Planning Commission. He said they felt the recommendations would move the City into the next century with as good or better watershed status than they had now.

The following people spoke in support of the plan:

Dr. Harry Gibbons, Director City County Health Department  
Mary Reilly, League of Women Voters  
Hermoine Jex, SLACC Land Use and Natural Resources Committee  
Charles W. Wilson, 2690 Parley's Way  
Darrell Scow, Public Works Director, Sandy City  
Milton Hollander, 2561 Valley View Avenue  
Nick Norton, 1208 Harvard Avenue  
Joseph T. Sargent, Emigration Canyon Community Council  
Dr. Howard Garber, Utah Wilderness Association  
Michael Budig, Save Our Canyons  
Jon R. Miller, Economics Professor, U of U

Individuals expressed support for maintaining a high quality of water, pollution control, watershed protection, public education and participation in the plan, monitoring degradation in the canyons, and necessary land acquisition. Ms. Jex asked about the 50 and 100 foot stream setbacks required in the plan, as her committee had contacted many other states that required a 200 to 300 foot setback. She wanted to know the status of the recently acquired Bertinoli property in Emigration Canyon. She was concerned about the canyon's surplus sales policy and who would be establishing it, and wanted a list of persons who would secure the surplus water if the moratorium was lifted. She was concerned about the possibility of Salt Lake County 'folding' to Solitude's development plan and refusing to wait until the canyon master plan was complete. She said the city must be involved in the county development considerations. Mr. Wilson said he felt that government councils should consider a recommendation that uniform regulations be applied to all canyon watersheds, regardless of size, where culinary water was being served in the county. He said there was a need to know more about the relationship between the canyons and the ground water areas in the valley. Mr. Norton expressed concern that the plan did not adequately address water conservation, the ground water contamination problem, or use of culinary water for irrigation purposes. He agreed with the purchase of watershed land as long as it remained multi-use, but felt it should be coordinated with those doing the open-space plan. Mr. Sargent asked whether the City could initiate the annexation of Emigration Canyon or if it had to be done by residents, and if the 1989 schedule for annexation and sewer construction was feasible or possible. He asked if the water supply would come with the proposed sewer line and how far up the canyon it would go. He wondered what the anticipated costs would be for both the City and residents. He said some

PROCEEDINGS OF THE CITY COUNCIL OF SALT LAKE CITY, UTAH

TUESDAY, APRIL 5, 1988

disadvantages of the sewer line were: it would export water from the canyon to the Great Salt Lake; thus increasing demand on the city's water supply; vegetation would dry out and increase fire danger; the service load on the city's sewage plant would be increased; construction of the sewer would permanently damage stream ecology; many homes were right on the creek bed and the sewer line would have to follow it for drainage so construction of the sewer might cause more environmental damage than existing conditions caused; and the costs would add a huge financial burden. He requested that the Emigration Canyon Community Council be kept informed regarding those developments. Dr. Garber suggested that there needed to be another study done on water quality. He said there was no data available on how air pollution from auto emissions and other sources could lead to acid deposition and other water pollution. He said there had been no analysis of road salting, mine tailings, parking lots, or construction and its effect on water quality. He said they felt that the data regarding water quality deterioration was not sufficient alone to justify the need for a sewer in Big Cottonwood Canyon and the plan did not identify why water quality in that canyon had shown a slightly downward trend and that a sewer alone might not alleviate the problem. He said that less drastic measures could be implemented, such as requirements that picnic and recreation areas be located adequate distances from the stream. He said that before a sewer was advocated, pollution sources needed to be identified and the desired level of development should be determined. Mr. Budig said his group supported the review, on a canyon by canyon basis, of in-stream flows but they would like to see the city establish a policy of minimum in-stream flows. Mr. Miller said he was concerned that the water planning had been done without a clear picture of future demand and supply of water in the valley. He said there was a need to be specific regarding the need for future water development because if not you were at the mercy of those who wished to develop all water supplies as soon as possible, regardless of the cost, and it was a very costly undertaking. He suggested that before the city built a water treatment plant in Milcreek Canyon, developed Emigration Canyon for water supply, or paid the Bureau of Reclamation in the future for water from the Jordanelle Dam they should look at the water surpluses that occur.

The following people opposed the plan:

John L. Anderson, 629 Lake Street

James Light, Big Cottonwood Canyon resident

Mr. Anderson said he was opposed to the city's being able to purchase privately owned property located on the watershed areas. He said the city already owned approximately 185 miles of the watershed area, whereas, if this were privately owned it would have generated millions of dollars of taxes which could have been deducted from the tax crunch property owners were now feeling. He said that private ownership of land was sacred and should be protected. He said that approximately

PROCEEDINGS OF THE CITY COUNCIL OF SALT LAKE CITY, UTAH

TUESDAY, APRIL 5, 1988

66% of Utah was owned by government agencies, so no taxes were paid on these properties, which meant that the other 34 percent paid 100% of the property taxes for the entire state. He gave some examples of how and why taxes were started and then eventually mushroomed, such as the federal income tax, state sales tax and sewer tax. Mr. Light questioned the feasibility of a sewer line in Big Cottonwood Canyon as the water flows dropped drastically during the winter. He said in the previous two years it had dropped to 4 gallons per minute, which wasn't enough to run a sewer line. He said the sewer line would be a big expense and eventually force property owners to sell out.

