

**SUMMARY OF THE 2004-2009
UTILITIES CAPITAL IMPROVEMENT PROGRAM**
June 17, 2003

Overview

The overall program and funding priorities are reflected in the staging and timing of projects over the 6 year CIP time period. The following primary factors were considered in determining the overall program and funding priorities:

Water Utility

1. Reliability of water treatment and delivery
2. Drinking water quality and other environmental regulations
3. Worker health and safety
4. Opportunity to collaborate with other city projects, i.e., transportation
5. Potential for operation and maintenance cost savings
6. Accommodating new growth and development

Wastewater Utility

1. Reliability of wastewater collection and treatment
2. Water quality and other environmental regulations
3. Worker health and safety
4. Opportunity to collaborate with other city projects, i.e., transportation
5. Potential for operation and maintenance cost savings
6. Accommodating new growth and development

Flood Control Utility

1. Property damage or safety hazard mitigation
2. Water quality and other environmental regulations
3. Worker health and safety
4. Opportunity to collaborate with other city projects, i.e., transportation
5. Potential for operation and maintenance cost savings
6. Accommodating new growth and development

No effort has been made in developing the CIP to target improvements in a certain geographic area.

Policy Issues

There are no policy issues related to the CIP this year.

Highlights

Highlights of the proposed CIP are as follows:

General

1. Money has been budgeted in all three utility funds for the replacement of the City's utility billing computer system. The replacement of the system was accelerated due to Council discussions regarding the need to revise utility rates to respond to drought conditions and the system's ability to accommodate such changes.

Water Utility

1. Continued emphasis on the rehabilitation and improvement of the City's existing water system infrastructure continues, especially in the area of the City's deteriorated water distribution system. This is reflected in funding for the Corroded Waterline Rehabilitation project.
2. Significant repairs to the Barker water system, acquired by the City from Xcel Energy in 2001, are needed. Repairs to this water system are necessary to assure safe and reliable water deliveries to the Betasso Water Treatment Plant (WTP).
3. Additional money has been budgeted for rehabilitation work at the Betasso and Boulder Reservoir WTPs. Some of the proposed work at the Boulder Reservoir WTP was prompted by staff review of the City's water delivery system in light of recent drought conditions. It is anticipated that water from the Northern Colorado Water Conservancy District (Colorado Big-Thompson project) will play an increasingly important role in the City's overall water system deliveries. This water is treated and delivered through the Boulder Reservoir WTP.

Wastewater Utility

1. The State of Colorado recently issued a new discharge permit for the City's WWTP. An ammonia Total Maximum Daily Load (TMDL) evaluation is being developed for the Boulder Creek, Coal Creek, Saint Vrain Creek basin area. Prior to the EPA approval of the TMDL, permit limits equal to those included in the previous permit have been included in the permit. The TMDL for ammonia is scheduled to become final during the term of the renewed permit. Because the current Boulder WWTP is not capable of meeting the ammonia limits for the facility which are listed in the draft TMDL, the permit will be reopened and 1) an amendment will be incorporated requiring the facility be upgraded to meet the final TMDL limits, and 2) the final TMDL limits will be incorporated into the permit with an effective date prior to the expiration of the permit. Therefore, the CIP anticipates the TMDL limits as well as a potential conversion from chlorine disinfection to ultraviolet light disinfection and construction funding is budgeted in 2004.
2. Construction funding for anticipated improvements to the biosolids handling and dewatering process and for a biosolids composting facility has been budgeted in 2004.

3. Funding for sewer rehabilitation has been increased in accordance with recommendations of the recently updated wastewater collection system master plan.

Flood Control Utility

1. Money is budgeted for flood mitigation work along Fourmile Canyon Creek. The money will be used for on-going study, property acquisition and limited construction projects until decisions are reached through the on-going flood mitigation planning process.
2. The evaluation and planning effort for South Boulder Creek is continuing. Proposals for the hydrology and hydraulics study have been submitted to the city and are being reviewed. Conclusions regarding the appropriate flood mitigation have not been reached. Therefore, a relatively small amount of city funding (\$3.0 million) has been included in the CIP for the year 2005. Additional funds for this project would require reprioritization of other capital improvement projects, a higher rate increase in 2004 or beyond, or both.

Projects Recommended for the CEAP Process

Projects recommended for the Community and Environmental Assessment Process (CEAP) in the year 2004 are:

- WWTP/CPDES Improvements
- Biosolids Composting
- Biosolids Handling and Dewatering
- Fourmile Canyon Creek Improvements

Projects for which Specific Approval is Requested

In accordance with the project planning and approval process, specific approval and allocation of design and construction funding for the following projects is requested. These projects are considered minor in nature, with the opportunity for public review and comment provided through the 2004 CIP budget process. Based on this approval, staff will proceed with the design and construction of these projects in 2004 with no additional public process for purpose, need or funding, although construction coordination and other site specific activities will be discussed with adjacent property owners if appropriate.

