

# Capital Improvement Plan



Little Rock  
Wastewater



## ***Capital Improvement Plan***

### **Capital Improvement Plan Budget Policy**

A budget will be prepared for all capital expenditures contemplated, including completions of active construction projects, projects and capitalized purchases planned for the succeeding calendar year, and all projects for which a commitment of funds is to be made even though the actual expenditure will not occur in the succeeding year.

This actual budget is used for projecting anticipated capital requirements and becomes a vital element in the LRW Operating Plan.

The initial capital budget will be prepared within each division of LRW, assimilated and reviewed by the Manager of Finance, and submitted for approval of the Manager of Engineering Services and Chief Executive Officers.

Subsequent to the CEO's approval the Capital Budget will be incorporated into the LRW Operating Plan and submitted to the LRSSC for approval.

Upon approval, all proposed expenditures included in the Capital Budget will be classified as "Planned Expenditures." Any capital expenditure proposed during the course of the plan year which are not included in the approved capital budget, will be classified as "Unplanned Expenditures."

Expenditures equal to or greater than \$5,000 on construction projects or purchases of new equipment are hereby defined as capital expenditures. Expenditures equal to or greater than \$5,000 on work, equipment parts, or a combination of the two, that add discernible life to an existing depreciated asset are also defined capital expenditures. In general, expenses associated with additions, replacements, reconstructions, improvements, or betterments qualify as capital expenditures.

Due to state procurement laws and the nature of capital improvement expenditures, it generally takes more than one fiscal year to complete most capital improvement projects. Therefore many projects carry over from year to year before they are completed and placed into service. LRW does not award a project contract unless it is fully funded. However, many large projects have multiple year and/or multiple phase construction periods. LRW uses several benchmarks of efficiency to ensure capital budget integrity. These include timely completion clauses, aggressive efforts to minimize change orders, and tracking the progress of the overall **Capital Improvement Plan (CIP)**.

The following is a typical schedule for the development of a CIP budget:

- January 1 – fiscal year begins.
- July and August – division heads formulate their capital budget requests for the upcoming budget year and the following four years.

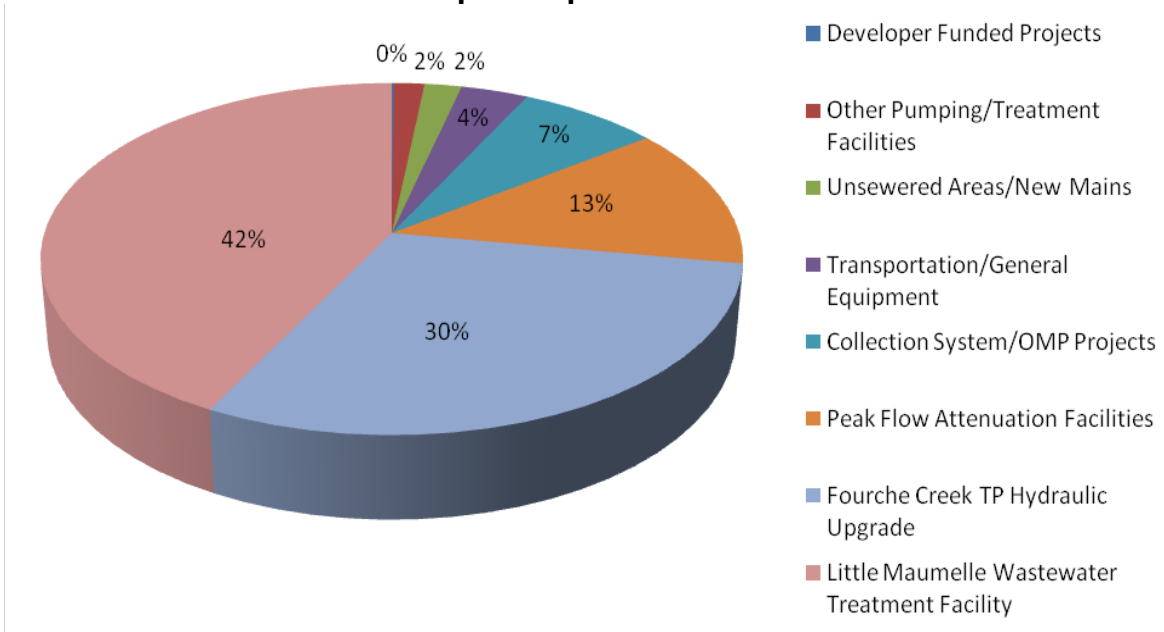
- September and October – department supervisors submit their budget requests, which are then combined into the first draft of the overall LRW budget. The Finance staff is responsible for combining all for the departments' O&M and Capital requests, budget revenues, and other expenditures.
- October and November – the CEO, division managers, and directors review the submitted budgets and establish priorities based on a strategic weighting scale, need, and availability of funds. Any changes resulting from the management reviews are made at that time.
- November – one or more members of the LRSSC, serving as the Budget Subcommittee, review the budget document with LRW staff. Any revisions resulting from the Budget Subcommittee's review are made at that time. The budget is presented at the regularly scheduled November or December LRSSC meeting. The budget for the coming year is considered for approval at that time.

### **2010 Capital Improvement Plan Overview**

The 2010 Capital Improvement Plan is composed of carry-over projects from 2009, planned capital projects for 2010, and the 5-Year capital forecast. The year 2010 represents year eight of a 15-year implementation plan outlined in the SECAP. The five-year plan contained in the 2010 budget represents the majority of the capital expenditures required to meet the goals of the SECAP.

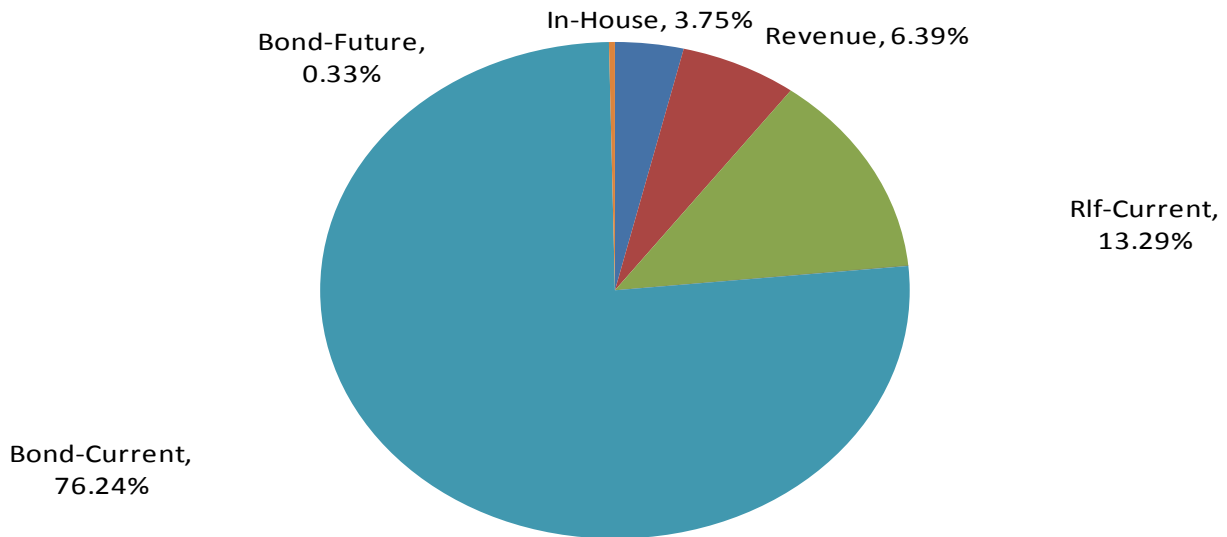
Capital projects carried over into 2010 have planned net expenditures of \$51,476,100. Carry-over expenditures are dominated by wastewater collection, transmission, and treatment improvements driven by the SECAP, which was completed in 2002 and adopted as part of the Sierra Club Settlement Agreement dated September 12, 2001. These projects, along with work in the unsewered areas and community services, represent almost 96.0% of the carry-over amount. Collection system work by in-house crews, in-house engineering services, Woodland Ridge Pump Station Improvements, and general and transportation equipment make up the bulk of the remainder. In addition to the carryover projects, net expenditures of \$3,343,900 are proposed for new capital projects and purchases. Collection system maintenance contracts, minor treatment facility projects, vehicles, and equipment make up the proposed capital budget for 2010. Total net expenditures of \$54,819,900 are planned for 2010.

### 2010 Capital Improvement Plan



Funding for planned 2010 expenditures is composed of existing revolving loans, existing and proposed revenue bond funds, and revenues. The .33% for Bond-Future reflects planned expenditures from revenues for 2010 to be reimbursed from a future bond issue. These expenditures are preliminary project costs for SSES and design.

### 2010 CIP Financing Plan



Comments on major projects included in this year’s request are as follows:

### Little Maumelle Wastewater Treatment Facility

A new treatment facility is needed to serve existing customers and future growth in the Little Maumelle River Basin. The pump station that currently serves the area overloads gravity sewers in Murray Park during wet weather, resulting in numerous overflows. In 2006, Camp Dresser and McKee commenced preliminary design of the treatment facility and associated improvements. This year's budget allocates \$23,621,200 in 2010 for the completion of the construction of the facility, pump station, and conveyance. In 2007 LRW received a State and Tribal Assistance Grant (STAG) in the amount of \$477,900 for partial funding of design costs associated with this project. The remaining cost of this project is funded the 2007C and 2008A Sewer Revenue Bond issues. Construction is scheduled to be substantially complete at the end of 2010. Start up of this facility is scheduled to begin in early 2011 and as a result the Operations and Maintenance budget for 2010 does not include any costs for the operation of this facility.

	Forecasted <u>thru 12/31/09</u>	Budgeted <u>2010</u>	Total <u>Project Cost</u>
Construction - Contracted - Access Road	1,762,912	0	1,762,912
Construction - Contracted - Conveyance	12,202,915	4,200,703	16,403,618
Construction - Contracted - LMPS	3,870,060	500,000	4,370,060
Construction - Contracted - Plant	28,976,014	17,103,230	46,079,244
Construction - In-house	3,177	0	3,177
Engineering Fees - Bid Phase	227,279	0	227,279
Engineering Fees - Construction	2,805,155	1,717,293	4,522,448
Engineering Fees - Design	4,769,465	0	4,769,465
Machinery & Equipment	45,975	0	45,975
Project Performance	0	0	0
Row & Land Acquisition	915,767	0	915,767
SSES	191,396	0	191,396
Capitalized Interest/Administration	339,796	100,000	439,796
	<u>56,109,911</u>	<u>23,621,226</u>	<u>79,731,137</u>

### Peak Flow Attenuation Facilities

The purpose of this project is to improve the hydraulic capacity of the collection system during wet weather events and address wet weather overflows in the western end of the Fourche Creek Bottoms. The project consists of a 50 MGD pump station, 12,000 l.f. of 48-inch force main, two diversion structures, and a 30 million gallon storage facility. The detention basins will store volumes of water generated by wet weather events and discharge into the collection system when flows return to normal. These facilities were placed in service mid-year 2009. The Arch Street Pump Station rehabilitation and hydraulic upgrade project is also included with the Peak Flow Attenuation Facilities project. These projects complement each other in that they both enhance the hydraulic conveyance capacity of the interceptor system through the Fourche Creek Bottoms, thereby reducing sanitary sewer overflows during wet weather events. The Arch Street project will increase the capacity of the station by 7 million gallons per day. To assure continuous service to the Fourche Creek Treatment Facility, a 30-inch redundant force main will also be included in this project. The redundant force main will also be employed during peak hydraulic flows from the Arch Street Pump Station to the Fourche Creek Treatment Facility. The existing 42-inch force main was not designed to withstand the increased pressures which will be created from the pump station

hydraulic upgrade. Both the Arch Street Pump Station project and the redundant force main are scheduled to be substantially complete in 2010. This project is being funded by the 2007A and 2008A Sewer Revenue Bond issues and Revolving Loan (RLF) 9.