Four persons filled out registration cards who were neither in support nor opposition, did not wish to speak, but submitted comments.

Councilmember Hardman questioned whether the Water Department had eminent domain and Roger Cutler answered that the city had the power of eminent domain for the Water Department. Councilmember Hardman asked who owned the properties the city would be interested in purchasing and Mr. Hooton answered that the Forest Service owned 62%, private owners 20%, the city 18%, and the County 1%.

Councilmember Kirk asked if Mr. Hooton was aware of the water surpluses mentioned by Mr. Miller. Mr. Hooton said that last year the full allocation in Deer Creek was used, all canyon streams were used and all wells were pumped and they had ended with a zero water supply.

Councilmember Foncesbeck said Mr. Miller meant that although the water available to them was made use of, there was a tremendous amount of water going through the city that was never used. Mr. Hooton said only about 1/3 of the water coming from the canyons was used, as it would require dams in all the canyons to capture the water into reservoirs, and it was easier said than done.

Councilmember Kirk asked Mr. Hooton if they had previously heard from Mr. Miller or the other persons who expressed questions and suggestions at the meeting regarding the plan. Mr. Hooton said they had extensive public participation but he had not heard Mr. Miller's comments prior to this meeting.

Councilmember Godfrey said there had been a lot of input regarding development in the canyons and asked Mr. Hooton what he saw as being the line between protecting water quality and preventing development in the canyons. Mr. Hooton said they had tried to focus on water quality and watershed protection issues and allow the County to develop their master plan with the city's input, as the County had jurisdiction over the planning and zoning. Councilmember Godfrey asked if the city could step in, if it became necessary, and tell the County that something was not acceptable regarding land use, and Mr. Hooton said that the city had extraterritorial jurisdiction to protect its water supply.

PROCEEDINGS OF THE CITY COUNCIL OF SALT LAKE CITY, UTAH

TUESDAY, APRIL 5, 1988

He said in the early 1950's City Creek became polluted and overused and the water department closed the canyon to public use for 10 years. Councilmember Godfrey asked if there was a way to ensure that the watershed plan was not misused in preventing development. Mr. Hooton said that was why they were allowing the County to carry out their responsibility and the city was focusing on its responsibility and hopefully they would both be doing a good job. Councilmember Godfrey asked if conservation had been addressed, and Mr. Hooton replied that the city's policy was that water should be wisely used and not wasted and that people should pay for what they used, so this provided the opportunity for people to conserve. Councilmember Godfrey said it was mentioned that the city used more water per capita than others, and Mr. Hooton said that was correct. He said this was because of our semi-arid climate, and that people liked their gardens, lawns, golf courses, parks, etc., which meant irrigating. Councilmember Godfrey questioned Mr. Hooton regarding the purchase of watershed lands and said it had been recommended that these should be for multi-use purposes. Mr. Hooton said the city supported multi-use purpose lands as long as it did not affect water quality. Councilmember Godfrey asked Mr. Hooton about the need for a sewer line in Big Cottonwood Canyon and Mr. Hooton said it was necessary to have adequate flow to keep the sewer lines flowing properly and that even in the city it was necessary at times when there was not enough water, to use flush trucks to keep the lines flowing.

Councilmember Fannesbeck said she felt they needed another opportunity to look at the plan to consider the comments they had heard. She asked what the next step should be in meshing the City's and County's plans and bringing together a reunified use of the canyon. Mr. Hooton said the City's plan would be a supplement to the County's plan, and although they had not been prepared together they would be put together after completion. He said the same firm was preparing both plans so that would be a plus in meshing the two plans.

Councilmember Bittner said she hoped that everyone understood that there were separate issues involved, such as the annexation of Emigration Canyon which would be pursued separately.

Councilmember Kirk said she felt they had heard most of the comments before and asked Mr. Becker if they had been integrated into the plan. Mr. Becker said they had heard the majority of the comments and concerns expressed, and that most of them related to issues that were beyond the scope of what they were able to address. He said they had focused on the condition of the watersheds, how they were being managed, and how they could continue to manage them in a way that would assure good water supply and quality.

(C 88-678)

Appendix I

Salt Lake Tribune, Morning Edition, "Watershed Plan Approved by City Council;"  
April 20, 1988

# Watershed Plan Approved by City Council

A plan to manage Salt Lake City's watershed along the Wasatch Front got unanimous approval Tuesday from the City Council.

The 7-0 vote came about 13 months after the Department of Public Utilities first briefed the council on the plan to manage watershed in seven canyons that provide about 60 percent of the city's water supply.

Key provisions of the plan include:

- Retaining a moratorium on signing new water sales contracts for the city's water.

- Creating a fund to add land to the 185 square miles the city owns on the watershed.

- Recommendations to annex all of City Creek Canyon and Emigration Canyon to protect the watershed.

- Supporting the development of a sewer line the full length of Big Cottonwood Canyon and signing an agreement with Sandy and Alta to define each city's role in protecting the watershed in Little Cottonwood Canyon.

Before adopting the plan, the council added language directing that a subcommittee of the Public Utilities Advisory Committee make no recommendation on whether to continue the moratorium on new water sales contracts until after Salt Lake County completes a master plan on land use in the canyons.