WATER FUND

- Orodell Hydro/PRV Station Rehabilitation
- Betasso WTP Rehabilitation/Improvements
- Boulder Reservoir WTP Rehabilitation/Improvements
- Boulder Reservoir WTP Improvements/Expansion
- Zone Isolation Valve Removal
- Corroded Waterline Rehabilitation

- Barker Gravity Pipeline Repair
- Barker-Kossler Penstock Repair
- Barker Relicensing
- Green Lake 2 Reconstruction
- Boulder Feeder Canal Rehabilitation
- Distribution System Water Quality Improvements
- Utility Billing Computer System Replacement

WASTEWATER FUND

- WWTP Pump Rehabilitation
- WWTP Primary Clarifier Rehabilitation
- Collection System Monitoring
- Utility Billing Computer System Replacement
- Sewer Rehabilitation
- Manhole Rehabilitation

FLOOD MANAGEMENT FUND

- South Boulder Creek Improvements
- Preflood Acquisition
- Utility Billing Computer System Replacement
- Transportation Coordination

Master Planning

Master Planning is an element of the decision making process for proposed CIP projects. Historically, these master plans focused on service area growth and its impact on related utility infrastructure needs. At this point in time, growth is not as important an issue as the need to rehabilitate and address deficiencies in the existing infrastructure. Identification of these issues occurs on an on-going basis and is documented in the Utilities Division Annual Reports as well as on-going studies and reports.

Master plan summaries are provided in the Boulder Valley Comprehensive Plan and were recently updated. At this point in time existing master plans provide an adequate basis from which to formulate the CIP in conjunction with other information. The Treated Water Master Plan and Wastewater Collection System were recently updated. Updates to the Wastewater Treatment and Stormwater and Flood Management master plans are currently being developed.

The relationship of each CIP project to the master plans and studies is presented in the detailed project descriptions.

It may be necessary to revise current master plans depending on the extent of changes to the Boulder Valley Comprehensive Plan including land use designations. For this reason, anticipated projects in the years 2005-2009 are preliminary and are based on the judgement of Utilities Division staff.

Financing

Funding for the City's Utilities capital improvement projects is derived from general utility fees. In addition to the monthly utility fees, the primary revenue sources are Plant Investment Fees (PIFs) from new customers, monthly water sales to customers and hydroelectric sales to Xcel Energy. Water sales are relatively stable and reflect the overall growth of the service area and yearly weather fluctuations.

Other revenue sources include the Urban Drainage & Flood Control District reimbursement grants for the Flood Control Utility; and the Colorado Department of Public Health and the Environment construction revolving loans (none anticipated at this time) for the Wastewater Utility. These revenues are project specific and are highly variable depending on the external agency's funding situation and priorities. Currently, the following projects are anticipated to qualify for such revenues:

- Flood Control Utility, Fourmile Canyon Creek
- Flood Control Utility, Preflood Acquisition

Another possible source of funds is special assessment districts and assessments levied as part of annexation agreements. These types of funding mechanisms are anticipated for the Water and Wastewater System Expansion projects.

If the above mentioned funds are insufficient, projects will be funded from new revenue bond issues with debt service financed by general utility charges. For the year 2004-2009 CIP, it is anticipated that bonds will be issued for the following projects:

- Water Utility – Betasso WTP Rehabilitation/Improvements
- Water Utility – Boulder Reservoir WTP Improvements/Expansion
- Wastewater Utility - WWTP/CPDES Improvements
- Wastewater Utility - Biosolids Composting
- Wastewater Utility - Biosolids Handling & Dewatering
- Flood Control Utility – South Boulder Creek

Also, it is anticipated that projects related to the Barker Water System will continue to be funded from the proceeds of the Windy Gap water sale.

Staff will complete the evaluation of the proposed CIP on rates in conjunction with the development of the 2004 operating budget. Rate increases are currently projected as follows:

- Water Utility: 2004 – 0 percent
- Wastewater Utility: 2004 – 6 percent
- Flood Control: 2004 – 3 percent

Public Process

The CIP was discussed at the Water Resource Advisory Board (WRAB) on May 19, 2002. A public hearing before the WRAB concerning the CIP was held on June 16, 2002. The WRAB recommended approval of the proposed Utilities Division 2004 budget and 2004-2009 Capital Improvement Program (CIP) by a unanimous vote.

Connectivity Fund Projects

Partnership Projects:

- **BRAN Project** – The University of Colorado at Boulder, the National Center for Atmospheric Research, the Department of Commerce Laboratories, and the City of Boulder joined together and built this important 11 mile fiber optic network for \$1.6M. BRAN provides a significant, local, next-generation, fiber optic infrastructure that gives the public service institutions in Boulder, Colorado a competitive advantage in research, higher education, and administrative functions. The city’s contribution to BRAN was an existing conduit infrastructure along 36% of the BRAN route. Connectivity funds helped install portions of this conduit prior to the BRAN project.
- **Downtown Fiber Network** – In conjunction with Office Partners, Inc, we installed a \$140k fiber network in the downtown area. The majority of the project was funded by Office Partners, with a small portion funded from Connectivity Funds. The city retains ownership of the network and signed a 20 year lease with Office Partners for use of the fiber. This lease generates approximately \$6,500 in revenue to the connectivity fund for the first 3 years, and approximately \$2,600 per year thereafter. This project is Phase 1 of a larger fiber network build out in the downtown area to help improve the high speed telecommunications infrastructure and improve the marketability of the downtown retail and commercial office space.
- **Boulder County Fiber Lease** – To continue to develop and improve our relationship with Boulder County, we negotiated a 20 year fiber lease to Boulder County for use of key routes on our fiber network. Besides annual revenue into Connectivity Fund of nearly \$5,000 per year, this project has encouraged more collaboration with the County. Recent examples include sharing our internet connection and joining our GIS repositories and resources.

