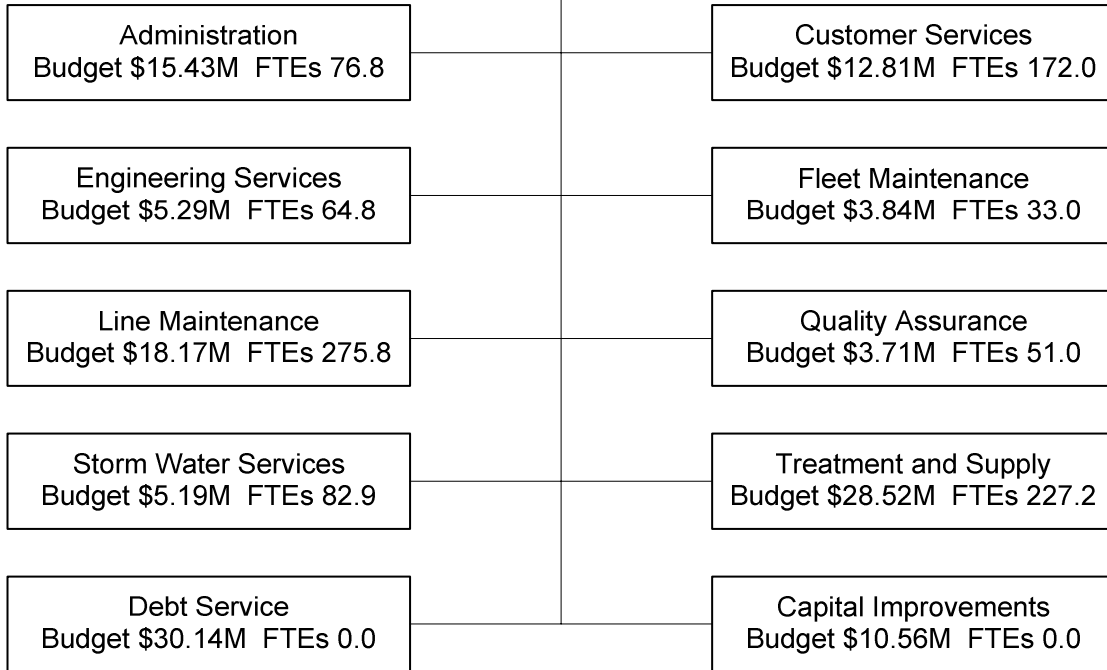


Water Services

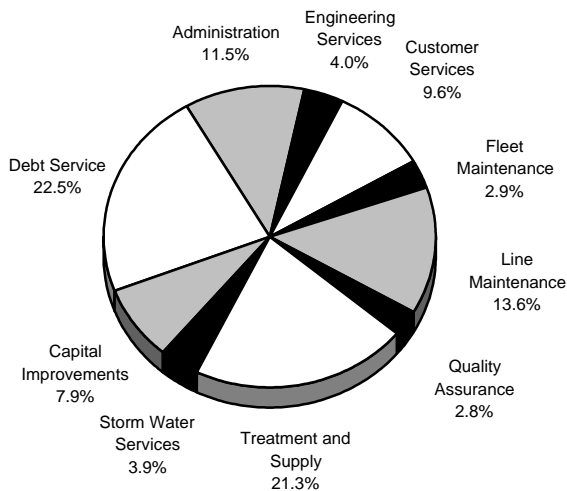
Budget \$133.66M FTE Positions 983.5



Departmental highlights

- Conduct 465,000 total drinking water tests
- Conduct 78,000 total waste water tests
- Replace 394 catch basins
- Repair 600 water main breaks
- Supply an average daily flow of 115 million gallons per day for consumption
- Handle 32,000 customer service calls

Budget by Program



Workforce Analysis - Full-time Employees

	Male	Female	Total
Management			
Minority	26%	22%	48%
Non-Minority	38%	14%	52%
Total	64%	36%	100%
Labor			
Minority	55%	12%	67%
Non-Minority	31%	2%	33%
Total	86%	14%	100%
Total			
Minority	43%	16%	59%
Non-Minority	34%	7%	41%
Total	77%	23%	100%

Water Services

Expenditures by Program

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Administration	\$ 14,181,668	\$ 17,192,015	\$ 15,428,815
Customer Services	10,722,853	13,036,663	12,810,972
Engineering Services	4,601,545	4,955,222	5,292,290
Fleet Maintenance	3,596,623	3,865,474	3,835,331
Line Maintenance	16,927,213	18,355,218	18,173,890
Quality Assurance	3,228,843	3,621,919	3,710,090
Stormwater Services	3,657,744	3,930,273	5,186,382
Treatment and Supply	31,604,702	28,376,453	28,520,839

Sub-Total Operating Expenses	\$ 88,521,191	\$ 93,333,237	\$ 92,958,609
Debt Service	23,948,726	27,032,680	30,142,590
Capital Improvements	31,942,879	11,747,251	10,556,146
Total	\$ 144,412,796	\$ 132,113,168	\$ 133,657,345