The council also added language making clear that any annexation of Emigration Canyon would have to be initiated by residents in the canyon. Residents at an April 5 public hearing raised questions about both issues.

In addition, Councilman Alan Hardman met with Public Utilities Director LeRoy W. Hooton Jr. and resident John Anderson, 629 Lake St. (740 East) after the public hearing to answer questions Mr. Anderson raised about multiple use of watershed land at the public hearing.

Mr. Hardman said Mr. Hooton assured him and Mr. Anderson that the department would maintain a multiple use philosophy on watershed land the city has or acquires.

Councilwoman Sydney Fonesbeck told her colleagues that much of the comment at the public hearing centered on land use issues Salt Lake County must address. She urged Mr. Hooton keep the council informed on what the county proposes in its master plan for the county.

Wednesday Morning  
April 20, 1988

Appendix J

Briefing to City Council on 1988-89 Budget Process, Item 3

April 1988

I T E M 3

BRIEFING ON 1988-89 BUDGET PROGRESS



**Executive Summary**  
**Public Utilities Budget Analysis**

- \* The Public Utilities Department is proposing a water rate increase of \$.20 per month or \$2.40 per year for the average residential customer, to be offset by a \$.40 per month or \$4.80 per year decrease in the average residential sewer bill. The impact will be a \$2.40 total decrease in the average resident's bill. This rate change is intended to strengthen the relative financial position of the water utility.
- \* The Public Utilities Department has done an excellent job of setting aside reserves to fully fund present and future capital improvements and depreciation. The 201 Facilities Plan adopted for the sewer utility has been especially helpful to that fund in generating essential capital reserves.
- \* Utility revenues and expenditures are highly dependent upon weather conditions. If dry weather occurs the city must purchase additional water from the Metropolitan Water District and pay additional utility costs to pump that water to customers.
- \* Three staff recommendations are proposed in this report to enable the City to relieve cost pressure on the General Fund. They are 1) to transfer the storm sewer lift station maintenance from the Public Works Department to the Public Utilities Department; 2) to charge the Public Utilities Fund for police and fire services provided by the General Fund but not currently being charged; and 3) to amend the billing charge to the Garbage Enterprise Fund which would indirectly reduce the General Fund subsidy to that service.
- \* The proposed FY 1988-89 budget includes \$6.555 million in Capital Outlay for major trunkline replacement in the northwest quadrant. This is part of a six year \$16.555 million program.

## Overview of the Program

The Public Utilities Department provides water and sewer services for the residents of Salt Lake City and water treatment for the unincorporated parts of eastern Salt Lake County. Utility services are provided in compliance with strict federal water quality standards. The utility has developed a comprehensive long range capital improvement plan for the ongoing maintenance and development of water and sewer facilities and its rate system fully funds capital depreciation and operating costs.

The utility has earned regional and national recognition for excellence and operates as a sophisticated full-scale business enterprise. It has its own maintenance shop, engineering, and administration complex. Its nine member public advisory committee meets monthly to review operational performance, monitor capital improvements, and recommend policy. Funding for the utility is derived solely from water and sewer fees, rather than taxes.

The utility consists of a 105 square mile culinary water distribution system and an 85 square mile sanitary sewer service collection system. There are three dams and water storage reservoirs, three water purification plants, twenty-four deep wells and springs which provides the service area with a 144 million gallon treated water supply. Sewage is treated via a 45 Million Gallon per Day (MGD) wastewater treatment plant, which is in the process of being expanded to 56 MGD.

Water sales are approximately 30 billion gallons per year, and vary slightly year to year depending upon annual precipitation. The sewer system serves 48,000 sewer connections.

There are 248 full time water employees (277 FTE), and 108 full time sewer employees (111 FTE) for the proposed budget year. The number of full time and FTE employees has decreased by one in the proposed budget.

The proposed budget is \$43.497 million dollars, a 3% increase compared to the \$42.075 million budget approved for the current fiscal year. The proposed water budget is \$22.459 million and the proposed sewer budget is \$21.039 million. The budget proposal presumes favorable weather conditions, and actual figures will change based upon the amount of water which the water utility will buy during the year. Budget totals for the water utility are based upon a ten year average in projecting revenue and expenditures.

The water budget proposes a \$.20 per month increase for standard residential customers with proportional increases for other customers. The \$250,000 generated from this increase would be used for the purchase of watershed land and water rights. The sewer budget proposes a rate reduction from \$.90 to \$.85 which would reduce the average residential user's bill by \$.40 per month. The net impact of these rate changes is a savings of \$2.40 per year for the average customer.

## Budget Summary

The following is a summary of the combined utility budgets.