	Forecasted thru 12/31/09	Budgeted 2010	Budgeted 2011	Total Project Cost
Row & Land Acquisition	721,172	0	0	721,172
Construction - Contracted - ASPS	2,501,744	5,206,513	0	7,708,257
Construction - Contracted - Diamond 2006 Mabelvale Pk.	260,337	0	0	260,337
Construction - Contracted - Diversion Struct/Gravity Lines	2,198,302	0	0	2,198,302
Construction - Contracted - Pump Station/Basin/Force Main	27,440,837	0	0	27,440,837
Construction - Contracted - Redundant Force Emergency	246,025	0	0	246,025
Construction - Contracted - Redundant Force Main I	2,938,220	446,397	0	3,384,617
Construction - Contracted - Redundant Force Main II	3,155,563	1,000,000	0	4,155,563
Construction - In-house	50,711	0	0	50,711
SSES	926,704	0	0	926,704
Engineering Fees - Design	2,598,148	0	0	2,598,148
Engineering Fees - Bid Phase	148,343	0	0	148,343
Engineering Fees - Construction	1,532,200	539,430	0	2,071,630
Project Performance	105,682	0	0	105,682
Machinery & Equipment	27,986	0	0	27,986
Capitalized Interest/Administration	131,364	53,478	120,000	304,842
	<u>44,983,336</u>	<u>7,245,818</u>	<u>120,000</u>	<u>52,349,154</u>

#### Fourche Creek Treatment Facility Hydraulic Upgrade

The hydraulic upgrade of the Arch Street Pump Station from 38 MGD to 45 MGD will necessitate the hydraulic upgrade of the Fourche Creek Treatment Facility to a minimum of 45 MGD. An assessment of future flows to the facility will be conducted as part of this project to see if the minimum hydraulic capacity will need to be greater than 45 MGD. The 2010 budget allocates \$16,538,500 for the commencement of construction of the disinfection and secondary clarification process. The five-year forecast includes an additional \$6,762,400 for the completion of the third phase of this project. This project is being funded from proceeds of the 2007A, 2007C, and 2008A Sewer Revenue Bond issues.

	Forecasted thru 12/31/09	Budgeted 2010	Budgeted 2011	Total Project Cost
Construction - Contracted - Disinfection	1,252,324	4,930,000	0	6,182,324
Construction - Contracted - Secondary Clarification -Contract II	0	6,886,435	0	6,886,435
Construction - Contracted - Contract III	0	3,216,284	6,013,856	9,230,140
Construction - In-house	0	0	0	0
Engineering Fees - Bid Phase	136,473	78,295	0	214,768
Engineering Fees - Construction	314,296	938,064	748,548	2,000,908
Engineering Fees - Design	1,294,840	400,215	0	1,695,055
Engineering Fees - Preliminary	890,279	87,659	0	977,938
Project Performance	0	0	0	0
Machinery & Equipment	8,827	0	0	8,827
Capitalized Interest/Administration	3,061	1,500	0	4,561
	<u>3,900,100</u>	<u>16,538,452</u>	<u>6,762,404</u>	<u>27,200,956</u>

Collection System Rehabilitation Capacity Assurance Projects

Collection system rehabilitation and capacity assurance projects scheduled over the next five years are shown below on Table I. The majority of the projects have been extracted from the 15-year capital improvement plan outlined in the SECAP report. The total cost of work scheduled for 2010 is \$2,171,300. The 5-year forecast includes over \$74,260,000 for collection system rehabilitation and capacity assurance projects. Projects currently funded by an \$18,000,000 State Revolving Loan (RLF 8) acquired in 2007 will be completed in 2011. These projects include Jimmerson Creek OMP, Upper Hinson Outfall, Allsop South OMP, Barton OMP, Jimmerson West Outfall, and the Infiltration/Inflow Analysis.

There are five projects currently in design that will be funded with a Sewer Revenue Bond to be issued in 2011. The following projects will be constructed with funding from the 2011 bond issue: Allsop North/Country Club Rehabilitation, Echo Valley OMP, Pleasant Valley OMP, Allsop Park Outfall, and Country Club Outfall.

The remaining projects identified in the five year forecast will be funded through a series of Sewer Revenue Bond Issues totaling \$60,280,000.

*Table 1. Collection System Rehabilitation & Capacity Assurance Projects  
2010 through 2014*

<u>Year</u>	<u>Project</u>	<u>(1,000.)</u>
2010	Jimmerson Creek OMP	10.0
	Allsop South OMP	10.0
	Barton OMP	10.0
	Allsop North/Country Club Rehab	0.0
	Leawood OMP	0.0
	Echo Valley OMP	0.0
	Pleasant Valley OMP	0.0
	Allsop Park Outfall	0.0
	Country Club Outfall	0.0
	Granite Mountain OMP	0.0
	Lower Swaggerty OMP	0.0
	Subbasin 30100 OMP	10.0
	Jimmerson West Outfall	523.2
	Jimmerson West OMP	0.0
	Chicot SB - 40704	30.0
	Cloverdale SB - 40703	0.0
	Mabelvale Pike (East of University) SB-40701	0.0
	Meadow Cliff SB - 40702	50.0
	Longfellow SB - 11400	50.0

	Quapaw South SB - 20401	50.0
	I/I Analysis (SECAP Update)	1,428.1
	72" Interceptor University to 60th	0.0
	Rock Creek Interceptor	0.0
	<b>2010 Total</b>	<b>2,171.3</b>
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2011	Jimmerson Creek OMP	0.0
	Allsop South OMP	328.8
	Barton OMP	174.7
	Allsop North/Country Club Rehab	7,748.0
	Leawood OMP	0.0
	Echo Valley OMP	3,401.5
	Pleasant Valley OMP	3,287.4
	Allsop Park Outfall	1,749.7
	Country Club Outfall	2,833.2
	Granite Mountain OMP	0.0
	Lower Swaggerty OMP	0.0
	Subbasin 30100 OMP	0.0
	Jimmerson West Outfall	10.0
	Jimmerson West OMP	0.0
	Chicot SB - 40704	315.0
	Cloverdale SB - 40703	892.5
	Mabelvale Pike (East of University) SB-40701	1,050.0
	Meadow Cliff SB - 40702	0.0
	Longfellow SB - 11400	0.0
	Quapaw South SB - 20401	0.0
	I/I Analysis (SECAP Update)	0.0
	72" Interceptor University to 60th	0.0
	Rock Creek Interceptor	0.0
	<b>2011 Total</b>	<b>21,790.8</b>
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2012	Jimmerson Creek OMP	0.0
	Allsop South OMP	0.0
	Barton OMP	0.0
	Allsop North/Country Club Rehab	373.5
	Leawood OMP	3,996.9
	Echo Valley OMP	294.5
	Pleasant Valley OMP	279.2
	Allsop Park Outfall	0.0
	Country Club Outfall	0.0
	Granite Mountain OMP	0.0

	Lower Swaggerty OMP	3,307.5
	Subbasin 30100 OMP	0.0
	Jimmerson West Outfall	0.0
	Jimmerson West OMP	0.0
	Chicot SB - 40704	0.0
	Cloverdale SB - 40703	0.0
	Mabelvale Pike (East of University) SB-40701	1,323.0
	Meadow Cliff SB - 40702	1,653.8
	Longfellow SB - 11400	1,323.0
	Quapaw South SB - 20401	1,719.9
	I/I Analysis (SECAP Update)	0.0
	72" Interceptor University to 60th	0.0
	Rock Creek Interceptor	0.0
	<b>2012 Total</b>	<b>14,271.3</b>
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2013	Jimmerson Creek OMP	0.0
	Allsop South OMP	0.0
	Barton OMP	0.0
	Allsop North/Country Club Rehab	0.0
	Leawood OMP	1,881.5
	Echo Valley OMP	0.0
	Pleasant Valley OMP	0.0
	Allsop Park Outfall	0.0
	Country Club Outfall	0.0
	Granite Mountain OMP	1,101.8
	Lower Swaggerty OMP	2,315.3
	Subbasin 30100 OMP	1,085.3
	Jimmerson West Outfall	0.0
	Jimmerson West OMP	1,736.4
	Chicot SB - 40704	0.0
	Cloverdale SB - 40703	0.0
	Mabelvale Pike (East of University) SB-40701	0.0
	Meadow Cliff SB - 40702	2,431.0
	Longfellow SB - 11400	0.0
	Quapaw South SB - 20401	0.0
	I/I Analysis (SECAP Update)	0.0
	72" Interceptor University to 60th	694.6
	Rock Creek Interceptor	2,315.3
	<b>2013 Total</b>	<b>13,561.2</b>
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2014	Jimmerson Creek OMP	0.0

Allsop South OMP	0.0
Barton OMP	0.0
Allsop North/Country Club Rehab	0.0
Leawood OMP	265.3
Echo Valley OMP	0.0
Pleasant Valley OMP	0.0
Allsop Park Outfall	0.0
Country Club Outfall	0.0
Granite Mountain OMP	155.2
Lower Swaggerty OMP	12.2
Subbasin 30100 OMP	154.3
Jimmerson West Outfall	0.0
Jimmerson West OMP	607.8
Chicot SB - 40704	0.0
Cloverdale SB - 40703	0.0
Mabelvale Pike (East of University) SB-40701	0.0
Meadow Cliff SB - 40702	0.0
Longfellow SB - 11400	0.0
Quapaw South SB - 20401	0.0
I/I Analysis (SECAP Update)	0.0
72" Interceptor University to 60th	6,077.6
Rock Creek Interceptor	15,193.8
2014 Total	22,466.2

#### Trenchless Sewerline Rehabilitation

Trenchless sewer line rehabilitation is for the renewal of structurally deteriorated line segments that contribute to non-capacity overflows. Trenchless methods include Cured in Place Pipe (CIPP) and Pipe Bursting. Sewer line segments are identified through Sewer System Overflow (SSO) follow-up inspections and routine collection system inspections by LRW crews. The line segments slated for trenchless rehabilitation are typically located in areas where replacement by reconstruction is costly due to site restrictions. Lines identified by LRW as needing rehabilitation are added to the GLES (General Engineering Study) list of projects. Each line segment is evaluated and a ranking value is assigned based on criteria established by LRW. Utilizing the GLES list and ranking system, line segments are scheduled for rehabilitation.

LRW is entering the seventh year of using annual contracts for trenchless rehabilitation of existing sewer lines. For 2010, \$1,500,000 has been budgeted for trenchless rehabilitation work. LRW is continuing to see the value and results of the annual maintenance contracts as the number of non-capacity overflows continue to drop as well as the number of emergency calls due to line failures. LRW is projecting that \$1,500,000 will be needed each year from 2011 to 2014 for rehabilitation of sewer lines by trenchless methods as the lines are identified and added to the GLES list.