Network Expansion Projects:

These projects have focused on expanding the city’s fiber network and connecting city facilities onto the network. They have been jointly funded between city departments and the Connectivity Fund:

- Carnegie Library
- Cherryvale
- CYF on Spruce Street
- East Boulder Community Center
- Fire Station 7
- George Reynolds Branch Library
- Golf Maintenance Building
- Golf Pro Shop
- Iris Center/NBRC
- Justice Center
- Maintenance Building at Forsberg
- Meadows Branch Library
- Pearl St Parking Structure
- Public Safety Building
- Spruce Parking Structure, P&DS GIS staff
- Traffic Signal Controller at 63rd/Lookout

Disaster prevention & network reliability projects:

These projects focused on providing redundancy or fiber “loops” into our network. In the case of a cut or fiber break, fiber loops allow data traffic to automatically be rerouted around the break with no interruption in service.

Municipal Building to Atrium - interconnected the Muni Building with the BRAN network to provide a redundant route to the fiber network.

Conduit along Table Mesa Drive/South Boulder Road – We took advantage of the recent road reconstruction project and install conduit. Though this project did not complete a network loop, it moved us closer to the 55th Street/South Boulder Road fiber, for a future southern loop in our network.

List of future projects planned to be partially funded with the Connectivity Fund:

Disaster prevention & network reliability projects:

Alternate fiber cable entry into Yards data center – The Yards Data Center supports all major city IT services and applications. Currently, a single bundle of fiber connects this data center to the network. If there is a break or cut of this fiber, all enterprise applications would be down for an extended period of time for repair work.

Southern fiber loop – Install the conduit and fiber installation along South Boulder Road to complete a southern loop of our fiber network. This would provide a redundant network path for sites including, in part, Fire Station 7, Open Space Cherryvale, East Boulder Community Center, and Meadows Branch Library.

Broadway fiber installation – PW Utilities and IT have jointly funded installation of conduit along the Broadway reconstruction route. Installation of fiber cable along this route will provide a western loop of our fiber network, thus drastically improving the redundancy of our fiber network in case of a break or cut elsewhere in the network. This also provides an opportunity to extend the fiber network to Fire Station 1.

Central campus loop – Fiber from Broadway will be connected to the Park Central and New Britain Buildings to provide an alternate fiber route from the Municipal Building.

Network Expansion Projects:

Comcast (AT&T) Fiber – The city is currently negotiating use of fiber along east Arapahoe, 75th north to Jay Road, east on Jay Road to Violet Ave, and south on Broadway. This will provide a northern loop in our network in addition to providing a cost effective method to connect 75th and the Open Space Annex onto our high speed fiber network. Connectivity funds will be needed to fund this project.

Fiber to 75th waste water treatment plant – Fiber connection to the city network will eliminate reliance on slow Qwest leased circuit, eliminate monthly recurring fees, and improve the speed and reliability of the facility’s network connection. Redundant equipment, servers and applications located at 75th would be consolidated onto the enterprise systems, therefore reducing maintenance, support services, vendor licensing fees and IT staff time. This project is contingent on the successful negotiation of the city’s use of Comcast fiber along 75th.

Fiber to Open Space Annex (Forsberg) – same project justification as 75th waste water treatment plant. Also relies on successful fiber use negotiations with Comcast.

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

Water Utility Fund

12-Dec-03

	\$ Prior to 2004	2004 Approved	2005 Projected	2006 Projected	2007 Projected	2008 Projected	2009 Projected
Existing Facility - Enhancements / Upgrades							
Sunshine Hydro/PRV Station Rehabilitation	0	0	0	0	50,000	0	0
Orodel Hydro/PRV Station Rehabilitation	0	75,000	0	0	0	0	0
Utility Billing Computer System Replacement	22890	700,000	0	0	0	0	0
Pearl Street Hydro PRV Station Improvements	0	0	0	0	0	0	200,000
Data Communications System Upgrades	0	0	250,000	0	0	0	0
Boulder Reservoir WTP Rehabilitation/Improvements	4320499	1,000,000	0	0	0	0	0
Existing Facility - Enhancements / Upgrades	Total: 4,343,389	1,775,000	250,000	0	50,000	0	200,000
Existing Facility - Rehab / Repair / Deficiency Correction							
Distribution System Water Quality Improvements	50000	50,000	350,000	0	0	0	0
Barker Relicensing	0	800,000	700,000	0	0	0	0
Barker Source Water Protection	0	0	0	250,000	0	0	0
Kohler Storage Tank Rehabilitation	500000	0	0	100,000	0	0	0
Chautauqua Storage Tank Rehabilitation	0	0	0	200,000	0	500,000	0
Albion Dam Rehabilitation	0	0	0	25,000	100,000	0	0
Barker Gravity Pipeline Repair	2723859	1,000,000	500,000	1,500,000	0	0	0
Barker-Kossler Penstock Repairs	0	200,000	800,000	0	0	0	0
Maxwell Storage Tank Rehabilitation	600000	0	0	100,000	0	0	500,000
Betasso WTP Rehabilitation/Improvements	724688	200,000	500,000	5,000,000	0	0	0
Corroded Waterline Rehabilitation	4855636	2,000,000	2,250,000	2,500,000	2,500,000	2,500,000	2,500,000
Lakewood Reservoir Dam Rehabilitation	0	0	0	0	25,000	250,000	0
Zone Isolation Valve Removal	0	400,000	0	0	0	0	0
Barker Dam Resurfacing	0	0	100,000	1,000,000	0	0	0