- \* The proposed budget reflects a 5% increase in Salary & Wages compared with the current year budget approved by the Council. It is 7% higher than the FY 1986-87 budget. The increases reflect the five reclassification studies that have been performed which affect salaries of Public Utility employees. They also reflect the fact that negotiated compensation increases had not been built in to last year's budget because the details of those negotiations were unknown at the time that the budget was proposed.
- \* Benefits requested are 2% lower than the current year. Increases in insurance, FICA, and non-contributory retirement have not been included in this line item and the department is aware that it has been underfunded.
- \* Travel/Training reflects a 6% increase compared to the current year but is 71% higher than actually spent in FY 1986-87. This increase reflects the department's specific intent to increase the training and certification of water and wastewater treatment technical personnel.
- \* Utilities are budgeted at 7% more than last year's approved total. However, they are 10% less than the FY 1987-88 12 Month Estimate and 5% lower than the FY 1985-86 actual totals. They may need to be revised upward during the year if weather conditions are dry. Actual totals are a product of the water utility's electrical costs during the year to pump water.
- \* Interfund Charges show a 6% increase as a group, compared with budgeted figures for FY 1987-88.
- \* Metropolitan Water Purchase & Treatment is 19% higher than last year's budgeted amount. However, it is also 19% lower than the projected actual for the current year. It reflects the dependence of the water utility on weather conditions.
- \* Other Capital Outlay is 208% of the total budgeted for FY 1987-88. This increase

reflects major trunkline replacement in the northwest quadrant. The total cost for that improvement is \$6.555 million in FY 1988-89 and \$16.555 million over the next six years.

- \* Overall, the total budget is 3% higher than the budget approved last year. However, it is 9% lower than the amended budget.

### Major Issues

The proposed rate changes will have no negative political ramifications and will actually reduce the total utility bill for utility customers in all major customer groups. The department is prepared to document a variety of scenarios demonstrating that fact, and Council may wish to focus its energies and attention on other budget issues with more serious ramifications. The significance of these proposed rate changes is that the sewer utility is clearly in a stronger position financially than the water utility. The 201 Program rate increase initiated in FY 1982-83 has enabled the sewer utility to fully fund capital expansion and depreciation and the proposed sewer rate decrease reflects the success of the sewer utility in being able to meet long term financial and capital improvement objectives.

The spreadsheet immediately following the explanation of the rate changes in your blue budget book documents the cash flow position of the sewer utility fund through 2005 and is a valuable document with which to monitor present and future revenues and expenditures and the net financial position of the sewer utility. It shows the impact of the reduced sewer rate on the bottom line cash position of this utility over the next seventeen years.

The water utility fund is dependent on weather conditions which simultaneously affect demand for water and water availability. This fund's profit margin decreases when its need to purchase supplementary water from the Metropolitan Water District increases.

The staff has identified two ways in which the Public Utility Fund could help relieve the financial burden of the General Fund.

The sewer utility is currently providing maintenance service for the storm sewer pumping stations and is charging the Public Works Department for this service. This service could be assumed by the sewer utility and save the General Fund between \$100,000 and \$160,000 annually.

The current General Fund Administrative Service Fee does not charge the Public Utility Fund for Police or Fire services provided. The cost of this service could also be added to the General Fund Administrative Service Fee charged to the Public Utilities. Enclosed is a complete spreadsheet which Jim Lewis provided that documents the Administrative Service charges by division, including the percent which the Public Utilities pay of the entire division's budget.

A third area which has been discussed with the Council is the billing charge assessed to the Garbage Enterprise Fund. If that billing charge is reduced and absorbed to a greater extent by the Public Utilities Fund, the net impact will be to reduce the General Funds subsidy of the Garbage Enterprise Fund deficit. Public Utility staff support a "fair and equitable" assignment of the billing costs.

#### **Staff Recommendations on Major Issues**

- 1) The Council should ask the Public Utilities staff to provide Council staff with key financial and management information which may reflect the need to amend the Public Utilities Fund budget on a quarterly basis. If the key indicators show that a budget amendment is likely, those reports should be presented to Council staff as soon as the Public Utilities staff have identified that assumed weather conditions or other essential budget assumptions have not occurred.
- 2) The Council should request the administration to determine the net impact to the Public Utilities Fund and the General Fund if the sewer utility assumes responsibility for storm sewer lift station maintenance on a permanent basis.
- 3) The Council should request the administration to determine the net impact to the Public Utilities Fund and the General Fund if the General Fund Administrative Service Fee is increased to reflect costs to the Police and Fire Departments to provide their services to the Public Utilities facilities.
- 4) The Council should request the administration to make a recommendation regarding the adjusting of the billing charge to the Garbage Enterprise Fund for garbage billing. The net impact on the Public Utilities Fund for the 1988-89 proposed budget should also be identified if they propose that this charge be reduced.

#### **Revenue Changes and/or Other Budget Adjustments**

Staff recommendations 2, 3, & 4 have an impact on the budget totals. The exact dollar impact should be reviewed by the administration and presented to the Council at a later date.

Appendix K

Salt Lake Tribune, "Water Costs Rising, Sewer Rates Down," May 26, 1988

## **Water costs rising, sewer rates down**

5/26/88

Salt Lake residents will have to pay an average \$2.40 annual increase in their water bills, starting July 1, the City Council has decided.

However, residents will see a net decrease in their bills, as sewer rates will be decreased by an average of \$4.80 annually, said LeRoy Hooton, city public utilities director.

The additional water surcharge will generate \$250,000 per year, which the council has earmarked to buy land in City Creek, Parleys and Little Cottonwood canyons to protect the city's watershed.

The city has targeted \$1.2 million of land, or about 600 acres, for purchase, to ensure future water quality based on a recently adopted Watershed Management Plan.