Expenditures by Appropriation Unit

Personal Services	\$ 38,093,585	\$ 42,318,601	\$ 46,347,319
Contractual Services	38,270,743	36,845,536	34,925,910
Commodities	10,303,380	11,269,825	9,939,155
Capital Outlay	1,853,483	2,899,275	1,746,225
Sub-Total Operating Expenses	\$ 88,521,191	\$ 93,333,237	\$ 92,958,609
Pass Through Payments	--	--	--
Debt Service	23,948,726	27,032,680	30,142,590
Capital Improvements	31,942,879	11,747,251	10,556,146
Total	\$ 144,412,796	\$ 132,113,168	\$ 133,657,345

Expenditures by Fund

Capital Improvements	\$ --	\$ 2,000,000	\$ 1,384,968
Water	92,651,332	76,735,390	74,826,310
Sewer	45,314,407	47,263,788	49,731,540
Stormwater	6,447,057	6,113,990	7,714,527

Total	\$ 144,412,796	\$ 132,113,168	\$ 133,657,345
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No. of Full Time Equivalent Positions	987.5	987.5	995.5
Less: Basic Services Position Pool	--	(12.0)	(12.0)
Net Full Time Equivalent Positions	987.5	975.5	983.5

Water Services

Program: ADMINISTRATION
Sub-Program: ADMINISTRATION

Program Activities

1. Coordinate the financial and planning activities of the city's water, wastewater and stormwater systems
2. Coordinate marketing/sales contracts with area water districts
3. Recruit, train and develop associates for the Water Department

Performance Measures

Outcome

1. Percent of surveyed citizens satisfied with water department services

Actual 2000-01	Adopted 2001-02	Estimated 2002-03
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N/A	80%	80%
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Expenditures by Appropriation Unit

Personal Services	\$ 3,227,029	\$ 4,318,463	\$ 4,702,122
Contractual Services	10,301,082	11,797,091	10,023,358
Commodities	113,462	359,936	310,935
Capital Outlay	540,095	716,525	392,400
Total	\$ 14,181,668	\$ 17,192,015	\$ 15,428,815

Expenditures by Fund

Water	\$ 9,840,716	\$ 12,115,133	\$ 10,653,017
Sewer	4,340,952	4,555,584	4,278,298
Stormwater	--	521,298	497,500
Total	\$ 14,181,668	\$ 17,192,015	\$ 15,428,815

No. of Full Time Equivalent Positions

76.8	76.8	76.8
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Highlights

The mission of Water Services Administration is to provide plans, organization and direction to divisions so that their goals can be achieved. Administrative service charges for city support totals \$5,576,209 in FY 2002-03. Areas of responsibility of the Administration Program are: Director's Office, Finance and Administration, Human Resources, Information Technology, Marketing and Public Relations and Associate Training and Development. For the second straight year no rate increases are anticipated in water or stormwater fees in FY 2002-03. A six percent rate increase is proposed for wastewater and will be used for capital expenditures and increased debt service on bonds related to the sanitary sewer system.

Water Services

Program: CUSTOMER SERVICES

Expenditures by Sub-Program

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Consumer Services	\$ 4,734,874	\$ 5,257,803	\$ 5,365,590
Reading and Service	5,987,979	7,778,860	7,445,382
Total	\$ <u>10,722,853</u>	\$ <u>13,036,663</u>	\$ <u>12,810,972</u>

Expenditures by Appropriation Unit

Personal Services	\$ 6,267,186	\$ 6,818,041	\$ 7,234,308
Contractual Services	3,578,748	4,926,977	4,805,639
Commodities	742,133	1,182,145	699,300
Capital Outlay	134,786	109,500	71,725
Total	\$ <u>10,722,853</u>	\$ <u>13,036,663</u>	\$ <u>12,810,972</u>

Expenditures by Fund

Water	\$ 9,721,753	\$ 11,847,254	\$ 11,458,625
Sewer	1,001,100	1,032,535	1,155,494
Stormwater	--	156,874	196,853
Total	\$ <u>10,722,853</u>	\$ <u>13,036,663</u>	\$ <u>12,810,972</u>

No. of Full Time Equivalent Positions

172.0

172.0

172.0

Program Information

The Consumer Services Division provides assistance to the city's utility customers, and maintains consumer data and bills for water and sewer charges. The Reading and Service unit performs regular reading of meters and assures consumer satisfaction through timely response to needs and complaints. The program is also responsible for maintenance and inspection of water meters. Service charges by the Information Technology Department total \$857,785 for support of the new customer information and billing system.