	\$ Prior to 2004	2004 Approved	2005 Projected	2006 Projected	2007 Projected	2008 Projected	2009 Projected
Cherryvale Pump Station	225000	0	0	0	0	0	500,000
Betasso Hydro/PRV Rehabilitation	0	0	250,000	0	0	0	0
Existing Facility - Rehab / Repair / Deficiency Correction	Total: 9,679,183	4,650,000	5,450,000	10,675,000	2,625,000	3,250,000	3,500,000
New Construction - Growth Related Facility / Additions							
Boulder Reservoir WTP Expansion/Improvements	0	50,000	1,000,000	6,300,000	0	2,000,000	12,000,000
New Construction - Growth Related Facility / Additions	Total: 0	50,000	1,000,000	6,300,000	0	2,000,000	12,000,000
New Construction - Not Growth Related							
Zone 2 Transmission Facilities	1050000	0	0	0	500,000	0	0
Zone 3 Transmission Facilities	0	0	0	0	0	500,000	0
Zone 1 Transmission Facilities	1050000	0	0	0	0	0	2,000,000
New Construction - Not Growth Related	Total: 2,100,000	0	0	0	500,000	500,000	2,000,000
Reconstruction							
Boulder Feeder Canal	250000	200,000	0	0	0	0	0
Green Lake II Rehabilitation	200000	200,000	800,000	0	0	0	0
Reconstruction	Total: 450,000	400,000	800,000	0	0	0	0
Grand Total:	16,572,572	6,875,000	7,500,000	16,975,000	3,175,000	5,750,000	17,700,000

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Orodel Hydro/PRV Station Rehabilitation

Project Number:

Map ID NUM:

DEPARTMENT:

PW/ Water Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Water Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Existing Facility - Enhancements / Upgrades

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project provides funds for the rehabilitation of the City's existing Orodel Hydro / pressure reducing valve (PRV) Station.

Relationship to Master Plan:

None

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for undertaking the relicensing process.

Relationship to Council Goals:

Relationship with Other Departments:

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
0	75,000	0	0	0	0	0	0	75,000

TOTAL CAPITAL COSTS:

75,000

1st Year of Funding:

2004

2003 Approved funds:

\$0

Changes from past CIP:

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Utility Billing Computer System Replacement

Project Number:

411453

Map ID NUM:

DEPARTMENT:

PW/ Water Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Water Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Existing Facility - Enhancements / Upgrades

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project will provide funds for replacement of the City's utility billing system. This project is jointly funded by the stormwater and flood management utility, the water utility and the wastewater utility.

Relationship to Master Plan:

None

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for construction.

Relationship to Council Goals:

Relationship with Other Departments:

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
22,890	700,000	0	0	0	0	0	0	722,890

TOTAL CAPITAL COSTS:

700,000

1st Year of Funding:

2004

2003 Approved funds:

\$22,890

Changes from past CIP:

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Boulder Reservoir WTP Rehabilitation/Improvements

Project Number:

411652

Map ID NUM:

70

DEPARTMENT: PW/ Water Utility

SUBCOMMUNITY:

Area III

FUNDING SOURCE: Water Utility Fund

BVCP Area

Area III

PROJECT STATUS: Existing Facility - Enhancements / Upgrades

CEAP REQUIRED? Not Required

CEAP Completed: No

PROJECT DESCRIPTION:

This project will provide for rehabilitations and improvements to the Boulder Reservoir WTP in order to provide safe working conditions, to improve the reliability of treatment for public health, to comply with new safe drinking water regulations and to extend the life of the WTP.

Relationship to Master Plan:

This project is recommended by the Treated Water Master Plan

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for construction.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
Approved Funding:								
4,320,499	1,000,000	0	0	0	0	0	0	5,320,499

TOTAL CAPITAL COSTS:

5,320,499

1st Year of Funding:

2002

2003 Approved funds:

\$3,736,711

Changes from past CIP:

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Distribution System Water Quality Improvements

Project Number:

Map ID NUM:

DEPARTMENT:

PW/ Water Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Water Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Existing Facility - Rehab / Repair / Deficiency Correction

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project provides funds for water quality related improvements to the distribution system including chlorine residual monitoring and maintenance

Relationship to Master Plan:

This project was recommended by the Treated Water Master Plan.

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for construction.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

This project was recommended by the Treated Water Master Plan

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
50,000	50,000	350,000	0	0	0	0	0	450,000

TOTAL CAPITAL COSTS:

450,000

1st Year of Funding:

2003

2003 Approved funds:

\$50,000

Changes from past CIP:

Project has been added based on recent water quality studies.

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Barker Relicensing

Project Number:

411112

Map ID NUM:

DEPARTMENT:

PW/ Water Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Water Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Existing Facility - Rehab / Repair / Deficiency Correction

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project will fund the Federal Energy Regulatory Commission re-licensing process for the existing Barker-Kosler pressure pipeline, recently purchased by the City from Public Service Company of Colorado.

Relationship to Master Plan:

None

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for undertaking the relicensing process.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
0	800,000	700,000	0	0	0	0	0	1,500,000

TOTAL CAPITAL COSTS:

3,050,000

1st Year of Funding:

2004

2003 Approved funds:

\$0

Changes from past CIP:

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Barker Gravity Pipeline Repair

Project Number:

411106

Map ID NUM:

DEPARTMENT:

PW/ Water Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Water Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Existing Facility - Rehab / Repair / Deficiency Correction

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project will fund repairs to the existing Barker gravity pipeline, recently purchased by the City from Public Service Company of Colorado.

Relationship to Master Plan:

None

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for repair work to proceed.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
Approved Funding:								
2,723,859	1,000,000	500,000	1,500,000	0	0	0	0	5,723,859

TOTAL CAPITAL COSTS:

5,723,859

1st Year of Funding:

2001

2003 Approved funds:

\$1,326,002

Changes from past CIP:

Funding allocated has changed based on recent studies.