### Cantrell Road Pump Station Hydraulic Upgrade

Currently, all wastewater flows from the Little Maumelle sewer basin and all sanitary sewerage from the area north of Cantrell Road, including the Allsop Park and Country Club areas, flow through the Rebsamen Interceptor. This interceptor and an area of the city bounded by the Dillard's corporate headquarters to Central High School, to the University of Arkansas Medical Center, back to the Dillard's headquarters, flow to the Cantrell Road Pump Station through the Rose Creek sewer basin. Despite the planned capital improvement project to remove flows generated by the Little Maumelle sewer basin from the Rebsamen Interceptor, hydraulic modeling associated with the development of the SECAP indicated that the pump station needs to be hydraulically upgraded from its existing capacity of 28 million gallons per day, to 40 million gallons per day, in order to address sanitary sewer overflows associated with wet weather events in the vicinity of the pump station.

Additionally, frequent pump cycles indicate that the wet well of the pump station is undersized. After the pump station was constructed in 1968, a bar screen was installed to protect pumping equipment from damaging debris, despite the fact the station was not designed for such a process. The purpose of this project is to address these maintenance concerns and to improve the hydraulic capacity of the collection system during wet weather, thereby reducing the occurrence of sanitary sewer overflows in the vicinity of the pump station.

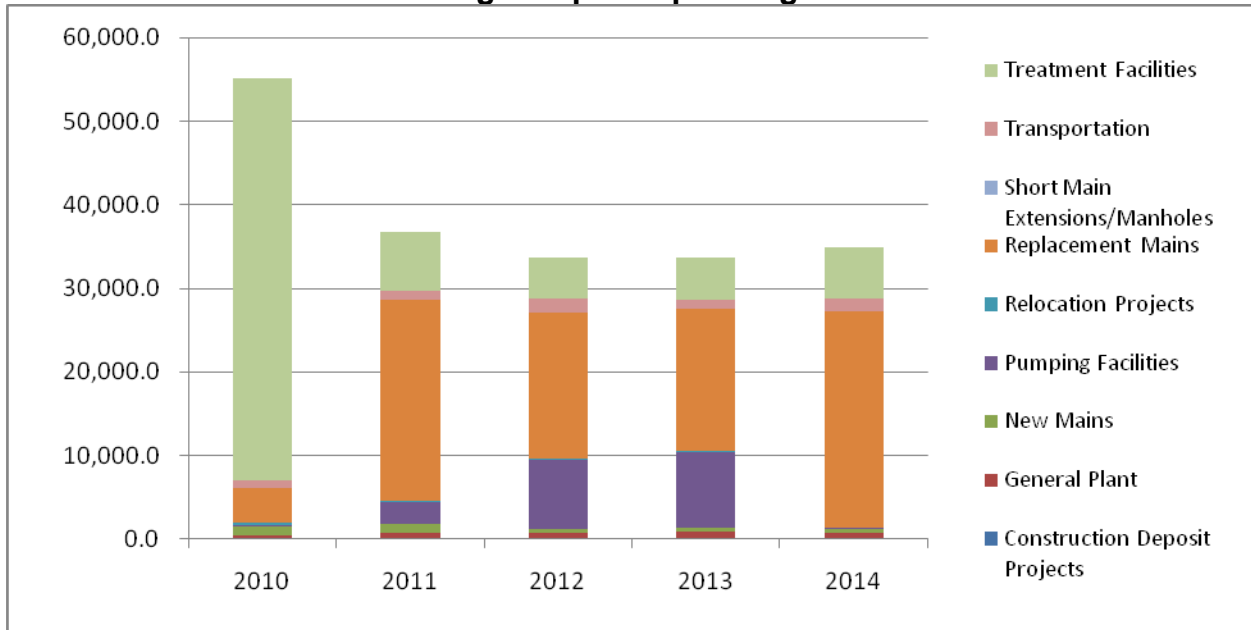
The 30-inch force main that conveys flows from the Cantrell Road Pump Station to the River Front Interceptor is a pre-stressed concrete cylinder force main that was installed circa 1968 and has been in service since. An engineering study of the force main needs to be performed to assess its existing condition as well as to determine the adequacy of the force main to withstand the additional pressures needed for the hydraulic upgrade of the pump station.

The five year forecast allocates project costs of \$2,570,000 in 2011, \$8,379,000 in 2012, and \$8,797,950 in 2013. The project is forecasted to be substantially completed in 2013 and will be funded thru a proposed Sewer Revenue Bond Issue.

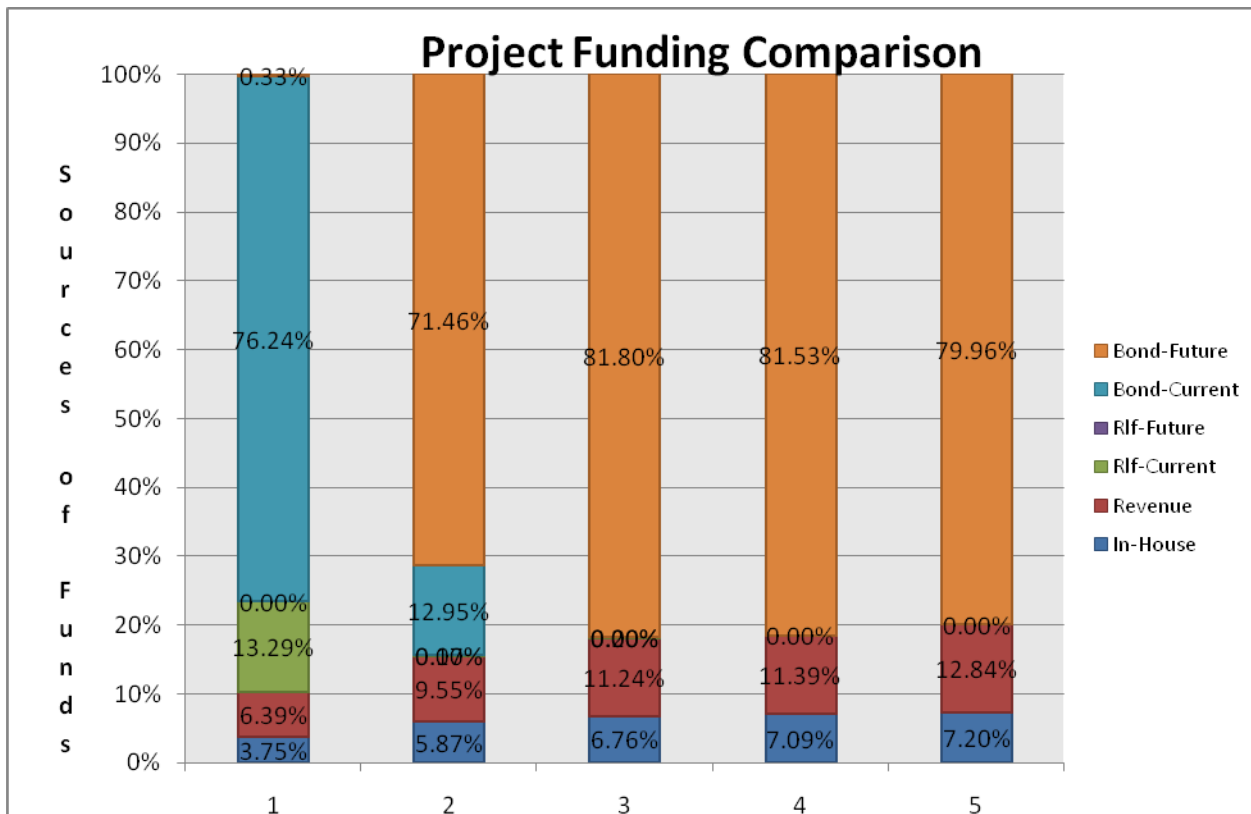
### Strategic Capital Operating Plan

The Little Rock Wastewater capital strategic plan (shown on page 113) includes projects from 2010 through 2014 adjusted by an annual inflation allowance of 5%. Net expenditures of approximately \$194,000,000 are forecasted to be completed thru 2014.

### Strategic Capital Operating Plan



Of that amount over \$11,400,000 will be completed by in-house construction, \$19,200,000 from revenues, \$7,500,000 from current State Revolving Loans, and \$156,300,000 from current and proposed revenue bond funds.



## ***Project Narratives***

### **Category 6 – Wastewater Pumping Facilities**

#### **6040100 Woodland Ridge Pump Station Improvements**

Little Rock Wastewater operates and maintains the Woodland Ridge Pump Station under a contract executed in 2003. The existing pump station is in disrepair. LRW staff conducted an analysis for eliminating the pump station by installing a gravity main. The analysis concluded the gravity main was economically feasible. The project consists of 2,240 linear feet of 8" Ductile Iron Pipe, trenching and backfill with depths ranging from 5' to 10', 13 manholes, and a road bore. The gravity main will eliminate the aging and outdated pump station. Projected expenses through 12/31/09 total \$19,200 with the remaining \$250,000 scheduled for 2010. This project is scheduled to be constructed using LRW construction crews.

Project					
Number	Description	Prior	2010	Beyond	Total
6040100	Woodland Ridge PS Improvements	19.2	250.0	0.0	269.2

#### **6100100 Access Road to Airport East Pump Station**

The Airport East Pump Station is located inside the fenced property of the Blue Cross/Blue Shield facility. This facility is located off Kellett Road, just east of the Little Rock National Airport. Currently, the only access to this station is via a guard station located at the front entrance of the facility. The pump station is only staffed during Blue Cross/Blue Shield operation hours. Our Pumps & Controls Crews need the capability to access this station for emergency situations on a 24-hour basis. This project is currently on hold until it can be determined whether this pump station is privately owned.

Project					
Number	Description	Prior	2010	Beyond	Total
6100100	Access Road to Airport East Pump Station	0.0	6.2	0.0	6.2

#### **6110100 Cantrell Road Pump Station Upgrade to 40 MGD**

Currently, all wastewater flows from the Little Maumelle sewer basin and all sanitary sewerage from the area north of Cantrell Road, including the Allsop Park and Country Club areas, flow through the Rebsamen Interceptor. This interceptor and an area of the city bounded by the Dillard's corporate headquarters to Central High School, to the University of Arkansas Medical Center, back to the Dillard's headquarters, flow to the Cantrell Road Pump Station through the Rose Creek sewer basin. Despite the planned capital improvement project to remove flows generated by the Little Maumelle sewer basin from the Rebsamen Interceptor, hydraulic modeling associated with the development of the SECAP indicated that the pump station needs to be hydraulically upgraded from its existing capacity of 28 million gallons per day, to 40 million gallons per day, in order to address sanitary sewer overflows associated with wet weather

events in the vicinity of the pump station. This project is scheduled to begin in 2011 and be substantially complete by 2013. It will be financed by a proposed bond issue in 2011.

Project Number	Description	Prior	2010	Beyond	Total
6110100	Cantrell Rd PS Upgrade to 40 MGD	0.0	0.0	19,746.8	19,746.8

### Category 7 – Wastewater Treatment Facilities

#### 7020100 Little Maumelle Wastewater Treatment Facility

A new treatment facility is needed to serve existing customers and future growth in the Little Maumelle River Basin. The pump station that currently serves the area overloads gravity sewers in Murray Park during wet weather, resulting in numerous overflows. In 2006, Camp Dresser and McKee commenced preliminary design of the treatment facility and associated improvements. This year’s budget allocates \$23,621,200 in 2010 for the completion of the construction of the facility, pump station, and conveyance. Construction is scheduled to be substantially complete at the end of 2010.