Water Services

Program: CUSTOMER SERVICES
 Sub-Program: CONSUMER SERVICES

Program Activities

1. Provide assistance to the city's utility customers, maintain consumer data and bill for water, sewer, and stormwater charges

Performance Measures

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Outcome			
1. Revenues generated	\$ 102,900,500	\$ 104,822,275	\$ 110,212,734
Output			
1. Number of bills produced	990,000	1,000,000	1,000,000
Efficiency			
1. Average cost per bill	\$ 1.60	\$ 1.67	\$ 1.67

Expenditures by Appropriation Unit

Personal Services	\$ 1,881,797	\$ 2,223,131	\$ 2,245,350
Contractual Services	2,708,701	2,934,072	3,041,715
Commodities	89,547	73,100	70,800
Capital Outlay	54,829	27,500	7,725
Total	\$ 4,734,874	\$ 5,257,803	\$ 5,365,590

Expenditures by Fund

Water	\$ 3,733,774	\$ 4,068,394	\$ 4,013,243
Sewer	1,001,100	1,032,535	1,155,494
Stormwater	--	156,874	196,853
Total	\$ 4,734,874	\$ 5,257,803	\$ 5,365,590

No. of Full Time Equivalent Positions	58.0	58.0	58.0
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Highlights

The mission of Consumer Services is to provide efficient and effective customer service related to customer billings and payments so that their questions and concerns are addressed promptly and satisfactorily. Consumer Services provides assistance to the city's utility customers, and maintains consumer data and bills for water, sewer and stormwater charges.

Water Services

Program: CUSTOMER SERVICES
 Sub-Program: READING AND SERVICE

Program Activities

1. Efficiently perform water meter readings on the 140,000 meters in service
2. Reduce billing adjustments and increase customer satisfaction by installing remote reading devices
3. Assure accurate recording of water consumption through maintenance of meters
4. Prevent unnecessary water loss by conducting a leak survey program
5. Enhance handling of customer calls

Performance Measures

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Outcome			
2. Percent of bills read correctly on first reading	95%	90%	90%
Output			
1. Number of meters read per day	340	325	325
Efficiency			
1. Cost per meter read	\$ 0.90	\$ 0.90	\$ 0.93

Expenditures by Appropriation Unit

Personal Services	\$ 4,385,389	\$ 4,594,910	\$ 4,988,958
Contractual Services	870,047	1,992,905	1,763,924
Commodities	652,586	1,109,045	628,500
Capital Outlay	79,957	82,000	64,000
Total	\$ 5,987,979	\$ 7,778,860	\$ 7,445,382

Expenditures by Fund

Water	\$ 5,987,979	\$ 7,778,860	\$ 7,445,382
Total	\$ 5,987,979	\$ 7,778,860	\$ 7,445,382

No. of Full Time Equivalent Positions	114.0	114.0	114.0
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Highlights

The mission of Reading and Service is to provide regular reading of water meters and prompt investigation of questionable bills for customers so that the billing process runs smoothly. The Reading and Service program is responsible for the maintenance and replacement of approximately 140,000 commercial and residential meters throughout the city.

Water Services

Program: ENGINEERING SERVICES

Sub-Program: ENGINEERING SERVICES

Program Activities

1. Initiate, design, supervise and record water, wastewater and stormwater improvement projects and provide detail specifications for in-house and consultant construction projects
2. Responsible for construction surveys and staking, inspecting consultant design projects, reviewing contract payments, verifying materials on job sites and tracking projects on a regular basis

Performance Measures

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Outcome			
1. Linear feet of water line installed/replaced	240,000	135,000	135,000
1. Linear feet of sewer line installed/replaced	25,000	15,000	15,000
Output			
2. Number of water line contracts awarded	10	10	10
2. Number of sewer line contracts awarded	25	15	15

Expenditures by Appropriation Unit

Personal Services	\$ 3,635,886	\$ 3,934,587	\$ 4,173,879
Contractual Services	799,375	827,843	912,321
Commodities	55,526	82,192	71,890
Capital Outlay	110,758	110,600	134,200
Total	\$ 4,601,545	\$ 4,955,222	\$ 5,292,290

Expenditures by Fund

Water	\$ 2,885,905	\$ 3,217,508	\$ 3,464,175
Sewer	1,715,640	1,737,714	1,631,521
Stormwater	--	--	196,594
Total	\$ 4,601,545	\$ 4,955,222	\$ 5,292,290

No. of Full Time Equivalent Positions

64.8

64.8

64.8

Highlights

The mission of Engineering Services is to study, design, construct and rehabilitate the water, sewer and stormwater systems and other facilities for the citizens of Kansas City so the structural integrity of the city's water, sewer and stormwater system is maintained.