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Barker-Kossler Penstock Repairs

Project Number:

Map ID NUM:

DEPARTMENT:

PW/ Water Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Water Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Existing Facility - Rehab / Repair / Deficiency Correction

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project will fund repairs to the existing Barker-Kosler pressure pipeline, recently purchased by the City from Public Service Company of Colorado.

Relationship to Master Plan:

None

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for construction.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
0	200,000	800,000	0	0	0	0	0	1,000,000

TOTAL CAPITAL COSTS:

1,000,000

1st Year of Funding:

2004

2003 Approved funds:

\$0

Changes from past CIP:

Funding allocated has changed based on recent studies.

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Betasso WTP Rehabilitation/Improvements

Project Number:

411947

Map ID NUM:

71

DEPARTMENT:

PW/ Water Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Water Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Existing Facility - Rehab / Repair / Deficiency Correction

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project will fund rehabilitations and improvements to the Betasso WTP in order to provide safe working conditions, to improve the reliability of water treatment for public health, to comply with new safe drinking water act regulations and to extend the life of the WTP.

Relationship to Master Plan:

This project was recommended by the Treated Water Master Plan

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for construction.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
Approved Funding:								
724,688	200,000	500,000	5,000,000	0	0	0	0	6,424,688

TOTAL CAPITAL COSTS:

6,424,688

1st Year of Funding:

2002

2003 Approved funds:

\$271,927

Changes from past CIP:

Increased for additional repair work.

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Corroded Waterline Rehabilitation

Project Number:

411389

Map ID NUM:

DEPARTMENT:

PW/ Water Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Water Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Existing Facility - Rehab / Repair / Deficiency Correction

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project provides funds for the reconstruction of corroded waterlines that are part of the City's water distribution system.

Relationship to Master Plan:

This project was recommended by the Treated Water Master Plan.

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for construction.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
Approved Funding:								
4,855,636	2,000,000	2,250,000	2,500,000	2,500,000	2,500,000	2,500,000	0	19,105,636

TOTAL CAPITAL COSTS:

On-Going

1st Year of Funding:

2001

2003 Approved funds:

\$1,948,951

Changes from past CIP:

Increased for additional repair work.

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Zone Isolation Valve Removal

Project Number:

Map ID NUM:

DEPARTMENT:

PW/ Water Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Water Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Existing Facility - Rehab / Repair / Deficiency Correction

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project provides funds for the removal of zone isolation valves.

Relationship to Master Plan:

This project was recommended by the Treated Water Master Plan.

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for design of the improvements.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
0	400,000	0	0	0	0	0	0	400,000

TOTAL CAPITAL COSTS:

400,000

1st Year of Funding:

2004

2003 Approved funds:

\$0

Changes from past CIP:

Added based on recent water quality studies.

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Boulder Reservoir WTP Expansion/Improvements

Project Number:

411654

Map ID NUM:

68

DEPARTMENT: PW/ Water Utility

SUBCOMMUNITY:

Area III

FUNDING SOURCE: Water Utility Fund

BVCP Area

Area III

PROJECT STATUS: New Construction - Growth Related Facility / Additions

CEAP REQUIRED? Not Required

CEAP Completed: No

PROJECT DESCRIPTION:

This project will provide for expansion and improvements to the Boulder Reservoir WTP in order to comply with more stringent safe drinking water regulations. These improvements are identified in a recent report by MWH Engineers.

Relationship to Master Plan:

This project is recommended by the Treated Water Master Plan

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for additional planning only.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
Approved Funding:								
0	50,000	1,000,000	6,300,000	0	2,000,000	12,000,000	0	21,350,000

TOTAL CAPITAL COSTS:

21,350,000

1st Year of Funding:

2004

2003 Approved funds:

\$0

Changes from past CIP: Accelerated because of its higher priority.

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Boulder Feeder Canal

Project Number:

411546

Map ID NUM:

90

DEPARTMENT: PW/ Water Utility

SUBCOMMUNITY:

Area III

FUNDING SOURCE: Water Utility Fund

BVCP Area

Area III

PROJECT STATUS: Reconstruction

CEAP REQUIRED? Not Required

CEAP Completed: No

PROJECT DESCRIPTION:

This project provides funds for water quality protection improvements related to the Boulder Feeder Canal. These improvements include best management practices for water quality as identified in a recent report by Black & Veatch.

Relationship to Master Plan:

None

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for construction.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
250,000	200,000	0	0	0	0	0	0	450,000

TOTAL CAPITAL COSTS:

450,000

1st Year of Funding:

2002

2003 Approved funds:

\$211,983

Changes from past CIP:

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Green Lake II Rehabilitation

Project Number:

411627

Map ID NUM:

DEPARTMENT:

PW/ Water Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Water Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Reconstruction

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project provides for the reconstruction of Green Lake II located in the City of Boulder's watershed. The dam suffered serious damage several years ago and since that time the City has maintained a lower water level in the reservoir.

Relationship to Master Plan:

None

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for design of the improvements.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
200,000	200,000	800,000	0	0	0	0	0	1,200,000

TOTAL CAPITAL COSTS:

1,200,000

1st Year of Funding:

2001

2003 Approved funds:

\$174,045

Changes from past CIP:

Funding allocated has increased based on cost estimates.