Project Number	Description	Prior	2010	Beyond	Total
7020100	Little Maumelle Wastewater Treatment Facilities	56,109.9 (477.9)	23,621.2 0.0	0.0 0.0	79,731.1 (477.9)

#### 7040100 Peak Flow Attenuation Facilities

The purpose of this project is to improve the hydraulic capacity of the collection system during wet weather events and address wet weather overflows in the western end of the Fourche Creek Bottoms. The project consists of a 50 MGD pump station, 12,000 l.f. of 48-inch force main, two diversion structures, and a 30 million gallon storage facility. The detention basins will store volumes of water generated by wet weather events and discharge into the collection system when flows return to normal. These facilities were placed in service mid-year 2009. The Arch Street Pump Station rehabilitation and hydraulic upgrade project is also included with the Peak Flow Attenuation Facilities project. These projects complement each other in that they both enhance the hydraulic conveyance capacity of the interceptor system through the Fourche Creek Bottoms, thereby reducing sanitary sewer overflows during wet weather events. The Arch Street project will increase the capacity of the station by 7 million gallons per day. To assure continuous service to the Fourche Creek Treatment Facility, a 30-inch redundant force main will also be included in this project. The redundant force main will also be employed during peak hydraulic flows from the Arch Street Pump Station to the Fourche Creek Treatment Facility. The existing 42-inch force main was not designed to withstand the increased pressures which will be created from the pump station hydraulic upgrade. Both the Arch Street Pump Station project and the redundant force main projects are scheduled to be substantially complete in 2010.

Project Number	Description	Prior	2010	Beyond	Total
7040100	Peak Flow Attenuation Facilities	44,983.3	7,245.8	120.0	52,349.1

**7070100 Fourche Creek Treatment Facility Hydraulic Upgrade**

The hydraulic upgrade of the Arch Street Pump Station from 38 MGD to 45 MGD will necessitate the hydraulic upgrade of the Fourche Creek Treatment Facility to a minimum of 45 MGD. An assessment of future flows to the facility will be conducted as part of this project to see if the minimum hydraulic capacity will need to be greater than 45 MGD. The 2010 budget allocates \$16,538,500 for the commencement of construction of the disinfection and secondary clarification process. The five-year forecast includes an additional \$6,272,900 for the completion of the third phase of this project.

Project Number	Description	Prior	2010	Beyond	Total
7070100	Fourche Creek TP Hydraulic Upgrade	3,900.1	16,538.5	6,762.4	27,201.0

**7080600 Gravity Belt Thickener Retrofit**

The existing Gravity Belt Thickener has been in service since 1997 and provides a critical process service in reducing the amount of extraneous water being added to the anaerobic digestion process, particularly during the warmer months of April through October, when settling diminishes. While routine maintenance on this equipment has been well maintained, the exposure to constant moisture and hydrogen sulfides has begun to weaken connections and hydraulic cylinders and has caused interferences in the control panel. The retrofit would address 1) relocation of critical electrical components away from the corrosive environment, 2) replace the polymer feed system components, 3) improve mixing zone effectiveness, and 4) enlarge influent and effluent hopper capacity to stabilize performance. This project is currently on hold but is scheduled to begin in 2010.

Project Number	Description	Prior	2010	Beyond	Total
7080600	Gravity Belt Thickener Retrofit	0.0	0.0	85.0	85.0

**7100100 Replace Fourche Gas Leak Sensors**

The methane gas leak sensors within the Fourche Creek Digester Complex and Generator Building are beginning to produce false alarms due to calibration drift and sensor age. These Gas Leak Detection Systems provide personnel protection in the event of combustible gas leaks.

Project Number	Description	Prior	2010	Beyond	Total
7100100	Replace Fourche Gas Leak Sensors	0.0	27.0	0.0	27.0

**7100200            Replace Adams Field Elevator**

The current service elevator in use at the main pump station will fall under the Arkansas Board of Labor, Elevator Safety Division's current regulations. These regulations, as per provisions of ASME A17.3-2005, Part 4.3.3, require that all hydraulic elevators that are equipped with a flat bottom jack to be replaced or retrofitted by 2011 with a current twin jack or other approved operation system. LRW has submitted an application for a variance to the Arkansas Board of Labor and LRW is currently awaiting a hearing date. If approval is granted, the complete replacement or retrofit may be waived, and, therefore, only requiring improvements as determined by the Board. This project cost is based on the need for full replacement of the present unit.

Project		Prior	2010	Beyond	Total
Number	Description				
7100200	Replace Adams Field Elevator	0.0	150.0	0.0	150.0

**7100300            Rebuild White Superior Engine**

The existing number 1 engine is due for a complete overhaul. It currently has endured over 150,000 hours since the last overhaul. This proposal will include an engine swap through Sinor Engine of Houston, Texas. Sinor Engine will bring in a rebuilt engine, remove the existing engine, and install the rebuilt engine within a five day period. This project will provide two fully-functioning units for back-up heating and power, should the new Jennbacher engine be down for an extended period of time during the cold months.

Project		Prior	2010	Beyond	Total
Number	Description				
7100300	Rebuild White Superior Engine	0.0	125.0	0.0	125.0

**7100400            Install High Speed Blowers at Adams Field Treatment Facility**

Currently, there are three blowers in the aeration process at Adam's Field. They are 1973-era centrifugal blowers running at 2,400 V, 3 phase. The electrical gear and controls are antiquated and it is very difficult and costly to obtain parts for them. Although these blowers have provided good service for over 30 years, they are electrically inefficient compared to the new high-speed blower technology that is available. The high-speed blowers operate 20%-40% more efficiently than our current blowers; thus, substantial energy can be saved from our monthly energy bill, which currently runs an average of \$21,000 per month.

Project		Prior	2010	Beyond	Total
Number	Description				
7100400	Install High Speed Blowers at Adams Field	0.0	290.0	0.0	290.0

**7100500 Adams Field Final Clarifier Stamford Baffle System**

The addition of the baffling system into the secondary clarifiers will provide the additional protection LRW needs during higher flow timeframes. The protection will come in the form of stopping currents within the clarifier named wall-creep, these currents develop at differing flow levels but are most problematic during the peak flows. When the wall-creep takes place, the solids creep up the walls of the clarifier and out into the effluent flow. These additional solids cause a shielding effect as the flow passes through the ultraviolet disinfection process. The facility may not break permit on total suspended solids but most likely will break permit on the fecal coli form counts. With the additional protection provided by the baffle system, LRW has made the treatment facility stronger in protecting the local environment.

Project Number	Description	Prior	2010	Beyond	Total
7100500	Adams Field Final Clarifier Stamford Baffle System	0.0	55.0	115.5	170.5

**Category 8 – Transportation Equipment**

**8090500 One Combination Cleaning Truck**

This truck will be used as the operating hydro truck designated to the hydro clean rover. Currently, VO409 is the assigned vehicle and has had operating expenses exceeding \$26,000 for the past two years. This project is contingent upon the award of GoRed! Grant funds in the amount of \$81,300. If awarded, vehicle VO625 will be destroyed as a requirement of the grant award.

Project Number	Description	Prior	2010	Beyond	Total
8090500	One Combination Cleaning Truck	0.0	325.0	0.0	325.0
		0.0	(81.3)	0.0	(81.3)

**8100100 Replace V0427 – ½ Ton Truck**

The existing truck has over 95,000 accumulated miles and continues to require an increasing amount of maintenance work in order to keep the vehicle operational. This vehicle is an integral part in providing a means of transportation and the ability to haul equipment/tools, both internal and external, of the treatment facility. Repair costs for this vehicle averages \$2,000 annually.

Project Number	Description	Prior	2010	Beyond	Total
8100100	Replace V0427 - 1/2 Ton Pickup	0.0	18.5	0.0	18.5

**8100200 Replace V0371 – ½ Ton Truck**

The existing truck has over 97,500 accumulated miles and continues to require an increasing amount of maintenance work in order to keep the vehicle operational. This vehicle is an integral part in providing a means of transportation and the ability to haul

equipment/tools, both internal and external, of the treatment facility. Repair costs for this vehicle averages \$2,000 annually.

Project Number	Description	Prior	2010	Beyond	Total
8100200	Replace V0371 - 1/2 Ton Pickup	0.0	22.0	0.0	22.0

**8100300 Replace Nine Rubber Tire Backhoes/  
Front End Loaders & Three Track Hoes**

Nine new 15-foot backhoe/loaders and three track-hoes are needed to replace the nine existing backhoes and three existing track-hoes, which were purchased on the buy-back program in 2008. The backhoe/loaders and track-hoes are used by our Capital Project crews and Line Repair crews daily.

Project Number	Description	Prior	2010	Beyond	Total
8100300	(9) Nine New Backhoes & 3 Track-hoes	0.0	542.0	0.0	542.0

**8100400 Replace 2-Ton Dump Truck V0416**

The existing 1996 Ford 2-ton dump truck needs to be replaced. It has been in service ten years and has acquired over 145,000 miles. LRW would like to request a new 2-ton dump truck that has a 10-yard dump bed to replace the existing 1996 Ford 2-ton dump truck. This truck is used by our Capital Project Crews on a daily basis. This truck will be submitted for purchase under the ADEQ Go Red! grant program and will only be replaced using available funding upon ADEQ's approval of our grant application.

Project Number	Description	Prior	2010	Beyond	Total
8100400	Replace 2-Ton Dump Truck V0416	0.0	77.0	0.0	77.0
		0.0	(19.3)	0.0	(19.3)

**8100500 Replace Fourche Forklift E0422**

The existing Fourche Treatment Facility forklift was purchased in February 1996. This forklift is used on a near-daily basis to accommodate many tasks as required throughout the facility. It underwent many repairs after the 2001 Task Building fire in order to be placed back into service; however, the corrosion process is now affecting it in a significant way. Taking into consideration the new larger pumps that are in service, the larger shoring boxes to be handled, and the needs of the Engine Generator Building, a larger capacity forklift is required. This replacement will provide a 7,000 pound rated capacity lift compared to the current lift that has only a 4,000 pound rated capacity.

Project Number	Description	Prior	2010	Beyond	Total
8100500	Replace Fourche Forklift E0422	0.0	32.0	0.0	32.0

## Category 9 – General Plant

### 9043200 Oil and Grease Testing Manifold, Apparatus

The current method used for O&G testing uses 1,1,2 trichloro-1,2,2 trifluoroethane (Freon) in the test procedure. EPA has ruled that all environmental labs must start using a new procedure using n-hexane, methanol, acetone by 2005. These solvents are flammable and most of the test procedures will have to be performed under a fume hood. The O&G testing is performed in support of the Pretreatment Program's excess sewage strength surcharge program. Currently these tests are performed by a contract laboratory service to meet test method requirements.

Project Number	Description	Prior	2010	Beyond	Total
9043200	O&G Testing Manifold, Apparatus	13.4	23.6	0.0	37.0

### 9080700 Repair Lower Parking Lot at Clearwater – Phase 2

An amount is requested for each year for the next two (2) years for repair work on the parking lot. The intent is to install concrete in the areas that continue to fail, which areas have been re-asphalted at least twice in the past 10 years. By breaking the work up into three time frames, Clearwater can continue to use the lot while the work is being performed. Phase three of this project is scheduled to be completed in 2011.