Water Services

Program: FLEET MAINTENANCE
 Sub-Program: FLEET MAINTENANCE

Program Activities

1. Responsible for maintaining the motorized equipment of the Water Services Department
2. Achieve the lowest possible number of hours per repair

Performance Measures

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Outcome			
1. Percent of fleet operational	95%	95%	95%
Output			
2. Average cost to operate/maintain/repair fleet vehicles	\$ 4,496	\$ 4,832	\$ 4,794
Efficiency			
2. Average labor hours per repair	2.9	2.9	2.9

Expenditures by Appropriation Unit

Personal Services	\$ 1,339,978	\$ 1,463,809	\$ 1,587,959
Contractual Services	1,648,861	1,594,715	1,613,792
Commodities	593,959	740,750	633,580
Capital Outlay	13,825	66,200	--
Total	\$ 3,596,623	\$ 3,865,474	\$ 3,835,331

Expenditures by Fund

Water	\$ 3,596,623	\$ 3,865,474	\$ 3,835,331
Total	\$ 3,596,623	\$ 3,865,474	\$ 3,835,331

No. of Full Time Equivalent Positions

33.0

33.0

33.0

Highlights

The mission of Fleet Maintenance is to provide reliable, high quality and cost-effective fleet management and services to the Water Services Department so that the fleet remains in good operational condition for use in departmental business. The availability of grant funds has allowed Fleet Maintenance to convert 100% of its light duty vehicles to compressed natural gas (CNG). The cost of using CNG fuel is equivalent to the purchase of gasoline at \$0.59 per gallon.

Water Services

Program: LINE MAINTENANCE

Expenditures by Sub-Program

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Sewer Line Maintenance	\$ 7,791,013	\$ 9,494,585	\$ 9,208,880
Water Line Maintenance	9,136,200	8,860,633	8,965,010
Total	\$ <u>16,927,213</u>	\$ <u>18,355,218</u>	\$ <u>18,173,890</u>

Expenditures by Appropriation Unit

Personal Services	\$ 9,789,071	\$ 10,456,682	\$ 11,512,725
Contractual Services	4,427,648	4,047,894	3,673,865
Commodities	2,245,272	2,488,342	2,340,700
Capital Outlay	465,222	1,362,300	646,600
Total	\$ <u>16,927,213</u>	\$ <u>18,355,218</u>	\$ <u>18,173,890</u>

Expenditures by Fund

Water	\$ 9,136,200	\$ 8,860,633	\$ 8,965,010
Sewer	7,791,013	9,494,585	9,208,880
Total	\$ <u>16,927,213</u>	\$ <u>18,355,218</u>	\$ <u>18,173,890</u>

No. of Full Time Equivalent Positions

Less: Basic Services Position Pool

Net Full Time Equivalent Positions

287.8	287.8	287.8
<u>--</u>	<u>(12.0)</u>	<u>(12.0)</u>
287.8	275.8	275.8

Program Information

Maintenance of a 2,600 mile wastewater collection system and a 2,300 mile drinking water distribution system is the responsibility of the Line Maintenance program.

Water Services

Program: LINE MAINTENANCE

Sub-Program: SEWER LINE MAINTENANCE

Program Activities

1. Repair, clean and inspect approximately 2,600 miles of sanitary, combined and storm sewers
2. Ensure the free flow of sewage and stormwater to treatment plants and stormwater outflows
3. Ensure all repairs and new connections are inspected to prevent future problems

Performance Measures

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Outcome			
2. Number of stoppages per 100 miles of sewer line	7.5	7.5	7.5
Output			
1. Linear feet of sewer lines televised	487,797	350,000	400,000
1. Linear feet of sewer lines reeled or jetted	1,480,740	1,400,000	1,400,000
Efficiency			
1. Average number of hours to televise 1,000 linear feet of sewer line	3.0	2.8	2.8

Expenditures by Appropriation Unit

Personal Services	\$ 4,916,470	\$ 5,378,051	\$ 5,904,015
Contractual Services	1,627,502	1,726,092	1,652,365
Commodities	907,911	1,153,142	1,222,500
Capital Outlay	339,130	1,237,300	430,000
Total	\$ 7,791,013	\$ 9,494,585	\$ 9,208,880

Expenditures by Fund

Sewer	\$ 7,791,013	\$ 9,494,585	\$ 9,208,880
Total	\$ 7,791,013	\$ 9,494,585	\$ 9,208,880

No. of Full Time Equivalent Positions

Less: Basic Services Position Pool	150.8	150.8	150.8
	--	(6.0)	(6.0)
Net Full Time Equivalent Positions	150.8	144.8	144.8

Highlights

The purpose of Sewer Line Maintenance is to provide cleaning, preventative maintenance, repairs and inspections to the approximately 2,600 mile sewer system so that safe and continuous operation of the city sewer system will continue.