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

Wastewater Utility Fund

15-Dec-03

	\$ Prior to 2004	2004 Approved	2005 Projected	2006 Projected	2007 Projected	2008 Projected	2009 Projected
Existing Facility - Enhancements / Upgrades							
WWTP Electrical Improvements	0	0	0	0	0	250,000	0
Utility Billing Computer System Replacement	26595	700,000	0	0	0	0	0
WWTP Instrumentation/Control Improvements	0	0	0	100,000	0	0	0
Existing Facility - Enhancements / Upgrades	Total: 26,595	700,000	0	100,000	0	250,000	0
Existing Facility - Rehab / Repair / Deficiency Correction							
WWTP Headworks Improvements	102108	0	0	0	100,000	0	0
Sewer Rehabilitation	553975	550,000	550,000	550,000	550,000	550,000	550,000
Manhole Rehabilitation	200000	100,000	100,000	100,000	100,000	100,000	100,000
WWTP Solids Contact Improvements	100000	0	0	0	150,000	0	0
WWTP Pump Rehabilitation	0	55,000	55,000	0	0	60,000	60,000
WWTP Digester Cleaning and Rehabilitation	0	0	375,000	0	0	0	0
WWTP Primary Clarifier Rehabilitation	0	200,000	0	0	0	0	0
Collection System Monitoring	0	100,000	100,000	0	0	0	200,000
WWTP Cogeneration Rehab	0	0	180,000	0	0	0	0
Marshall Landfill Decommissioning	0	0	0	0	0	0	100,000
WWTP Secondary Clarifier Rehabilitation	150000	0	0	0	0	0	150,000
Existing Facility - Rehab / Repair / Deficiency Correction	Total: 1,106,083	1,005,000	1,360,000	650,000	900,000	710,000	1,160,000
New Construction - Not Growth Related							
Biosolids Composting	1000000	10,000,000	0	0	0	0	0
WWTP/CPDES Improvements	2241736	11,000,000	0	0	0	0	0

	\$ Prior to 2004	2004 Approved	2005 Projected	2006 Projected	2007 Projected	2008 Projected	2009 Projected
New Construction - Not Growth Related	Total: 3,241,736	21,000,000	0	0	0	0	0
Reconstruction							
Biosolids Handling & Dewatering	500000	7,000,000	0	0	0	0	0
Reconstruction	Total: 500,000	7,000,000	0	0	0	0	0
Grand Total:	4,874,414	29,705,000	1,360,000	750,000	900,000	960,000	1,160,000

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Utility Billing Computer System Replacement

Project Number:

421453

Map ID NUM:

DEPARTMENT:

PW/ Wastewater Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Wastewater Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Existing Facility - Enhancements / Upgrades

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project will provide funds for replacement of the City's utility billing system. This project is jointly funded by the stormwater and flood management utility, the water utility and the wastewater utility.

Relationship to Master Plan:

None

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for construction.

Relationship to Council Goals:

Relationship with Other Departments:

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
26,595	700,000	0	0	0	0	0	0	726,595

TOTAL CAPITAL COSTS:

700,000

1st Year of Funding:

2004

2003 Approved funds:

\$26,595

Changes from past CIP:

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Sewer Rehabilitation

Project Number:

421002

Map ID NUM:

DEPARTMENT:

PW/ Wastewater Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Wastewater Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Existing Facility - Rehab / Repair / Deficiency Correction

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project provides for the rehabilitation and improvement to the existing collector sewer piping of the City's wastewater collection system.

Relationship to Master Plan:

None

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for construction.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
Approved Funding:								
553,975	550,000	550,000	550,000	550,000	550,000	550,000	0	3,853,975

TOTAL CAPITAL COSTS:

On-Going

1st Year of Funding:

On-going

2003 Approved funds:

\$300,000

Changes from past CIP:

Funding has been increased for additional repair work.

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Manhole Rehabilitation

Project Number:

421454

Map ID NUM:

DEPARTMENT:

PW/ Wastewater Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Wastewater Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Existing Facility - Rehab / Repair / Deficiency Correction

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project provides for the rehabilitation and improvement to the existing collector sewer piping of the City's wastewater manholes.

Relationship to Master Plan:

None

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for construction.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
200,000	100,000	100,000	100,000	100,000	100,000	100,000	0	800,000

TOTAL CAPITAL COSTS:

On-Going

1st Year of Funding:

On-going

2003 Approved funds:

\$100,000

Changes from past CIP:

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

WWTP Pump Rehabilitation

Project Number:

411339

Map ID NUM:

36

DEPARTMENT: PW/ Wastewater Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE: Wastewater Utility Fund

BVCP Area

System-wide

PROJECT STATUS: Existing Facility - Rehab / Repair / Deficiency Correction

CEAP REQUIRED? Not Required

CEAP Completed: No

PROJECT DESCRIPTION:

This project will fund the rehabilitation of the existing pumps at the 75th Street WWTP.

Relationship to Master Plan:

None

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for construction.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
Approved Funding:								
0	55,000	55,000	0	0	60,000	60,000	0	230,000

TOTAL CAPITAL COSTS:

230,000

1st Year of Funding:

2004

2003 Approved funds:

\$0

Changes from past CIP: Increased for additional repair work.

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

WWTP Primary Clarifier Rehabilitation

Project Number:

Map ID NUM:

39

DEPARTMENT: PW/ Wastewater Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE: Wastewater Utility Fund

BVCP Area

System-wide

PROJECT STATUS: Existing Facility - Rehab / Repair / Deficiency Correction

CEAP REQUIRED? Not Required

CEAP Completed: No

PROJECT DESCRIPTION:

This project provides for improvements to the primary clarifiers at the 75th Street WWTP.