Appendix L

Proceedings of the City Council of Salt Lake City, Utah Working Session with Inclusions from  
1999 Watershed Master Plan, pages 76 and 77



PROCEEDINGS OF THE CITY COUNCIL OF SALT LAKE CITY, UTAH  
WORKING SESSION

The meeting was called to order at 5:38 p.m.

AGENDA ITEMS

#1. RE: RECEIVE A BRIEFING REGARDING THE 1999 WATERSHED  
MASTER PLAN.

LeRoy Hooton briefed the Council using the attached handout. He said equally important as defending the City's water rights was the quality of the drinking water. He said watershed protection was a key element to protecting water quality. He said drinking water standards were becoming more stringent and there were more people using the canyons for recreational purposes. He said it was appropriate that the 1988 Master Plan be reviewed.

He said the most controversial recommendation was how, as a department, they would deal with new development within the canyons. He said the environmental community wanted the department to oppose every development in the canyons. He said ski resorts also wanted to study new development. He said the department finally ended up with language which gave the department the flexibility to study; then based on the evidence, oppose, mitigate, or deal with the development as it stood. He said they met with both groups and at this point were satisfied with the compromise language.

He said there was a need to gather scientific data. He said both sides agreed that there was not enough evidence to make decisions one way or the other. He said Salt Lake City was unique because of the canyons. He said there was not much scientific data on high mountain, fast moving, cold streams, to measure pollution. He said the department would undertake a major effort to gather the information needed for the next master plan review.

He said another effort in the study would be to accelerate the watershed purchase program and have an increase in the amount of money (25¢ sur charge on each water bill) per month, to generate enough money to buy additional watershed properties, as well as water rights, as they come available, tied to the canyon streams.

Mr. Hooton said because the Forest Service owned so much land in the canyon, and were subject to appropriations from congress and policies coming out of Washington, the department needed to develop a strong relationship with congressional

PROCEEDINGS OF THE CITY COUNCIL OF SALT LAKE CITY, UTAH  
WORKING SESSION

delegations, so they understood the City's problems.

He said another strong element of the recommendation was the need to have a good public information program to educate the public, school children, and others who used the canyons.

**Florence Reynolds** discussed the controversial additive SnowMax, used to make artificial snow at higher temperatures.

Councilmember Rogan suggested getting the information to the Community Councils. He said there were issues which he thought would be of interest to many people.

Mr. Hooton said doing so would also fit into their education process.

Councilmember C. Christensen asked if the master plan was time sensitive.

Mr. Hooton said they tried to meet their contractual obligations, but it was not accomplished. He said they had the time to do it right.

Cindy Gust-Jenson said on some larger issues the Council had opened up a 60-day comment period and had done an internet mailing, accepting comments in various forms. She asked if the Council wanted staff to send out a mailing.

Ms. Reynolds said the document was already on the internet.

**#2. RE: RECEIVE A BRIEFING REGARDING A PROPOSED ORDINANCE AMENDMENT RELATING TO THE "PERCENT FOR ART FUND."**

Councilmember Thompson said he thought the recommendations were good and would support the proposal.

Councilmember C. Christensen said his only concern was the cost for the artwork would come at the same time as the design phase. He said he was told that what would be added to the design phase would just be the planning portion of the art work itself and that the artwork would come with the construction phase. He said if this was the case he supported the amended proposal.

**#3. RE: RECEIVE A BRIEFING REGARDING THE MAYOR'S**

## F. LAND USE/GRAZING

### 1. Grazing in the watershed.

- **Recommendation:** Continue to support Forest Service efforts to phase out grazing.

**Implementation:** Ongoing.

**Explanation:** Salt Lake City and the Forest Service have agreed that grazing livestock in the watershed is not compatible with the best watershed management practices. Except for a few instances, livestock grazing occurs very infrequently in this watershed and would diminish further throughout the life of this plan.

- **Recommendation:** Increase the enforcement of livestock trespassing in the watershed.

**Implementation:** Establish a new system for enforcement of livestock trespassing in the watershed by January 1, 2001.

**Explanation:** Livestock may contribute significant impacts to the watershed when provided the opportunity to graze on watershed lands. In the past, agencies have been unable to impound a trespassing animal for a prolonged period of time. Arrangements will be made to hold trespassing livestock if necessary.

## G. LAND ACQUISITION

### 1. Increase funding of the Public Utilities Watershed and Water Rights Purchase Fund.

- **Recommendation:** Increase funding of Public Utilities Watershed and Water Rights Purchase Fund.

**Implementation:** Salt Lake City will address this issue by June 1, 1999.

**Explanation:** The current level of \$250,000 is inadequate to purchase strategically important watershed properties. Along with purchasing property, the Watershed and Water Rights Purchase Fund is needed to purchase water rights and mining rights. Property values in the canyons have increased steadily over the past two decades. Lots that have a water connection may cost well over \$100,000. Lots that do not have a water connection may be sold for approximately \$5,000 or less. Several hundred private lots still exist in the watershed and in order for Salt Lake City to purchase strategically important property, funding of the Watershed and Water Rights Purchase Fund must be increased.

- **Recommendation:** Encourage Salt Lake County and Forest Service to increase their watershed property acquisition efforts.

**Implementation:** Begin seeking funds immediately after the plan is adopted.

**Explanation:** Salt Lake City alone does not have adequate funding to protect the watershed through purchasing private property. Salt Lake County, Sandy City, and the Forest Service also have interests and responsibilities in the watershed. A coordinated land acquisition effort between Salt Lake City, Salt Lake County and the Forest Service would yield a greater amount of watershed protection.

Watershed property acquisition efforts may also be enhanced by partnering with businesses and private/non-profit organizations. A few parcels of land in the watershed have been purchased collaboratively with the help of several governmental and non-governmental organizations. These coordinated efforts have been successful in preserving watershed properties.

## 2. Use of innovative land use control strategies.

- **Recommendation:** Utilize innovative strategies such as conservation easements.

**Implementation:** Establish a set of innovative land-use control strategies and inform the public about the tax benefits associated with these strategies by June 1, 2000.

Appendix M

Salt Lake City Department of Public Utilities Watershed & Water Rights Purchase Fund,  
July 1, 1989 through June 30, 2009

**SALT LAKE CITY PUBLIC UTILITIES DEPARTMENT  
WATERSHED & WATER RIGHTS PURCHASE FUND - CONTINUED  
JULY 1, 1989 thru JUNE 30, 2009**

DATE OF PURCHASE	DESCRIPTION OF PURCHASE	NUMBER OF ACRES	SQUARE MILES	CANYON	VENDOR	AMOUNT PAID
SEP 20, 2000	BIG COTTONWOOD CANYON WATERSHED PROPERTY	0.2300	0.00	BIG COTTONWOOD	SALT LAKE COUNTY	9,850.00
SEP 20, 2000	LITTLE COTTONWOOD CANYON WATERSHED PROPERTY	2.5500	0.00	LITTLE COTTONWOOD	SALT LAKE COUNTY	43,730.00
OCT 10, 2000	BIG COTTONWOOD CANYON WATERSHED PROPERTY	0.2500	0.00	BIG COTTONWOOD	ROBERT L. & MARJORIE J. HOLT	6,450.00
OCT 11, 2000	BIG COTTONWOOD CANYON WATERSHED PROPERTY	2.5600	0.00	BIG COTTONWOOD	SALT LAKE COUNTY	35,115.00
JUNE 05, 2001	BIG COTTONWOOD CANYON WATERSHED PROPERTY	5.1800	0.01	BIG COTTONWOOD	CORY WILSON	120,333.02
JULY 31, 2001	BIG COTTONWOOD CANYON WATERSHED PROPERTY	155.4100	0.24	BIG COTTONWOOD	COALITION TITLE AGENCY	1,300,373.24
DEC 10, 2001	BIG COTTONWOOD CANYON WATERSHED PROPERTY	-	-	BIG COTTONWOOD	J. PHILIP COOK AND ASSOCIATES	2,500.00
DEC 10, 2001	BIG COTTONWOOD CANYON WATERSHED PROPERTY	-	-	BIG COTTONWOOD	J. PHILIP COOK AND ASSOCIATES	2,500.00
APR 17, 2002	BIG COTTONWOOD CANYON WATERSHED PROPERTY	0.2500	0.00	BIG COTTONWOOD	METRO NATIONAL TITLE	8,125.00
JUNE 18, 2002	BIG COTTONWOOD CANYON WATERSHED PROPERTY	39.2600	0.06	BIG COTTONWOOD	FIRST AMERICAN TITLE, PEGGY KNIGHT & ASSOC. J. PHILIP COOK & ASSOC., LANG, SMITH & ASSOC.	856,352.50
AUG 30, 2002	BIG COTTONWOOD CANYON WATERSHED PROPERTY	0.2300	0.00	BIG COTTONWOOD	FIRST AMERICAN TITLE	3,984.47
NOV 5, 2002	BIG COTTONWOOD CANYON WATERSHED PROPERTY	0.2200	0.00	BIG COTTONWOOD	FIRST AMERICAN TITLE	3,864.10
DEC 3, 2002	BIG COTTONWOOD CANYON WATERSHED PROPERTY	0.2700	0.00	BIG COTTONWOOD	SALT LAKE COUNTY	20,784.47
FEB 18, 2003	BIG COTTONWOOD CANYON WATERSHED PROPERTY	8.8200	0.01	BIG COTTONWOOD	FIRST AMERICAN TITLE UTAH POWER & LIGHT	13,878.53
FEB 18, 2003	BIG COTTONWOOD CANYON WATERSHED PROPERTY	9.8800	0.02	BIG COTTONWOOD	J. PHILIP COOK AND ASSOCIATES UTAH POWER & LIGHT	15,546.47
SEP 3, 2003	FRIENDS OF ALTA - NINE LOTS WATERSHED PROPERTY	2.7500	0.00	LITTLE COTTONWOOD	J. PHILIP COOK AND ASSOCIATES	185,175.00
SEP 5, 2003	BIG COTTONWOOD CANYON WATERSHED PROPERTY	45.4500	0.07	BIG COTTONWOOD	FIRST AMERICAN TITLE WESTERN DEVELOPMENT	115,500.00
SEP 12, 2003	LADY OF THE LAKE WATERSHED PROPERTY	0.3200	0.00	BIG COTTONWOOD	FIRST AMERICAN TITLE	8,435.60
NOV 21, 2003	FRIENDS OF ALTA - SIX LOTS WATERSHED PROPERTY	4.7200	0.01	LITTLE COTTONWOOD	METRO NATIONAL TITLE	120,125.00
DEC 19, 2003	ENVIRONMENTAL ANALYSIS	-	-	-	FIRST AMERICAN TITLE	2,493.98
DEC 16, 2005	LADY OF THE LAKE - LOT 17 WATERSHED PROPERTY	0.3700	0.00	BIG COTTONWOOD	SAGE ENVIRONMENTAL, LLC METRO NATIONAL TITLE	8,571.00
JAN 31, 2006	LOT 43 FOREST GLEN SUB PLAT C	0.5400	0.00	BIG COTTONWOOD	SAVE OUR CANYONS	100,187.77
AUG 31, 2006	LAMBS CANYON	3.8800	0.01	LAMBS CANYON	KENNETH FARR BECKSTEAD	77,141.24
NOV. 27, 2006	DONUT FALLS AREA	142.7700	0.22	BIG COTTONWOOD	SIERRA PARTNERS	1,289,159.13
JAN 15, 2008	BIG COTTONWOOD CANYON	0.3500	0.00	BIG COTTONWOOD	KEITH CARROLL TRUST	10,565.00
FEB 29, 2008	LAMBS CANYON	248.0000	0.39	LAMBS CANYON	WRIGHT FAMILY TRUST	2,002,463.95
DEC 9, 2008	LAMBS CANYON	10.9100	0.02	LAMBS CANYON	EMMA LYNNE D. CHACON	76,188.08
JUN 10, 2009	BIG COTTONWOOD CANYON	21.0000	0.03	BIG COTTONWOOD	DOUGLAS THOMPSON	278,835.88
	<b>SUB TOTAL</b>	<b>706.1700</b>	<b>1.10</b>		<b>SUB TOTAL</b>	<b>\$ 6,718,228.43</b>
	<b>GRAND TOTAL</b>	<b>1,681.2709</b>	<b>2.63</b>		<b>GRAND TOTAL</b>	<b>\$ 8,007,442.76</b>

**SALT LAKE CITY PUBLIC UTILITIES DEPARTMENT**  
**WATERSHED & WATER RIGHTS PURCHASE FUND - CONTINUED**  
**JULY 1, 1989 thru JUNE 30, 2009**

DATE OF PURCHASE	DESCRIPTION OF PURCHASE	NUMBER OF ACRES	SQUARE MILES	CANYON	VENDOR	AMOUNT PAID
NOV 30, 1989	BIG COTTONWOOD CANYON	108.0000	0.17	BIG COTTONWOOD	ZIONS FIRST NATIONAL BANK	\$ 243,500.00
SEP 30, 1990	SWANER PROPERTY & RIGHT OF WAY	135.9700	0.21	PARLEYS	LANDMARK TITLE	139,123.02
FEB 29, 1992	NEWELL W & DOROTHY F JENKINS MT DELL PARD SD LOTS 10 & 11			MT DELL PARK SD		850.00
FEB 29, 1993	D.EUGENE MOENCH	115.3600	0.18	BIG COTTONWOOD - 9600 EAST		51,416.66
APR 28, 1994	BIG COTTONWOOD WATERSHED PROPERTY			BIG COTTONWOOD	AMERICA WEST TITLE AGENCY INC. (MAXFIELD MINING COMPANY)	1,000.00
MAY 11, 1994	PARLEYS CANYON WATERSHED PROPERTY AT 7402 E I-80 EAST FREEWAY W/ CABIN & WATER RIGHTS	124.8700	0.20	PARLEYS	ASSOCIATED TITLE COMPANY CUTLER FAMILY LIVING TRUST GRANT M & LILLIAN L CUTLER ASSOCIATED TITLE COMPANY	324,272.04
JUN 21, 1994	BIG COTTONWOOD WATERSHED PROPERTY	150.8000	0.24	BIG COTTONWOOD	CONTRACT #019942215	99,125.00
JUN 30, 1994	PARLEYS CANYON WATERSHED PROPERTY	6.0600	0.01	PARLEYS	PARKS DEPARTMENT SALT LAKE COUNTY ASSESSORS OFFICE	87,956.78
NOV 21, 1994	CITY CREEK CANYON WATERSHED PROPERTY	5.7000	0.01	CITY CREEK	CLAYTON PROPERTY C/O MARGARET JONES CHRISTINE I DRAHEIM	157.57 1,542.43
MAY 31, 1995	PARLEYS CANYON WATERSHED PROPERTY	81.2480	0.09	PARLEYS	UDOT & TAX COMMISSION	81,248.00
JUNE 30, 1995	PARLEYS CANYON WATERSHED PROPERTY & BIG COTTONWOOD CANYON MINING CLAIMS	118.7500	0.19	PARLEYS & BIG COTTONWOOD	SALT LAKE COUNTY	55,439.00
AUG 31, 1995	BIG COTTONWOOD CANYON WATERSHED PROPERTY	19.0600	0.03	BIG COTTONWOOD	THE NATURE CONSERVANCY	22,975.00
AUG 31, 1995	LAMBS CANYON WATERSHED PROPERTY	14.0600	0.02	LAMBS		11,147.00
APR 04, 1996	BIG COTTONWOOD CANYON WATERSHED PROPERTY	69.2400	0.11	BIG COTTONWOOD	GARDNER, WW & WB INC.	34,122.00
JAN 31, 1997	CATHOTIC PROTECTION 4771 S 600 EAST	0.1329	0.00	ARTESIAN BASIN	BARTHOLOMEW DENNERY JR.	11,155.50
OCT 31, 1997	BIG COTTONWOOD CANYON WATERSHED PROPERTY	0.8900	0.00	BIG COTTONWOOD	CHERYL BRIMHALL	56,753.47
MAY 31, 1998	BIG COTTONWOOD CANYON WATERSHED PROPERTY	1.5000	0.00	BIG COTTONWOOD	ROBERT RENZA, ET. AL.	37,585.00
MAY 31, 1998	BIG COTTONWOOD CANYON WATERSHED PROPERTY	20.6300	0.03	BIG COTTONWOOD	MARION SMITH	15,625.00
DEC 31, 1998	LAMBS CANYON WATERSHED PROPERTY	1.5000	0.00	LAMBS	LYMAN SMITH	1,785.00
SEP 30, 1999	BIG COTTONWOOD CANYON WATERSHED PROPERTY	0.4200	0.00	BIG COTTONWOOD	SUSAN K. & PHILLIP C. SMITH	8,371.40
OCT 19, 1999	LAMBS CANYON WATERSHED PROPERTY	0.9100	0.00	LAMBS	BURRELL TRUST	4,064.46
	<b>SUB TOTAL</b>	<b>975.1009</b>	<b>1.52</b>		<b>SUB TOTAL</b>	<b>\$ 1,289,214.33</b>

**SALT LAKE CITY PUBLIC UTILITIES DEPARTMENT  
WATERSHED & WATER RIGHTS PURCHASE FUND  
JULY 1, 1989 thru JUNE 30, 2009**

**Watershed Land Purchase Fund**

Revenue collected from July 1, 1989 to June 30, 2003	\$250,000 Per Year	\$ 3,500,000.00
Revenue collected from July 1, 2003 to June 30, 2007	\$500,000 Per Year	2,000,000.00
Revenue collected from July 1, 2007 to June 30, 2009	\$1,000,000 Per Year	2,000,000.00
Loan from water utility fund		264,634.76
Land Sales		942,808.00
<b>Total Additions</b>		<b>\$ 8,707,442.76</b>
<b>Total Watershed Land Purchases</b>		<b>\$ 8,007,442.76</b>
<b>Water Rights = \$700,000 of the \$4.3 million Cahoon &amp; Maxfield Irrigation Co. Purchase</b>		<b>700,000.00</b>
<b>Total Purchases</b>		<b>\$ 8,707,442.76</b>
<b>Balance in Watershed Land Purchase Fund</b>		<b>\$ -</b>

**OTHER WATER LAND PURCHASES**

DATE OF PURCHASE	DESCRIPTION OF PURCHASE	NUMBER OF ACRES	SQUARE MILES	CANYON	VENDOR	AMOUNT PAID
NOV 14, 2000	14315 SOUTH 1300 WEST	1.9800	0.00	SALT LAKE CITY CANAL	SPRINGVIEW FARMS	56,592.64
JULY 18, 2001	12 FT WIDE EASEMENT @ 648 S LAKE ST	0.0000	0.00	-	GRABL, MARK & N LAND	1,000.00
MAY 27, 2003	EASEMENT PARLEY LOWER CONDUIT	0.0300	0.00	-	SLC BOARD OF EDUCATION	-
MAR 9, 2004	527 N PERRYS HOLLOW DRIVE	0.1000	0.00	-	SALT LAKE COUNTY REAL EST	295.00
MAR 31, 2004	644 W 200 N	0.2100	0.00	-	STATE HOUSING AUTHORITY	7,600.00
APR 21, 2004	1620 E 1700 S	0.3800	0.00	-	TRANSFER FROM SLC PROPER	380.00
NOV 25, 2008	1574 SOUTH JEFFERSON STREET	1.4200	0.00	-	FIRST AMERICAN TITLE	1,396,985.77
	<b>GRAND TOTAL</b>	<b>4.1200</b>	<b>0.01</b>		<b>GRAND TOTAL</b>	<b>\$ 1,462,853.41</b>

**OTHER STORMWATER LAND PURCHASES**

DATE OF PURCHASE	DESCRIPTION OF PURCHASE	NUMBER OF ACRES	SQUARE MILES	CANYON	VENDOR	AMOUNT PAID
SEP 22, 2005	DEED TO LEE DRAIN CANAL	0.0000	0.00	-	UTAH DEPT OF TRANSPORTAT	500.00
SEP 21, 2005	CWA #2 DRAIN LIFT STATION	2.2900	0.00	-		58,745.00
DEC 31, 2008	MIDDLE BRANCH OF BRIGHTON CANAL	1.9200	0.00	-	BRIGHTON & NORTH POINT	170,720.00
	<b>GRAND TOTAL</b>	<b>4.2100</b>	<b>0.01</b>		<b>GRAND TOTAL</b>	<b>\$ 229,965.00</b>