Water Services

Program: LINE MAINTENANCE

Sub-Program: WATER LINE MAINTENANCE

Program Activities

1. Repair or replace water services, including pipelines in accordance with departmental guidelines
2. Repair or replace damaged or defective fire hydrants
3. Repair water main breaks
4. Repair or replace defective main valves

Performance Measures

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Outcome			
3. Main breaks per 100 miles of water line	2.3	2.1	2.1
Output			
1. Miles of water line maintained	2,300	2,300	2,300
3. Number of main breaks repaired	1,000	1,100	1,100
Efficiency			
3. Average cost per main break repair	\$ 3,083	\$ 3,008	\$ 3,008

Expenditures by Appropriation Unit

Personal Services	\$ 4,872,601	\$ 5,078,631	\$ 5,608,710
Contractual Services	2,800,146	2,321,802	2,021,500
Commodities	1,337,361	1,335,200	1,118,200
Capital Outlay	126,092	125,000	216,600
Total	\$ 9,136,200	\$ 8,860,633	\$ 8,965,010

Expenditures by Fund

Water	\$ 9,136,200	\$ 8,860,633	\$ 8,965,010
Total	\$ 9,136,200	\$ 8,860,633	\$ 8,965,010

No. of Full Time Equivalent Positions

Less: Basic Services Position Pool	137.0	137.0	137.0
	--	(6.0)	(6.0)
Net Full Time Equivalent Positions	137.0	131.0	131.0

Highlights

The mission of Water Line Maintenance is to provide maintenance and upkeep of the city's approximately 2,300 mile water distribution system so that an adequate and dependable water supply for consumption and fire protection is ensured. Emergency service is provided 24 hours a day.

Water Services

Program: QUALITY ASSURANCE

Expenditures by Sub-Program

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Industrial Waste Control	\$ 1,188,222	\$ 1,333,630	\$ 1,419,573
Laboratory Services	2,040,621	2,288,289	2,290,517
Total	\$ <u>3,228,843</u>	\$ <u>3,621,919</u>	\$ <u>3,710,090</u>

Expenditures by Appropriation Unit

Personal Services	\$ 2,066,290	\$ 2,338,352	\$ 2,492,628
Contractual Services	550,497	640,457	685,262
Commodities	433,106	468,610	481,900
Capital Outlay	178,950	174,500	50,300
Total	\$ <u>3,228,843</u>	\$ <u>3,621,919</u>	\$ <u>3,710,090</u>

Expenditures by Fund

Water	\$ 2,040,621	\$ 2,288,289	\$ 2,290,517
Sewer	1,188,222	1,333,630	1,419,573
Total	\$ <u>3,228,843</u>	\$ <u>3,621,919</u>	\$ <u>3,710,090</u>

No. of Full Time Equivalent Positions

53.0

53.0

51.0

Program Information

Quality Assurance provides retail, wholesale and internal analytical services; protects the wastewater collection system from harmful discharges and oversees departments environmental issues. Retail testing includes testing for lead, rust and odor problems for households. Wholesale customers require testing for certification and other commercial purposes. Internal testing assures quality drinking water and proper wastewater treatment, identifies water or sewer line leaks, and determines the level of chemicals used in treatment processes.

Water Services

Program: QUALITY ASSURANCE

Sub-Program: INDUSTRIAL WASTE CONTROL

Program Activities

1. Provide inspection and sampling of all Significant Industrial Users (SIUs)
2. Maintain compliance with Federal Pretreatment Program requirements as shown by annual audit
3. Inspect all water service facilities and ensure environmental concerns are addressed
4. Service interjurisdictional sewer service agreements

Performance Measures

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Outcome			
1. Revenue generated by Interjurisdictional Agreements (IJA)	\$11,448,440	\$11,642,480	\$12,333,873
Output			
1. Number of SIU inspections completed	30	30	30
Efficiency			
1. Ratio of revenue to cost	9.01 : 1	10.0 : 1	10.5 : 1

Expenditures by Appropriation Unit

Personal Services	\$ 796,898	\$ 973,193	\$ 1,073,285
Contractual Services	289,032	308,687	289,988
Commodities	58,723	51,750	56,300
Capital Outlay	43,569	--	--
Total	\$ 1,188,222	\$ 1,333,630	\$ 1,419,573

Expenditures by Fund

Sewer	\$ 1,188,222	\$ 1,333,630	\$ 1,419,573
Total	\$ 1,188,222	\$ 1,333,630	\$ 1,419,573

No. of Full Time Equivalent Positions	23.0	23.0	23.0
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Highlights

The mission of Industrial Waste Control is to provide control of discharges into the city's wastewater collection and treatment facilities from residential, commercial, industrial and interjurisdictional customers so that the Water Services Department is in compliance with environmental requirements and to service interjurisdictional sewer service agreements. The Industrial Waste Control program collects revenue based on water discharge permit fees and interjurisdictional sewer service agreements. Program revenues from interjurisdictional agreements with 30 water and 26 sewer customers are estimated to be \$12,333,873 in FY 2002-03, an increase of \$691,393 or 6% from the adopted budget estimate of \$11,642,480 in FY 2001-02.

Water Services

Program: QUALITY ASSURANCE
 Sub-Program: LABORATORY SERVICES

Program Activities

1. Provide analytical testing to assure drinking water quality
2. Provide analytical testing to assure wastewater treatment
3. Perform various miscellaneous testing to assist other divisions and departments

Performance Measures

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Outcome			
1. Cost of testing if billed at outside rates	\$ 7,817,675	\$ 6,149,738	\$ 6,979,000
Output			
1. Number of test performed	627,226	605,787	564,098
Efficiency			
1. Average cost per lab test	\$ 3.25	\$ 3.78	\$ 4.06

Expenditures by Appropriation Unit

Personal Services	\$ 1,269,392	\$ 1,365,159	\$ 1,419,343
Contractual Services	261,465	331,770	395,274
Commodities	374,383	416,860	425,600
Capital Outlay	135,381	174,500	50,300
Total	\$ 2,040,621	\$ 2,288,289	\$ 2,290,517

Expenditures by Fund

Water	\$ 2,040,621	\$ 2,288,289	\$ 2,290,517
Total	\$ 2,040,621	\$ 2,288,289	\$ 2,290,517

No. of Full Time Equivalent Positions	30.0	30.0	28.0
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Highlights

The mission of Laboratory Services is to provide quality analysis of drinking water, wastewater and industrial waste pretreatment samples to comply with existing standards and Environmental Protection Agency and Department of Natural Resources regulations so that the City is in compliance with all applicable safety and quality assurance standards. Laboratory Services is a full service environmental laboratory offering a wide variety of inorganic, organic and microbiological testing. Two vacant technical positions are eliminated in the FY 2002-03 budget.

Water Services

Program: STORMWATER SERVICES

Expenditures by Sub-Program

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Stormwater Engineering	\$ 1,425,408	\$ 1,393,384	\$ 2,040,546
Stormwater Maintenance	2,232,336	2,536,889	3,145,836
Total	\$ <u>3,657,744</u>	\$ <u>3,930,273</u>	\$ <u>5,186,382</u>

Expenditures by Appropriation Unit

Personal Services	\$ 2,053,335	\$ 2,709,067	\$ 3,420,507
Contractual Services	1,148,610	777,356	1,163,175
Commodities	276,244	329,200	376,700
Capital Outlay	179,555	114,650	226,000
Total	\$ <u>3,657,744</u>	\$ <u>3,930,273</u>	\$ <u>5,186,382</u>

Expenditures by Fund

Stormwater	\$ 3,657,744	\$ 3,930,273	\$ 5,186,382
Total	\$ <u>3,657,744</u>	\$ <u>3,930,273</u>	\$ <u>5,186,382</u>

No. of Full Time Equivalent Positions

70.9

70.9

82.9

Program Information

Water Services continues efforts to establish a comprehensive stormwater management program to meet the city's stormwater quantity and quality needs. This involves processing city-wide and individual permits for city owned facilities and assisting other departments in their compliance process. Watershed master planning, upkeep of stormwater conveyance systems, preservation of the fourteen mile levee system, maintenance of eighteen flood pumping stations and compliance with federal and state stormwater regulations are the responsibilities of the Stormwater Services program. Stormwater Services is embarking upon a \$1,500,000 project to inventory and

Water Services

Program: STORMWATER SERVICES
 Sub-Program: STORMWATER ENGINEERING

Program Activities

1. Responsible for the development of stormwater master plans, utility administration, compliance with the National Pollutant Discharge Elimination System (NPDES) permit requirements and stormwater mapping

Performance Measures

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Outcome			
1. Percentage of rain and stream level gauges operational	78%	80%	80%
Output			
1. Number of flood warning stations maintained	20	20	20
2. Number of Master Plans completed	6	9	8
Efficiency			
1. Average maintenance cost per station	\$ 3,219	\$ 3,055	\$ 3,055

Expenditures by Appropriation Unit

Personal Services	\$ 612,789	\$ 910,236	\$ 1,367,171
Contractual Services	712,537	407,998	580,375
Commodities	23,575	8,500	13,000
Capital Outlay	76,507	66,650	80,000
Total	\$ 1,425,408	\$ 1,393,384	\$ 2,040,546

Expenditures by Fund

Stormwater	\$ 1,425,408	\$ 1,393,384	\$ 2,040,546
Total	\$ 1,425,408	\$ 1,393,384	\$ 2,040,546

No. of Full Time Equivalent Positions

20.4 20.4 28.4

Highlights

The mission of Stormwater Engineering is to provide a stormwater utility service so that all local, state and federal mandates regarding stormwater management can be fulfilled. Two administrative and six professional positions will be added in FY 2002-03. These positions will handle administrative duties and stormwater and environmental engineering.

Water Services

Program: STORMWATER SERVICES

Sub-Program: STORMWATER MAINTENANCE

Program Activities

1. Maintain storm inlets and outlets to reduce property damage caused by flooding
2. Clean and repair improved and unimproved channels, storm sewers and city owned detention basins

Performance Measures

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Outcome			
2. Percent of requested/emergency cleanings completed in 24 hours	49%	90%	50%
2. Average length of time (in months) between catch basin cleanings	17.2	17.5	17.5
Output			
2. Number of Catch basins cleaned	18,677	18,000	18,000
2. Number of Catch basins repaired	126	150	200
Efficiency			
2. Average cost per catch basin cleaned	\$ 12.98	\$ 11.00	\$ 10.00
2. Average cost per catch basin repaired	\$ 3,790	\$ 5,000	\$ 3,800

Expenditures by Appropriation Unit

Personal Services	\$ 1,440,546	\$ 1,798,831	\$ 2,053,336
Contractual Services	436,073	369,358	582,800
Commodities	252,669	320,700	363,700
Capital Outlay	103,048	48,000	146,000
Total	\$ 2,232,336	\$ 2,536,889	\$ 3,145,836

Expenditures by Fund

Stormwater	\$ 2,232,336	\$ 2,536,889	\$ 3,145,836
Total	\$ 2,232,336	\$ 2,536,889	\$ 3,145,836

No. of Full Time Equivalent Positions

50.5

50.5

54.5

Highlights

The mission of Stormwater Maintenance is to provide catch basin cleaning and repair services to the citizens of Kansas City so that the stormwater collection system will function at its optimal designed capacity. Four positions were added during FY 2001-02 to handle administrative duties and environmental inspections.

Water Services

Program: TREATMENT AND SUPPLY

Expenditures by Sub-Program

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Wastewater Treatment	\$ 15,155,856	\$ 13,076,313	\$ 13,085,948
Water Supply	16,448,846	15,300,140	15,434,891
Total	\$ <u>31,604,702</u>	\$ <u>28,376,453</u>	\$ <u>28,520,839</u>

Expenditures by Appropriation Unit

Personal Services	\$ 9,714,810	\$ 10,279,600	\$ 11,223,191
Contractual Services	15,815,922	12,233,203	12,048,498
Commodities	5,843,678	5,618,650	5,024,150
Capital Outlay	230,292	245,000	225,000
Total	\$ <u>31,604,702</u>	\$ <u>28,376,453</u>	\$ <u>28,520,839</u>

Expenditures by Fund

Water	\$ 16,448,846	\$ 15,300,140	\$ 15,434,891
Sewer	15,155,856	13,076,313	13,085,948
Total	\$ <u>31,604,702</u>	\$ <u>28,376,453</u>	\$ <u>28,520,839</u>

No. of Full Time Equivalent Positions

229.2

229.2

227.2

Program Information

Treatment and Supply provides operation and maintenance of two water treatment plants, sixteen water pumping stations, 39 wastewater pumping stations and eight wastewater treatment plants. Water is sold to 21 other regional and municipal water systems in and around the metropolitan area. Wastewater treatment is provided to 28 other public and private sewer systems throughout the area. All facilities are required to comply with applicable federal and state laws and regulations, including the Clean Water Act, Safe Drinking Water Act and National Pollutant Discharge Elimination System. The wastewater treatment program treats an average of 115 million

Water Services

Program: TREATMENT AND SUPPLY
 Sub-Program: WASTEWATER TREATMENT

Program Activities

1. Responsible for the administration, operation and maintenance of eight wastewater treatment plants, 38 wastewater pumping stations and seventeen flood pumping stations
2. Maintain compliance with National Pollutant Discharge Elimination System (NPDES) permits

Performance Measures

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Outcome			
2. Percent of days in compliance with NPDES permits	99%	99%	99%
Output			
1. Number of quarterly flood station inspections	68	68	68
Efficiency			
1. Percentage of scheduled work orders completed	70%	85%	85%

Expenditures by Appropriation Unit

Personal Services	\$ 5,090,690	\$ 5,320,321	\$ 5,829,956
Contractual Services	8,066,458	6,196,442	5,746,442
Commodities	1,859,537	1,459,550	1,409,550
Capital Outlay	139,171	100,000	100,000
Total	\$ 15,155,856	\$ 13,076,313	\$ 13,085,948

Expenditures by Fund

Sewer	\$ 15,155,856	\$ 13,076,313	\$ 13,085,948
Total	\$ 15,155,856	\$ 13,076,313	\$ 13,085,948

No. of Full Time Equivalent Positions	117.2	117.2	115.2
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Highlights

The mission of Wastewater Treatment is to provide effective operation and maintenance of wastewater treatment plants, wastewater pump stations and flood pump stations to citizens so that the quality of rivers and streams is protected. The wastewater treatment plants remove approximately 70 tons of biosolids each day. Preventive maintenance is performed by staff when not handling emergency or priority work orders. Two vacant maintenance positions are eliminated in the FY 2002-03 budget.