Relationship to Master Plan:

None

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for construction.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
0	200,000	0	0	0	0	0	0	200,000

TOTAL CAPITAL COSTS:

200,000

1st Year of Funding:

2004

2003 Approved funds:

\$0

Changes from past CIP:

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Collection System Monitoring

Project Number:

Map ID NUM:

DEPARTMENT:

PW/ Wastewater Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Wastewater Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Existing Facility - Rehab / Repair / Deficiency Correction

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project provides funds for monitoring of the City's wastewater collection system. This would be accomplished with temporary flow measuring devices placed in selected manholes.

Relationship to Master Plan:

None

Public Process Status, Issues:

This process will be initiated in 2005.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
Approved Funding:								
0	100,000	100,000	0	0	0	200,000	0	400,000

TOTAL CAPITAL COSTS:

400,000

1st Year of Funding:

2004

2003 Approved funds:

\$0

Changes from past CIP:

Project has been added based on recent studies.

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Biosolids Composting

Project Number:

421675

Map ID NUM:

89

DEPARTMENT: PW/ Wastewater Utility

SUBCOMMUNITY:

Area III

FUNDING SOURCE: Wastewater Utility Fund

BVCP Area

Area III

PROJECT STATUS: New Construction - Not Growth Related

CEAP REQUIRED? Required

CEAP Completed: No

PROJECT DESCRIPTION:

This project provides funds for the planning, design and construction of a biosolids composting facility.

Relationship to Master Plan:

None

Public Process Status, Issues:

It is anticipated the CEAP for this project will be completed in 2003.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
1,000,000	10,000,000	0	0	0	0	0	0	11,000,000

TOTAL CAPITAL COSTS:

11,000,000

1st Year of Funding:

2002

2003 Approved funds:

\$989,009

Changes from past CIP:

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

WWTP/CPDES Improvements

Project Number:

421617

Map ID NUM:

73

DEPARTMENT: PW/ Wastewater Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Wastewater Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

New Construction - Not Growth Related

CEAP REQUIRED?

Required

CEAP Completed:

No

PROJECT DESCRIPTION:

The State Department of Health has issued a new CPDES permit for the 75th Street WWTP. The project provides funds for the design and construction of new treatment facilities that will be required. These facilities include addition treatment to remove ammonia and coliform bacteria.

Relationship to Master Plan:

None

Public Process Status, Issues:

The process will be initiated in 2003.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

This project has been delayed because of the status of the CPDES permit.

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
Approved Funding:								
2,241,736	11,000,000	0	0	0	0	0	0	13,241,736

TOTAL CAPITAL COSTS:

13,241,736

1st Year of Funding:

2002

2003 Approved funds:

\$2,163,104

Changes from past CIP:

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Biosolids Handling & Dewatering

Project Number:

421670

Map ID NUM:

41

DEPARTMENT:

PW/ Wastewater Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Wastewater Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Reconstruction

CEAP REQUIRED?

Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project provides funds for rehabilitation and improvements to the biosolids handling and dewatering facilities at the 75th St. WWTP.

Relationship to Master Plan:

None

Public Process Status, Issues:

It is anticipated the CEAP for this project will be completed in 2003.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
500,000	7,000,000	0	0	0	0	0	0	7,500,000

TOTAL CAPITAL COSTS:

7,500,000

1st Year of Funding:

2002

2003 Approved funds:

\$500,000

Changes from past CIP:

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

Stormwater & Flood Management Utility Fun

15-Dec-03

	\$ Prior to 2004	2004 Approved	2005 Projected	2006 Projected	2007 Projected	2008 Projected	2009 Projected
Existing Facility - Enhancements / Upgrades							
Utility Billing Computer System Replacement	25203	350,000	0	0	0	0	0
Existing Facility - Enhancements / Upgrades	Total: 25,203	350,000	0	0	0	0	0
Existing Facility - Rehab / Repair / Deficiency Correction							
Transportation Coordination	150000	250,000	250,000	250,000	250,000	250,000	250,000
Existing Facility - Rehab / Repair / Deficiency Correction	Total: 150,000	250,000	250,000	250,000	250,000	250,000	250,000
New Construction - Not Growth Related							
Upper Goose Creek Drainage Improvements	0	0	0	0	100,000	750,000	0
South Boulder Creek Improvements	350000	150,000	3,100,000	0	0	0	0
Greenways Program	729574	150,000	150,000	150,000	150,000	150,000	150,000
Fourmile Canyon Creek Improvements	600000	500,000	500,000	500,000	500,000	500,000	500,000
Wonderland Creek Flood Mitigation	0	0	0	100,000	250,000	250,000	250,000
Mapleton Hill Drainage	0	0	0	0	0	0	500,000
Preflood Acquisition	650000	385,000	385,000	385,000	500,000	500,000	500,000
Elmer's Two-mile Creek	0	0	500,000	1,000,000	250,000	250,000	500,000
New Construction - Not Growth Related	Total: 2,329,574	1,185,000	4,635,000	2,135,000	1,750,000	2,400,000	2,400,000
Grand Total:	2,504,777	1,785,000	4,885,000	2,385,000	2,000,000	2,650,000	2,650,000

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Utility Billing Computer System Replacement

Project Number:

431453

Map ID NUM:

DEPARTMENT:

PW/ Stormwater and Flood Management Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Stormwater & Flood Management Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Existing Facility - Enhancements / Upgrades

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project will provide funds for replacement of the City's utility billing system. This project is jointly funded by the stormwater and flood management utility, the water utility and the wastewater utility.

Relationship to Master Plan:

None

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for construction.