Project Number	Description	Prior	2010	Beyond	Total
9080700	Repair Lower Parking Lot at Clearwater	0.0	15.0	0.0	15.0

### 9090100 Hansen Permitting and Code Enforcement Modules

This module is needed to replace our current manual, paper intensive permitting process. It will provide a streamlined and integrated electronic tool for processing permits and tracking compliance for both residential and commercial LRW customers. Users will have immediate access to permit, inspection and code enforcement information throughout the Hansen enterprise-wide system. These modules can be set up with dynamic formula based fee structures allowing greater accuracy and flexibility in fee collations and tracking.

Project Number	Description	Prior	2010	Beyond	Total
9090100	Hansen Permit & Code Enforcement Modules	22.5	22.5	0.0	45.0

### 9090200 Hansen Asset Valuation Module

The Asset Valuation module will provide immediate and compiled value based information on all LRW assets. This highly integrated component of the IMS enterprise system will use initial assets cost information and related IMS work order and inspection data to track and calculate changes in the asset's value with regards to depreciation, revaluation or capital expenditures. This project has been delayed to 2011 in order to complete all the IMS and Hansen projects scheduled for 2009.

Project Number	Description	Prior	2010	Beyond	Total
9090200	Hansen Asset Valuation Module	0.0	0.0	25.0	25.0

### **9090300 IMS Version 8 Upgrade**

LRW has used IMS version seven for twelve years. The version 7 product has come to the end of its life cycle, requiring the implementation of INFOR/Hansen's latest software release. The IMS version 8 software has been redeveloped using a different technology and software paradigm. It will require extensive efforts to convert and migrate data from LRW existing system to the new system. INFOR/Hansen will provide this service in an accurate and expedited manner that will cause little or no interruption in system availability.

Project Number	Description	Prior	2010	Beyond	Total
9090300	IMS Version 8 Upgrade	45.0	45.0	0.0	90.0

### **9090400 IMS Map Drawer**

This module will allow users to query the Hansen database from the GIS user interface. An end-user can link most Hansen data attributes to any map quickly and easily. It will display assets, permits, work orders, service requests and more on an Arcview map in an automated method.

Project Number	Description	Prior	2010	Beyond	Total
9090400	IMS Map Drawer	24.0	1.0	0.0	25.0

### **9091000 Repair Lower Parking Lot at Clearwater – Phase 3**

This amount is needed for each year, for the next two years, for repair work on our parking lot. The intent is to install concrete in the areas that continue to fail. These same high traffic areas have been re-asphalted at least twice in the past ten years. By breaking the work up into three time frames we can continue to use the lot while the work is being performed. This project has been delayed until 2011 in order to complete the second phase of the parking lot repair.

Project Number	Description	Prior	2010	Beyond	Total
9091000	Repair Lower Parking Lot at Clearwater Ph. 3	0.0	0.0	15.0	15.0

### **9091700 Fourche Equipment Storage Building**

A 24'X50' pole barn type building is needed at Fourche for the storage of equipment and material. Currently all equipment, trailers and numerous other material items are being stored in an open environment, either on an asphalt lot, or in an open field. Weathering and UV deterioration is shortening the usable life of this equipment and material. This project is currently on hold until funds become available to complete.

Project Number	Description	Prior	2010	Beyond	Total
9091700	Fourche Equipment Storage Bldg.	0.0	0.0	27.5	27.5

**9091800            Replace One A/C Unit – Clearwater Maintenance Facility**

The A/C Units at this facility are aging and continue to require multiple repairs each year. Replacing one unit this year will initiate a replacement and upgrade plan at this facility.

Project Number	Description	Prior	2010	Beyond	Total
9091800	Replace A/C Unit Clearwater Mtn.	0.0	6.5	0.0	6.5

**9091900            Replace One A/C Unit – Fourche Administration Building**

The A/C units on this building are aged and continuously require multiple repairs each year. Replacing one unit this year will initiate a replacement and upgrade plan at this building.

Project Number	Description	Prior	2010	Beyond	Total
9091900	Replace A/C Unit Fourche Adm. Bldg.	0.0	6.5	0.0	6.5

**9092000            Replace One Glassware Cleaning System**

Both of the laboratory’s glassware washers need to be replaced. Replacement of both was budgeted for 2008; however, due to the projected cost of one unit, the budgeted amount is insufficient. The glassware washers are used daily 5 to 6 times each. These cleaning systems are crucial in reducing the amount of time spent cleaning glassware for reuse, and they help to reduce the rework resulting from contaminated glassware. Both units have been repaired several times over the past year.

Project Number	Description	Prior	2010	Beyond	Total
9092000	Replace Glassware Cleaning System (1)	0.0	18.7	0.0	18.7

**9092100            Replace Sampling Ice Machine**

The current sampling ice machine has been in service for approximately 10 years. Ice is needed 7 days a week to preserve the treatment facility samples and industrial samples. The ice machine needs to be replaced due to the increased number of mechanical and electrical failures that have been experienced which prevent the machine from being dependable.

Project Number	Description	Prior	2010	Beyond	Total
9092100	Replace Sampling Ice Machine	0.0	7.0	0.0	7.0

**9092200            Replace Lab Centrifuge**

The laboratory’s centrifuge needs to be replaced. Our present centrifuge is 10 years old and has been repaired several times. This instrument is used for sludge analysis required by the Operations Department for maximizing methane gas production from the digesters.

Project Number	Description	Prior	2010	Beyond	Total
9092200	Replace Lab Centrifuge	0.0	13.0	0.0	13.0

**9092600            Survey Grade GPS Equipment**

The purchase of this equipment will allow for a more cost effective development of survey control for large construction projects by eliminating the need to traverse control by conventional survey methods, thereby reducing man-hours. This equipment will also allow for the potential to provide the design surveys for small area projects utilizing only one person to gather data.

Project Number	Description	Prior	2010	Beyond	Total
9092600	Survey Grade GPS Equipment	17.7	22.3	0.0	40.0

**9100100            Hansen Web Service**

Hansen 8 Web Services provide a means for other applications to interact and exchange data with Hansen 8. They expose the methods and properties of the Hansen 8 business objects using standard Web technologies, including XML, WSDL, and SOAP. Since the application is built using open standards, Web Services allow any application to interact with Hansen 8, regardless of platform or language. Developers and integrators can use it for a wide variety of tasks, such as building interfaces, integrating Hansen 8 with other applications, or importing data into Hansen 8 from other sources.

Project Number	Description	Prior	2010	Beyond	Total
9100100	Hansen Web Service	0.0	25.0	0.0	25.0

**9100200            Mtelligence CBM (Hansen SCADA Interface)**

Mtelligence (Maintenance Intelligence) is a software solution that will enable LRW to leverage existing investments in condition monitoring, mobile handhelds, and smart instrumentation (SCADA) in conjunction with Hansen v8 to optimize maintenance planning and predictive Hansen v8 work orders. It facilitates utilization-based (i.e. runtime hours) and condition-based (i.e. alarm condition) work orders to be triggered automatically when tag values exceed predefined thresholds. This integration of systems also gives Maintenance personnel access to real-time asset conditions without having to leave the Hansen v8 application, while providing Operations personnel visibility into maintenance statuses directly from their SCADA screens.

Project Number	Description	Prior	2010	Beyond	Total
9100200	Mtelligence CBM (Hansen SCADA interface)	0.0	13.5	0.0	13.5

### **9100300 Replace Lab DI Water System**

The current Elga Pure Type I Water system needs to be replaced. It requires frequent maintenance and in the last two years there have been three occasions where the loss of BOD tests have been directly related to the Type I water production system.

Project Number	Description	Prior	2010	Beyond	Total
9100300	Replace Lab DI Water System	0.0	26.0	0.0	26.0

### **9100400 Replace Solids/Fecal Sterilization Oven**

The laboratory needs to replace two mechanical convection ovens used for solids testing and sterilization of microbiological glassware. The current models are 15 and 12 years old, respectively and run continuously. These ovens are used daily for EPA and process required solids and fecal coliform testing and must be maintained at the test required temperature at all times.

Project Number	Description	Prior	2010	Beyond	Total
9100400	Replace Solids/Fecal Sterilization Oven (2)	0.0	8.0	0.0	8.0

### **9100500 Replace BOD Incubator (2)**

The laboratory needs to replace two BOD incubators. The current models are twelve years old and run continuously. These incubators are used daily for NPDES Permit and process required BOD measurements and must be maintained at the test temperature 20.0 ±1.0 C° at all times.

Project Number	Description	Prior	2010	Beyond	Total
9100500	Replace BOD Incubator (2)	0.0	18.3	0.0	18.3

### **9100600 Replace Copier at Clearwater Maintenance Facility**

The lease on the Canon C3100N Super G copier (located in the Clearwater Maintenance Facility) will expire in February 2010. LRW would like to purchase a copy machine/fax machine combination unit to replace the current leased copier. This machine will have email, scan, fax, and copy capabilities, making it more efficient for all office and field maintenance staff in the Clearwater facility. This listed amount also includes cost for training maintenance staff on how to operate the unit.

Project Number	Description	Prior	2010	Beyond	Total
9100600	Replace Copier at Clearwater Maintenance Facility	0.0	11.0	0.0	11.0

**9100700 Replace Engineering Color Copier**

This project is to purchase a replacement for the currently leased Engineering Color Copier. The Engineering Color Copier (Canon Color Image RUNNER C3220 copier) is nearing the end of the five year lease agreement, which is due to expire in April 2010, and will be returned to the vendor. This machine is the primary copier used to produce GIS map sheets for updating map books and reproduction of half size construction drawings.

Project Number	Description	Prior	2010	Beyond	Total
9100700	Replace Engineering Copier	0.0	35.0	0.0	35.0

**9100800 New Scaffolding**

This item is for the rolling scaffolding that will assist all crews in tasks such as painting, mechanics, carpentry, etc. The scaffolding will enable the LRW employees to conduct their jobs safely when required to work in elevated areas and will also enable employees to remain within OSHA required guidelines.

Project Number	Description	Prior	2010	Beyond	Total
9100800	New Scaffolding	0.0	5.5	0.0	5.5

**9100900 Hermes Engravograph**

This item will be used utility-wide in order to label switchgear components and equipment. All switchgear must be labeled per OSHA guidelines. From an operations standpoint, this is critical to ensure that equipment is understood by employees. Labeling will provide the operator with a description of the intended functionality when the equipment is powered up.

Project Number	Description	Prior	2010	Beyond	Total
9100900	Hermes Engravograph	0.0	6.5	0.0	6.5

**9101000 Shop Floor Band Saw**

This equipment will be used within the Maintenance Shop at the Fourche Creek Treatment Facility. The saw is used on a daily basis in the shop for fabrication metal work throughout the system. It is the Maintenance Team's intention to perform all metal fabrication in-house as much as possible to keep from being dependent upon outside vendors and to prevent long turn-around times.

Project Number	Description	Prior	2010	Beyond	Total
9101000	Shop Floor Band Saw	0.0	10.0	0.0	10.0

**9101100            Replace A/C Unit Clearwater Maintenance Facility**

The existing A/C units are again and continue to require various repairs. These units are also using the phased-out refrigerant, which is continually becoming more and more expensive to obtain.

Project Number	Description	Prior	2010	Beyond	Total
9101100	Replace A/C Unit Clearwater Maint.	0.0	7.0	0.0	7.0

**9101200            Replace A/C Unit Fourche Administration**

These units are aged and are critical to lab operations. They are very susceptible to the hydrogen sulfide gasses as well as to exhausted lab gasses, which tend to shorten the life of these units.

Project Number	Description	Prior	2010	Beyond	Total
9101200	Replace A/C Unit Fourche Admin	0.0	7.0	0.0	7.0

2010 CAPITAL OPERATING PLAN

(\$1,000)

PROJECT NUMBER	PROJECT DESCRIPTION		FORECAST 2009	CARRY-OVER 2010	NEW 2010	TOTAL 2010
100000	Short Main Extensions/Manholes and Epoxy Manhole Rehab	GROSS	0.0	0.0	5.0	5.0
		A & C	0.0	0.0	0.0	0.0
		NET	0.0	0.0	5.0	5.0
200000	Construction Deposit Projects	GROSS	1,374.1	0.0	1,560.0	1,560.0
		A & C	(1,374.1)	0.0	(1,500.0)	(1,500.0)
		NET	0.0	0.0	60.0	60.0
300000	New Mains at Utility Cost	GROSS	1,876.8	1,034.9	0.0	1,034.9
		A & C	0.0	0.0	0.0	0.0
		NET	1,876.8	1,034.9	0.0	1,034.9
400000	Replacement Mains at Utility Cost	GROSS	12,614.9	2,360.8	1,780.6	4,141.4
		A & C	0.0	0.0	0.0	0.0
		NET	12,614.9	2,360.8	1,780.6	4,141.4
500000	Relocation Projects	GROSS	0.0	250.0	0.0	250.0
		A & C	0.0	(250.0)	0.0	(250.0)
		NET	0.0	0.0	0.0	0.0
600000	Wastewater Pumping Facilities	GROSS	27.1	250.0	6.2	256.2
		A & C	0.0	0.0	0.0	0.0
		NET	27.1	250.0	6.2	256.2
700000	Wastewater Treatment Facilities	GROSS	62,770.6	47,405.5	647.0	48,052.5
		A & C	0.0	0.0	0.0	0.0
		NET	62,770.6	47,405.5	647.0	48,052.5
800000	Transportation Equipment	GROSS	880.2	325.0	691.5	1,016.5
		A & C	(33.0)	(81.3)	(19.3)	(100.5)
		NET	847.2	243.8	672.3	916.0
900000	General Plant	GROSS	587.1	181.1	172.8	353.9
		A & C	0.0	0.0	0.0	0.0
		NET	587.1	181.1	172.8	353.9
TOTALS	Gross Expenditures Advances & Contributions Net Expenditures		80,130.8	51,807.3	4,863.1	56,670.4
			(1,407.1)	(331.3)	(1,519.3)	(1,850.5)
			78,723.7	51,476.1	3,343.9	54,819.9

CAPITAL OPERATING PLAN  
**SHORT MAIN EXTENSIONS/MANHOLES AND EPOXY MANHOLE REHAB**  
Thousands of Dollars to One Decimal Place

PROJECT NUMBER	PROJECT DESCRIPTION	CARRYOVERS GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)				NEW GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)			
		PRIOR	2010	BEYOND	TOTAL	PRIOR	2010	BEYOND	TOTAL
1100000	Short Main Extensions/Manholes and Epoxy Manhole Rehab	0.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	GROSS EXPENDITURES	0.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0
	ADVANCES & CONTRIBUTIONS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NET EXPENDITURES	0.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0

CAPITAL OPERATING PLAN  
**NEW MAINS AT UTILITY COST**  
Thousands of Dollars to One Decimal Place

PROJECT NUMBER	PROJECT DESCRIPTION	CARRYOVERS GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)				NEW GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)			
		PRIOR	2010	BEYOND	TOTAL	PRIOR	2010	BEYOND	TOTAL
2100000	Construction Deposit Projects	0.0	0.0	0.0	0.0	0.0	1,560.0	0.0	1,560.0
		0.0	0.0	0.0	0.0	0.0	(1,500.0)	0.0	(1,500.0)
TOTAL	GROSS EXPENDITURES	0.0	0.0	0.0	0.0	0.0	1,560.0	0.0	1,560.0
	ADVANCES & CONTRIBUTIONS	0.0	0.0	0.0	0.0	0.0	(1,500.0)	0.0	(1,500.0)
	NET EXPENDITURES	0.0	0.0	0.0	0.0	0.0	60.0	0.0	60.0

CAPITAL OPERATING PLAN  
**NEW MAINS AT UTILITY COST**  
Thousands of Dollars to One Decimal Place

PROJECT NUMBER	PROJECT DESCRIPTION	CARRYOVERS GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)				NEW GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)			
		PRIOR	2010	BEYOND	TOTAL	PRIOR	2010	BEYOND	TOTAL
3061100	4020 S. Lookout	50.5 0.0	200.0 0.0	0.0 0.0	250.5 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3061600	6020 Longwood Rd.	16.8 0.0	18.0 0.0	0.0 0.0	34.8 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3062000	1918 Chester St.	5.3 0.0	32.2 0.0	0.0 0.0	37.5 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3062900	208 Rose St.	10.5 0.0	0.0 0.0	199.5 0.0	210.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3063400	905 Maple St.	50.9 0.0	0.0 0.0	68.3 0.0	119.2 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3070300	11600 Bain Bridge Extension	3.3 0.0	46.7 0.0	0.0 0.0	50.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3070400	Unsewered Area 28	341.4 0.0	10.0 0.0	0.0 0.0	351.4 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3070500	108 Pulaski	7.1 0.0	0.0 0.0	152.3 0.0	159.4 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3070600	901 W. 3rd Street	31.9 0.0	60.0 0.0	0.0 0.0	91.9 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3070800	2317 Jackson Street	1.7 0.0	0.0 0.0	52.5 0.0	54.2 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3071100	2417 Marshall Street	5.1 0.0	0.0 0.0	44.1 0.0	49.2 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3071600	519 N Pine Street	16.6 0.0	200.0 0.0	0.0 0.0	216.6 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3071900	3420 Lamar	8.7 0.0	95.0 0.0	0.0 0.0	103.7 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3072100	4213 W. 10th Street	4.1 0.0	0.0 0.0	147.0 0.0	151.1 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3072400	4115 "C" Street	0.0 0.0	0.0 0.0	36.8 0.0	36.8 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3072500	5421 Sherwood Dr.	0.0 0.0	0.0 0.0	31.5 0.0	31.5 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3072800	2724 Ringo Street	1.4 0.0	0.0 0.0	26.3 0.0	27.7 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3073000	1006 Cross	7.5 0.0	0.0 0.0	26.3 0.0	33.8 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3080300	4800 Lovett	3.8 0.0	0.0 0.0	26.3 0.0	30.1 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3080400	27 Ivy Dr.	0.0 0.0	0.0 0.0	26.3 0.0	26.3 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3080500	5105 G St.	3.9 0.0	0.0 0.0	26.3 0.0	30.2 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
3080600	5223 G St.	0.3	0.0	26.3	26.6	0.0	0.0	0.0	0.0

CAPITAL OPERATING PLAN  
**NEW MAINS AT UTILITY COST**  
Thousands of Dollars to One Decimal Place

PROJECT NUMBER	PROJECT DESCRIPTION	CARRYOVERS GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)				NEW GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)			
		PRIOR	2010	BEYOND	TOTAL	PRIOR	2010	BEYOND	TOTAL
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3080900	2100 Ringo St.	0.3	0.0	26.3	26.6	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3081000	1709 N. Pierce Street	1.4	0.0	26.3	27.7	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3081200	805 Beechwood	0.8	0.0	26.3	27.1	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3081700	1323 W. 16th	1.7	25.0	0.0	26.7	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3081800	1125 Broadway	2.4	0.0	42.0	44.4	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3081900	1408 W. 16th	1.2	45.0	0.0	46.2	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3082100	8310 Louwanda	3.2	33.0	0.0	36.2	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3082200	1 Alpine Court	3.4	220.0	0.0	223.4	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3090500	1858 Arch St.	0.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3090600	31 Bellemeade	0.0	0.0	78.8	78.8	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3090700	209 N. Beechwood	0.0	0.0	31.5	31.5	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3090800	1321 Scott St.	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3090900	2000 Beechwood	0.0	5.0	0.0	5.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3100000	New Main Projects - 2010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	GROSS EXPENDITURES	585.2	1,034.9	1,121.0	2,741.1	0.0	0.0	0.0	0.0
	ADVANCES & CONTRIBUTIONS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NET EXPENDITURES	585.2	1,034.9	1,121.0	2,741.1	0.0	0.0	0.0	0.0

CAPITAL OPERATING PLAN  
**REPLACEMENT MAINS AT UTILITY COSTS**

Thousands of Dollars to One Decimal Place

PROJECT NUMBER	PROJECT DESCRIPTION	CARRYOVERS GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)				NEW GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)			
		PRIOR	2010	BEYOND	TOTAL	PRIOR	2010	BEYOND	TOTAL
4021300	Jimmerson Creek OMP	4,421.0 0.0	10.0 0.0	0.0 0.0	4,431.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4060100	Allsop South OMP	4,525.0 0.0	10.0 0.0	328.8 0.0	4,863.8 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4060200	Barton OMP	2,441.1 0.0	10.0 0.0	174.7 0.0	2,625.8 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4060300	Allsop North/Country Club Rehab	338.6 0.0	0.0 0.0	8,121.6 0.0	8,460.2 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4070600	Leawood OMP	363.8 0.0	0.0 0.0	6,143.6 0.0	6,507.4 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4070700	Echo Valley OMP	479.3 0.0	0.0 0.0	3,696.0 0.0	4,175.3 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4070800	Pleasant Valley OMP	411.5 0.0	0.0 0.0	3,566.5 0.0	3,978.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4073300	Allsop Park Outfall	290.3 0.0	0.0 0.0	1,749.7 0.0	2,040.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4073400	Country Club Outfall	285.2 0.0	0.0 0.0	2,833.2 0.0	3,118.4 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4074400	6704 Greenwood	5.1 0.0	15.0 0.0	0.0 0.0	20.1 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4074600	1865 Chester Street	0.0 0.0	0.0 0.0	26.3 0.0	26.3 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4074800	912 W. Roosevelt	0.0 0.0	15.0 0.0	0.0 0.0	15.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4074900	4119 Lee Avenue	0.0 0.0	0.0 0.0	26.3 0.0	26.3 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4075000	619 N. Monroe St.	0.0 0.0	25.0 0.0	0.0 0.0	25.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4080100	Granite Mountain OMP	163.7 0.0	0.0 0.0	1,257.0 0.0	1,420.7 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4080200	Lower Swaggerty OMP	525.1 0.0	0.0 0.0	5,794.4 0.0	6,319.5 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4080300	Subbasin 30100 OMP	158.7 0.0	10.0 0.0	1,239.6 0.0	1,408.3 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4080400	2400 Broadway	6.5 0.0	0.0 0.0	68.3 0.0	74.8 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4080500	16th & Scott	1.8 0.0	18.2 0.0	0.0 0.0	20.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4082100	Jimmerson West Outfall	502.1 0.0	523.2 0.0	10.0 0.0	1,035.3 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
4083100	Jimmerson West OMP	449.0 0.0	0.0 0.0	2,503.7 0.0	2,952.7 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0

CAPITAL OPERATING PLAN  
**REPLACEMENT MAINS AT UTILITY COSTS**

Thousands of Dollars to One Decimal Place

PROJECT NUMBER	PROJECT DESCRIPTION	CARRYOVERS GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)				NEW GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)			
		PRIOR	2010	BEYOND	TOTAL	PRIOR	2010	BEYOND	TOTAL
4084200	Chicot SB-40704	0.0	30.0	315.0	345.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4084300	Cloverdale SB-40703	85.0	0.0	892.5	977.5	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4084400	Mabelvale Pike (East of University) SB-40701	100.0	0.0	2,373.0	2,473.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4084500	Meadowcliff SB-40702	100.0	50.0	4,084.8	4,234.8	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4084600	Longfellow SB-11400	15.1	50.0	1,323.0	1,388.1	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4084700	Quapaw South SB-20401	0.0	50.0	1,719.9	1,769.9	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4085100	2201 Broadway Relay	1.4	0.0	36.8	38.2	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4085200	Riverview Drive Relay	3.1	85.0	0.0	88.1	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4085600	6000 Kenwood Drive	0.9	21.3	0.0	22.2	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4091600	Tamarack Condos	1.9	10.0	0.0	11.9	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4091700	Greenland Cv Relay	0.0	0.0	52.5	52.5	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4092400	I/I Analysis (SECAP Update)	200.0	1,428.1	0.0	1,628.1	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4100100	72" Interceptor University to 60th	0.0	0.0	0.0	0.0	0.0	0.0	9,962.8	9,962.8
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4100200	Rock Creek Interceptor	0.0	0.0	0.0	0.0	0.0	0.0	33,462.6	33,462.6
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4100000	Construction - InHouse	0.0	0.0	0.0	0.0	0.0	280.6	0.0	280.6
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4100000	Contract-Sewer Rehabilitation	0.0	0.0	0.0	0.0	0.0	1,500.0	0.0	1,500.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>TOTAL</b>	<b>GROSS EXPENDITURES</b>	<b>15,875.2</b>	<b>2,360.8</b>	<b>48,337.2</b>	<b>66,573.2</b>	<b>0.0</b>	<b>1,780.6</b>	<b>43,425.4</b>	<b>45,206.0</b>
	<b>ADVANCES &amp; CONTRIBUTIONS</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
	<b>NET EXPENDITURES</b>	<b>15,875.2</b>	<b>2,360.8</b>	<b>48,337.2</b>	<b>66,573.2</b>	<b>0.0</b>	<b>1,780.6</b>	<b>43,425.4</b>	<b>45,206.0</b>

CAPITAL OPERATING PLAN  
**RELOCATION PROJECTS**  
Thousands of Dollars to One Decimal Place

PROJECT NUMBER	PROJECT DESCRIPTION	<b>CARRYOVERS</b> GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)				<b>NEW</b> GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)			
		PRIOR	2010	BEYOND	TOTAL	PRIOR	2010	BEYOND	TOTAL
5090100	AHTD Highway 5 Widening	0.0	250.0	0.0	250.0	0.0	0.0	0.0	0.0
		0.0	(250.0)	0.0	(250.0)	0.0	0.0	0.0	0.0
TOTAL	GROSS EXPENDITURES	0.0	250.0	0.0	250.0	0.0	0.0	0.0	0.0
	ADVANCES & CONTRIBUTIONS	0.0	(250.0)	0.0	(250.0)	0.0	0.0	0.0	0.0
	NET EXPENDITURES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAPITAL OPERATING PLAN  
**WASTEWATER PUMPING PLANT**  
Thousands of Dollars to One Decimal Place

NUMBER	PROJECT DESCRIPTION	CARRYOVERS				NEW			
		GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)				GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)			
		PRIOR	2010	BEYOND	TOTAL	PRIOR	2010	BEYOND	TOTAL
6040100	Woodland Ridge PS Improvements 404	19.2	250.0	0.0	269.2	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6100100	Access Road to Airport East Pump Station Hold	0.0	0.0	0.0	0.0	0.0	6.2	0.0	6.2
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6110100	Cantrell Rd PS Upgrade to 40 MGD 404	0.0	0.0	0.0	0.0	0.0	0.0	19746.8	19746.8
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	GROSS EXPENDITURES	19.2	250.0	0.0	269.2	0.0	6.2	19746.8	19753.0
	ADVANCES & CONTRIBUTIONS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NET EXPENDITURES	19.2	250.0	0.0	269.2	0.0	6.2	19746.8	19753.0

CAPITAL OPERATING PLAN  
**WASTEWATER TREATMENT FACILITIES**  
Thousands of Dollars to One Decimal Place

PROJECT NUMBER	PROJECT DESCRIPTION	CARRYOVERS GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)				NEW GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)			
		PRIOR	2010	BEYOND	TOTAL	PRIOR	2010	BEYOND	TOTAL
	Little Maumelle Wastewater Treatment								
7020100	Facilities	56,109.9	23,621.2	0.0	79,731.1	0.0	0.0	0.0	0.0
	404	(477.9)	0.0	0.0	(477.9)	0.0	0.0	0.0	0.0
7040100	Peak Flow Attenuation Facilities	44,983.3	7,245.8	120.0	52,349.1	0.0	0.0	0.0	0.0
	404	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7070100	Fourche Creek TF Hydraulic Upgrade	3,900.1	16,538.5	6,762.4	27,201.0	0.0	0.0	0.0	0.0
	404	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7080600	Gravity Belt Thickener Retrofit	0.0	0.0	85.0	85.0	0.0	0.0	0.0	0.0
	Hold 407	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7100100	Replace Fourche Gas Leak Sensors	0.0	0.0	0.0	0.0	0.0	27.0	0.0	27.0
	405	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7100200	Replace Adams Field Elevator	0.0	0.0	0.0	0.0	0.0	150.0	0.0	150.0
	Hold 406F&E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7100300	Rebuild White Superior Engine	0.0	0.0	0.0	0.0	0.0	125.0	0.0	125.0
	Hold 406F&E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Install High Speed Blowers at Adams Field								
7100400	TP	0.0	0.0	0.0	0.0	0.0	290.0	0.0	290.0
	406F&E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Adams Field Final Clarifier Stamford								
7100500	Baffle System	0.0	0.0	0.0	0.0	0.0	55.0	115.5	170.5
	Hold 407	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	GROSS EXPENDITURES	104,993.3	47,405.5	6,967.4	159,366.2	0.0	647.0	115.5	762.5
	ADVANCES & CONTRIBUTIONS	(477.9)	0.0	0.0	(477.9)	0.0	0.0	0.0	0.0
	NET EXPENDITURES	104,515.4	47,405.5	6,967.4	158,888.3	0.0	647.0	115.5	762.5

CAPITAL OPERATING PLAN  
**TRANSPORTATION EQUIPMENT**  
Thousands of Dollars to One Decimal Place

PROJECT NUMBER	PROJECT DESCRIPTION	CARRYOVERS GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)				NEW GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)			
		PRIOR	2010	BEYOND	TOTAL	PRIOR	2010	BEYOND	TOTAL
8090500	One Combination Cleaning Truck 406C&I	0.0	325.0	0.0	325.0	0.0	0.0	0.0	0.0
		0.0	(81.3)	0.0	(81.3)	0.0	0.0	0.0	0.0
8100100	Replace V0427 - 1/2 Ton Pickup 407	0.0	0.0	0.0	0.0	0.0	18.5	0.0	18.5
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8100200	Replace V0371 - 1/2 Ton Pickup 407	0.0	0.0	0.0	0.0	0.0	22.0	0.0	22.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8100300	(9) Nine New Backhoes & 3 Trackhoes 406C&R	0.0	0.0	0.0	0.0	0.0	542.0	0.0	542.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8100400	Replace 2-Ton Dump Truck V0416 406C&R	0.0	0.0	0.0	0.0	0.0	77.0	0.0	77.0
		0.0	0.0	0.0	0.0	0.0	(19.3)	0.0	(19.3)
8100500	Replace Fourche Forklift E0422 406F&E	0.0	0.0	0.0	0.0	0.0	32.0	0.0	32.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	GROSS EXPENDITURES	0.0	325.0	0.0	325.0	0.0	691.5	0.0	691.5
	ADVANCES & CONTRIBUTIONS	0.0	(81.3)	0.0	(81.3)	0.0	(19.3)	0.0	(19.3)
	NET EXPENDITURES	0.0	243.8	0.0	243.8	0.0	672.3	0.0	672.3

CAPITAL OPERATING PLAN  
**GENERAL PLANT**  
Thousands of Dollars to One Decimal Place

PROJECT NUMBER	PROJECT DESCRIPTION	CARRYOVERS GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)				NEW GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)			
		PRIOR	2010	BEYOND	TOTAL	PRIOR	2010	BEYOND	TOTAL
9043200	O&G Testing Manifold, Apparatus 408	13.4 0.0	23.6 0.0	0.0 0.0	37.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
9080700	Repair Lower Parking Lot at Clearwater Phase 2 406C&R	0.0 0.0	15.0 0.0	0.0 0.0	15.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
9090100	Hansen Permit & Code Enforcement Modules 405	22.5 0.0	22.5 0.0	0.0 0.0	45.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
9090200	Hansen Asset Valuation Module Hold 405	0.0 0.0	0.0 0.0	25.0 0.0	25.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
9090300	IMS Version 8 Upgrade 405	45.0 0.0	45.0 0.0	0.0 0.0	90.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
9090400	IMS Map Drawer 405	24.0 0.0	1.0 0.0	0.0 0.0	25.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
9091000	Repair Lower Parking Lot at Clearwater Phase 3 Hold 406C&R	0.0 0.0	0.0 0.0	15.0 0.0	15.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
9091700	Fourche Equipment Storage Bldg. Hold 406F&E	0.0 0.0	0.0 0.0	27.5 0.0	27.5 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
9091800	Replace A/C Unit Clearwater Mtn. 406F&E	0.0 0.0	6.5 0.0	0.0 0.0	6.5 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
9091900	Replace A/C Unit Fourche Adm. Bldg. 406F&E	0.0 0.0	6.5 0.0	0.0 0.0	6.5 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
9092000	Replace Glassware Cleaning System (1) 408	0.0 0.0	18.7 0.0	0.0 0.0	18.7 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
9092100	Replace Sampling Ice Machine 408	0.0 0.0	7.0 0.0	0.0 0.0	7.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
9092200	Replace Lab Centrifuge 408	0.0 0.0	13.0 0.0	0.0 0.0	13.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
9092600	Survey Grade GPS Equipment 404	17.7 0.0	22.3 0.0	0.0 0.0	40.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
9100100	Hansen Web Service 405	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	25.0 0.0	0.0 0.0	25.0 0.0
9100200	Mtelligence CBM (Hansen SCADA interface) 405	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	13.5 0.0	0.0 0.0	13.5 0.0
9100300	Replace Lab DI Water System 408	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	26.0 0.0	0.0 0.0	26.0 0.0
9100400	Replace Solids/Fecal Sterilization Oven (2) 408	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	8.0 0.0	0.0 0.0	8.0 0.0
9100500	Replace BOD Incubator (2) 408	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	18.3 0.0	0.0 0.0	18.3 0.0

CAPITAL OPERATING PLAN  
**GENERAL PLANT**  
Thousands of Dollars to One Decimal Place

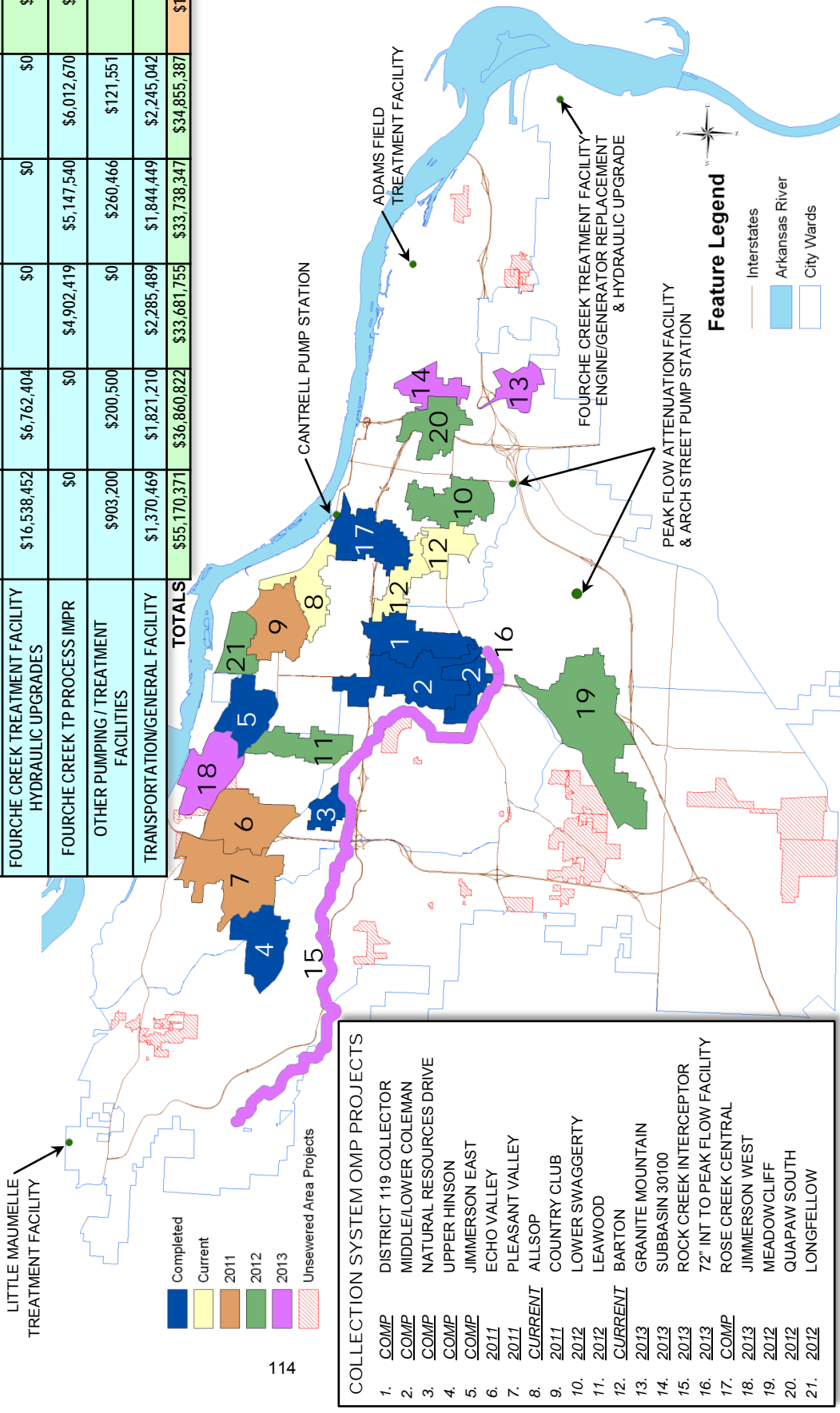
PROJECT NUMBER	PROJECT DESCRIPTION	CARRYOVERS GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)				NEW GROSS EXPENDITURES (ADVANCES & CONTRIBUTIONS)			
		PRIOR	2010	BEYOND	TOTAL	PRIOR	2010	BEYOND	TOTAL
9100600	Replace Copier at Clearwater Maintenance Facility 406C&R	0.0	0.0	0.0	0.0	0.0	11.0	0.0	11.0
9100700	Replace Engineering Copier 404	0.0	0.0	0.0	0.0	0.0	35.0	0.0	35.0
9100800	New Scaffolding 406F&E	0.0	0.0	0.0	0.0	0.0	5.5	0.0	5.5
9100900	Hermes Engravograph 406F&E	0.0	0.0	0.0	0.0	0.0	6.5	0.0	6.5
9101000	Shop Floor Band Saw 406F&E	0.0	0.0	0.0	0.0	0.0	10.0	0.0	10.0
9101100	Replace A/C Unit Clearwater Maint. 406F&E	0.0	0.0	0.0	0.0	0.0	7.0	0.0	7.0
9101200	Replace A/C Unit Fourche Admin 406F&E	0.0	0.0	0.0	0.0	0.0	7.0	0.0	7.0
TOTAL	GROSS EXPENDITURES	122.6	181.1	67.5	371.2	0.0	172.8	0.0	172.8
	ADVANCES & CONTRIBUTIONS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NET EXPENDITURES	122.6	181.1	67.5	371.2	0.0	172.8	0.0	172.8

STRATEGIC CAPITAL OPERATING PLAN

PROJECT NUMBER	PROJECT DESCRIPTION		ACTUAL	FORECAST	PROPOSED	FORECAST			
			2008	2009	2010	2011	2012	2013	2014
1010000	Short Main Extensions/ Manholes	GROSS	0.0	0.0	5.0	5.3	5.5	5.8	6.1
		A & C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		NET	0.0	0.0	5.0	5.3	5.5	5.8	6.1
2010000	Construction Deposit Projects	GROSS	2,869.5	1,374.1	1,560.0	1,638.0	1,719.9	1,805.9	1,896.2
		A & C	(2,769.2)	(1,374.1)	(1,500.0)	(1,575.0)	(1,653.8)	(1,736.4)	(1,823.3)
		NET	100.3	0.0	60.0	63.0	66.2	69.5	72.9
3010000	New Mains at Utility Cost	GROSS	4,148.0	1,876.8	1,035.0	1,120.0	441.0	463.0	486.0
		A & C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		NET	4,148.0	1,876.8	1,035.0	1,120.0	441.0	463.0	486.0
4010000	Replacement Mains at Utility Cost	GROSS	9,661.3	12,614.9	4,141.4	24,160.2	17,424.9	17,033.9	25,789.4
		A & C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		NET	9,661.3	12,614.9	4,141.4	24,160.2	17,424.9	17,033.9	25,789.4
5010000	Relocation Projects	GROSS	0.0	0.0	250.0	105.0	110.3	115.8	121.6
		A & C	0.0	0.0	(250.0)	0.0	0.0	0.0	0.0
		NET	0.0	0.0	0.0	105.0	110.3	115.8	121.6
6010000	Wastewater Pumping Facilities	GROSS	368.3	27.1	256.2	2,569.9	8,379.0	9,058.4	121.6
		A & C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		NET	368.3	27.1	256.2	2,569.9	8,379.0	9,058.4	121.6
7010000	Wastewater Treatment Facilities	GROSS	34,122.1	62,770.6	48,052.5	7,015.9	4,969.4	5,147.5	6,012.7
		A & C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		NET	34,122.1	62,770.6	48,052.5	7,015.9	4,969.4	5,147.5	6,012.7
8010000	Transportation Equipment	GROSS	845.8	880.2	1,016.5	1,163.4	1,659.3	1,041.9	1,637.3
		A & C	0.0	(33.0)	(100.5)	0.0	0.0	0.0	0.0
		NET	845.8	847.2	916.0	1,163.4	1,659.3	1,041.9	1,637.3
9010000	General Plant	GROSS	1,107.9	587.1	354.0	657.8	626.2	802.6	607.8
		A & C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		NET	1,107.9	587.1	354.0	657.8	626.2	802.6	607.8
TOTALS	Gross Expenditures Advances & Contributions Net Expenditures		53,122.9	80,130.8	56,670.6	38,435.5	35,335.5	35,474.8	36,678.6
			(2,769.2)	(1,407.1)	(1,850.5)	(1,575.0)	(1,653.8)	(1,736.4)	(1,823.3)
			50,353.7	78,723.7	54,820.1	36,860.5	33,681.8	33,738.3	34,855.4

# Little Rock Wastewater 5-yr Capital Strategic Plan Projects 2010-2014

DESCRIPTION	2010	2011	2012	2013	2014	5-yr Total
COLLECTION SYSTEM/OMP PROJECTS	\$4,146,345	\$24,165,483	\$17,430,447	\$17,039,671	\$25,795,440	\$88,577,386
UNSEWERED AREAS/ NEW MAINS	\$1,094,861	\$1,183,350	\$507,150	\$532,508	\$559,133	\$3,877,002
RELOCATIONS / RELAYS	\$250,000	\$105,000	\$110,250	\$115,763	\$121,551	\$702,564
CANTRELL ROAD PS TO 40 MGD	\$0	\$2,569,875	\$8,379,000	\$8,797,950	\$0	\$19,746,825
LITTLE MAUMELLE TREATMENT FACILITY	\$23,621,226	\$0	\$0	\$0	\$0	\$23,621,226
PEAK FLOW ATTENUATION FACILITIES (INCLUDING ASPS & REDUNDANT FM)	\$7,245,818	\$53,000	\$67,000	\$0	\$0	\$7,365,818
FOURCHE CREEK TREATMENT FACILITY HYDRAULIC UPGRADES	\$16,538,452	\$6,762,404	\$0	\$0	\$0	\$23,300,856
FOURCHE CREEK TP PROCESS IMPR	\$0	\$0	\$4,902,419	\$5,147,540	\$6,012,670	\$16,062,629
OTHER PUMPING / TREATMENT FACILITIES	\$903,200	\$200,500	\$0	\$260,466	\$121,551	\$1,485,717
TRANSPORTATION/GENERAL FACILITY	\$1,370,469	\$1,821,210	\$2,285,489	\$1,844,449	\$2,245,042	\$9,566,659
<b>TOTALS</b>	<b>\$55,170,371</b>	<b>\$36,860,822</b>	<b>\$33,681,755</b>	<b>\$33,738,347</b>	<b>\$34,855,387</b>	<b>\$194,306,682</b>



- COLLECTION SYSTEM OMP PROJECTS**
1. COMP DISTRICT 119 COLLECTOR
  2. COMP MIDDLE/LOWER COLEMAN
  3. COMP NATURAL RESOURCES DRIVE
  4. COMP UPPER HINSON
  5. COMP JIMMERSON EAST
  6. 2011 ECHO VALLEY
  7. 2011 PLEASANT VALLEY
  8. CURRENT ALLSOP
  9. 2011 COUNTRY CLUB
  10. 2012 LOWER SWAGGERTY
  11. 2012 LEAWOOD
  12. CURRENT BARTON
  13. 2013 GRANITE MOUNTAIN
  14. 2013 SUBBASIN 30100
  15. 2013 ROCK CREEK INTERCEPTOR
  16. 2013 72" INT TO PEAK FLOW FACILITY
  17. COMP ROSE CREEK CENTRAL
  18. 2013 JIMMERSON WEST
  19. 2012 MEADOWCLIFF
  20. 2012 QUAPAW SOUTH
  21. 2012 LONGFELLOW