Water Services

Program: TREATMENT AND SUPPLY

Sub-Program: WATER SUPPLY

Program Activities

1. Operate and maintain the 240 million gallon per day treatment plant, the 576,000 gallon per day Atherton treatment plant and sixteen pumping stations which distribute water to over 750,000 consumers on a 24 hour basis
2. Supply water pressure capable of meeting all demands, including peak load and firefighting

Performance Measures

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Outcome			
1. Percent of pumping units operational	98%	95%	95%
Output			
1. Number of pumping units maintained	100	100	100
Efficiency			
1. Kilowatt Hours per million gallons consumed	2.1	2.1	2.1

Expenditures by Appropriation Unit

Personal Services	\$ 4,624,120	\$ 4,959,279	\$ 5,393,235
Contractual Services	7,749,464	6,036,761	6,302,056
Commodities	3,984,141	4,159,100	3,614,600
Capital Outlay	91,121	145,000	125,000
Total	\$ 16,448,846	\$ 15,300,140	\$ 15,434,891

Expenditures by Fund

Water	\$ 16,448,846	\$ 15,300,140	\$ 15,434,891
Total	\$ 16,448,846	\$ 15,300,140	\$ 15,434,891

No. of Full Time Equivalent Positions

112.0

112.0

112.0

Highlights

The mission of Water Supply is to provide proper administration and operation of the treatment plants and other facilities so that a dependable water supply is produced and distributed to our customers which meets system demands and the requirements of the Safe Drinking Water Act and other mandates.

Water Services

Program: DEBT SERVICE

Sub-Program: DEBT SERVICE

Program Activities

1. Provide funds to meet bond covenant requirements for water revenue bonds
2. Provide funds to meet bond covenant requirements for sewer revenue bonds

Performance Measures

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
1. Principal paid - water bonds	\$ 6,755,000	\$ 7,030,000	\$ 8,610,000
Interest paid	\$ 7,989,754	\$ 7,246,960	\$ 6,904,234
Outstanding debt as of April 30, 2002	\$ 143,000,000	\$ 135,970,000	\$ 127,360,000
2. Principal paid - sewer bonds	\$ 5,645,000	\$ 5,645,000	\$ 6,640,000
Interest paid	\$ 5,711,883	\$ 5,711,883	\$ 5,439,581
Outstanding debt as of April 30, 2002	\$ 98,495,000	\$ 92,690,000	\$ 97,145,000

Expenditures by Appropriation Unit

Debt Service	\$ 23,948,726	\$ 27,032,680	\$ 30,142,590
Total	\$ 23,948,726	\$ 27,032,680	\$ 30,142,590

Expenditures by Fund

Water	\$ 14,678,722	\$ 15,778,460	\$ 17,296,734
Sewer	9,260,675	11,154,220	12,573,856
Stormwater	9,329	100,000	272,000
Total	\$ 23,948,726	\$ 27,032,680	\$ 30,142,590

No. of Full Time Equivalent Positions

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Highlights

The mission of Debt Service is to provide funds for payment of the department's outstanding debt to its creditors so that the department remains in accordance with existing requirements and revenue bond covenants. The Water Services Department annually sets aside funds to satisfy revenue bond debt requirements. The current voter approved bond authorization is \$150,000,000 in water revenue bonds approved in August 1996 and \$125,000,000 in sewer revenue bonds approved in November 1997. A total of \$67,410,000 in water revenue bonds, and \$39,987,510 in wastewater revenue bonds have been sold against the authorized limits.

Water Services

Program: CAPITAL IMPROVEMENTS

Expenditures by Project

	Actual 2000-01	Adopted 2001-02	Estimated 2002-03
Bannister Acres Sanitary Sewers	\$ --	\$ 250,000	\$ --
Blue River WWTP EPA Grant	464,763	--	--
Brookside Interceptor	--	1,000,000	1,000,000
Catch Basin Replacement	1,648,738	702,773	315,198
Construction Division	4,396,186	4,879,207	6,377,970
Eastwood Hills Sanitary Sewers	--	250,000	--
Facility Modification and Improvement	73,923	260,016	249,378
Geographic Information System	93,375	--	--
Jackson-Cass Transmission Main	3,493,947	--	--
Oversized Mains - City Share	164,522	83,889	100,000
Pleasant Hill Supply Main	455,000	--	--
Service Facility Improvements	4,350,017	167,779	249,379
South Terminal Funding Project	5,600,000	--	--
Special Assessment Mains	--	167,779	100,000
Storm Water Master Plan	1,037,871	702,772	1,050,000
Water Lines for Fire Hydrants	--	500,000	384,968
Water Main Construction/Rehabilitation	9,121,926	2,624,054	629,253
Water Main Relocations	1,042,611	158,982	100,000

Total

\$ 31,942,879 \$ 11,747,251 \$ 10,556,146

Expenditures by Fund

Capital Improvements	\$ --	\$ 2,000,000	\$ 1,384,968
Water	24,301,946	3,462,499	1,428,010
Sewer	4,860,949	4,879,207	6,377,970
Stormwater	2,779,984	1,405,545	1,365,198

Total

\$ 31,942,879 \$ 11,747,251 \$ 10,556,146