Relationship to Council Goals:

Relationship with Other Departments:

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
25,203	350,000	0	0	0	0	0	0	375,203

TOTAL CAPITAL COSTS:

700,000

1st Year of Funding:

2004

2003 Approved funds:

\$25,203

Changes from past CIP:

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Transportation Coordination

Project Number:

431780

Map ID NUM:

DEPARTMENT:

PW/ Stormwater and Flood Management Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Stormwater & Flood Management Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

Existing Facility - Rehab / Repair / Deficiency Correction

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project will fund the reconstruction of existing storm sewers, the construction of new storm sewers and water quality improvements as part of on-going Transportation improvement projects

Relationship to Master Plan:

Associated projects were recommended by the Comprehensive Drainage Utility Master Plan.

Public Process Status, Issues:

No additional public process is anticipated and approval of this project in the 2004 CIP will serve as approval for construction.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health and Safety

Relationship with Other Departments:

Coordination with the City's Transportation Division

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
150,000	250,000	250,000	250,000	250,000	250,000	250,000	0	1,650,000

TOTAL CAPITAL COSTS:

1,400,000

1st Year of Funding:

2003

2003 Approved funds:

\$150,000

Changes from past CIP:

Added based on the Transportation Division work program.

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

South Boulder Creek Improvements

Project Number:

431202

Map ID NUM:

30

DEPARTMENT:

PW/ Stormwater and Flood Management Utility

SUBCOMMUNITY:

Southeast Boulder

FUNDING SOURCE:

Stormwater & Flood Management Utility Fund

BVCP Area

Area III

PROJECT STATUS:

New Construction - Not Growth Related

CEAP REQUIRED?

Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project will provide funds on-going studies and possible flood mitigation improvements along South Boulder Creek.

Relationship to Master Plan:

None

Public Process Status, Issues:

Evaluation of South Boulder Creek flood issues and associated public process is on-going.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health and Safety

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
350,000	150,000	3,100,000	0	0	0	0	0	3,600,000

TOTAL CAPITAL COSTS:

3,600,000

1st Year of Funding:

2002

2003 Approved funds:

\$302,468

Changes from past CIP:

Delayed based on delays in the flood mitigation planning.

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Greenways Program

Project Number:

431630

Map ID NUM:

DEPARTMENT:

PW/ Stormwater and Flood Management Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Stormwater & Flood Management Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

New Construction - Not Growth Related

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

The Greenway Program will create a comprehensive greenway corridor system along several drainages. These corridors will serve as storm drainage and flood channels, bicycle and pedestrian transportation systems, open space and wildlife corridors, and recreational areas. This project represents the Utilities Division contribution to the program.

Relationship to Master Plan:

This project was recommended by the Comprehensive Drainage Utility Master Plan, The Transportation Master Plan, and the Greenways Master Plan.

Public Process Status, Issues:

This public process for individual greenways program projects are discussed in the Greenways CIP.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health and Safety

Relationship with Other Departments:

This project relates to the Greenways Program

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
Approved Funding:								
729,574	150,000	150,000	150,000	150,000	150,000	150,000	0	1,629,574

TOTAL CAPITAL COSTS:

On-Going

1st Year of Funding:

On-going

2003 Approved funds:

\$460,139

Changes from past CIP:

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Fourmile Canyon Creek Improvements

Project Number:

431729

Map ID NUM:

56

DEPARTMENT: PW/ Stormwater and Flood Management Utility

SUBCOMMUNITY:

North Boulder

FUNDING SOURCE: Stormwater & Flood Management Utility Fund

BVCP Area

Areas I & II

PROJECT STATUS: New Construction - Not Growth Related

CEAP REQUIRED? Required

CEAP Completed: No

PROJECT DESCRIPTION:

This project will provide funds for property acquisition and limited flood mitigation improvements along Fourmile Canyon Creek.

Relationship to Master Plan:

This project was recommended by the Fourmile Canyon Creek Flood Mitigation Study.

Public Process Status, Issues:

The Fourmile Canyon Creek flood mitigation study is on-going.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health and Safety

Relationship with Other Departments:

This project relates to the City's Greenways Program and Transportation Program

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
Approved Funding:								
600,000	500,000	500,000	500,000	500,000	500,000	500,000	0	3,600,000

TOTAL CAPITAL COSTS:

3,600,000

1st Year of Funding:

2001

2003 Approved funds:

\$525,994

Changes from past CIP: Delayed based on delays in the flood mitigation planning.

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Preflood Acquisition

Project Number:

431622

Map ID NUM:

DEPARTMENT:

PW/ Stormwater and Flood Management Utility

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Stormwater & Flood Management Utility Fund

BVCP Area

System-wide

PROJECT STATUS:

New Construction - Not Growth Related

CEAP REQUIRED?

Not Required

CEAP Completed:

No

PROJECT DESCRIPTION:

This project provides funds for the purchase of properties located in the flood plain and high hazard regulatory areas. Properties have been identified and prioritized along each of the city's major drainageways. Property owners have been contacted regarding the city's interest. The majority of properties in the high hazard flood zone are along Boulder Creek and Goose Creek.

Relationship to Master Plan:

This project was recommended by the Comprehensive Drainage Utility Master Plan.

Public Process Status, Issues:

This process is on-going.

Relationship to Council Goals:

Environmental and Economic Sustainability - Public Health and Safety

Relationship with Other Departments:

None

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
Approved Funding:								
650,000	385,000	385,000	385,000	500,000	500,000	500,000	0	3,305,000

TOTAL CAPITAL COSTS:

On-Going

1st Year of Funding:

On-going

2003 Approved funds:

\$571,386

Changes from past CIP:

Ongoing annual operating costs:

Description: