

capital



Program

Table of Contents

Capital Program Overview-----	21-2
General Fund Capital Projects Descriptions-----	21-4
Enterprise Fund Capital Projects Descriptions-----	21-5
5-Year & 10-Year Project Summaries -----	21-8
General Fund Agency Project Summaries -----	21-10
Utility Project Summaries-----	21-24
Detailed Projects By Departments	
Cultural Services -----	21-32
Fire & Rescue -----	21-33
Parks & Recreation -----	21-36
Public Works -----	21-48
Water & Power-----	21-73

Capital Program Overview

Introduction

The Loveland City Charter requires the City Manager to present, with the budget, a program of proposed capital projects for the ensuing year and four fiscal years thereafter. For planning purposes, staff has expanded this requirement and presents a 10-year program. The 2013-2022 Capital Program is the funding plan for all infrastructure and equipment replacement for both General Fund agencies and the Enterprise Funds. General Fund agency programs focus on transportation (both new construction and rehabilitation of existing streets), new amenities, maintenance of existing facilities, and replacement of major equipment. In the enterprise funds, the focus is on improving delivery systems through major maintenance or expansion of the delivery systems and treatment plants that provide and clean our water.

All projects included in the first year of the Capital Program are included in the 2013 Recommended Budget, which will be adopted in October. Projects included in the “out-years” (2014–2022) will be approved by Council in concept only. The Program will be updated annually to address specific needs as they arise or as Council goals and policies change.

General Fund Agencies

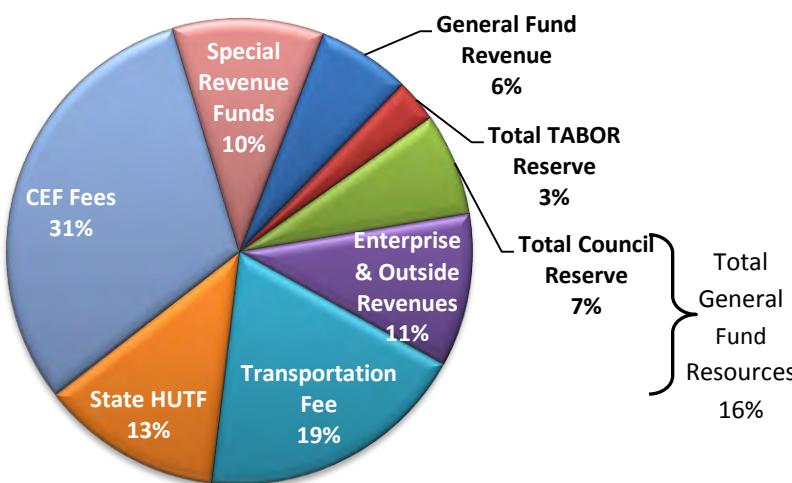
The 2013-2022 Capital Program for General Fund agencies is a financial program for the City to maintain existing facilities and infrastructure and meet the needs for new facilities and infrastructure. These projects are funded through taxes, impact fees, or other special revenues. Capital projects for the purpose of the Capital Planning process are defined as projects or equipment that have a cost of \$250,000 or greater. In some cases, such as the Facility Major Maintenance Program and the transportation construction and maintenance programs, individual projects may be less than this threshold, but the program as a whole meets the definition, and the program has a significant total cost to be included in the capital planning process. A significant portion of the funding for the Program is from dedicated resources. The City follows a “Pay-As-You-Go” philosophy. This requires funds to be accumulated in reserves until the total cost of a project has been received.

Revenues

A major source of funding for the Capital Program, at 30%, is from General Fund resources, which include Highway Users Tax Fund (HUTF) revenue, General Fund tax revenue, the TABOR reserve, and the Council Capital reserve that dedicates 2.5% of tax revenue below the TABOR limitation for capital projects through 2015 and 5% for the rest of the plan. The availability of General Fund tax resources is linked to the Financial Master Plan, which programs both capital and operating funding related to capital projects.

CEF fees are a major funding component at 32% of the total program, although the share has been declining due to the recession. These are fees on development paid to the City to fund the infrastructure required to maintain service levels in the City as it grows. The City has ten different CEF fees, with one for each major service area. These are a Cultural Services Fee, Fire Fee, General Government

2013-2022 Capital Resources



Fee, Library Fee, a Law Enforcement Fee, Parks Fee, Open Space Fee, Recreation Fee, Trails Fee, and Streets Fee. The Cultural Services, Library, Parks, Recreation, Open Space and Trails fees are charged to residential construction only. All other fees are charged to both residential and commercial development. Revenues from each fee are restricted to be used for new capital construction within the specific service category. As a result, most of the fee categories will carry significant ending balances that are accumulated for future capital projects. The decline in building activity has significantly reduced CEF collections in the past three years, and, due to the recession, a recovery to the levels experienced in 2004-2007 is not expected in the near term.

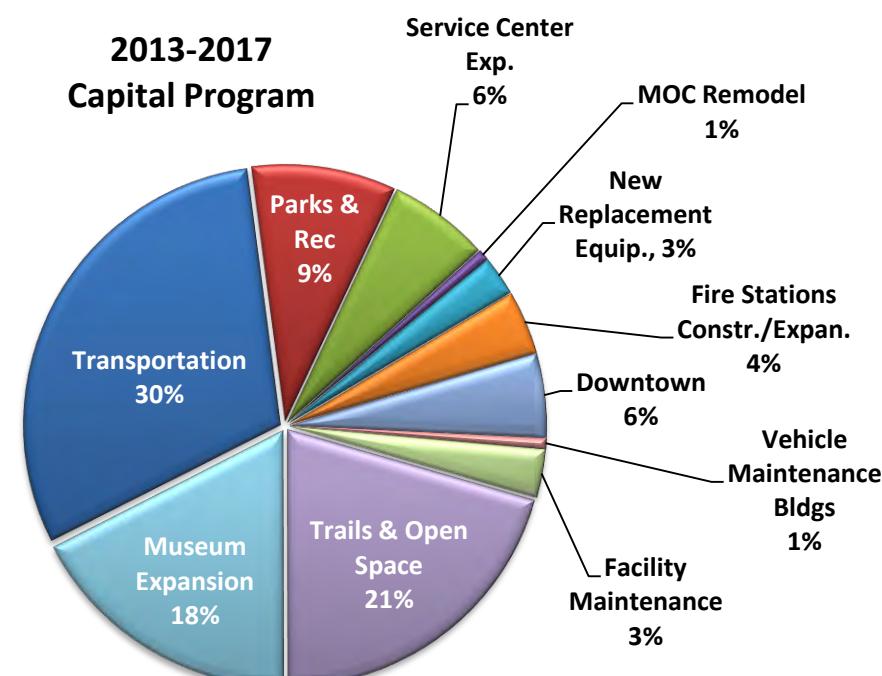
The revenue assumptions for the CEF fees are based on projected building activity. An analysis of CEF collections compared to building permit inspections shows that most CEF fees from residential building are collected within the same year as the building permit revenue is received. However, for CEFs from non-residential projects there is a two-year lag between building permit collection and the CEF collections. In the City ordinance establishing the CEF fees, the fees are to be increased annually for inflation based on the construction index reported by the Engineering News and Report, for most fees, and a blended index created and reported by the Colorado Department of Transportation for the transportation fee.

Expenses

The Capital Program Summary has two subgroups of capital expenses. The “Bricks & Mortar” subgroup includes all vertical construction, land purchases, park development, and street construction and maintenance. The “New & Replacement Equipment” subgroup includes the purchase of new fire apparatus or heavy construction equipment, and the replacement of major equipment. For the purpose of Capital Program planning, equipment considered within the plan has a cost of \$250,000 or greater. Equipment used within the General Fund agencies with a cost below \$250,000 will be prioritized and budgeted within the operating budget process.

Prior to 2008, all fire apparatus was excluded from the City’s Fleet Fund. Replacement of the apparatus was budgeted within the Capital Program depending on age and availability of funds. A team effort between the Public Works and the Finance departments developed a fleet plan that will place fire apparatus within the fund upon replacement and amortize the replacement cost over time. By staging the movement of fire apparatus into the Fleet Fund, the Fire & Rescue Department operating budget will increase over time, but will insure funding is available to replace the fire apparatus. The methodology will minimize operating impacts in the near term.

All Building Project costs in 2013 are in current dollars. Building costs in the out-years have been inflated by 4% annually based on the construction cost index reported in the Engineering News Report. Park project costs are in current dollars throughout the plan. Changes in scope may need to occur to keep park projects within the cost estimates shown. Economic conditions and Council priorities will change over time and are difficult to forecast over a 10-year period. A 5-year period is manageable, although all costs are still projections or estimates. For this reason, the discussion will focus on the first five years of the plan.



The allocation of funding by project type over the first five years of the recommended program is shown in the pie chart. It demonstrates the Council commitment to transportation with street construction and maintenance being nearly one-third of the total resources allocated in the program.

General Fund Capital Projects Descriptions

The following is a summary of the major projects:

Bricks & Mortar

- **Downtown Improvements:**
 - **Downtown Infrastructure Improvements** – An average of \$1.0 million is programmed annually in 2013-2017 for improvements to the infrastructure downtown. The funding source is General Fund revenues from the Council Capital Reserve.
- **Trail Construction** – \$2.8 million is programmed over the next five years for construction of the bike/hike trail that will circle the City upon completion. The funding sources are Colorado Lottery Funds and Trail CEFs.
- **Open Land Acquisition** – \$15.3 million is programmed over the next five years for the purchase of additional open space around the City. The funding sources are the Open Space Impact Fees and the County Open Space Sales Tax.
- **Facility Maintenance Projects** – Most of the City facilities are now over 20 years in age and will require an increased maintenance effort. This will include roof replacements, upgrades or replacement of heating and cooling systems, carpet replacement, and general repair. The City will invest nearly \$2.7 million towards this effort over five years using General Fund revenues.
- **Transportation Program** – \$7.0 million is programmed over the next five years for construction and renovation of the City streets, based on the 2030 Transportation Plan. The funding sources are the Streets CEFs and General Fund revenues.
- **Street Rehabilitation** – \$22.3 million is programmed over the five-year period for rehabilitation of existing streets. The funding source is HUTF revenues and the Transportation Utility Fee.
- **Museum Expansion** – A 26,000 square foot expansion is planned at a projected cost of \$15.5 million. The funding source is Cultural Services CEFs, General Government CEFs and \$10 million in grants and private contributions.
- **Loveland Sports Park Phase II** – Development of the next phase of the Loveland Sports Park is scheduled for 2014-2015 at a cost of \$3.2 million. The funding sources are Park CEFs and Recreation CEFs.
- **Service Center Phase III** – This phase will construct a facility to house the Project Engineering Division, Street Maintenance Division, the Storm Water Enterprise, and the Solid Waste Enterprise equipment and personnel. The design phase was programmed in 2011 with construction in 2013. The total cost of the project is \$5.6 million. The funding sources are General Government CEFs and Enterprise fund revenues.

New & Replacement Equipment

- **Fire Apparatus Replacement** – \$2.2 million is programmed for the replacement of fire apparatus in the five-year period. As this equipment is replaced, it will be placed in the Fleet Fund, with future replacement costs amortized over the life of the equipment. The amortization will be charged to the Loveland Fire Rescue Authority operating budget. The funding source is General Fund revenues.

Enterprise Funds Agencies

The Enterprise Fund Capital Program is funded through revenues derived from rates on usage and impact fees called System Impact Fees (SIFs) or Plant Investment Fees (PIFs). Like the Capital Expansion Fees (CEFs) used in the General Fund Agency Capital Program, these are fees paid by development to offset the impact of new infrastructure from the new development on the system.

In 2013, the Water Enterprise is recommending a 15.0% increase in water rates and bonding \$16.0 million to fund capital improvements for both the treatment plant and the distribution system over the next ten years. The

distribution system is aging and failures have increased at a significant rate. The capital program focuses on replacing this infrastructure in the first five years of the plan, with most expansions occurring in the second five years. The treatment plant will have extensive projects to expand capacity since the City has been reaching its maximum output during the summer in the past two years.

Enterprise Fund Capital Projects Descriptions

The Water Enterprise Fund provides for the treatment and distribution of water to City residents and businesses. Major projects over the ten year planning period include:

- \$1.6 million is allocated for projects to improve and expand the plant treatment operations and improve reliability.
- \$1.3 million for improvements at Filter Plant #2 to improve life expectancy of the filters and reduce backwash water consumption.
- \$4.6 million is planned for handling solids from the treatment plant to meet regulatory and operational needs.
- \$7.5 million for the demolition of the 94 year old Filter Plant #1 building and the construction of a new 8MGD building.
- \$10.3 million for improvements at the Chemical building to improve chemical feeds, storage capacity and system controls.
- \$1.1 million to improve motor control capacity and replace aging switch gear at the treatment plant.
- \$2.1 million for two storage lagoon projects to expand storage and drying capacity to meet Colorado Department of Public Health and Environment regulations.
- \$22.9 million is allocated over the planning period for water line replacements.
- \$4.8 million is included for the construction of a new 30" water line at Morning Drive.
- \$1.3 million is allocated for the replacement of the Morning Drive Pump Station.
- \$7.8 million for 24' and 16" lines in the East Gravity Zone to maintain adequate pressure on the east side of the City.
- \$7.2 million is allocated for a new 5-million gallon water tank beside the current tank on 29th Street.
- \$3.1 million is planned for a Southwest Booster station growth in the southern part of the city.

The Raw Water Enterprise Fund provides for the acquisition of water and storage facilities to insure the City has an adequate water supply. Major projects include:

- \$24.2 million for construction of a new reservoir in partnership with several Front Range cities. Loveland's share of the project will add 7,000 acre-feet of storage for the City. This project is partially funded by an annual 1% increase in water rates.
- \$10.6 million is allocated over the 10-year period for additional water purchases so the water supply will keep up with growth in the City.

The Wastewater Enterprise Fund collects and treats all water used by City residents and businesses, except for irrigation, and treats the water so it can be returned to the river for downstream users. Major projects include:

- \$2.9 million over 10 years for line replacements due to an aging collection system.
- \$2.4 million for a new laboratory building at the Wastewater Treatment Plant for regulatory and non-regulatory analysis.
- \$3.0 million for digester projects at the Wastewater Treatment plant.
- \$1.0 million in blower and aeration basin diffuser projects that will increase plant capacity.
- \$6.6 million for nutrient treatment facilities requiring the removal of nutrients to meet anticipated regulatory restrictions on total nitrogen and total phosphorus.
- \$4.3 million for a new aeration basin to increase the plant capacity and re-rate the plant to 12MGD and 28,500lbs/day BOD5 to coincide with the nutrient removal project.
- \$3.1 million for improvements to the primary clarifier as a component project to increase the capacity.

- \$7.5 million to provide on-site dewatering to reduce the volume for digested biosolids needing to be hauled from the plant.
- \$7.7 million for a third digester to increase capacity at the plant.
- \$6.0 million is allocated for Boyd Lake interceptor projects to handle planned growth in the northwest part of the City.
- \$3.8 million is planned for sewer line rehabilitation projects and corrosion control.
- \$5.0 million is allocated in 2014-2015 for the new sewer line along the State Highway 402 corridor.
- \$1.7 million for the East Side Discharge Truck line to the Wastewater Treatment Plant.

The Power Enterprise Fund provides electricity to all City residents and businesses. The focus of the program is to maintain the high reliability ratings the City has achieved over many years. Major projects include:

- \$1.4 million for a series of projects connected with the FERC Hydroelectric Plant relicensing process.
- \$15.8 million in system improvements.
- \$11.5 million is allocated for feeder line extensions.
- \$14.2 million is allocated for substation improvements and major maintenance.
- \$2.9 million is allocated for power line relocations driven by new street construction projects.
- \$2.8 million is allocated for street light improvements and maintenance.
- \$5.2 million is allocated for a project to convert electric service in the Thompson Canyon to 12.47 KV voltage to add reliability in the Canyon.
- \$5.5 million to construct the Highway 402 Feeder extension.
- \$7.6 million for projected growth due to new construction. These projects are initiated and paid for by developers.
- \$2.7 million is included for minor upgrades to correct low voltage concerns and/or improve system reliability.
- \$1.7 million is planned to replace the 200 amp electric service on the southwest corner of 1st Street and Taft Avenue due to reliability issues.
- \$1.2 million to replace the 200 amp system between 29th Street and 37th Street due to reliability issues.

The Storm Water Enterprise Fund collects the runoff from City streets for return to the river, to minimize flooding and improve traffic safety. Major projects include:

- \$1.0 million is allocated in 2013 for the 29th Street and Monroe Avenue Outfall.
- \$5.6 million is allocated for the South Loveland Outfall Phase III.
- \$2.5 million is allocated over the 10-year period for maintenance projects.
- \$1.1 million is allocated for Airport Basin Master Plan improvements.
- \$4.7 million for the replacement of street sweeping and maintenance equipment.

*** THIS PAGE INTENTIONALLY LEFT BLANK ***

2013-2022 All Funds Recommended Capital Program

	2013	2014	2015	2016	2017	Five Year Total
Capital Projects Fund	5,500,000	2,717,500	12,520,610	2,720,090	1,173,760	24,631,960
Power Enterprise	6,442,410	8,902,600	6,440,620	7,038,710	8,888,430	37,712,770
Water Enterprise	6,580,380	6,490,160	6,477,640	3,766,340	8,634,760	31,949,280
Wastewater Enterprise	3,669,600	3,639,450	4,309,730	9,769,590	5,465,380	26,853,750
Raw Water Enterprise	1,118,000	796,470	22,279,530	679,800	590,570	25,464,370
Storm Water Enterprise	1,790,000	2,160,800	952,000	738,400	1,352,500	6,993,700
Streets CEF Fund	902,360	893,900	899,000	901,000	899,400	4,495,660
Parks CEF Fund	350,000	550,000	2,733,760	250,000	-	3,883,760
Recreation CEF Fund	450,000	50,000	500,000	1,900,000	-	2,900,000
Open Space CEF Fund	1,290,000	-	831,250	-	-	2,121,250
Recreation Trails CEF Fund	600,000	200,000	-	475,230	-	1,275,230
General Government CEF Fund	2,217,540	-	2,692,820	-	-	4,910,360
Fire CEF Fund	3,534,500	-	-	-	-	3,534,500
Cultural Services CEF Fund	-	2,328,140	500,000	-	-	2,828,140
Conservation Trust Fund	283,770	366,330	331,730	616,910	-	1,598,740
Park Improvement Fund	305,000	205,000	-	-	235,000	745,000
Open Lands Tax Fund	1,975,000	949,050	4,390,200	4,450,000	1,400,000	13,164,250
Transportation Fund	4,881,890	4,794,180	5,008,680	4,972,170	5,083,670	24,740,590
Total Expense	37,008,560	30,249,400	65,858,890	33,306,070	28,639,800	195,062,720

2018	2019	2020	2021	2022	Ten Year Total
968,840	614,620	1,191,110	1,333,390	681,430	29,421,350
6,451,296	7,600,327	9,404,312	7,876,214	8,523,664	77,568,583
14,027,230	10,065,160	9,473,570	7,321,260	7,536,130	80,372,630
6,988,260	8,302,590	4,478,880	8,615,010	8,619,660	63,858,150
615,670	1,335,030	669,120	697,560	727,200	29,508,950
931,000	1,450,500	1,473,300	851,300	5,102,900	16,802,700
949,000	1,001,000	1,101,000	1,246,200	1,041,500	9,834,360
2,325,000	-	1,067,520	1,980,000	1,900,000	11,156,280
-	-	-	-	-	2,900,000
-	1,000,000	-	-	800,000	3,921,250
-	-	-	1,100,000	-	2,375,230
-	-	-	-	-	4,910,360
2,299,000	-	-	-	-	5,833,500
-	-	-	-	-	2,828,140
-	-	-	-	-	1,598,740
-	-	-	-	-	745,000
-	-	-	-	-	13,164,250
5,213,290	5,397,160	5,531,400	5,725,950	5,948,040	52,556,430
35,555,296	31,369,227	28,858,812	31,020,934	34,932,484	356,799,473

2013-2022 General Fund Agencies Recommended Capital Program

		2013	2014	2015	2016	2017	Five Year Total
Revenue							
Beginning Balance		\$ 46,771,800	\$ 42,625,698	\$ 44,950,222	\$ 37,952,672	\$ 35,246,742	\$ 46,771,800
1 General Fund		2,177,700	3,445,530	3,300,480	3,553,360	2,462,030	14,939,100
2 TABOR		1,639,178	2,443,864	-	-	-	4,083,042
3 Council Reserve		117,610	81,230	160,530	200,950	1,349,710	1,910,030
4 Intra-Fund Loan early Repayment		1,000,000	-	-	-	-	1,000,000
5 Transportation Fee		2,516,550	2,592,050	2,669,810	2,749,910	2,832,410	13,360,730
6 CEF		4,391,640	4,520,420	4,642,190	4,749,060	3,752,910	22,056,220
7 Interest		763,330	928,280	1,143,800	1,026,200	1,094,450	4,956,060
8 Conservation Trust		500,000	500,000	500,000	500,000	500,000	2,500,000
9 Open Lands Tax		1,485,690	1,515,400	1,545,710	1,576,630	1,608,160	7,731,590
10 Other Revenue Less Operations Expense		(534,770)	(553,490)	(572,860)	(592,910)	(584,460)	(2,838,490)
11 Park Improvement		52,600	52,650	52,700	52,760	52,810	263,520
12 Outside Revenue		4,257,280	80,000	10,200,000	-	-	14,537,280
13 Funding for Operating and Maintenance Reserve		(222,850)	(227,310)	(231,860)	(236,490)	(241,220)	(1,159,730)
Total Revenue		\$ 64,915,758	\$ 58,004,322	\$ 68,360,722	\$ 51,532,142	\$ 48,073,542	\$ 130,111,152
Expense							
Bricks & Mortar							
14 Downtown Infrastructure		1,000,000	1,000,000	1,000,000	1,000,000	600,000	4,600,000
15 Recreation Trail		883,770	566,330	331,730	1,092,140	-	2,873,970
16 Open Lands Acquisition		3,265,000	949,050	5,221,450	4,450,000	1,400,000	15,285,500
17 Facility Maintenance Capital Projects		500,000	517,500	535,610	554,360	573,760	2,681,230
18 Transportation Program		1,590,000	1,368,000	1,458,000	1,290,000	1,262,400	6,968,400
19 Street Rehabilitation		4,194,250	4,320,080	4,449,680	4,583,170	4,720,670	22,267,850
20 Park Improvements Projects		305,000	205,000	-	-	-	510,000
21 Construct New Fire Station 2 for NW Service		3,534,500	-	-	-	-	3,534,500
22 Construct New Fire Station 10 for W Service		-	-	-	-	-	-
23 Museum Expansion		-	2,328,140	13,192,820	-	-	15,520,960
24 VM - Car Wash		600,000	-	-	-	-	600,000
25 North Lake Tennis Courts Additions		350,000	-	-	-	-	350,000
26 Loveland Sports Park		-	550,000	2,733,760	-	-	3,283,760
27 Service Center Phase III Expansion		5,617,540	-	-	-	-	5,617,540
28 Maintenance Operations Center Remodel		-	-	-	635,730	-	635,730
29 Fairgrounds Park/Barnes Softball Complex		450,000	-	510,000	-	-	960,000
30 Kroh Park		-	-	-	-	-	-
31 New Neighborhood Parks		-	-	-	250,000	235,000	485,000
32 Osborn Park		-	-	-	-	-	-
33 North Lake Park Improvements		-	-	-	-	-	-
34 New Recreation Center Feasibility and Land Purchase		-	50,000	500,000	-	-	550,000
35 Spray Park		-	-	-	1,900,000	-	1,900,000
Subtotal Bricks & Mortar		\$ 22,290,060	\$ 11,854,100	\$ 29,933,050	\$ 15,755,400	\$ 8,791,830	\$ 88,624,440
New & Replacement Equipment							
36 Replace Fire Apparatus		-	1,200,000	475,000	530,000	-	2,205,000
37 Public Works Heavy Equipment Replacement		-	-	-	-	-	-
Subtotal Equipment		\$ -	\$ 1,200,000	\$ 475,000	\$ 530,000	\$ -	\$ 2,205,000
Total		\$ 22,290,060	\$ 13,054,100	\$ 30,408,050	\$ 16,285,400	\$ 8,791,830	\$ 90,829,440
Reserve for Future Capital Projects		\$ 42,625,698	\$ 44,950,222	\$ 37,952,672	\$ 35,246,742	\$ 39,281,712	\$ 39,281,712

Note: CEF funds are restricted to use, and while shown in the total bottom line, may not be appropriate for certain projects. The same is true for Special Revenue funds. The impact is there will be a larger reliance on general funding than there are funds available, while there will be significant ending balances in the restricted funds.

								Ten Year Total
	2018	2019	2020	2021	2022			
\$	39,281,712	\$ 41,423,082	\$ 46,025,612	\$ 50,868,561	\$ 53,858,261	\$ 46,771,800		
	2,913,760	2,617,880	3,254,470	3,458,650	2,870,440	30,054,300		
	-	-	-	-	-	4,083,042		
	1,416,640	1,486,880	1,560,730	1,638,310	1,719,850	9,732,440		
	-	-	-	-	-	1,000,000		
	2,917,380	3,004,900	3,095,050	3,187,900	3,283,530	28,849,490		
	3,841,660	3,932,600	4,025,780	4,121,260	4,219,090	42,196,610		
	1,464,840	1,629,340	1,829,480	2,043,840	2,128,530	14,052,090		
	500,000	500,000	500,000	500,000	500,000	5,000,000		
	1,640,320	-	-	-	-	9,371,910		
	(604,920)	(609,220)	(584,461)	(627,650)	-	(5,264,741)		
	52,870	52,930	52,930	52,930	52,930	528,110		
	-	-	-	-	-	14,537,280		
	(246,050)	-	-	-	-	(1,405,780)		
\$	53,178,212	\$ 54,038,392	\$ 59,759,591	\$ 65,243,801	\$ 68,632,631	\$ 199,506,551		
	-	-	-	-	-	4,600,000		
	-	-	-	1,100,000	-	3,973,970		
	-	1,000,000	-	-	800,000	17,085,500		
	593,840	614,620	636,130	658,390	681,430	5,865,640		
	1,300,000	1,390,000	1,474,000	1,659,000	1,517,000	14,308,400		
	4,862,290	5,008,160	5,158,400	5,313,150	5,472,540	48,082,390		
	-	-	-	-	-	510,000		
	-	-	-	-	-	3,534,500		
	2,299,000	-	-	-	-	2,299,000		
	-	-	-	-	-	15,520,960		
	-	-	-	-	-	600,000		
	-	-	-	-	-	350,000		
	-	-	-	-	-	3,283,760		
	-	-	-	-	-	5,617,540		
	-	-	-	-	-	635,730		
	-	902,500	-	-	-	1,862,500		
	-	470,000	1,730,000	-	-	2,200,000		
	1,865,000	-	250,000	250,000	1,900,000	4,750,000		
	460,000	-	-	-	-	460,000		
	375,000	-	-	-	-	375,000		
	-	-	-	-	-	550,000		
	-	-	-	-	-	1,900,000		
\$	11,755,130	\$ 8,012,780	\$ 8,891,030	\$ 10,710,540	\$ 10,370,970	\$ 138,364,890		
	-	-	-	-	-	2,205,000		
	-	-	-	675,000	-	675,000		
\$	-	\$ -	\$ -	\$ 675,000	\$ -	\$ 2,880,000		
\$	11,755,130	\$ 8,012,780	\$ 8,891,030	\$ 11,385,540	\$ 10,370,970	\$ 141,244,890		
\$	41,423,082	\$ 46,025,612	\$ 50,868,561	\$ 53,858,261	\$ 58,261,661	\$ 58,261,661		

2013 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Capital Projects	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	2,710,644	3,885,570	-	2,217,270	1,873,703	3,469,326	1,361,542	923,159
Current Year	500,000	1,639,178	1,074,760	-	808,180	968,780	485,740	239,080	151,390
Interest on Beginning Balance	-	-	-	-	42,130	35,600	65,920	25,870	17,540
HUTF Revenue Allocated to Street Maintenance	1,677,700	-	-	-	-	-	-	-	-
Intraa-Fund Loan Early Repayment									
Transportation Fee	-	-	-	2,516,550	-	-	-	-	-
Other Revenue less Operating Expense	-	-	-	-	-	-	-	-	-
Internal Loan Repayment	-	-	(957,150)	-	-	-	382,860	-	-
Funding for Operating and Maintenance Reserve Annual Contribution	-	-	-	-	-	-	-	-	-
Total Resources	\$ 2,177,700	\$ 4,349,822	\$ 4,003,180	\$ 2,516,550	\$ 3,067,580	\$ 2,878,083	\$ 4,403,846	\$ 1,626,492	\$ 1,092,089
Project Requests 2013									
Downtown Projects	-	-	1,000,000	-	-	-	-	-	-
Recreation Trail	-	-	-	-	-	-	-	-	600,000
Open Lands Acquisition	-	-	-	-	-	-	-	1,290,000	-
Park Restroom Renovations	-	-	-	-	-	-	-	-	-
Construct New Fire Station 2 to Expand NW Service And Add New Engine	-	-	-	-	-	-	-	-	-
Service Center Phase III Expansion To House Solid Waste, Streets, and Stormwater - Construction (Year 2 of 2 Year Project)	-	-	-	-	-	-	-	-	-
Fairgrounds Park Field Lighting	-	-	-	-	-	-	450,000	-	-
NL Tennis Courts	-	-	-	-	-	350,000	-	-	-
VM Car Wash	-	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Building Maintenance Projects)	380,000	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Roof Replacement Program)	120,000	-	-	-	-	-	-	-	-
Transportation Program		430,360	-	-	902,360	-	-	-	-
Street Maintenance	1,677,700	-	-	2,516,550	-	-	-	-	-
Total 2013 Project Costs	\$ 2,177,700	\$ 430,360	\$ 1,000,000	\$ 2,516,550	\$ 902,360	\$ 350,000	\$ 450,000	\$ 1,290,000	\$ 600,000
2013 Ending Balance	\$ -	\$ 3,919,462	\$ 3,003,180	\$ -	\$ 2,165,220	\$ 2,528,083	\$ 3,953,846	\$ 336,492	\$ 492,089

Gen. Govt. CEF	Fire CEF	Police CEF	Library CEF	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
8,248,575	1,863,653	4,291,239	253,400	2,315,711	3,435,339	2,185,398	7,737,271	-	46,771,800
177,860	147,820	100,760	196,510	158,370	500,000	52,600	1,485,690	4,257,280	12,943,998
156,720	35,410	81,530	4,810	44,000	65,270	41,520	147,010	-	763,330
-	-	-	-	-	-	-	-	-	1,677,700
1,000,000									1,000,000
-	-	-	-	-	-	-	-	-	2,516,550
-	-	-	-	-	(189,160)	-	(345,610)	-	(534,770)
574,290	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	(222,850)	-	(222,850)
\$ 8,583,155	\$ 3,621,173	\$ 4,473,529	\$ 454,720	\$ 2,518,081	\$ 3,811,449	\$ 2,279,518	\$ 8,801,511	\$ 4,257,280	\$ 64,915,758
-	-	-	-	-	-	-	-	-	1,000,000
-	-	-	-	-	283,770	-	-	-	883,770
-	-	-	-	-	-	-	1,975,000	-	3,265,000
-	-	-	-	-	-	305,000	-	-	305,000
3,534,500	-	-	-	-	-	-	-	-	3,534,500
2,217,540	-	-	-	-	-	-	-	3,400,000	5,617,540
-	-	-	-	-	-	-	-	-	450,000
-	-	-	-	-	-	-	-	-	350,000
-	-	-	-	-	-	-	-	600,000	600,000
-	-	-	-	-	-	-	-	-	380,000
-	-	-	-	-	-	-	-	-	120,000
-	-	-	-	-	-	-	-	257,280	1,590,000
-	-	-	-	-	-	-	-	-	4,194,250
\$ 2,217,540	\$ 3,534,500	\$ -	\$ 454,720	\$ 2,518,081	\$ 283,770	\$ 305,000	\$ 1,975,000	\$ 4,257,280	\$ 22,290,060
\$ 6,365,615	\$ 86,673	\$ 4,473,529	\$ 454,720	\$ 2,518,081	\$ 3,527,679	\$ 1,974,518	\$ 6,826,511	\$ -	\$ 42,625,698

2014 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Capital Projects	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	3,919,462	3,003,180	-	2,165,220	2,528,083	3,953,846	336,492	492,089
Current Year	1,717,500	2,443,864	1,106,840	-	820,300	987,190	494,970	243,620	154,270
Interest on Beginning Balance	-	-	-	-	56,300	65,730	102,800	8,750	12,790
HUTF Revenue Allocated to Street Maintenance	1,728,030	-	-	-	-	-	-	-	-
Transportation Fee	-	-	-	2,592,050	-	-	-	-	-
Other Revenue less Operating Expense	-	-	-	-	-	-	-	-	-
Internal Loan Repayment	-	-	(1,025,610)	-	-	-	410,240	-	-
Funding for Operating and Maintenance Reserve Annual Contribution	-	-	-	-	-	-	-	-	-
Total Resources	\$ 3,445,530	\$ 6,363,326	\$ 3,084,410	\$ 2,592,050	\$ 3,041,820	\$ 3,581,003	\$ 4,961,856	\$ 588,862	\$ 659,149

Project Requests 2014

Downtown Projects	-	-	1,000,000	-	-	-	-	-	-
Replace Smeal Ladder Truck	1,200,000	-	-	-	-	-	-	-	-
Museum Expansion Design (Year 1 of 2 Year Project)	-	-	-	-	-	-	-	-	-
Loveland Sports Park - Phase II Development On East Side -	-	-	-	-	-	550,000	-	-	-
Planning - Year 1 of 2 Year Project	-	-	-	-	-	-	-	-	-
New Recreation Center Feasibility Study	-	-	-	-	-	-	50,000	-	-
Recreation Trail	-	-	-	-	-	-	-	-	200,000
Open Lands Acquisition	-	-	-	-	-	-	-	-	-
Park Restroom Renovations	-	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Building Maintenance Projects)	517,500	-	-	-	-	-	-	-	-
Transportation Program	-	394,100	-	-	893,900	-	-	-	-
Street Maintenance	1,728,030	-	-	2,592,050	-	-	-	-	-
Total 2014 Project Costs	\$ 3,445,530	\$ 394,100	\$ 1,000,000	\$ 2,592,050	\$ 893,900	\$ 550,000	\$ 50,000	\$ -	\$ 200,000
2014 Ending Balance	\$ -	\$ 5,969,226	\$ 2,084,410	\$ -	\$ 2,147,920	\$ 3,031,003	\$ 4,911,856	\$ 588,862	\$ 459,149

2015 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Capital Projects	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	5,969,226	2,084,410	-	2,147,920	3,031,003	4,911,856	588,862	459,149
Current Year	1,520,610	-	1,225,480	-	844,910	1,006,930	504,870	248,490	157,360
Interest on Beginning Balance	-	-	-	-	66,590	93,960	152,270	18,250	14,230
HUTF Revenue Allocated To Street Maintenance	1,779,870	-	-	-	-	-	-	-	-
Transportation Fee	-	-	-	2,669,810	-	-	-	-	-
Other Revenue less Operating Expense	-	-	-	-	-	-	-	-	-
Internal Loan Repayment	-	-	(1,064,950)	-	-	-	425,980	-	-
Funding for Operating and Maintenance Reserve Annual Contribution	-	-	-	-	-	-	-	-	-
Total Resources	\$ 3,300,480	\$ 5,969,226	\$ 2,244,940	\$ 2,669,810	\$ 3,059,420	\$ 4,131,893	\$ 5,994,976	\$ 855,602	\$ 630,739

Project Requests 2015

Downtown Projects	-	-	1,000,000	-	-	-	-	-	-
Replace 1995 General Telesquirt	475,000	-	-	-	-	-	-	-	-
Museum Expansion Construction (Year 2 of 2 Year Project)	-	-	-	-	-	-	-	-	-
Loveland Sports Park - Phase II Development On East Side -	-	-	-	-	-	2,733,760	-	-	-
Construction - Year 2 of 2 Year Project	-	-	-	-	-	-	-	-	-
Barnes Park Field Lighting	510,000	-	-	-	-	-	-	-	-
Recreation Trail	-	-	-	-	-	-	-	-	-
Open Lands Acquisition	-	-	-	-	-	-	-	831,250	-
Facility Maintenance Capital (Building Maintenance Projects)	535,610	-	-	-	-	-	-	-	-
Recreation Center Land	-	-	-	-	-	500,000	-	-	-
Parks Improvement Projects	-	-	-	-	-	-	-	-	-
Transportation Program	-	359,000	-	-	899,000	-	-	-	-
Street Maintenance	1,779,870	-	-	2,669,810	-	-	-	-	-
Total 2015 Project Costs	\$ 3,300,480	\$ 359,000	\$ 1,000,000	\$ 2,669,810	\$ 899,000	\$ 2,733,760	\$ 500,000	\$ 831,250	\$ -
2015 Ending Balance	\$ -	\$ 5,610,226	\$ 1,244,940	\$ -	\$ 2,160,420	\$ 1,398,133	\$ 5,494,976	\$ 24,352	\$ 630,739

Gen. Govt. CEF	Fire CEF	Police CEF	Library CEF	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
6,365,615	86,673	4,473,529	454,720	2,518,081	3,527,679	1,974,518	6,826,511	-	42,625,698
180,530	150,040	102,270	200,240	161,380	500,000	52,650	1,515,400	80,000	10,911,064
165,510	2,250	116,310	11,820	65,470	91,720	51,340	177,490	-	928,280
-	-	-	-	-	-	-	-	-	1,728,030
-	-	-	-	-	-	-	-	-	2,592,050
-	-	-	-	-	(195,780)	-	(357,710)	-	(553,490)
-	615,370	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	(227,310)	-	(227,310)
\$ 6,711,655	\$ 854,333	\$ 4,692,109	\$ 666,780	\$ 2,744,931	\$ 3,923,619	\$ 2,078,508	\$ 7,934,381	\$ 80,000	\$ 58,004,322
-	-	-	-	-	-	-	-	-	1,000,000
-	-	-	-	-	-	-	-	-	1,200,000
-	-	-	-	2,328,140	-	-	-	-	2,328,140
-	-	-	-	-	-	-	-	-	550,000
-	-	-	-	-	-	-	-	-	50,000
-	-	-	-	-	366,330	-	-	-	566,330
-	-	-	-	-	-	-	949,050	-	949,050
-	-	-	-	-	-	205,000	-	-	205,000
-	-	-	-	-	-	-	-	-	517,500
-	-	-	-	-	-	-	-	80,000	1,368,000
-	-	-	-	-	-	-	-	-	4,320,080
\$ -	\$ -	\$ -	\$ -	\$ 2,328,140	\$ 366,330	\$ 205,000	\$ 949,050	\$ 80,000	\$ 13,054,100
\$ 6,711,655	\$ 854,333	\$ 4,692,109	\$ 666,780	\$ 416,791	\$ 3,557,289	\$ 1,873,508	\$ 6,985,331	-	\$ 44,950,222
Gen. Govt. CEF	Fire CEF	Police CEF	Library CEF	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
6,711,655	854,333	4,692,109	666,780	416,791	3,557,289	1,873,508	6,985,331	-	44,950,222
185,950	154,540	105,340	204,240	164,610	500,000	52,700	1,545,710	10,200,000	18,621,740
208,060	26,480	145,460	20,670	12,920	110,280	58,080	216,550	-	1,143,800
-	-	-	-	-	-	-	-	-	1,779,870
-	-	-	-	-	-	-	-	-	2,669,810
-	-	-	-	-	(202,630)	-	(370,230)	-	(572,860)
-	638,970	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	(231,860)	-	(231,860)
\$ 7,105,665	\$ 1,674,323	\$ 4,942,909	\$ 891,690	\$ 594,321	\$ 3,964,939	\$ 1,984,288	\$ 8,145,501	\$ 10,200,000	\$ 68,360,722
-	-	-	-	-	-	-	-	-	1,000,000
-	-	-	-	-	-	-	-	-	475,000
2,692,820	-	-	500,000	-	-	-	-	10,000,000	13,192,820
-	-	-	-	-	-	-	-	-	2,733,760
-	-	-	-	-	-	-	-	-	510,000
-	-	-	-	-	331,730	-	-	-	331,730
-	-	-	-	-	-	-	4,390,200	-	5,221,450
-	-	-	-	-	-	-	-	-	535,610
-	-	-	-	-	-	-	-	-	500,000
-	-	-	-	-	-	-	-	200,000	1,458,000
-	-	-	-	-	-	-	-	-	4,449,680
\$ 2,692,820	\$ -	\$ -	\$ 500,000	\$ 331,730	\$ -	\$ 4,390,200	\$ 10,200,000	\$ 30,408,050	\$ -
\$ 4,412,845	\$ 1,674,323	\$ 4,942,909	\$ 891,690	\$ 94,321	\$ 3,633,209	\$ 1,984,288	\$ 3,755,301	\$ -	\$ 37,952,672

2016 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Capital Projects	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	5,610,226	1,244,940		2,160,420	1,398,133	5,494,976	24,352	630,739
Current Year	1,720,090	-	1,286,020	-	870,260	1,028,080	515,470	253,710	160,660
Interest on Beginning Balance	-	-	-	-	71,290	46,140	181,330	800	20,810
HUTF Revenue Allocated to Street Maintenance	1,833,270	-	-	-	-	-	-	-	-
Transportation Fee	-	-	-	2,749,910	-	-	-	-	-
Other Revenue less Operating Expense	-	-	-	-	-	-	-	-	-
Internal Loan Repayment	-	-	(1,085,070)	-	-	-	434,030	-	-
Funding for Operating and Maintenance Reserve Annual Contribution	-	-	-	-	-	-	-	-	-
Total Resources	\$ 3,553,360	\$ 5,610,226	\$ 1,445,890	\$ 2,749,910	\$ 3,101,970	\$ 2,472,353	\$ 6,625,806	\$ 278,862	\$ 812,209

Project Requests 2016

Downtown Projects	-	-	1,000,000						
Replace Smeal Engine	530,000	-	-	-	-	-	-	-	-
Neighborhood Parks - Expansion and Renovation	-	-	-	-	-	250,000	-	-	-
Spray Park	-	-	-	-	-	-	1,900,000	-	-
Recreation Trail	-	-	-	-	-	-	-	-	475,230
Open Lands Acquisition	-	-	-	-	-	-	-	-	-
Maintenance Operations Center Remodel	635,730	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Building Maintenance Projects)	469,360	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Roof Replacement Program)	85,000	-	-	-	-	-	-	-	-
Transportation Program	-	389,000	-	-	901,000	-	-	-	-
Street Maintenance	1,833,270	-	-	2,749,900	-	-	-	-	-
Total 2016 Project Costs	\$ 3,553,360	\$ 389,000	\$ 1,000,000	\$ 2,749,900	\$ 901,000	\$ 250,000	\$ 1,900,000	\$ -	\$ 475,230
2016 Ending Balance	\$ -	\$ 5,221,226	\$ 445,890	\$ 10	\$ 2,200,970	\$ 2,222,353	\$ 4,725,806	\$ 278,862	\$ 336,979

2017 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Capital Projects	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	5,221,226	445,890	-	2,200,970	2,222,353	4,725,806	278,862	336,979
Current Year	573,760	-	1,349,710	-	896,370	1,049,670	526,290	259,040	164,030
Interest on Beginning Balance	-	-	-	-	81,440	82,230	174,850	10,320	12,470
HUTF Revenue Allocated to Street Maintenance	1,888,270	-	-	-	-	-	-	-	-
Transportation Fee	-	-	-	2,832,410	-	-	-	-	-
Internal Loan Repayment	-	-	(1,116,850)	-	-	-	446,740	-	-
Other Revenue less Operating Expense	-	-	-	-	-	-	-	-	-
Funding for Operating and Maintenance Reserve Annual Contribution	-	-	-	-	-	-	-	-	-
Total Resources	\$ 2,462,030	\$ 5,221,226	\$ 678,750	\$ 2,832,410	\$ 3,178,780	\$ 3,354,253	\$ 5,873,686	\$ 548,222	\$ 513,479

Project Requests 2017

Downtown Projects	-	-	600,000						
Open Lands	-	-	-	-	-	-	-	-	-
Neighborhood Parks	-	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Building Maintenance Projects)	503,760	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Roof Replacement Program)	70,000	-	-	-	-	-	-	-	-
Transportation Program	-	363,000	-	-	899,400	-	-	-	-
Street Maintenance	1,888,270	-	-	2,832,400	-	-	-	-	-
Total 2017 Project Costs	\$ 2,462,030	\$ 363,000	\$ 600,000	\$ 2,832,400	\$ 899,400	\$ -	\$ -	\$ -	\$ -
2017 Ending Balance	\$ -	\$ 4,858,226	\$ 78,750	\$ 10	\$ 2,279,380	\$ 3,354,253	\$ 5,873,686	\$ 548,222	\$ 513,479

Gen. Govt. CEF	Fire CEF	Police CEF	Library CEF	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
4,412,845	1,674,323	4,942,909	891,690	94,321	3,633,209	1,984,288	3,755,301	-	37,952,672
191,530	159,180	108,500	208,530	168,070	500,000	52,760	1,576,630	-	8,799,490
145,620	55,250	163,120	29,430	3,110	119,900	65,480	123,920	-	1,026,200
-	-	-	-	-	-	-	-	-	1,833,270
-	-	-	-	-	-	-	-	-	2,749,910
-	-	-	-	-	(209,720)	-	(383,190)	-	(592,910)
-	651,040	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	(236,490)	-	(236,490)
\$ 4,749,995	\$ 2,539,793	\$ 5,214,529	\$ 1,129,650	\$ 265,501	\$ 4,043,389	\$ 2,102,528	\$ 4,836,171	\$ -	\$ 51,532,142
-	-	-	-	-	-	-	-	-	1,000,000
-	-	-	-	-	-	-	-	-	530,000
-	-	-	-	-	-	-	-	-	250,000
-	-	-	-	-	-	-	-	-	1,900,000
-	-	-	-	-	616,910	-	-	-	1,092,140
-	-	-	-	-	-	-	4,450,000	-	4,450,000
-	-	-	-	-	-	-	-	-	635,730
-	-	-	-	-	-	-	-	-	469,360
-	-	-	-	-	-	-	-	-	85,000
-	-	-	-	-	-	-	-	-	1,290,000
-	-	-	-	-	-	-	-	-	4,583,170
\$ -	\$ -	\$ -	\$ -	\$ -	\$ 616,910	\$ -	\$ 4,450,000	\$ -	\$ 16,285,400
\$ 4,749,995	\$ 2,539,793	\$ 5,214,529	\$ 1,129,650	\$ 265,501	\$ 3,426,479	\$ 2,102,528	\$ 386,171	\$ -	\$ 35,246,742
Gen. Govt. CEF	Fire CEF	Police CEF	Library CEF	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
4,749,995	2,539,793	5,214,529	1,129,650	265,501	3,426,479	2,102,528	386,171	-	35,246,732
197,280	163,960	111,760	212,910	171,600	500,000	52,810	1,608,160	-	7,837,350
175,750	93,970	192,940	41,800	9,820	126,780	77,790	14,290	-	1,094,450
-	-	-	-	-	-	-	-	-	1,888,270
-	-	-	-	-	-	-	-	-	2,832,410
-	670,110	-	-	-	-	-	-	-	-
-	-	-	-	-	(217,060)	-	(367,400)	-	(584,460)
-	-	-	-	-	-	-	(241,220)	-	(241,220)
\$ 5,123,025	\$ 3,467,833	\$ 5,519,229	\$ 1,384,360	\$ 446,921	\$ 3,836,199	\$ 2,233,128	\$ 1,400,001	\$ -	\$ 48,073,532
-	-	-	-	-	-	-	-	-	600,000
-	-	-	-	-	-	-	1,400,000	-	1,400,000
-	-	-	-	-	-	235,000	-	-	235,000
-	-	-	-	-	-	-	-	-	503,760
-	-	-	-	-	-	-	-	-	70,000
-	-	-	-	-	-	-	-	-	1,262,400
-	-	-	-	-	-	-	-	-	4,720,670
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 235,000	\$ 1,400,000	\$ -	\$ 8,791,830
\$ 5,123,025	\$ 3,467,833	\$ 5,519,229	\$ 1,384,360	\$ 446,921	\$ 3,836,199	\$ 1,998,128	\$ 1	\$ -	\$ 39,281,702

2018 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Capital Projects	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	4,858,226	78,750	10	2,279,380	3,354,253	5,873,686	548,222	513,479
Current Year	968,840	-	1,416,640	-	923,260	1,070,660	536,820	264,220	167,310
Interest on Beginning Balance	-	-	-	-	98,010	144,230	252,570	23,570	22,080
HUTF Revenue Allocated to Street Maintenance	1,944,920	-	-	-	-	-	-	-	-
Transportation Fee	-	-	-	2,917,380	-	-	-	-	-
Other Revenue less Operating Expense	-	-	-	-	-	-	-	-	-
Funding for Operating and Maintenance Reserve Annual Contribution	-	-	-	-	-	-	-	-	-
Total Resources	\$ 2,913,760	\$ 4,858,226	\$ 1,495,390	\$ 2,917,390	\$ 3,300,650	\$ 4,569,143	\$ 6,663,076	\$ 836,012	\$ 702,869

Project Requests 2018

North Lake Park	375,000	-	-	-	-	-	-	-	-
Osborn Park	-	-	-	-	-	460,000	-	-	-
Neighborhood Parks	-	-	-	-	-	1,865,000	-	-	-
Facility Maintenance Capital (Building Maintenance Projects)	513,840	-	-	-	-	-	-	-	-
Construct New Fire Station 10 to Improve W Side Service	-	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Roof Replacement Program)	80,000	-	-	-	-	-	-	-	-
Transportation Program	-	351,000	-	-	949,000	-	-	-	-
Street Maintenance	1,944,920	-	2,917,370	-	-	-	-	-	-
Total 2018 Project Costs	\$ 2,913,760	\$ 351,000	\$ -	\$ 2,917,370	\$ 949,000	\$ 2,325,000	\$ -	\$ -	\$ -
2018 Ending Balance	\$ -	\$ 4,507,226	\$ 1,495,390	\$ 20	\$ 2,351,650	\$ 2,244,143	\$ 6,663,076	\$ 836,012	\$ 702,869

2019 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Capital Projects	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	4,507,226	1,495,390	20	2,351,650	2,244,143	6,663,076	836,012	702,869
Current Year	614,620	-	1,486,880	-	950,960	1,092,070	547,560	269,500	170,660
Interest on Beginning Balance	-	-	-	-	108,180	103,230	306,500	38,460	32,330
HUTF Revenue Allocated to Street Maintenance	2,003,260	-	-	-	-	-	-	-	-
Transportation Fee	-	-	-	3,004,900	-	-	-	-	-
Other Revenue less Operating Expense	-	-	-	-	-	-	-	-	-
Funding for Operating and Maintenance Reserve Annual Contribution	-	-	-	-	-	-	-	-	-
Total Resources	\$ 2,617,880	\$ 4,507,226	\$ 2,982,270	\$ 3,004,920	\$ 3,410,790	\$ 3,439,443	\$ 7,517,136	\$ 1,143,972	\$ 905,859

Project Requests 2019

Facility Maintenance Capital (Building Maintenance Projects)	534,620	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Roof Replacement Program)	80,000	-	-	-	-	-	-	-	-
Open Lands	-	-	-	-	-	-	-	1,000,000	-
Transportation Program	-	389,000	-	-	1,001,000	-	-	-	-
Street Maintenance	2,003,260	-	3,004,900	-	-	-	-	-	-
Total 2019 Project Costs	\$ 2,617,880	\$ 389,000	\$ -	\$ 3,004,900	\$ 1,001,000	\$ -	\$ -	\$ 1,000,000	\$ -
2019 Ending Balance	\$ -	\$ 4,118,226	\$ 2,982,270	\$ 20	\$ 2,409,790	\$ 3,439,443	\$ 7,517,136	\$ 143,972	\$ 905,859

Gen. Govt. CEF	Fire CEF	Police CEF	Library CEF	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
5,123,025	3,467,833	5,519,229	1,384,360	446,921	3,836,199	1,998,128	1	-	39,281,702
203,200	168,880	115,110	217,170	175,030	500,000	52,870	1,640,320	-	8,420,330
220,290	149,120	237,330	59,530	19,220	164,960	73,930	-	-	1,464,840
-	-	-	-	-	-	-	-	-	1,944,920
-	-	-	-	-	-	-	-	-	2,917,380
-	-	-	-	-	(224,660)	-	(380,260)	-	(604,920)
-	-	-	-	-	-	-	(246,050)	-	(246,050)
\$ 5,546,515	\$ 3,785,833	\$ 5,871,669	\$ 1,661,060	\$ 641,171	\$ 4,276,499	\$ 2,124,928	\$ 1,014,011	\$ -	\$ 53,178,202
-	-	-	-	-	-	-	-	-	375,000
-	-	-	-	-	-	-	-	-	460,000
-	-	-	-	-	-	-	-	-	1,865,000
-	-	-	-	-	-	-	-	-	513,840
-	2,299,000	-	-	-	-	-	-	-	2,299,000
-	-	-	-	-	-	-	-	-	80,000
-	-	-	-	-	-	-	-	-	1,300,000
-	-	-	-	-	-	-	-	-	4,862,290
\$ -	\$ 2,299,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,755,130
\$ 5,546,515	\$ 1,486,833	\$ 5,871,669	\$ 1,661,060	\$ 641,171	\$ 4,276,499	\$ 2,124,928	\$ 1,014,011	\$ -	\$ 41,423,072
Gen. Govt. CEF	Fire CEF	Police CEF	Library	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
5,546,515	1,486,833	5,871,669	1,661,060	641,171	4,276,499	2,124,928	1,014,011	-	41,423,072
209,300	173,950	118,560	221,510	178,530	500,000	52,930	-	-	6,587,030
255,140	68,390	270,100	76,410	29,490	196,720	97,750	46,640	-	1,629,340
-	-	-	-	-	-	-	-	-	2,003,260
-	-	-	-	-	(228,960)	-	(380,260)	-	3,004,900
-	-	-	-	-	-	-	-	-	(609,220)
\$ 6,010,955	\$ 1,729,173	\$ 6,260,329	\$ 1,958,980	\$ 849,191	\$ 4,744,259	\$ 2,275,608	\$ 680,391	\$ -	\$ 54,038,382
-	-	-	-	-	-	-	-	-	534,620
-	-	-	-	-	-	-	-	-	80,000
-	-	-	-	-	-	-	-	-	1,000,000
-	-	-	-	-	-	-	-	-	1,390,000
-	-	-	-	-	-	-	-	-	5,008,160
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,012,780
\$ 6,010,955	\$ 1,729,173	\$ 6,260,329	\$ 1,958,980	\$ 849,191	\$ 4,744,259	\$ 2,275,608	\$ 680,391	\$ -	\$ 46,025,602

2020 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Capital Projects	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	4,118,226	2,982,270	-	2,409,790	3,439,443	7,517,136	143,972	905,859
Current Year	1,191,110	-	1,560,730	-	979,490	1,113,910	558,510	274,890	174,070
Interest on Beginning Balance	-	-	-	-	113,260	161,650	353,310	6,770	42,580
HUTF Revenue Allocated to Street Maintenance	2,063,360	-	-	-	-	-	-	-	-
Transportation Fee	-	-	-	3,095,050	-	-	-	-	-
Other Revenue less Operating Expense	-	-	-	-	-	-	-	-	-
Funding for Operating and Maintenance Reserve Annual Contribution	-	-	-	-	-	-	-	-	-
Total Resources	\$ 3,254,470	\$ 4,118,226	\$ 4,543,000	\$ 3,095,050	\$ 3,502,540	\$ 4,715,003	\$ 8,428,956	\$ 425,632	\$ 1,122,509

Project Requests 2020

Facility Maintenance Capital (Building Maintenance Projects)	411,130	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Roof Replacement Program)	225,000	-	-	-	-	-	-	-	-
Transportation Program	-	373,000	-	-	1,101,000	-	-	-	-
Fairgrounds Park Phase II	554,980	-	-	-	-	347,520	-	-	-
Neighborhood Parks	-	-	-	-	-	250,000	-	-	-
Kroh Park	-	-	-	-	-	470,000	-	-	-
Street Maintenance	2,063,360	-	-	3,095,040	-	-	-	-	-
Total 2020 Project Costs	\$ 3,254,470	\$ 373,000	\$ -	\$ 3,095,040	\$ 1,101,000	\$ 1,067,520	\$ -	\$ -	\$ -
2020 Ending Balance	\$ -	\$ 3,745,226	\$ 4,543,000	\$ 10	\$ 2,401,540	\$ 3,647,483	\$ 8,428,956	\$ 425,632	\$ 1,122,509

2021 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Capital Projects	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	3,745,226	4,543,000	10	2,401,540	3,647,483	8,428,956	425,632	1,122,509
Current Year	1,333,390	-	1,638,310	-	1,008,870	1,136,190	569,680	280,390	177,550
Interest on Beginning Balance	-	-	-	-	115,270	175,080	404,590	20,430	53,880
HUTF Revenue Allocated to Street Maintenance	2,125,260	-	-	-	-	-	-	-	-
Transportation Fee	-	-	-	3,187,900	-	-	-	-	-
Other Revenue less Operating Expense	-	-	-	-	-	-	-	-	-
Funding for Operating and Maintenance Reserve Annual Contribution	-	-	-	-	-	-	-	-	-
Total Resources	\$ 3,458,650	\$ 3,745,226	\$ 6,181,310	\$ 3,187,910	\$ 3,525,680	\$ 4,958,753	\$ 9,403,226	\$ 726,452	\$ 1,353,939

Project Requests 2021

Rec Trail Underpass/Crossing	-	-	-	-	-	-	-	-	1,100,000
Neighborhood Parks	-	-	-	-	-	250,000	-	-	-
Kroh Park- Phase II	-	-	-	-	-	1,730,000	-	-	-
Facility Maintenance Capital (Building Maintenance Projects)	658,390	-	-	-	-	-	-	-	-
Transportation Program	-	412,800	-	-	1,246,200	-	-	-	-
New Street Sweeper	-	-	-	-	-	-	-	-	-
Cold Planer Replacement	675,000	-	-	-	-	-	-	-	-
Street Maintenance	2,125,260	-	-	3,187,890	-	-	-	-	-
Total 2021 Project Costs	\$ 3,458,650	\$ 412,800	\$ -	\$ 3,187,890	\$ 1,246,200	\$ 1,980,000	\$ -	\$ -	\$ 1,100,000
2021 Ending Balance	\$ -	\$ 3,332,426	\$ 6,181,310	\$ 20	\$ 2,279,480	\$ 2,978,753	\$ 9,403,226	\$ 726,452	\$ 253,939

Gen. Govt. CEF	Fire CEF	Police CEF	Library	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
6,010,955	1,729,173	6,260,329	1,958,980	849,191	4,744,259	2,275,608	680,391	-	46,025,582
215,580	179,170	122,120	225,940	182,100	500,000	52,930	-	-	7,330,550
282,510	81,270	294,240	92,070	39,910	222,980	106,950	31,980	-	1,829,480
-	-	-	-	-	-	-	-	-	2,063,360
-	-	-	-	-	-	-	-	-	3,095,050
-	-	-	-	-	(236,970)	-	(347,491)	-	(584,461)
\$ 6,509,045	\$ 1,989,613	\$ 6,676,689	\$ 2,276,990	\$ 1,071,201	\$ 5,230,269	\$ 2,435,488	\$ 364,880	\$ -	\$ 59,759,561
-	-	-	-	-	-	-	-	-	411,130
-	-	-	-	-	-	-	-	-	225,000
-	-	-	-	-	-	-	-	-	1,474,000
-	-	-	-	-	-	-	-	-	902,500
-	-	-	-	-	-	-	-	-	250,000
-	-	-	-	-	-	-	-	-	470,000
-	-	-	-	-	-	-	-	-	5,158,400
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,891,030
\$ 6,509,045	\$ 1,989,613	\$ 6,676,689	\$ 2,276,990	\$ 1,071,201	\$ 5,230,269	\$ 2,435,488	\$ 364,880	\$ -	\$ 50,868,531
Gen. Govt. CEF	Fire CEF	Police CEF	Library	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
6,509,045	1,989,613	6,676,689	2,276,990	1,071,201	5,230,269	2,435,488	364,880	-	50,868,531
222,050	184,550	125,780	230,460	185,740	500,000	52,930	-	-	7,645,890
312,430	95,500	320,480	109,300	51,420	251,050	116,900	17,510	-	2,043,840
-	-	-	-	-	-	-	-	-	2,125,260
-	-	-	-	-	-	-	-	-	3,187,900
-	-	-	-	-	(245,260)	-	(382,390)	-	(627,650)
\$ 7,043,525	\$ 2,269,663	\$ 7,122,949	\$ 2,616,750	\$ 1,308,361	\$ 5,736,059	\$ 2,605,318	\$ -	\$ -	\$ 65,243,771
-	-	-	-	-	-	-	-	-	1,100,000
-	-	-	-	-	-	-	-	-	250,000
-	-	-	-	-	-	-	-	-	1,730,000
-	-	-	-	-	-	-	-	-	658,390
-	-	-	-	-	-	-	-	-	1,659,000
-	-	-	-	-	-	-	-	-	675,000
-	-	-	-	-	-	-	-	-	5,313,150
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,385,540
\$ 7,043,525	\$ 2,269,663	\$ 7,122,949	\$ 2,616,750	\$ 1,308,361	\$ 5,736,059	\$ 2,605,318	\$ -	\$ -	\$ 53,858,231

2022 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Capital Projects	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	3,332,426	6,181,310	20	2,279,480	2,978,753	9,403,226	726,452	253,939
Current Year	681,430	-	1,719,850	-	1,039,140	1,158,910	581,070	286,000	181,100
Interest on Beginning Balance	-	-	-	-	109,420	142,980	451,350	34,870	12,190
HUTF Revenue Allocated to Street Maintenance	2,189,010	-	-	-	-	-	-	-	-
Transportation Fee	-	-	-	3,283,530	-	-	-	-	-
Other Revenue less Operating Expense	-	-	-	-	-	-	-	-	-
Funding for Operating and Maintenance Reserve Annual Contribution	-	-	-	-	-	-	-	-	-
Total Resources	\$ 2,870,440	\$ 3,332,426	\$ 7,901,160	\$ 3,283,550	\$ 3,428,040	\$ 4,280,643	\$ 10,435,646	\$ 1,047,322	\$ 447,229
Project Requests 2022									
Neighborhood Parks	-	-	-	-	-	1,900,000	-	-	-
Open Lands	-	-	-	-	-	-	-	800,000	-
Facility Maintenance Capital (Building Maintenance Projects)	681,430	-	-	-	-	-	-	-	-
Transportation Program	-	475,500	-	-	1,041,500	-	-	-	-
Street Maintenance	2,189,010	-	-	3,283,530	-	-	-	-	-
Total 2022 Project Costs	\$ 2,870,440	\$ 475,500	\$ -	\$ 3,283,530	\$ 1,041,500	\$ 1,900,000	\$ -	\$ 800,000	\$ -
2022 Ending Balance	\$ -	\$ 2,856,926	\$ 7,901,160	\$ 20	\$ 2,386,540	\$ 2,380,643	\$ 10,435,646	\$ 247,322	\$ 447,229
Total All Years Project Costs	\$ 30,054,300	\$ 3,936,760	\$ 4,600,000	\$ 28,849,440	\$ 9,834,360	\$ 11,156,280	\$ 2,900,000	\$ 3,921,250	\$ 2,375,230

Gen. Govt. CEF	Fire CEF	Police CEF	Library	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
7,043,525	2,269,663	7,122,949	2,616,750	1,308,361	5,736,059	2,605,318	-	-	53,858,231
228,710	190,090	129,550	235,070	189,450	500,000	52,930	-	-	7,173,300
338,090	108,940	341,900	125,600	62,800	275,330	125,060	-	-	2,128,530
-	-	-	-	-	-	-	-	-	2,189,010
-	-	-	-	-	-	-	-	-	3,283,530
-	-	-	-	-	-	-	-	-	-
\$ 7,610,325	\$ 2,568,693	\$ 7,594,399	\$ 2,977,420	\$ 1,560,611	\$ 6,511,389	\$ 2,783,308	\$ -	\$ -	\$ 68,632,601
-	-	-	-	-	-	-	-	-	1,900,000
-	-	-	-	-	-	-	-	-	800,000
-	-	-	-	-	-	-	-	-	681,430
-	-	-	-	-	-	-	-	-	1,517,000
-	-	-	-	-	-	-	-	-	5,472,540
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,370,970
\$ 7,610,325	\$ 2,568,693	\$ 7,594,399	\$ 2,977,420	\$ 1,560,611	\$ 6,511,389	\$ 2,783,308	\$ -	\$ -	\$ 58,261,631
\$ 4,910,360	\$ 5,833,500	\$ -	\$ -	\$ 2,828,140	\$ 1,598,740	\$ 745,000	\$ 13,164,250	\$ 14,537,280	\$ 141,244,890

Power Enterprise
2013-2022 Capital Program

	2013	2014	2015	2016	2017	Five Year Total
Revenue						
Beginning Balance	15,229,517	14,177,768	11,512,763	11,417,523	10,737,203	15,229,517
Fee Revenue	3,728,741	4,494,975	4,515,500	4,436,680	4,408,070	21,583,966
PIF Revenue	1,661,920	1,742,620	1,829,880	1,921,710	2,016,900	9,173,030
Total Revenue	20,620,178	20,415,363	17,858,143	17,775,913	17,162,173	45,986,513
Expense						
Hydro Generation	66,610	939,960	25,550	13,220	-	1,045,340
System Improvements	968,330	1,235,690	1,129,160	592,110	1,318,730	5,244,020
Customer Aide To Construction	646,890	669,530	692,960	717,210	742,310	3,468,900
Miscellaneous Feeder Extensions	225,040	232,920	321,400	415,810	2,237,710	3,432,880
Partnering With Power	30,000	31,050	32,140	33,260	34,430	160,880
200 Amp Projects	125,210	129,590	187,690	249,690	315,810	1,007,990
Substation Security	200,000	207,000	214,250	221,740	-	842,990
Miscellaneous Substation Projects	1,372,900	1,190,250	1,167,640	665,230	2,799,960	7,195,980
Misc. Electric Relocations - Road Related Projects	196,530	203,410	210,520	217,890	225,520	1,053,870
Airport Sub to the Promenade Shops	683,260	-	-	-	-	683,260
Fifth Street and Boyd Lake Avenue	570,000	-	-	-	-	570,000
Feeder on Van Buren Avenue	670,250	-	-	-	-	670,250
First Street and Taft Avenue	-	1,724,100	-	-	-	1,724,100
Taft Avenue near the Olde Course	-	1,208,050	-	-	-	1,208,050
West of Cattail Pond	-	621,170	-	-	-	621,170
Canyon Conversion	-	-	-	277,180	888,470	1,165,650
Streetlight Projects	240,390	248,800	257,510	266,530	275,860	1,289,090
Highway 402 Feeder Extension	-	-	2,142,450	3,326,150	-	5,468,600
Misc. General Plant Projects	447,000	261,080	59,350	42,690	49,630	859,750
Total Expense	6,442,410	8,902,600	6,440,620	7,038,710	8,888,430	37,712,770
Reserve for Capital Projects	14,177,768	11,512,763	11,417,523	10,737,203	8,273,743	8,273,743

2018	2019	2020	2021	2022	Ten Year Total	Project Page #
8,273,743	8,163,307	6,850,079	3,581,793	1,584,628	15,229,517	
4,223,900	4,064,959	3,803,396	3,431,939	3,085,981	40,194,142	
2,116,960	2,222,140	2,332,630	2,447,110	2,567,400	20,859,270	
14,614,603	14,450,406	12,986,105	9,460,842	7,238,009	76,282,928	
-	-	-	312,740	-	1,358,080	22-73
497,890	515,320	3,077,890	3,179,030	3,297,130	15,811,280	22-74
768,300	795,190	823,020	851,820	881,640	7,588,870	22-75
2,226,960	614,670	1,899,430	724,290	2,623,630	11,521,860	22-76
35,630	36,880	38,170	39,500	40,890	351,950	22-77
326,860	338,300	350,140	362,400	375,080	2,760,770	22-78
-	-	-	-	-	842,990	22-79
308,800	2,347,880	2,595,450	1,764,520	-	14,212,630	22-80
233,410	241,580	250,040	258,790	908,750	2,946,440	22-81
-	-	-	-	-	683,260	22-82
-	-	-	-	-	570,000	22-83
-	-	-	-	-	670,250	22-84
-	-	-	-	-	1,724,100	22-85
-	-	-	-	-	1,208,050	22-86
-	-	-	-	-	621,170	22-87
1,707,890	2,352,860	-	-	-	5,226,400	22-88
285,510	295,500	305,850	316,550	327,640	2,820,140	22-89
-	-	-	-	-	5,468,600	22-90
60,046	62,147	64,322	66,574	68,904	1,181,743	22-91
6,451,296	7,600,327	9,404,312	7,876,214	8,523,664	77,568,583	
8,163,307	6,850,079	3,581,793	1,584,628	(1,285,655)	(1,285,655)	

**Storm Water Enterprise
2013-2022 Capital Program**

	2013	2014	2015	2016	2017	Five Year Total
Revenue						
Beginning Balance	2,272,353	1,962,423	1,110,113	1,478,033	2,090,833	2,272,353
Rate Revenue	1,297,700	1,121,560	1,128,320	1,154,810	1,102,980	5,805,370
SIF Revenue	182,370	186,930	191,600	196,390	201,300	958,590
Total Revenue	3,752,423	3,270,913	2,430,033	2,829,233	3,395,113	9,036,313
Expense						
South Loveland Outfall Phase III	-	-	-	-	-	-
29th & Monroe Outfall	1,000,000	-	-	-	-	1,000,000
Madison Avenue Outfall	-	500,000	-	-	-	500,000
Service Center Phase III Lon Hagler	-	-	-	-	-	-
Basin Improvements	-	-	-	-	-	-
Maintenance Projects	250,000	250,000	250,000	250,000	250,000	1,250,000
Airport Basin Master Plan Improvements	-	1,100,000	-	-	-	1,100,000
Boyd Lake Outlet Ditch	-	-	135,000	-	787,500	922,500
Equipment Replacement	540,000	310,800	567,000	488,400	315,000	2,221,200
Total Expense	1,790,000	2,160,800	952,000	738,400	1,352,500	6,993,700
Reserve for Capital Projects	1,962,423	1,110,113	1,478,033	2,090,833	2,042,613	2,042,613

2018	2019	2020	2021	2022	Ten Year Total	Project Page #
2,042,613	2,842,793	3,160,633	3,143,033	4,039,613	2,272,353	
1,524,850	1,556,850	1,238,920	1,525,680	1,563,660	19,020,700	
206,330	211,490	216,780	222,200	227,760	2,043,150	
3,773,793	4,611,133	4,616,333	4,890,913	5,831,033	23,336,203	
<hr/>						
-	68,000	870,300	349,300	4,470,900	5,758,500	22-57
-	-	-	-	-	1,000,000	22-56
-	-	-	-	-	500,000	22-58
25,000	275,000	-	-	-	300,000	22-59
250,000	250,000	250,000	250,000	250,000	2,500,000	22-60
-	-	-	-	-	1,100,000	22-61
-	-	-	-	-	922,500	22-62
656,000	857,500	353,000	252,000	382,000	4,721,700	22-63
931,000	1,450,500	1,473,300	851,300	5,102,900	16,802,700	
2,842,793	3,160,633	3,143,033	4,039,613	728,133	6,533,503	

**Water Enterprise
2013-2022 Capital Program**

	2013	2014	2015	2016	2017	Five Year Total
Revenue						
Beginning Balance	8,629,920	18,205,040	14,098,335	11,537,182	13,367,303	8,629,920
Fee Revenue	-	995,565	2,274,888	3,846,451	5,221,583	12,338,486
Bond Proceeds	15,000,000	-	-	-	-	15,000,000
PIF Revenue	1,155,500	1,387,890	1,641,600	1,750,010	1,815,130	7,750,130
Total Revenue	24,785,420	20,588,495	18,014,822	17,133,643	20,404,016	43,718,536
Expense						
Water General Plant Projects	620,500	124,770	106,620	74,100	45,210	971,200
Water Line Replacements	2,028,880	2,101,450	1,960,870	2,125,670	2,362,300	10,579,170
Extension and Oversizing Projects	75,000	78,190	81,510	84,970	88,590	408,260
Morning Dr. Alt. 30" Water Line	155,000	-	-	-	-	155,000
Morning Dr Pump Station	-	-	-	-	-	-
East Gravity Zone Discharge	-	-	-	-	396,280	396,280
29th St Storage Tank #2	-	-	-	-	480,280	480,280
New Water Lines	-	-	-	127,560	422,340	549,900
Southwest Booster Station	-	-	-	-	-	-
Transmission & Dist. Projects	81,000	136,580	88,030	91,770	95,680	493,060
Projects Coordinated with Public Works	-	-	-	-	-	-
Water Treatment Plant Projects	924,800	60,150	43,470	453,200	-	1,481,620
Filter Plant #2 Improvements	1,046,800	-	135,740	-	105,000	1,287,540
Solids Handling	-	-	-	-	-	-
Filter Plant Expansion	598,400	3,385,210	3,529,080	-	-	7,512,690
Chemical Building	-	-	-	809,070	4,639,080	5,448,150
Electrical Improvements	-	603,810	532,320	-	-	1,136,130
Lagoon 8	1,050,000	-	-	-	-	1,050,000
Lagoon 9	-	-	-	-	-	-
Total Expense	6,580,380	6,490,160	6,477,640	3,766,340	8,634,760	31,949,280
Reserve for Capital Projects	18,205,040	14,098,335	11,537,182	13,367,303	11,769,256	11,769,256

**Raw Water Enterprise
2013-2022 Capital Program**

	2013	2014	2015	2016	2017	Five Year Total
Revenue						
Beginning Balance	20,415,520	21,151,600	22,056,060	1,892,890	22,056,060	20,415,520
Fee Revenue	1,854,080	1,700,930	2,116,360	2,178,020	2,579,850	10,429,240
Total Revenue	22,269,600	22,852,530	24,172,420	4,070,910	24,635,910	30,844,760
Expense						
Court Transfer Actions	-	-	-	113,300	-	113,300
Windy Gap Firming Project	618,000	275,220	21,736,130	-	-	22,629,350
Colorado Big Thompson Water Purchases	500,000	521,250	543,400	566,500	590,570	2,721,720
Trade Water Rights- 402 Corridor	-	-	-	-	-	-
Total Expense	1,118,000	796,470	22,279,530	679,800	590,570	25,464,370
Reserve for Capital Projects	21,151,600	22,056,060	1,892,890	3,391,110	24,045,340	5,380,390

2018	2019	2020	2021	2022	Ten Year Total	Project Page #
11,769,256	7,811,681	7,986,596	9,117,260	12,702,458	8,629,920	
8,140,526	8,179,895	8,416,225	8,694,018	8,727,608	54,496,756	
-	-	-	-	-	15,000,000	
1,929,130	2,060,180	2,188,010	2,212,440	2,350,260	18,490,150	
21,838,911	18,051,756	18,590,830	20,023,718	23,780,326	96,616,826	
					971,200	22-120
2,462,690	2,567,360	1,605,880	2,790,220	2,908,800	22,914,120	22-121
92,350	96,280	100,370	104,630	109,080	910,970	22-122
-	282,170	3,907,220	-	-	4,344,390	22-123
-	221,310	1,066,630	-	-	1,287,940	22-124
2,819,780	3,189,940	200,740	1,150,960	-	7,757,700	22-125
3,276,370	3,415,620	-	-	-	7,172,270	22-126
374,620	-	-	-	-	924,520	22-127
-	-	267,650	2,790,220	-	3,057,870	22-128
99,740	103,970	108,400	113,010	117,810	1,035,990	22-129
65,450	188,510	1,146,100	-	-	1,400,060	22-130
-	-	-	-	132,210	1,613,830	22-131
-	-	-	-	-	1,287,540	22-132
-	-	-	372,220	4,268,230	4,640,450	22-133
-	-	-	-	-	7,512,690	22-134
4,836,230	-	-	-	-	10,284,380	22-135
-	-	-	-	-	1,136,130	22-136
-	-	-	-	-	1,050,000	22-137
-	-	1,070,580	-	-	1,070,580	22-138
14,027,230	10,065,160	9,473,570	7,321,260	7,536,130	80,372,630	
7,811,681	7,986,596	9,117,260	16,702,458	16,244,196	16,244,196	

2018	2019	2020	2021	2022	Ten Year Total	Project Page #
3,391,110	6,137,620	8,646,700	12,329,470	16,541,840	20,415,520	
3,362,180	3,844,110	4,351,890	4,909,930	5,483,660	32,381,010	
6,753,290	9,981,730	12,998,590	17,239,400	22,025,500	52,796,530	
-	-	-	-	-	113,300	22-92
-	-	-	-	-	22,629,350	22-93
615,670	641,840	669,120	697,560	727,200	6,073,110	22-94
-	693,190	-	-	-	693,190	22-95
615,670	1,335,030	669,120	697,560	727,200	29,508,950	
6,137,620	8,646,700	12,329,470	16,541,840	21,298,300	23,287,580	

**Wastewater Enterprise
2013-2022 Capital Program**

	2013	2014	2015	2016	2017	Five Year Total
Revenue						
Beginning Balance	9,662,674	6,885,310	6,148,946	5,695,093	4,901,922	9,662,674
Fee Revenue	82,236	1,824,567	2,589,247	7,631,769	2,947,883	15,075,700
PIF Revenue	810,000	1,078,520	1,266,630	1,344,650	1,361,750	5,861,550
Total Revenue	10,554,910	9,788,396	10,004,823	14,671,512	9,211,554	30,599,924
Expense						
Misc. Treatment Plant Projects	150,000	1,042,500	-	-	38,980	1,231,480
New Laboratory Building	-	-	193,560	2,220,900	-	2,414,460
Digester Projects	1,313,600	414,600	1,312,430	-	-	3,040,630
Blower and Diffusers	-	95,180	944,870	-	-	1,040,050
Nutrient Treatment Facilities	-	-	571,550	1,997,470	4,056,890	6,625,910
Aeration Basin	-	-	-	-	351,980	351,980
Primary Clarifier	-	-	-	-	-	-
Trickling Filter Demolition	-	-	-	-	-	-
Sludge Dewatering	-	-	-	-	-	-
Future Digester	-	-	-	-	-	-
Channel Bar Screen Replacement	-	-	-	645,810	531,520	1,177,330
Digester Building Compliance	900,000	573,380	-	-	-	1,473,380
Projects	75,000	78,190	81,510	84,970	88,590	408,260
Fairgrounds/Namaqua Interceptor	-	677,630	-	-	-	677,630
Boyd Interceptor Projects	-	-	-	-	112,210	112,210
Projects	200,000	375,300	391,250	226,600	236,230	1,429,380
Hwy 402 Wastewater Main Extension	-	-	434,720	4,531,980	-	4,966,700
North Horseshoe Lift Station Upgrades	-	-	-	-	-	-
South Side Lift Station Force Main	-	-	-	-	-	-
East Side Discharge Trunk	-	-	-	-	-	-
Collection System Corrosion Control	400,000	312,750	326,040	-	-	1,038,790
East Side Lift Station Upgrades	-	-	-	-	-	-
Misc. Lift Station Projects	370,000	-	-	-	-	370,000
Misc. General Plant Projects	261,000	69,920	53,800	61,860	48,980	495,560
Total Expense	3,669,600	3,639,450	4,309,730	9,769,590	5,465,380	26,853,750
Reserve for Capital Projects	6,885,310	6,148,946	5,695,093	4,901,922	3,746,174	3,746,174

2018	2019	2020	2021	2022	Ten Year Total	Project Page #
3,746,174	2,169,986	29,234	2,603,615	2,421,693	9,662,674	
3,686,332	4,719,998	5,526,861	6,817,438	9,035,891	44,862,220	
1,725,740	1,441,840	1,526,400	1,615,650	1,632,620	1,728,680	
9,158,246	8,331,824	7,082,495	11,036,703	13,090,204	56,253,574	
349,210	-	495,820	-	-	2,076,510	22-96
-	-	-	-	-	2,414,460	22-97
-	-	-	-	-	3,040,630	22-98
-	-	-	-	-	1,040,050	22-99
-	-	-	-	-	6,625,910	22-100
4,035,490	-	-	-	-	4,387,470	22-101
330,370	2,825,250	-	-	-	3,155,620	22-102
56,770	636,320	-	-	-	693,090	22-103
-	604,870	3,441,070	3,487,980	-	7,533,920	22-104
-	-	-	-	7,783,380	7,783,380	22-105
-	-	-	-	-	1,177,330	22-106
-	-	-	-	-	1,473,380	22-107
92,350	96,280	100,370	104,630	109,080	910,970	22-108
-	-	-	-	-	677,630	22-109
1,471,460	1,412,050	173,970	2,371,690	436,320	5,977,700	22-110
246,270	256,740	267,650	279,020	290,880	2,769,940	22-111
-	-	-	-	-	4,966,700	22-112
147,760	802,300	-	-	-	950,060	22-113
258,580	1,668,780	-	-	-	1,927,360	22-114
-	-	-	1,569,500	-	1,569,500	22-115
-	-	-	-	-	1,038,790	22-116
-	-	-	802,190	-	802,190	22-117
-	-	-	-	-	370,000	22-118
-	-	-	-	-	495,560	22-119
6,988,260	8,302,590	4,478,880	8,615,010	8,619,660	63,858,150	
2,169,986	29,234	2,603,615	2,421,693	4,470,544	(7,604,576)	

Museum Expansion

Department:
Cultural Services / Public Works

Division:
Museum

Project Manager:
Ken Cooper

Phone Number:
970.962.2635

Email:
coopek@ci.loveland.co.us

Project Category:
TBD

Project Number:
TBD

Duration:
2014- 2015

About the Project

In May 2007, the Home State Bank property was purchased as a site for future expansion of the Loveland Museum/Gallery. The building is currently being used to address pressing space needs for: youth and adults classes; storage of approximately 10,000 historic objects; and a Fire Exhibit. However, a development proposal for the site may require a relocation, currently proposed to the south of the existing Museum.

Museum and Facilities staff have completed an assessment of exhibit, programming, and collection storage needs. A draft space allocation plan has been completed. While much planning and public input still remain, suggestions have been received from citizens and some other City departments, such as Police and Fire. Strong interest has also been expressed in a children's "museum" component.

At a study session in December, 2011, direction was received from City Council to proceed with selection of an architect to develop conceptual plans and to hire a Development Administrator to begin a capital campaign.

The expansion project will approximately double the size of the Museum. Figures below assume:

- 10% for design/architecture/engineering
- 65% for construction
- 7% for furniture/fixtures/equipment
- 5% for permits/fees
- 13% for contingency



Funding Sources

Revenue	Gen. Gov. CEF	Cult. Svc. CEF	Outside Revenue	Total
2014	\$0	\$2,328,140	\$0	\$2,328,140
2015	\$2,692,820	\$500,000	\$10,000,000	\$13,192,820
Total	\$2,692,820	\$2,828,140	\$10,000,000	\$15,520,960

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2014	\$2,328,140	\$0	\$2,328,140
2015	\$0	\$13,192,820	\$13,192,820
Total	\$2,328,140	\$13,192,820	\$15,520,960

Estimated Initial Operations Impact

	Personnel	Supplies	Purchased Services	Facilities Management	Total	FTE
2016	\$351,000	\$50,000	\$30,000	\$131,000	\$562,000	6.35
Total	\$351,000	\$50,000	\$30,000	\$131,000	\$562,000	6.35

Total Project Cost:
\$15,520,960

Fire Apparatus Replacement

Department:
Fire & Rescue

Division:
Suppression

Project Manager:
Greg Ward

Phone Number:
970-962-2497

Email:
wardg@ci.loveland.co.us

Project Category:
TBD

Project Number:
TBD

Duration:
2014 – 2016

Total Project Cost: **\$2,205,000**

About the Project

Replacement of existing fire apparatus.

The replacements are as follows:
2014 – Smeal Ladder Truck – Truck 6
2015 – Refurbish the 2000 Smeal Ladder Truck for reserve status
2016 – Smeal Engine



Funding Sources

Revenue	General Fund	Total
2014	\$1,200,000	\$1,200,000
2015	\$475,000	\$475,000
2016	\$530,000	\$530,000
Total	\$2,205,000	\$2,205,000

Project Cost Estimates By Year

Elements	Planning	Capital	Total
2014	\$0	\$1,200,000	\$1,200,000
2015	\$0	\$475,000	\$475,000
2016	\$0	\$530,000	\$530,000
Total	\$0	\$2,205,000	\$2,205,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2017*					
Total					

* Operations costs would be absorbed and are not considered to be substantially more than the equipment that is being replaced.

Construction of a New Fire Station 2 and Apparatus For North West Coverage

Department:
Fire & Rescue

Division:
Suppression

Project Manager:
Ned Sparks

Phone Number:
970.962.2488

Email:
sparkn@ci.loveland.co.us

Project Category:
TBD

Project Number:
TBD

Duration:
2013

Total Project Cost: **\$3,534,500**

About the Project

In 2013, the Department is looking at a new station in the northwest part of the city. The placement of the station using the current station location program places a majority of the station's service area covering open space or mutual/auto aid districts. The option best serving the community would be to move Station 2 from Taft



Photo by Mike Melton ©

Avenue to Wilson Avenue and 29th Street and place a second heavy rescue truck company in Station 2 to increase the coverage to meet a growing service need. The station is expected to be 11,885 sq ft @ \$191/sq ft for \$2,270,000. The general conditions costs are expected to be \$230,000 and the site costs are expected to be \$400,000, resulting in a total construction cost of \$2,900,000. This second heavy rescue truck company would also be able to cover Stations 3 and 5 when openings in the system occur. The revised estimate for the heavy rescue truck and the related service equipment is \$634,500. Total costs include personnel and equipment – six new firefighters, three lieutenants and three engineers, \$694,389, and the heavy rescue vehicle maintenance and amortization costs of \$45,000.

Funding Sources

Revenue	Fire CEF	General Fund	Total
2013	\$3,454,800	\$79,700	\$3,534,500
Total	\$3,454,800	\$79,700	\$3,534,500

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2013	\$0	\$3,534,500	\$3,534,500
Total	\$0	\$3,534,500	\$3,534,500

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2014	\$667,780	\$26,610	\$45,000	\$739,390	6
Total	\$667,780	\$26,610	\$45,000	\$739,390	6

Construction of a New Fire Station 10 and Apparatus For West Coverage

Department:
Fire & Rescue

Division:
Suppression

Project Manager:
Ned Sparks

Phone Number:
970.962.2488

Email:
sparkn@ci.loveland.co.us

Project Category:
TBD

Project Number:
TBD

Duration:
2018

Total Project Cost:
\$2,299,000

About the Project

There is need for a station on the west side of the service area to improve response times to meet the five minute standard. It is anticipated that this station would be as far west as Glade Road. The calls dispatched would lessen the impact on Station 3 and Station 2 allowing them to be more responsive to the urban response area.



It is anticipated to be a 9,000 square foot station for west coverage @ \$191/sq ft in construction costs or \$1,719,000, \$230,000 for general conditions and \$350,000 for site costs. Existing apparatus in the system would be reassigned this new station.

Funding Sources

Revenue	Fire CEF	Total
2018	\$2,299,000	\$2,299,000
Total	\$2,299,000	\$2,299,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2018	\$0	\$2,299,000	\$2,299,000
Total	\$0	\$2,299,000	\$2,299,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2019	\$937,670	\$42,760	\$0	\$980,430	9
Total	\$937,670	\$42,760	\$0	\$980,430	9

Open Land Acquisition & Restoration

Department:
Parks & Recreation

Division:
Open Lands

Project Manager:
Brian Hayes

Phone Number:
970.962.2726

Email:
hayesb@ci.loveland.co.us

Project Category:
Land

Project Number:
Annual Program

Duration:
2013-2022

Total Project Cost: **\$17,085,500**

About the Project

Acquisition of properties to conserve natural sites, wildlife habitat and open land in and around Loveland, funded with a Larimer County Open Space Tax that ends in 2018. Priorities are indicated in the Open Lands Master Plan. The number one priority for acquisition is properties along the Big Thompson River. Restoration and development priorities are for public access and habitat improvement.



Big Thompson River

Funding Sources

Revenue	Open Space CEF	Open Space Sales Tax	Total
2013	\$1,290,000	\$1,975,000	\$3,265,000
2014	\$0	\$949,050	\$949,050
2015	\$831,250	\$4,390,200	\$5,221,450
2016	\$0	\$4,450,000	\$4,450,000
2017	\$0	\$1,400,000	\$1,400,000
2018	\$0	\$0	\$0
2019	\$1,000,000	\$0	\$1,000,000
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$800,000	\$0	\$800,000
Total	\$3,921,250	\$13,164,250	\$17,085,500

Project Cost Estimates By Year

Elements	Land	Planning	Construction	Total
2013	\$3,115,000	\$0	\$150,000	\$3,265,000
2014	\$949,050	\$0	\$0	\$949,050
2015	\$4,321,450	\$0	\$900,000	\$5,221,450
2016	\$4,450,000	\$0	\$0	\$4,450,000
2017	\$900,000	\$0	\$500,000	\$1,400,000
2018	\$0	\$0	\$0	\$0
2019	\$1,000,000	\$0	\$0	\$1,000,000
2020	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0
2022	\$800,000	\$0	\$0	\$800,000
Total	\$15,535,500	\$0	\$1,550,000	\$17,085,500

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Fixed Costs	Total	FTEs
2023*						
Total						

*Dependent upon site development

Recreation Trail

Department:
Parks & Recreation

Division:
Trails

Project Manager:
Janet Meisel-Burns

Phone Number:
970.962.2451

Email:
meisej@ci.loveland.co.us

Project Category:
Construction

Project Number:
Annual Program

Duration:
2013-2021

Total Project Cost: **\$3,973,970**

About the Project

Complete the remaining 4 miles of the City's recreation trail loop and start spur trails. Trail connections are underway in the northern part of town with critical links remaining in the west and southwest parts of town.



Funding Sources

Revenue	Conservation Trust	Trail CEF	Total
2013	\$283,770	\$600,000	\$883,770
2014	\$200,000	\$366,330	\$566,330
2015	\$331,730	\$0	\$331,730
2016	\$616,910	\$475,230	\$1,092,140
2021	\$0	\$1,100,000	\$1,100,000
Total	\$1,432,410	\$2,541,560	\$3,973,970

Project Cost Estimates By Year

Elements	Planning	Construction	Equipment	Total
2013	\$0	\$883,770	\$0	\$883,770
2014	\$0	\$566,330	\$0	\$566,330
2015	\$0	\$331,730	\$0	\$331,730
2016	\$0	\$1,092,140	\$0	\$1,092,140
2021	\$0	\$1,100,000	\$0	\$1,100,000
Total	\$0	\$3,973,970	\$0	\$3,973,970

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Fixed Costs	Total	FTEs
2022*						
Total						

*No additional operating funding requested at this time.

Fairgrounds Park Expansion

Department:
Parks & Recreation

Division:
Park

Project Manager:
Gary Havener

Phone Number:
970.962.2456

Email:
haveng@ci.loveland.co.us

Project Category:
TBD

Project Number:
TBD

Duration:
2019-2020

Total Project Cost:

\$1,862,500

About the Project

Development of areas at Fairgrounds Park that were not completed with initial park construction in 2008. Scope of work to include ballfield lighting, site amenities and infrastructure. Development of arena area and realignment of fields to connect the river corridor with downtown.



Ballfield at Fairgrounds Park

Funding Sources

Revenue	General Fund	Park CEF	Rec CEF	Total
2013	\$0	\$0	\$450,000	\$450,000
2015	\$510,000	\$0	\$0	\$510,000
2020	\$554,980	\$347,520	\$0	\$902,500
Total	\$1,064,980	\$347,520	\$450,000	\$1,862,500

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2013	\$0	\$450,000	\$450,000
2015	\$0	\$510,000	\$510,000
2020	\$0	\$902,500	\$902,500
Total	\$0	\$1,862,500	\$1,862,500

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2014	\$0	\$0	\$5,550	\$5,550	
2021	\$21,000	\$3,600	\$5,400	\$30,000	0.38
Total	\$21,000	\$3,600	\$10,950	\$35,550	0.38

An additional \$12,000 in new revenues is anticipated from site reservations and additional tournaments and league play. \$5,000 in revenues is anticipated from arena event revenue.

Loveland Sports Park

Department:
Parks & Recreation

Division:
Park

Project Manager:
Gary Havener

Phone Number:
970.962.2456

Email:
haveng@ci.loveland.co.us

Project Category:
TBD

Project Number:
TBD

Duration:
2014 - 2015

Total Project Cost: **\$3,283,760**

About the Project

Phase II development of the east side (21 acres) of the Loveland Sports Park to include additional skate park features & lighting, additional multi-purpose sports fields, a restroom, shelters(2) building, parking areas, and site amenities.



An additional \$21,000 in new revenues is anticipated from site reservations and additional tournaments and league play.

Funding Sources

Revenue	Parks CEF	Total
2014	\$550,000	\$550,000
2015	\$2,733,760	\$2,733,760
Total	\$3,283,760	\$3,283,760

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2014	\$150,000	\$400,000	\$550,000
2015	\$275,000	\$2,458,760	\$2,733,760
Total	\$425,000	\$2,858,760	\$3,283,760

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2016	\$92,850	\$13,860	\$20,790	\$127,500	1.61
Total	\$92,850	\$13,860	\$20,790	\$127,500	

An additional \$21,000 in new revenue is anticipated from field rentals and special events.

Neighborhood Park Renovations Projects

Department:
Parks & Recreation

Division:
Park

Project Manager:
Gary Havener

Phone Number:
970.962.2456

Email:
haveng@ci.loveland.co.us

Project Category:
Construction

Project Number:
Annual Program

Duration:
2014

Total Project Cost: **\$510,000**

About the Project
Renovation of neighborhood parks to improve safety and address use issues. Projects include shelters and restroom renovations.



Funding Sources

Revenue	Park Improvement Fund	Total
2013	\$305,000	\$305,000
2014	\$205,000	\$205,000
Total	\$510,000	\$510,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2013	\$0	\$305,000	\$305,000
2014	\$0	\$205,000	\$205,000
Total	\$0	\$510,000	\$510,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Fixed Costs	Total	FTEs
2015*						
Total						

*Operations Impact Negligible- Any additional cost to be absorbed into existing operational budget

New Neighborhood Parks

Department:
Parks & Recreation

Division:
Park

Project Manager:
Larry Callihan

Phone Number:
970.962.2547

Email:
callil@ci.loveland.co.us

Project Category:
Construction

Project Number:
TBD

Duration:
2016-2022

Total Project Cost: **\$4,750,000**

About the Project

New neighborhood park acquisition, land and development in areas identified in the Master Plan that are currently not served with a park.



Funding Sources

Revenue	Parks CEF	Total
2016	\$250,000	\$250,000
2017	\$235,000	\$235,000
2018	\$1,865,000	\$1,865,000
2020	\$250,000	\$250,000
2021	\$250,000	\$250,000
2022	\$1,900,000	\$1,900,000
Total	\$4,750,000	\$4,750,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2016	\$250,000	\$0	\$250,000
2017	\$235,000	\$0	\$235,000
2018	\$0	\$1,865,000	\$1,865,000
2020	\$250,000	\$0	\$250,000
2021	\$250,000	\$0	\$250,000
2022	\$0	\$1,900,000	\$1,900,000
Total	\$985,000	\$3,765,000	\$4,750,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2019	\$30,000	\$10,000	\$10,000	\$50,000	.25
Total	\$30,000	\$10,000	\$10,000	\$50,000	.25

North Lake Park Tennis Courts

Department:
Parks & Recreation

Division:
Recreation

Project Manager:
Keven Aggers

Phone Number:
970.962.2449

Email:
aggerk@ci.loveland.co.us

Project Category:
Construction

Project Number:
TBD

Duration:
2013

Total Project Cost:
\$350,000

About the Project

The addition of 3 tennis courts at North Lake Park to accommodate increasing demand for tennis facilities. Thompson School District R2-J will provide half of the capital funding for this project.



Funding Sources

Revenue	Park CEF	Outside Revenue	Total
2013	\$175,000	\$175,000	\$350,000
Total	\$175,000	\$175,000	\$350,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2013	\$50,000	\$300,000	\$350,000
Total	\$50,000	\$300,000	\$350,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Fixed Costs	Total	FTEs
2014	\$1,500	\$1,500	\$0	\$0	\$3,000	
Total	\$1,500	\$1,500	\$0	\$0	\$3,000	

Annual maintenance cost of \$1,000 @ 3 courts= \$3,000. Every 5 years, resurfacing costs of \$5,000.

Osborn Park

Department:
Parks & Recreation

Division:
Parks

Project Manager:

Phone Number:

Email:

Project Category:
Construction

Project Number:
TBD

Duration:
2018

**Total Project
Cost:
\$460,000**

About the Project

This project includes the addition of two tennis and/or pickleball courts adjacent to the existing tennis courts and an ADA accessible public park restroom.



Funding Sources

Revenue	Parks CEF	Total
2018	\$460,000	\$460,000
Total	\$460,000	\$460,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2018	\$20,000	\$440,000	\$460,000
Total	\$20,000	\$440,000	\$460,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2019	\$1,000	\$2,000	\$2,750	\$5,750	
Total	\$1,000	\$2,000	\$2,750	\$5,750	

North Lake Park

Department:
Parks & Recreation

Division:
Parks

Project Manager:

Phone Number:

Email:

Project Category:
Construction

Project Number:
TBD

Duration:
2018

**Total Project
Cost:
\$375,000**

About the Project

Improvements to maintenance facility at North Lake Park, additional picnic shelter, road improvements, 60 car parking spaces, and landscaping improvements.



Funding Sources

Revenue	General Fund	Total
2018	\$375,000	\$375,000
Total	\$375,000	\$375,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2018	\$50,000	\$325,000	\$375,000
Total	\$50,000	\$325,000	\$375,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2019*					
Total					

*Operations Impact Negligible- Any additional cost to be absorbed into existing operational budget

An additional \$3,000 in new revenue is anticipated from fees.

New Recreation Center

Department:
Parks & Recreation

Division:
Recreation

Project Manager:

Phone Number:

Email:

Project Category:
Construction

Project Number:
TBD

Duration:
2014-2022

Total Project Cost: **\$550,000**

About the Project

Perform a feasibility study and acquire land for a recreation center in the northwest section of the City.

Funding Sources

Revenue	Recreation CEF	Total
2014	\$50,000	\$50,000
2015	\$500,000	\$500,000
Total	\$550,000	\$550,000

Project Cost Estimates By Year

Elements	Planning	Land	Total
2014	\$50,000	\$0	\$50,000
2015	\$0	\$500,000	\$500,000
Total	\$50,000	\$500,000	\$550,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2016*					
Total					

*No operations Impact results from the study and land acquisition. Operating impacts are expected to result from construction of a recreation center in the future.

Spray Park

Department:
Parks & Recreation

Division:
Recreation

Project Manager:

Phone Number:

Email:

Project Category:
Construction

Project Number:
TBD

Duration:
2016

**Total Project
Cost:
\$1,900,000**

About the Project

Creation of a spray park at a location to be determined.



Funding Sources

Revenue	Recreation CEF	Total
2016	\$1,900,000	\$1,900,000
Total	\$1,900,000	\$1,900,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2016	\$0	\$1,900,000	\$1,900,000
Total	\$0	\$1,900,000	\$1,900,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2017	\$14,000	\$1,500	\$700	\$16,200	
Total	\$14,000	\$1,500	\$700	\$16,200	

Revenue of \$28,200 is expected per year.

Kroh Park

Department:
Parks & Recreation

Division:
Parks

Project Manager:

Phone Number:

Email:

Project Category:
Construction

Project Number:
TBD

Duration:
2020-2021

**Total Project
Cost:
\$2,200,000**

About the Project

This project is a two phase expansion of Kroh Park.



Funding Sources

Revenue	Parks CEF	Total
2020	\$470,000	\$470,000
2021	\$1,730,000	\$1,730,000
Total	\$2,200,000	\$2,200,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2020	\$0	\$470,000	\$470,000
2021	\$0	\$1,730,000	\$1,730,000
Total	\$0	\$2,200,000	\$2,200,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2022*					
Total					

*Operations impact unknown at this time.

Street Rehabilitation

Department:
Public Works

Division:
Project Engineering

Project Manager:
Dave DeBaere

Phone Number:
970.962.2510

Email:
debaed@ci.loveland.co.us

Project Category:
Annual Program

Project Number:
ENSR09

Duration:
2013-2022

Total Project Cost: **\$48,082,390**

About the Project

The City budgets for annual street maintenance costs. Projects consist of treatment overlays, major reconstruction, and concrete repairs. Funding for the Program is from the Transportation Fee charged to residential and commercial buildings and General Fund resources. This Program significantly extends the life of City streets; improving the ride-ability and reducing the reconstruction costs of existing streets.



Funding Sources

Revenue	General Fund	Transportation Fee	Total
2013	\$1,677,700	\$2,516,550	\$4,194,250
2014	\$1,728,030	\$2,592,050	\$4,320,080
2015	\$1,779,870	\$2,669,810	\$4,449,680
2016	\$1,833,270	\$2,749,900	\$4,583,170
2017	\$1,888,270	\$2,832,400	\$4,720,670
2018	\$1,944,920	\$2,917,370	\$4,862,290
2019	\$2,003,260	\$3,004,900	\$5,008,160
2020	\$2,063,360	\$3,095,040	\$5,158,400
2021	\$2,125,260	\$3,187,890	\$5,313,150
2022	\$2,189,020	\$3,283,520	\$5,472,540
Total	\$19,232,960	\$28,849,430	\$48,082,390

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2013	\$0	\$4,194,250	\$4,194,250
2014	\$0	\$4,320,080	\$4,320,080
2015	\$0	\$4,449,680	\$4,449,680
2016	\$0	\$4,583,170	\$4,583,170
2017	\$0	\$4,720,670	\$4,720,670
2018	\$0	\$4,862,290	\$4,862,290
2019	\$0	\$5,008,160	\$5,008,160
2020	\$0	\$5,158,400	\$5,158,400
2021	\$0	\$5,313,150	\$5,313,150
2022	\$0	\$5,472,540	\$5,472,540
Total	\$0	\$48,082,390	\$48,082,390

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Fixed Costs	FTEs
2023*					
Total					

*Information not available.

Downtown Infrastructure

Department:
Public Works

Division:
Project Engineering

Project Manager:
Dave Klockeman

Phone Number:
970.962.2514

Email:
klockd@ci.loveland.co.us

Project Category:
Annual Program

Project Number:
TBD

Duration:
2013- 2017

Total Project Cost: \$4,600,000

About the Project

This is a placeholder implementation of elements within an approved Downtown Master Plan. The numbers shown and the timing shown are subject to change as City Council completes their deliberation.



Funding Sources

Revenue	General Fund Council Reserves	Total
2013	\$1,000,000	\$1,000,000
2014	\$1,000,000	\$1,000,000
2015	\$1,000,000	\$1,000,000
2016	\$1,000,000	\$1,000,000
2017	\$600,000	\$600,000
Total	\$4,600,000	\$4,600,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2013	\$0	\$1,000,000	\$1,000,000
2014	\$0	\$1,000,000	\$1,000,000
2015	\$0	\$1,000,000	\$1,000,000
2016	\$0	\$1,000,000	\$1,000,000
2017	\$0	\$600,000	\$600,000
Total	\$0	\$4,600,000	\$4,600,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Fixed Costs	FTEs
2018*					
Total					

*Information not available.

Facilities Management Capital Projects

Department:
Public Works

Division:
Facilities Management

Project Manager:
Ken Cooper

Phone Number:
970.962.2635

Email:
coopek@ci.loveland.co.us

Project Category:
Annual Program

Project Number:
TBD

Duration:
2013- 2022

Total Project Cost: **\$5,865,640**

About the Project

An annual program to address major building maintenance needs. The Program includes replacement of major building systems, roof replacement and carpet replacement. The annual funding begins at \$500,000 in 2013 and grows with anticipated inflation. Projects are prioritized to remain within the allocation.

This program includes the Police & Courts Building beginning in 2015, for which shared operations and maintenance is provided through an Intergovernmental Agreement with Larimer County.



Funding Sources

Revenue	General Fund	Total
2013	\$500,000	\$500,000
2014	\$517,500	\$517,500
2015	\$535,610	\$535,610
2016	\$554,360	\$554,360
2017	\$573,760	\$573,760
2018	\$593,840	\$593,840
2019	\$614,620	\$614,620
2020	\$636,130	\$636,130
2021	\$658,390	\$658,390
2022	\$681,430	\$681,430
Total	\$5,865,640	\$5,865,640

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2013	\$0	\$500,000	\$500,000
2014	\$0	\$517,500	\$517,500
2015	\$0	\$535,610	\$535,610
2016	\$0	\$554,360	\$554,360
2017	\$0	\$573,760	\$573,760
2018	\$0	\$593,840	\$593,840
2019	\$0	\$614,620	\$614,620
2020	\$0	\$636,130	\$636,130
2021	\$0	\$658,390	\$658,390
2022	\$0	\$681,430	\$681,430
Total	\$0	\$5,865,640	\$5,865,640

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Fixed Costs	FTEs
2023*					
Total					

*No operations impact is expected as a result of this project.

Heavy Equipment Replacement

Department:

Public Works

Division:

Street Maintenance

Project Manager:

Mick Mercer

Phone Number:

970.962.2530

Email:

mercem@ci.loveland.co.us

Project Category:

TBD

Project Number:

TBD

Duration:

2021

Total Project Cost:

\$675,000

About the Project

Replacement of a cold planer milling machine used by the Street Maintenance Division for repairing streets. The funding source is General Fund revenues.



Funding Sources

Revenue	General Fund	Total
2021	\$675,000	\$675,000
Total	\$675,000	\$675,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2021	\$0	\$675,000	\$675,000
Total	\$0	\$675,000	\$675,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Fixed Costs	FTEs
2022*					
Total					

*Information not available.

Maintenance Operations Center Remodel

Department:
Public Works

Division:
Facilities Management

Project Manager:
Ken Cooper

Phone Number:
970.962.2635

Email:
coopek@ci.loveland.co.us

Project Category:
TBD

Project Number:
TBD

Duration:
2016

Total Project Cost: **\$635,730**

About the Project

When the Streets, Solid Waste, and Stormwater divisions move from the Maintenance Operations Center (MOC) to the completed Service Center Phase 3, it will allow significant changes to the MOC to better service the Traffic and Facilities Management (FM) divisions. Traffic will generally occupy the western half of the building, while FM will use the eastern half. FM expects to program and design the space internally, so there will be limited design/architecture/engineering costs. One major change to the building that these project costs do not include is the creation of a full-scale Traffic Operations Center. Traffic worked with FM in 2011 on this project and the costs to create this TOC were kept separate from the specific remodel costs needed and shown below.



The figures below assume...

- 5% for design/architecture/engineering
- 65% for construction
- 7% for furniture/fixtures/equipment
- 5% for permits/fees
- 13% for contingency

Funding Sources

Revenue	General Fund	Total
2016	\$635,730	\$635,730
Total	\$635,730	\$635,730

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2016	\$28,300	\$607,430	\$635,730
Total	\$28,300	\$607,430	\$635,730

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Fixed Costs	FTEs
2017*					
Total					

*Information not available.

Vehicle Maintenance Fuel Tank Replacement

Department:
Public Works

Division:
Facilities Management

Project Manager:
Ken Cooper

Phone Number:
970.962.2635

Email:
coopek@ci.loveland.co.us

Project Category:
TBD

Project Number:
TBD

Duration:
2013

Total Project Cost:

\$375,000

About the Project

The fuel tanks at the Service Center are approaching the end of their 30 year lifespan and will require replacement to ensure safe and secure continued operations.



Funding Sources

Revenue	Fleet Replacement Fund	Total
2013	\$375,000	\$375,000
Total	\$375,000	\$375,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2013	\$0	\$375,000	\$375,000
Total	\$0	\$375,000	\$375,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Fixed Costs	FTEs
2014*					
Total					

*No additional operations expenses are anticipated to result from this project.

Vehicle Maintenance Vehicle Wash Replacement

Department:
Public Works

Division:
Facilities Management

Project Manager:
Ken Cooper

Phone Number:
970.962.2635

Email:
coopek@ci.loveland.co.us

Project Category:
TBD

Project Number:
TBD

Duration:
2014

Total Project Cost: **\$400,000**

About the Project

The vehicle wash facility is aging. It is beginning to show structural deterioration and a longer wash lane is needed for many of the vehicles currently in use.



Funding Sources

Revenue	Fleet Replacement Fund	Total
2014	\$400,000	\$400,000
Total	\$400,000	\$400,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2014	\$0	\$400,000	\$400,000
Total	\$0	\$400,000	\$400,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Fixed Costs	FTEs
2015*					
Total					

* No additional operations expenses are anticipated to result from this project.

Service Center Phase III Expansion

Department:
Public Works

Division:
Facilities Management

Project Manager:
Ken Cooper

Phone Number:
970.962.2635

Email:
coopek@ci.loveland.co.us

Project Category:
TBD

Project Number:
TBD

Duration:
2012-2013

Total Project Cost: **\$6,000,000**

About the Project

Since the Service Center construction was undertaken in the 1980s, plans included repairing the campus to support Public Works operations currently located at the MOC. This recent “Phase 3” plan is limited in scope and maximizes the old School District building located south of Vehicle Maintenance.



Funding Sources

Revenue	General Government CEF	Outside Revenue	Total
Prior Year	\$382,460	\$0	\$382,460
2013	\$2,617,540	\$3,000,000	\$5,617,540
Total	\$3,000,000	\$3,000,000	\$6,000,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Year	\$382,460	\$0	\$382,460
2013	\$0	\$5,617,540	\$5,617,540
Total	\$382,460	\$5,617,540	\$6,000,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	FTEs
2014	\$0	\$0	\$231,150	
Total	\$0	\$0	\$231,150	

29th & Monroe Outfall (Phase 2 – Dry Creek)

Department:
Public Works

Division:
Stormwater Engineering

Project Manager:
Chris Carlson

Phone Number:
970.962.2774

Email:
carlsc@ci.loveland.co.us

Project Category:
Capital Program

Project Number:
TBD

Duration:
2013

Total Project Cost: \$ 1,000,000

About the Project

Phase 2 of a 2 phase project to reduce flooding problems on Monroe Avenue immediately north of 29th Street. Phase 2 work includes the installation of a culvert under 37th Street near Lincoln Avenue and the installation of a retaining wall along the southeast bend of Dry Creek adjacent to 37th Street at Lincoln Avenue in order to mitigate erosion problems within the creek.

Funding Sources

Revenue	Enterprise	Total
2013	\$1,000,000	\$1,000,000
Total	\$1,000,000	\$1,000,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2013	\$0	\$1,000,000	\$1,000,000
Total	\$0	\$1,000,000	\$1,000,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2013*					
Total					

* Operation Impact Negligible.

South Loveland Outfall Phase 3

Department:
Public Works

Division:
Stormwater Engineering

Project Managers:
Kevin Gingery and Eric Lessard

Phone Number:
970.962.2771 & 2773

Email:
gingek@ci.loveland.co.us
lessae@ci.loveland.co.us

Project Category:
Capital Program

Project Number:
SW0902

Duration:
2018 - 2022

Total Project Cost: **\$ 5,758,500**

About the Project

Phase 3 of a 3 phase project to reduce flooding problems within the residential neighborhood located between 14th Street SW and 23rd Street SW, and from Colorado Avenue to Taft Avenue. This project includes the installation of an underground storm drainage system.

Funding Sources

Revenue	Enterprise	Total
2019	\$68,000	\$68,000
2020	\$870,300	\$870,300
2021	\$349,300	\$349,300
2022	\$4,470,900	\$4,470,900
Total	\$5,758,500	\$5,758,500

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2019	\$68,000	\$0	\$68,000
2020	\$0	\$870,300	\$870,300
2021	\$349,300	\$0	\$349,300
2022	\$0	\$4,470,900	\$4,470,900
Total	\$417,300	\$5,341,200	\$5,758,500

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2023*					
Total					

* Operation Impact Negligible.

Madison Ave. Outfall (Outlet Redirection to Big Thompson River)

Department:
Public Works

Division:
Stormwater Engineering

Project Manager:
Chris Carlson

Phone Number:
970.962.2774

Email:
carlsc@ci.loveland.co.us

Project Category:
Capital Program

Project Number:
TBD

Duration:
2014

Total Project Cost: \$ 500,000

About the Project

A project to replace a failing storm drainage outfall into the Big Thompson River. This project will include the installation of a new non-erosive outfall route into the Big Thompson River along with stormwater quality treatment for the tributary basin.

Funding Sources

Revenue	Enterprise	Total
2014	\$500,000	\$500,000
Total	\$500,000	\$500,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2014	\$0	\$500,000	\$500,000
Total	\$0	\$500,000	\$500,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2015*					
Total					

* Operation Impact Negligible.

Service Center Phase 3 Lon Hagler Basin Improvements

Department:
Public Works

Division:
Stormwater Engineering

Project Manager:
TBD

Phone Number:
TBD

Email:
TBD

Project Category:
Capital Program

Project Number:
TBD

Duration:
2018 - 2019

Total Project Cost: **\$ 300,000**

About the Project

A project to reduce flooding problems at the City of Loveland Service Center. An additional outlet (open channel) is needed to convey stormwater through the Service Center and into the Big Thompson River. Currently the existing box culvert beneath the Service Center is not large enough to convey runoff from major storm events safely through the Service Center.

Funding Sources

Revenue	Enterprise	Total
2018	\$25,000	\$25,000
2019	\$275,000	\$275,000
Total	\$300,000	\$300,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2018	\$25,000	\$0	\$25,000
2019	\$0	\$275,000	\$275,000
Total	\$25,000	\$0	\$25,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2020*					
Total					

* Operation Impact Negligible.

Maintenance Projects

Department:
Public Works

Division:
Stormwater Engineering

Project Manager:
Eric Lessard

Phone Number:
970.962.2773

Email:
lessae@ci.loveland.co.us

Project Category:
Capital Program

Project Number:
SW1101 & SW1102

Duration:
2013 - 2022

Total Project Cost: **\$2,500,000**

About the Project

An annual program to address deteriorating storm drainage infrastructure within the City. The program includes the replacement of inlets, manholes, storm sewers, channel re-grading, detention pond retrofits, and stormwater quality enhancements. The annual funding is set at \$250,000 and projects are prioritized to remain within the allocation.

Funding Sources

Revenue	Enterprise	Total
2013	\$250,000	\$250,000
2014	\$250,000	\$250,000
2015	\$250,000	\$250,000
2016	\$250,000	\$250,000
2017	\$250,000	\$250,000
2018	\$250,000	\$250,000
2019	\$250,000	\$250,000
2020	\$250,000	\$250,000
2021	\$250,000	\$250,000
2022	\$250,000	\$250,000
Total	\$2,500,000	\$2,500,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2013	\$0	\$250,000	\$250,000
2014	\$0	\$250,000	\$250,000
2015	\$0	\$250,000	\$250,000
2016	\$0	\$250,000	\$250,000
2017	\$0	\$250,000	\$250,000
2018	\$0	\$250,000	\$250,000
2019	\$0	\$250,000	\$250,000
2020	\$0	\$250,000	\$250,000
2021	\$0	\$250,000	\$250,000
2022	\$0	\$250,000	\$250,000
Total	\$0	\$2,500,000	\$2,500,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2023*					
Total					

* Operation Impact Negligible.

Airport Basin Master Plan Improvements

Department:
Public Works

Division:
Stormwater Engineering

Project Manager:
Chris Carlson

Phone Number:
970.962.2774

Email:
carlsc@ci.loveland.co.us

Project Category:
Oversizing SIF

Project Number:
SW0808

Duration:
2009 - 2014

Total Project Cost: **\$1,182,391**

About the Project

A project to provide an underground storm drainage conduit for a regional detention pond. The regional detention pond will be located within the Fort Collins-Loveland Airport. The detention pond outlet conduit is being completed in accordance with the Airport Basin Drainage Master Plan.

Funding Sources

Revenue	Enterprise	Total
Prior Years	\$82,391	\$82,391
2014	\$1,100,000	\$1,100,000
Total	\$1,182,391	\$1,182,391

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prev. Years	\$82,391	\$0	\$82,391
2014	\$0	\$1,100,000	\$1,100,000
Total	\$82,391	\$1,100,000	\$1,182,391

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2015*					
Total					

* Operation Impact Negligible.

Boyd Lake Outlet Ditch Improvements

Department:
Public Works

Division:
Stormwater Engineering

Project Manager:
Kevin Gingery

Phone Number:
970.962.2771

Email:
gingek@ci.loveland.co.us

Project Category:
SIF

Project Number:
SW0711

Duration:
2007 - TBD

Total Project Cost: **\$1,911,594**

About the Project

A project to mitigate existing erosion problems within the Boyd Lake Outlet Ditch between Eisenhower Blvd. and 5th Street, directly east of Kohl's. We jointly utilize the irrigation return flow ditch to convey storm water runoff to the Big Thompson River. In accordance with the 1984 agreement between the City and the Greeley & Loveland Irrigation Company, we are required to make necessary improvements to the ditch in order to convey storm water to the river.

Funding Sources

Revenue	Enterprise	Total
Prior	\$201,594	\$201,594
2015	\$135,000	\$135,000
2017	\$787,500	\$787,500
Unknown	\$787,500	\$787,500
Total	\$1,911,594	\$1,911,594

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior	\$201,594	\$0	\$201,594
2015	\$135,000	\$0	\$135,000
2017	\$0	\$787,500	\$787,500
Unknown	\$0	\$787,500	\$787,500
Total	\$336,594	\$1,575,000	\$1,911,594

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
Unknown*					
Total					

* Operation Impact Negligible

New Equipment and Replacement

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Mick Mercer

Phone Number:

970.962.2530

Email:

mercem@ci.loveland.co.us

Project Category:

NA

Project Number:

NA

Duration:

2013 - 2022

Total Project Cost: \$5,076,200

About the Project

Project provides funding to replace and acquire street sweepers, trucks and other equipment necessary for maintenance operations.

Funding Sources

Revenue	Enterprise	Total
2013	\$470,000	\$470,000
2014	\$590,800	\$590,800
2015	\$357,000	\$357,000
2016	\$488,400	\$488,400
2017	\$315,000	\$315,000
2018	\$656,000	\$656,000
2019	\$857,000	\$857,000
2020	\$708,000	\$708,000
2021	\$252,000	\$252,000
2022	\$382,000	\$382,000
Total	\$5,076,200	\$5,076,200

Project Cost Estimates By Year

Elements	Planning	Equipment	Total
2013	\$0	\$470,000	\$470,000
2014	\$0	\$590,800	\$590,800
2015	\$0	\$357,000	\$357,000
2016	\$0	\$488,400	\$488,400
2017	\$0	\$315,000	\$315,000
2018	\$0	\$656,000	\$656,000
2019	\$0	\$857,000	\$857,000
2020	\$0	\$708,000	\$708,000
2021	\$0	\$252,000	\$252,000
2022	\$0	\$382,000	\$382,000
Total	\$0	\$5,076,200	\$5,076,200

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	Total	FTEs
2021	\$92,000	\$1,000	\$20,000	\$113,000	1
Total	\$92,000	\$1,000	\$20,000	\$113,000	1

2013- 2022 Transportation Program

The City of Loveland 2030 Transportation Plan (2030 Plan), adopted by City Council in April 2007, describes that “a well-balanced, well-maintained transportation system is critical for sustaining Loveland’s high quality of life”. The purpose of the 2030 Plan is to “provide a thorough yet easily understandable document that guides transportation decision making toward a future desirable to the community of Loveland”. The 2030 Plan looks at all modes of transportation – bike, pedestrian, transit and vehicular – and includes recommendations, policies and strategies related to that purpose.

The funding for the projects included in the City of Loveland 2030 Transportation Plan (2030 Plan) comes from five (5) primary sources:

1. Capital Expansion Fees for Streets (Street CEF's): The portion of the additional street infrastructure that can be attributed to growth within Loveland (new trips that have origins or destinations or both within Loveland).
2. Collector Street Equivalents: Development is required to fund up to the cost for a collector street equivalent for the portion of streets within and adjacent to their property.
3. Other: Primarily Federal and State Grants administered through the North Front Range MPO.
4. Centerra Metro District Funds: As part of the MFA, a portion of the street infrastructure included in the 2030 Plan will be constructed by the Centerra Metro Districts.
5. General Fund: The General Fund pays for portions of projects that will accommodate existing traffic, collector street equivalents for properties adjacent to City owned properties, and traffic that passes through Loveland (referred to as E to E or External to External Traffic). Basically, the General Fund covers costs that cannot be attributed to growth within Loveland (CEF's), the collector street equivalent, or funding from others, including Centerra.

Each project included in the 2030 Plan is evaluated to determine the appropriate proportion from each of the above funding sources. In order for a project to move forward (a project is defined as overall or a specific phase), each funding source has to be whole.

Project prioritization is based on the criteria included in the 2030 Plan. The basis for the prioritization is an objective analysis of seven categories, weighted for importance. Those categories are: System Continuity / Congestion Mitigation; Safety Enhancements; Multi-Modal Enhancement; Implement-ability (ability to construct); Environmental Impact; Cost/Benefit; and Regional Significance (does it help regionally). The prioritization is centered on current needs and is looked at bi-annually.

In some cases, portions of a large project have a higher prioritization rating than other portions or the overall project. Our experience has been that Project Phasing is the key to addressing this issue. In the past, larger portions of projects were completed at one time by both the City and Developers. The current Transportation CIP includes a revised approach of addressing projects in smaller, “bite-size” pieces. Historically, this approach has not been a requirement of Development Projects, resulting in large projects being constructed that do not rate highly when compared to other projects. The result has been the build-up of significant reimbursement obligations. Consideration should be given to providing this information during the development process in order to steer phasing. (As an example, the intersection improvements at the intersection of Fairgrounds (Centerra Parkway) with Crossroads were more important than additional widening of Crossroads between there and I-25, such as the double left turn lanes onto Clydesdale Parkway. The Clydesdale Parkway intersection overall improvements were necessary to off-set the project 1,500 peak hour trips estimated for the site.)

The City of Loveland’s Transportation Capital Program (TCP) is the programming of projects in order to implement the 2030 Plan. The development of the TCP includes consideration of three primary areas of projects:

1. Projects designed and constructed by the City.

2. Projects designed and constructed by Developers that are eligible for full or partial reimbursement as they were included in the 2030 Plan and necessary to meet the traffic needs of the specific development.
3. Planning projects for the future as well as opportunities to secure right-of-way or roadway corridors that avoid creating situations where properties have to be demolished for planned improvements, such as the Taft Avenue Project. (For example: Transportation Plan Updates; planning for future roadway corridors, including right-of-way acquisitions (Boyd Lake Extension from 5th Street to SH 60); Cascade Avenue from 22nd Street to 35th Street, etc.)

Within the primary areas for projects are specific subareas or project groupings that are included in the overall TCP, and evaluated each year as part of the update of the 10 year TCP. These include:

1. Annual On-Going Projects: These projects include additional bike lane signing and striping, additional sidewalks and pedestrian facilities, unanticipated right-of-way opportunities (not associated with a project currently programmed), Traffic Signal System Interconnects, Upgrades to the City's Traffic Signal Control System, Transportation Plan Updates, School Zone Flasher additions, and Miscellaneous Bridge Repairs (as identified in the 2030 Plan).
2. Development Reimbursement Projects: Reimbursement to developers of their eligible costs for construction on certain projects (e.g. oversizing agreements).
3. Capital Projects with anticipated funding of less than \$500,000 per each over the next 10 years.
4. Individual Projects with funding over \$500,000 each over the next 10 years.
5. Capital Reserves: The Funding from specific sources that is either held in to cover an unanticipated shortfall in revenue (Street CEF's) or Funding that has been designated from a specific source but is not able to be utilized, as there is inadequate funding from other areas to keep the proportionate shares (General Fund).

Another part of the 2030 Plan and the City's overall transportation efforts is related to maintenance – taking care of the existing infrastructure investment. From an infrastructure perspective, protecting the existing investment is a very high priority, even higher than building additional infrastructure. As reported to City Council in 2008, the long-term funding needs for this program have identified a gap in the City's ability to keep up with the existing needs, even without adding anything new.

In the end, it is our opinion that it is more important to address maintenance than congestion but to not ignore the latter. It is anticipated that congestion levels will continue to grow as traffic growth outpaces revenue, but that specific congestion points (i.e. intersections) will be addressed with individual development projects. Until funding levels increase, specifically in the Street CEF area, this pattern will continue. As a result, we will see an increase in the amount of reimbursements owed developers until building permits, specifically commercial and office, increase. This is similar to the cycles we have seen in the past. However, focusing on phasing should help keep this from spiraling out of control, but only to a certain extent as developers' proposals significantly influence the true dynamic of this item.

Transportation Program

Department:
Public Works

Division:
Project Engineering

Project Manager:
Dave Klockeman

Phone Number:
970.962.2514

Email:

Project Category:
Annual Program

Project Number:
NA

Duration:
2013 - 2022

About the Project

Annual On-Going Projects -

\$6,295,000

Reimbursement Projects - \$2,988,400

Miscellaneous Projects - \$860,000

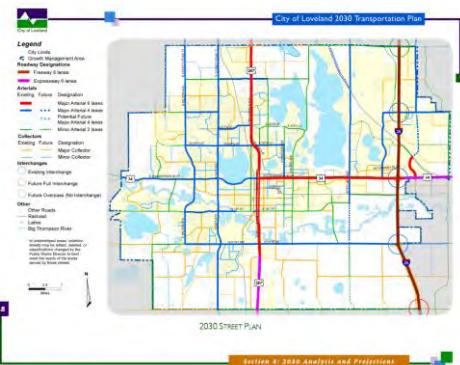
Taft Avenue Phase II - \$1,235,000

Boise Ave. (Mt. Columbia to 37th) -

\$1,970,000

Madison Ave. (Silverleaf to 29th) -

\$960,000



Funding Sources

Revenue	General Fund	Street CEF	Other	Total
2013	\$430,360	\$902,360	\$257,280	\$1,590,000
2014	\$394,100	\$893,900	\$80,000	\$1,368,000
2015	\$359,000	\$899,000	\$200,000	\$1,458,000
2016	\$389,000	\$901,000	\$0	\$1,290,000
2017	\$363,000	\$899,400	\$0	\$1,262,400
2018	\$351,000	\$949,000	\$0	\$1,300,000
2019	\$389,000	\$1,001,000	\$0	\$1,390,000
2020	\$373,000	\$1,101,000	\$0	\$1,474,000
2021	\$412,800	\$1,246,200	\$0	\$1,659,000
2022	\$475,500	\$1,041,500	\$0	\$1,517,000
Total	\$3,936,760	\$9,834,360	\$537,280	\$14,308,400

Project Cost Estimates By Year

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2013	\$243,000	\$1,347,000	\$1,590,000
2014	\$297,000	\$1,071,000	\$1,368,000
2015	\$395,000	\$1,063,000	\$1,458,000
2016	\$135,000	\$1,155,000	\$1,290,000
2017	\$70,000	\$1,192,400	\$1,262,400
2018	\$135,000	\$1,165,000	\$1,300,000
2019	\$215,000	\$1,175,000	\$1,390,000
2020	\$255,000	\$1,219,000	\$1,474,000
2021	\$355,000	\$1,304,000	\$1,659,000
2022	\$135,000	\$1,382,000	\$1,517,000
Total	\$2,235,000	\$12,073,400	\$14,308,400

Estimated Initial Operations Impact

Estimated Initial Operations Impact				
Expenditures	Personnel	Supplies	Purchased Services	FTEs
2023*				
Total				

*Operations Impact Negligible

Note: Detailed Project Program information available through Public Works Department Project Engineering Division

Note: All construction costs shown are engineering estimates until projects are bid.

City of Loveland, Colorado | Capital Program 2013-2022

Page 21-66

Transportation Program: Annual On-Going Projects

Department:
Public Works

Division:
Project Engineering

Project Manager:
Dave Klockeman

Phone Number:
970.962.2514

Email:
klockd@ci.loveland.co.us

Project Category:
Annual Program

Project Number:
NA

Duration:
2013 - 2022

About the Project

2013 - 2022 Annual Projects

Bike Route Signing and Striping - \$215,000

Bike Lane/Sidewalk Construction - \$550,000

Misc. Right-of-Way Acquisition - \$950,000

Small Capital Projects - \$1,000,000

Miscellaneous Repairs - \$2,050,000

Transportation Master Plan Update -

\$50,000

Loveland ITS Upgrade (Traffic) - \$500,000

Signal System Interconnect (Traffic) -

\$600,000

School Flasher Units (Traffic) - \$200,000



Miscellaneous Bridge Repairs - \$180,000

Funding Sources

Revenue	GF/TABOR	Street CEF	Total
2013	\$297,000	\$433,000	\$730,000
2014	\$261,000	\$339,000	\$600,000
2015	\$261,000	\$339,000	\$600,000
2016	\$261,000	\$339,000	\$600,000
2017	\$261,000	\$339,000	\$600,000
2018	\$261,000	\$339,000	\$600,000
2019	\$261,000	\$339,000	\$600,000
2020	\$261,000	\$339,000	\$600,000
2021	\$261,000	\$339,000	\$600,000
2022	\$368,500	\$396,500	\$765,000
Total	\$2,753,500	\$3,541,500	\$6,295,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2013	\$91,000	\$639,000	\$730,000
2014	\$55,000	\$545,000	\$600,000
2015	\$55,000	\$545,000	\$600,000
2016	\$55,000	\$545,000	\$600,000
2017	\$55,000	\$545,000	\$600,000
2018	\$55,000	\$545,000	\$600,000
2019	\$55,000	\$545,000	\$600,000
2020	\$55,000	\$545,000	\$600,000
2021	\$55,000	\$545,000	\$600,000
2022	\$135,000	\$630,000	\$765,000
Total	\$666,000	\$5,629,000	\$6,295,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	FTEs
2023*				
Total				

*Operations Impact Negligible.

Note: Detailed Project Program information available through Public Works Department Project Engineering Division.

Note: All construction costs shown are engineering estimates until projects are bid.

**Total Project
Cost:
\$6,295,000**

Transportation Program: Reimburse Projects Constructed by Development included in 2030 Transportation Plan

Department:
Public Works

Division:
Project Engineering

Project Manager:
Dave Klockeman

Phone Number:
970.962.2514

Email:
klockd@ci.loveland.co.us

Project Category:
Annual Program

Project Number:
NA

Duration:
2013 - 2022

Total Project Cost:
\$2,988,400

About the Project

2012 - 2021 Reimbursement Project List

N Taft Ave. (43rd to 57th St.) - \$114,400

SH 402 (US 287 to St. Louis) - \$250,000

Fairgrounds Ave (Crossroads to 71st) - \$145,000

43rd St. (Wilson to Cascade) - \$400,000

Crossroads Blvd. (I-25 to Centerra Pky.) - \$538,000

US 34/Sculptor Intersection - \$550,000

Sculptor Drive (US 34 to Mtn. Lion) - \$200,000

US 34/Mtn. Lion Intersection - \$118,000

Taft/14th Street SW Intersection - \$359,000

US 34/Mtn. View Intersection - \$314,000



Funding Sources

Revenue	GF/TABOR	Street CEF	Total
2013	\$20,000	\$80,000	\$100,000
2014	\$61,600	\$296,400	\$358,000
2015	\$30,000	\$288,000	\$318,000
2016	\$30,000	\$170,000	\$200,000
2017	\$27,600	\$260,400	\$288,000
2018	\$10,000	\$290,000	\$300,000
2019	\$36,000	\$294,000	\$330,000
2020	\$26,000	\$418,000	\$444,000
2021	\$29,800	\$419,200	\$449,000
2022	\$10,000	\$191,400	\$201,400
Total	\$281,000	\$2,707,400	\$2,988,400

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2013	\$0	\$100,000	\$100,000
2014	\$0	\$358,000	\$358,000
2015	\$0	\$318,000	\$318,000
2016	\$0	\$200,000	\$200,000
2017	\$0	\$288,000	\$288,000
2018	\$0	\$300,000	\$300,000
2019	\$0	\$330,000	\$330,000
2020	\$0	\$444,000	\$444,000
2021	\$0	\$449,000	\$449,000
2022	\$0	\$201,400	\$201,400
Total	\$0	\$2,988,400	\$2,988,400

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	FTEs
2023*				
Total				

*Operations Impact Negligible.

Note: Detailed Project Program information available through Public Works Department Project Engineering Division.

Note: All construction costs shown are engineering estimates until projects are bid.

Transportation Program

Individual Capital Projects Under 500,000

Department:
Public Works

Division:
Project Engineering

Project Manager:
Dave Klockeman

Phone Number:
970.962.2514

Email:
klockd@ci.loveland.co.us

Project Category:
Annual Program

Project Number:
NA

Duration:
2013 - 2015

Total Project Cost: **\$860,000**

About the Project

2013 - 2022 Individual Projects
Under \$500,000
Garfield Ave. (1st St. to Railroad) – \$230,000
Boyd Lake Ave. at GLIC Bridge – \$350,000
Madison Ave. at GLIC Bridge - \$280,000



Funding Sources

Revenue	GF/TABOR	Street CEF	Other	Total
2013	\$41,200	\$101,200	\$257,600	\$400,000
2014	\$31,500	\$98,500	\$80,000	\$210,000
2015	\$10,000	\$40,000	\$200,000	\$250,000
Total	\$82,700	\$239,700	\$537,600	\$860,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2013	\$80,000	\$320,000	\$400,000
2014	\$42,000	\$168,000	\$210,000
2015	\$50,000	\$200,000	\$250,000
Total	\$172,000	\$688,000	\$860,000

Estimated Initial Operations Impact

Expenditures	Personnel	Supplies	Purchased Services	FTEs
2016*				
Total				

*Operations Impact Negligible.

Note: Detailed Project Program information available through Public Works Department Project Engineering Division.

Note: All construction costs shown are engineering estimates until projects are bid.

Transportation Program

Taft Avenue Phase 2 – Gard Place to Westshore

Drive*****
Department:
Public Works

Division:
Project Engineering

Project Manager:
Dave Klockeman

Phone Number:
970.962.2514

Email:
klockd@ci.loveland.co.us

Project Category:
Annual Program

Project Number:
NA

Duration:
2013 - 2018

**Total Project Cost:
\$1,235,000**

About the Project

The overall Phase II improvements will consist of widening Taft Avenue to include left and right turn lanes as needed, bicycle lanes, curbs, gutters, m21-70edians and sidewalks. The bridge at the Big Barnes Ditch will also be widened. The Taft Avenue / Eisenhower Boulevard intersection will be reconstructed with concrete pavement to decrease maintenance costs. A new traffic signal at the Taft/Eisenhower intersection will be constructed with the project. Additionally, storm sewer improvements will be made along the project limits. Through 2022, the right-of-way acquisition will be completed and portions of the project constructed, including the bridge at the Big Barnes Ditch and removal of existing houses. The remainder of the project will be constructed in additional phases as funding becomes available.



Funding Sources

Revenue	GF/TABOR	Street CEF	Total
2013	\$72,000	\$288,000	\$360,000
2016	\$80,000	\$320,000	\$400,000
2017	\$15,000	\$60,000	\$75,000
2018	\$80,000	\$320,000	\$400,000
Total	\$247,000	\$988,000	\$1,235,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2013	\$0	\$360,000	\$360,000
2016	\$0	\$400,000	\$400,000
2017	\$0	\$75,000	\$75,000
2018	\$0	\$400,000	\$400,000
Total	\$0	\$1,235,000	\$1,235,000

Estimated Initial Operations Impact

Expenditures	Personal Services	Supplies	Purchased Services	FTEs
2019*				
Total				

*Operations Impact Negligible.

Note: Detailed Project Program information available through Public Works Department Project Engineering Division.

Note: All construction costs shown are engineering estimates until projects are bid.

Transportation Program

Boise Avenue – Mt. Columbia
to 37th

Street*****

Department:
Public Works

Division:
Project Engineering

Project Manager:
Dave Klockeman

Phone Number:
970.962.2514

Email:
klockd@ci.loveland.co.us

Project Category:
Annual Program

Project Number:
NA

Duration:
2014 - 2022

Total Project Cost: **\$1,970,000**

About the Project

The Boise Avenue – Mt. Columbia to 37th Street project includes the extension of Boise Avenue north from Mt. Columbia to connect to LCR 11C in the SE corner of Horsehoe Lake, including the construction of a roundabout at the Boise Avenue / 37th Street Intersection. The initial work includes completion the design and construction of portions of the roadway improvements. The remainder of the project will be constructed in additional phases as funding becomes available.



Funding Sources

Revenue	GF/TABOR	Street CEF	Total
2014	\$40,000	\$160,000	\$200,000
2015	\$58,000	\$232,000	\$290,000
2016	\$18,000	\$72,000	\$90,000
2017	\$60,000	\$240,000	\$300,000
2019	\$60,000	\$240,000	\$300,000
2020	\$46,000	\$184,000	\$230,000
2021	\$62,000	\$248,000	\$310,000
2022	\$50,000	\$200,000	\$250,000
Total	\$394,000	\$1,576,000	\$1,970,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2014	\$200,000	\$0	\$200,000
2015	\$290,000	\$0	\$290,000
2016	\$0	\$90,000	\$90,000
2017	\$0	\$300,000	\$300,000
2019	\$0	\$300,000	\$300,000
2020	\$0	\$230,000	\$230,000
2021	\$0	\$310,000	\$310,000
2022	\$0	\$250,000	\$250,000
Total	\$490,000	\$1,480,000	\$1,970,000

Estimated Initial Operations Impact

Expenditures	Personal Services	Supplies	Purchased Services	FTEs
2023*				
Total				

*Operations Impact Negligible.

Note: Detailed Project Program information available through Public Works Department Project Engineering Division.

Note: All construction costs shown are engineering estimates until projects are bid.

Transportation Program: Madison Avenue Improvements – Silver Leaf to 29th Street

Department:
Public Works

Division:
Project Engineering

Project Manager:
Dave Klockeman

Phone Number:
970.962.2514

Email:
klockd@ci.loveland.co.us

Project Category:
Annual Program

Project Number:
NA

Duration:
2019 - 2022

Total Project Cost: \$960,000

About the Project

The Madison Avenue Improvements Project includes the widening of Madison Avenue from Silver Leaf to 29th and improvements to the Madison Avenue / 29th Street Intersection. The phases of the project are design, right-of-way acquisition and construction. This route is a major feed from northwest Loveland to US 34, east to I-25 and other locations. The initial phase will be the completion of the design. The second phase will be ROW acquisition. Upon completion of the ROW acquisition, the project will be constructed in phases as funding becomes available.



Funding Sources

Revenue	GF/TABOR	Street CEF	Total
2019	\$32,000	\$128,000	\$160,000
2020	\$40,000	\$160,000	\$200,000
2021	\$60,000	\$240,000	\$300,000
2022	\$60,000	\$240,000	\$300,000
Total	\$192,000	\$768,000	\$960,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
2019	\$160,000	\$0	\$160,000
2020	\$200,000	\$0	\$200,000
2021	\$300,000	\$0	\$300,000
2022	\$0	\$300,000	\$300,000
Total	\$660,000	\$300,000	\$960,000

Estimated Initial Operations Impact

Expenditures	Personal Services	Supplies	Purchased Services	FTEs
2023*				
Total				

*Operations Impact Negligible.

Note: Detailed Project Program information available through Public Works Department Project Engineering Division.

Note: All construction costs shown are engineering estimates until projects are bid.

Hydro Generation

Department:
Water & Power

Division:
Power

Project Manager:
Larry Howard
Bruno Lopez

Phone Number:
970.962-3703
970.962.3560

Email:
Larry.Howard@cityofloveland.org
Bruno.Lopez@cityofloveland.org

Project Category:
Construction

Project Numbers:
PW900 & PW910

Duration:
2013-2021

Total Project Cost: \$1,358,080

About the Project

These projects consist of a FERC Hydro relicensing process, turbine rebuilds and various equipment and structural improvements that are necessary for the the dam, flowline, penstock and the generation facility itself.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	66,610	\$0	\$66,610
2014	939,960	\$0	\$939,960
2015	25,550	\$0	\$25,550
2016	13,220	\$0	\$13,220
2017	0	\$0	\$0
2018	0	\$0	\$0
2019	0	\$0	\$0
2020	0	\$0	\$0
2021	312,740	\$0	\$312,740
2022	0	\$0	\$0
Total	\$1,358,080	\$0	\$1,358,080

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$66,610	\$0	\$66,610
2014	\$25,550	\$914,410	\$939,960
2015	\$25,550	\$0	\$25,550
2016	\$13,220	\$0	\$13,220
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$312,740	\$312,740
2022	\$0	\$0	\$0
Total	\$130,930	\$1,227,150	\$1,358,080

System Improvements

Department:
Water & Power

Division:
Power

Project Manager:
Russel Jentges

Phone Number:
970.962.3557

Email:
Russel.Jentges@cityofloveland.org

Project Category:
Construction

Project Numbers:
*PW901-PW909 &
PW913-PW913A*

Duration:
2013-2022

Total Project Cost: **\$15,811,280**

About the Project

These projects will be done to improve the reliability of the electric system in order to provide dependable service to City of Loveland customers.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$968,330	\$0	\$968,330
2014	\$1,235,690	\$0	\$1,235,690
2015	\$1,129,160	\$0	\$1,129,160
2016	\$592,110	\$0	\$592,110
2017	\$1,318,730	\$0	\$1,318,730
2018	\$497,890	\$0	\$497,890
2019	\$515,320	\$0	\$515,320
2020	\$3,077,890	\$0	\$3,077,890
2021	\$3,179,030	\$0	\$3,179,030
2022	\$3,297,130	\$0	\$3,297,130
Total	\$15,811,280	\$0	\$15,811,280

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$968,330	\$968,330
2014	\$0	\$1,235,690	\$1,235,690
2015	\$0	\$1,129,160	\$1,129,160
2016	\$0	\$592,110	\$592,110
2017	\$0	\$1,318,730	\$1,318,730
2018	\$0	\$497,890	\$497,890
2019	\$0	\$515,320	\$515,320
2020	\$0	\$3,077,890	\$3,077,890
2021	\$0	\$3,179,030	\$3,179,030
2022	\$0	\$3,297,130	\$3,297,130
Total	\$0	\$15,811,280	\$15,811,280

Customer Aid-To-Construction

Department:
Water & Power

Division:
Power

Project Manager:
Kathleen Porter

Phone Number:
970.962.3561

Email:
Kathleen.Porter@cityofloveland.org

Project Category:
Construction

Project Number:
PW912-various work orders

Duration:
2013-2022

Total Project Cost: **\$7,588,870**

About the Project

These projects are initiated by developer(s) for new construction, upgrades, relocating, removing or undergrounding of existing electrical facilities.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$646,890	\$0	\$646,890
2014	\$669,530	\$0	\$669,530
2015	\$692,960	\$0	\$692,960
2016	\$717,210	\$0	\$717,210
2017	\$742,310	\$0	\$742,310
2018	\$768,300	\$0	\$768,300
2019	\$795,190	\$0	\$795,190
2020	\$823,020	\$0	\$823,020
2021	\$851,820	\$0	\$851,820
2022	\$881,640	\$0	\$881,640
Total	\$7,588,870	\$0	\$7,588,870

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$646,890	\$646,890
2014	\$0	\$669,530	\$669,530
2015	\$0	\$692,960	\$692,960
2016	\$0	\$717,210	\$717,210
2017	\$0	\$742,310	\$742,310
2018	\$0	\$768,300	\$768,300
2019	\$0	\$795,190	\$795,190
2020	\$0	\$823,020	\$823,020
2021	\$0	\$851,820	\$851,820
2022	\$0	\$881,640	\$881,640
Total	\$0	\$7,588,870	\$7,588,870

Miscellaneous Feeder Extensions

Department:
Water & Power

Division:
Power

Project Manager:
Kathleen Porter

Phone Number:
970.962.3561

Email:
Kathleen.Porter@cityofloveland.org

Project Category:
Construction

Project Numbers:
PW913A & PW921A

Duration:
2013-2022

Total Project Cost: **\$11,521,860**

About the Project

These projects are 200 and 600 amp extensions of existing electrical facilities across property currently being developed.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$150,040	\$75,000	\$225,040
2014	\$155,290	\$77,630	\$232,920
2015	\$214,280	\$107,120	\$321,400
2016	\$277,220	\$138,590	\$415,810
2017	\$344,300	\$1,893,410	\$2,237,710
2018	\$356,350	\$1,870,610	\$2,226,960
2019	\$368,820	\$245,850	\$614,670
2020	\$381,730	\$1,517,700	\$1,899,430
2021	\$395,090	\$329,200	\$724,290
2022	\$408,920	\$2,214,710	\$2,623,630
Total	\$3,052,040	\$8,469,820	\$11,521,860

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$225,040	\$225,040
2014	\$0	\$232,920	\$232,920
2015	\$0	\$321,400	\$321,400
2016	\$0	\$415,810	\$415,810
2017	\$0	\$2,237,710	\$2,237,710
2018	\$0	\$2,226,960	\$2,226,960
2019	\$0	\$614,670	\$614,670
2020	\$0	\$1,899,430	\$1,899,430
2021	\$0	\$724,290	\$724,290
2022	\$0	\$2,623,630	\$2,623,630
Total	\$0	\$11,521,860	\$11,521,860

Partnering With Power

Department:
Water & Power

Division:
Power

Project Manager:
Lindsey Bashline

Phone Number:
970.962.3727

Email:
Lindsey.Bashline@cityofloveland.org

Project Category:
Construction

Work Order Number:
WF0003703/001 & 002

Duration:
2006-2022

Total Project Cost:
\$1,558,438

About the Project

This project, continuing in its 7th year, is an ongoing effort to reduce our demand on our peak during the summer months. It is estimated that each unit installed reduces our peak by 1.2 KW.



Partnering with Power

Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$1,206,488	\$0	\$1,206,488
2013	\$30,000	\$0	\$30,000
2014	\$31,050	\$0	\$31,050
2015	\$32,140	\$0	\$32,140
2016	\$33,260	\$0	\$33,260
2017	\$34,430	\$0	\$34,430
2018	\$35,630	\$0	\$35,630
2019	\$36,880	\$0	\$36,880
2020	\$38,170	\$0	\$38,170
2021	\$39,500	\$0	\$39,500
2022	\$40,890	\$0	\$40,890
Total	\$351,950	\$0	\$1,558,438

Project Cost Estimates By Year

Elements	Marketing	Installation	Total
Prior Years	\$0	\$1,206,488	\$1,206,488
2013	\$0	\$30,000	\$30,000
2014	\$0	\$31,050	\$31,050
2015	\$0	\$32,140	\$32,140
2016	\$0	\$33,260	\$33,260
2017	\$0	\$34,430	\$34,430
2018	\$0	\$35,630	\$35,630
2019	\$0	\$36,880	\$36,880
2020	\$0	\$38,170	\$38,170
2021	\$0	\$39,500	\$39,500
2022	\$0	\$40,890	\$40,890
Total	\$0	\$1,558,438	\$1,558,438

Smaller 200 amp projects

Department:
Water & Power

Division:
Power

Project Manager:
Garth Silvernale

Phone Number:
970.962.3580

Email:
Garth.Silvernale@cityofloveland.org

Project Category:
Construction

Work Order Number:
PW913-various work orders

Duration:
2013-2022

**Total Project
Cost:
\$2,760,770**

About the Project

These projects are related to minor upgrades to our overhead and underground distribution system where we have identified the need to change out utility poles, add or upgrade transformers, increase conductor/wire size, replace open wire pole to pole feeds and split electrical service loads to correct low voltage concerns and/or improve system reliability.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$125,210	\$0	\$125,210
2014	\$129,590	\$0	\$129,590
2015	\$187,690	\$0	\$187,690
2016	\$249,690	\$0	\$249,690
2017	\$315,810	\$0	\$315,810
2018	\$326,860	\$0	\$326,860
2019	\$338,300	\$0	\$338,300
2020	\$350,140	\$0	\$350,140
2021	\$362,400	\$0	\$362,400
2022	\$375,080	\$0	\$375,080
Total	\$2,760,770	\$0	\$2,760,770

Project Cost Estimates By Year

Elements	Marketing	Installation	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$125,210	\$125,210
2014	\$0	\$129,590	\$129,590
2015	\$0	\$187,690	\$187,690
2016	\$0	\$249,690	\$249,690
2017	\$0	\$315,810	\$315,810
2018	\$0	\$326,860	\$326,860
2019	\$0	\$338,300	\$338,300
2020	\$0	\$350,140	\$350,140
2021	\$0	\$362,400	\$362,400
2022	\$0	\$375,080	\$375,080
Total	\$0	\$2,760,770	\$2,760,770

Substation Security

Department:
Water & Power

Division:
Power

Project Manager:
Russel Jentges

Phone Number:
970.962.3557

Email:
Russel.Jentges@cityofloveland.org

Project Category:
Construction

Project Number:
PW911

Duration:
2013-2016

Total Project Cost:
\$842,990

About the Project

These projects will replace the fencing around the City owned substations. The intention is to provide better security of the substations and enhance the look of the substation.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$200,000	\$0	\$200,000
2014	\$207,000	\$0	\$207,000
2015	\$214,250	\$0	\$214,250
2016	\$221,740	\$0	\$221,740
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$842,990	\$0	\$842,990

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$200,000	\$200,000
2014	\$0	\$207,000	\$207,000
2015	\$0	\$214,250	\$214,250
2016	\$0	\$221,740	\$221,740
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$842,990	\$842,990

Miscellaneous Substation Projects

Department:
Water & Power

Division:
Power

Project Manager:
Russel Jentges

Phone Number:
970.962.3557

Email:
Russel.Jentges@cityofloveland.org

Project Category:
Construction

Work Order Number:
Various

Duration:
2013-2021

Total Project Cost: **\$4,212,630**

About the Project

These projects are related to needs that have been identified in the 10 year growth projection. The specific projects may change due to the changes in the growth in various areas of the City. These projects also address aging infrastructure that has exceeded its useful life for the City.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$1,372,900	\$1,372,900
2014	\$310,500	\$879,750	\$1,190,250
2015	\$889,120	\$278,520	\$1,167,640
2016	\$0	\$665,230	\$665,230
2017	\$688,510	\$2,111,450	\$2,799,960
2018	\$154,400	\$154,400	\$308,800
2019	\$0	\$2,347,880	\$2,347,880
2020	\$890,600	\$1,704,850	\$2,595,450
2021	\$0	\$1,764,520	\$1,764,520
2022	\$0	\$0	\$0
Total	\$2,933,130	\$11,279,500	\$14,212,630

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$1,372,900	\$1,372,900
2014	\$0	\$1,190,250	\$1,190,250
2015	\$0	\$1,167,640	\$1,167,640
2016	\$0	\$665,230	\$665,230
2017	\$0	\$2,799,960	\$2,799,960
2018	\$0	\$308,800	\$308,800
2019	\$0	\$2,347,880	\$2,347,880
2020	\$0	\$2,595,450	\$2,595,450
2021	\$0	\$1,764,520	\$1,764,520
2022	\$0	\$0	\$0
Total	\$0	\$14,212,630	\$14,212,630

Miscellaneous Electric Relocations Road Related Projects

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@cityofloveland.org

Project Category:

Construction

Project Number:

PW913

Duration:

2013-2022

**Total Project
Cost:
\$2,946,440**

About the Project

These projects will be driven by the Streets Department. The budget will allow us to relocate or underground our electric facilities to accommodate those changes made by the Street Department.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$196,530	\$0	\$196,530
2014	\$203,410	\$0	\$203,410
2015	\$210,520	\$0	\$210,520
2016	\$217,890	\$0	\$217,890
2017	\$225,520	\$0	\$225,520
2018	\$233,410	\$0	\$233,410
2019	\$241,580	\$0	\$241,580
2020	\$250,040	\$0	\$250,040
2021	\$258,790	\$0	\$258,790
2022	\$908,750	\$0	\$908,750
Total	\$2,946,440	\$0	\$2,946,440

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$196,530	\$196,530
2014	\$0	\$203,410	\$203,410
2015	\$0	\$210,520	\$210,520
2016	\$0	\$217,890	\$217,890
2017	\$0	\$225,520	\$225,520
2018	\$0	\$233,410	\$233,410
2019	\$0	\$241,580	\$241,580
2020	\$0	\$250,040	\$250,040
2021	\$0	\$258,790	\$258,790
2022	\$0	\$908,750	\$908,750
Total	\$0	\$2,946,440	\$2,946,440

Airport Sub to the Promenade Shops

Department:
Water & Power

Division:
Power

Project Manager:
Russel Jentges

Phone Number:
970.962.3557

Email:
Russel.Jentges@cityofloveland.org

Project Category:
Construction

Project Number:
PW913

Duration:
2013

Total Project Cost: **\$683,260**

About the Project

This project is to extend a feeder from Airport Sub to the North side of the Promenade Shops at Centerra. This project increases the reliability in the area.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$683,260	\$0	\$683,260
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$683,260	\$0	\$683,260

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$683,260	\$683,260
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$683,260	\$683,260

East along 5th Street and North on Boyd Lake

Department:
Water & Power

Division:
Power

Project Manager:
Russel Jentges

Phone Number:
970.962.3557

Email:
Russel.Jentges@cityofloveland.org

Project Category:
Construction

Project Number:
PW913

Duration:
2013

Total Project Cost: **\$570,000**

About the Project

This project extends the feeder on 5th Street North on Boyd Lake Avenue. This project increases the reliability in the area.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$570,000	\$0	\$570,000
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$570,000	\$0	\$570,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$570,000	\$570,000
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$570,000	\$570,000

Install feeder North on Van Buren

Department:
Water & Power

Division:
Power

Project Manager:
Russel Jentges

Phone Number:
970.962.3557

Email:
Russel.Jentges@cityofloveland.org

Project Category:
Construction

Project Number:
PW913

Duration:
2013

Total Project Cost: **\$670,250**

About the Project

This project is to install a feeder North on Van Buren to 22nd Street. This project relieves stress on the system that is running along Taft Avenue.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$670,250	\$0	\$670,250
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$670,250	\$0	\$670,250

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$670,250	\$670,250
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$670,250	\$670,250

Carlisle to 1st Street between Taft and Dotsero

Department:
Water & Power

Division:
Power

Project Manager:
Russel Jentges

Phone Number:
970.962.3557

Email:
Russel.Jentges@cityofloveland.org

Project Category:
Construction

Project Number:
PW913

Duration:
2014

Total Project Cost: **\$1,724,100**

About the Project

This project is to replace the 200 amp electrical system on the SouthWest corner of 1st Street and Taft. This cable is older and direct buried cable rather than in the conduit system. The Power Department has experienced reliability issues with this cable in the past.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$1,724,100	\$0	\$1,724,100
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$1,724,100	\$0	\$1,724,100

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$1,724,100	\$1,724,100
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$1,724,100	\$1,724,100

29th to 37th Street between Taft and Olde Golf Course

Department:
Water & Power

Division:
Power

Project Manager:
Russel Jentges

Phone Number:
970.962.3557

Email:
Russel.Jentges@cityofloveland.org

Project Category:
Construction

Project Number:
PW913

Duration:
2014

Total Project Cost: **\$1,208,050**

About the Project

This project is to replace the 200 amp system in the area to the East of the Olde Golf Course. This cable is older and direct buried cable rather than in the conduit system. The Power Department has experienced reliability issues with this cable in the past.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$1,208,050	\$0	\$1,208,050
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$1,208,050	\$0	\$1,208,050

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$1,208,050	\$1,208,050
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$1,208,050	\$1,208,050

SW 14th St to SW 18th St from Wilson to Kate

Department:
Water & Power

Division:
Power

Project Manager:
Russel Jentges

Phone Number:
970.962.3557

Email:
Russel.Jentges@cityofloveland.org

Project Category:
Construction

Project Number:
PW913

Duration:
2014

Total Project Cost: **\$621,170**

About the Project

This project is to replace the 200 amp system in the area West of Cattail Pond. This cable is older and direct buried cable rather than in the conduit system. The Power Department has experienced reliability issues with this cable in the past.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$621,170	\$0	\$621,170
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$621,170	\$0	\$621,170

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$621,170	\$621,170
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$621,170	\$621,170

Canyon Conversion

Department:
Water & Power

Division:
Power

Project Manager:
Russel Jentges

Phone Number:
970.962.3557

Email:
Russel.Jentges@cityofloveland.org

Project Category:
Construction

Project Number:
PW913

Duration:
2016-2019

Total Project Cost: **\$5,226,400**

About the Project

This project is to convert the Canyon to 12.47 KV voltage. This conversion will add reliability to the Canyon and help the Power Department reduce warehousing cost.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$277,180	\$0	\$277,180
2017	\$888,470	\$0	\$888,470
2018	\$1,707,890	\$0	\$1,707,890
2019	\$2,352,860	\$0	\$2,352,860
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$5,226,400	\$0	\$5,226,400

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$277,180	\$277,180
2017	\$0	\$888,470	\$888,470
2018	\$0	\$1,707,890	\$1,707,890
2019	\$0	\$2,352,860	\$2,352,860
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$5,226,400	\$5,226,400

Streetlight Projects

Department:
Water & Power

Division:
Power

Project Manager:
Kathleen Porter

Phone Number:
970.962.3561

Email:
Kathleen.Porter@cityofloveland.org

Project Category:
Construction

Project Number:
PW915

Duration:
2013-2022

Total Project Cost: **\$2,820,140**

About the Project

These projects will occur as customers either request individual street lights which are approved by the Power Department or new arterial or major collector streets required by new development.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$240,390	\$0	\$240,390
2014	\$248,800	\$0	\$248,800
2015	\$257,510	\$0	\$257,510
2016	\$266,530	\$0	\$266,530
2017	\$275,860	\$0	\$275,860
2018	\$285,510	\$0	\$285,510
2019	\$295,500	\$0	\$295,500
2020	\$305,850	\$0	\$305,850
2021	\$316,550	\$0	\$316,550
2022	\$327,640	\$0	\$327,640
Total	\$2,820,140	\$0	\$2,820,140

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$240,390	\$240,390
2014	\$0	\$248,800	\$248,800
2015	\$0	\$257,510	\$257,510
2016	\$0	\$266,530	\$266,530
2017	\$0	\$275,860	\$275,860
2018	\$0	\$285,510	\$285,510
2019	\$0	\$295,500	\$295,500
2020	\$0	\$305,850	\$305,850
2021	\$0	\$316,550	\$316,550
2022	\$0	\$327,640	\$327,640
Total	\$0	\$2,820,140	\$2,820,140

Hwy 402 Feeder Extension

Department:
Water & Power

Division:
Power

Project Manager:
Kathleen Porter

Phone Number:
970.962.3561

Email:
Kathleen.Porter@cityofloveland.org

Project Category:
Construction

Project Number:
PW921

Duration:
2015-2016

**Total Project
Cost:
\$5,468,600**

About the Project

This new feeder will begin at South Boise Avenue and State Highway 402 and extend east to the west side of I-25. Its purpose is to pick up and serve the annexations of Ehrlich Addition, the Olson First and also the Olson Second Addition as well as any other new annexations that have been added to the City.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$2,142,450	\$2,142,450
2016	\$0	\$3,326,150	\$3,326,150
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$5,468,600	\$5,468,600

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$2,142,450	\$2,142,450
2016	\$0	\$3,326,150	\$3,326,150
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$5,468,600	\$5,468,600

Miscellaneous General Plant Projects

Department:
Water & Power

Division:
Power

Project Manager:
Bob Miller

Phone Number:
970.962.3563

Email:
Bob.Miller@cityofloveland.org

Project Category:
Capital Equipment

Project Number:
PW930

Duration:
2013-2022

Total Project Cost: **\$1,181,743**

About the Project

Budgeted dollars are to cover the capital expenses for equipment which is necessary to build, operate and maintain the electric system. Such expenses might include vehicles, software, large tools and equipment purchases.



Funding Sources

Revenue	Power Fund	Power PIF	Total
Prior Years	\$0	\$0	\$0
2013	\$447,000	\$0	\$447,000
2014	\$261,080	\$0	\$261,080
2015	\$59,350	\$0	\$59,350
2016	\$42,690	\$0	\$42,690
2017	\$49,630	\$0	\$49,630
2018	\$60,046	\$0	\$60,046
2019	\$62,147	\$0	\$62,147
2020	\$64,322	\$0	\$64,322
2021	\$66,574	\$0	\$66,574
2022	\$68,904	\$0	\$68,904
Total	\$1,181,743	\$0	\$1,181,743

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$447,000	\$447,000
2014	\$0	\$261,080	\$261,080
2015	\$0	\$59,350	\$59,350
2016	\$0	\$42,690	\$42,690
2017	\$0	\$49,630	\$49,630
2018	\$0	\$60,046	\$60,046
2019	\$0	\$62,147	\$62,147
2020	\$0	\$64,322	\$64,322
2021	\$0	\$66,574	\$66,574
2022	\$0	\$68,904	\$68,904
Total	\$0	\$1,181,743	\$1,181,743

Raw Water Court Transfer Actions

Department:
Water & Power

Division:
Raw Water

Project Manager:
Larry Howard

Phone Number:
970.962.3703

Email:
howarl@ci.loveland.co.us

Project Category:
Planning

Project Numbers:
NA

Duration:
2016

**Total Project
Cost:
\$113,300**

About the Project

Water that has been acquired as a condition of development in Loveland must be transferred for municipal use in State Water Court before the City can divert it for use at the water treatment plant. The City should make new applications to the Water Court on a reasonably regular basis as ditch shares are acquired. Costs for the future case are anticipated to be lower than the recent 2002CW392 case, since the City will use the 2002CW392 case as a template for the future cases.



Funding Sources

Revenue	Raw Water Fund	Water SIF	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$113,300	\$0	\$113,300
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$113,300	\$0	\$113,300

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$113,300	\$0	\$113,300
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$113,300	\$0	\$113,300

Windy Gap Firming Project

Department:
Water & Power

Division:
Raw Water

Project Manager:
Larry Howard

Phone Number:
970.962.3703

Email:
howarl@ci.loveland.co.us

Project Category:
Planning

Project Numbers:
W038AA

Duration:
2013-2015

Total Project Cost: **\$24,188,947**

About the Project

The Windy Gap Firming Project as currently envisioned will provide a total of 90,000 acre-feet of storage to hold water developed in the original Windy Gap Project. It is anticipated the storage will be permitted in Chimney Hollow, the next valley immediately west of Carter Lake.



Loveland's portion of the total is currently subscribed at 7,000 acre-feet of storage. This storage will ensure that the City's 4,000 acre-feet of yield from the original Windy Gap Project will be available to the City on a reliable, or firm, basis. Environmental permits are still pending. Current projections have engineering design beginning in 2010, and construction could begin in 2012 or 2013, ending three to four years later depending on conditions experienced during construction.

Funding Sources

Revenue	Raw Water Fund	Water SIF	Total
Prior Years	\$1,559,597	\$0	\$1,559,597
2013	\$618,000	\$0	\$618,000
2014	\$275,220	\$0	\$275,220
2015	\$21,736,130	\$0	\$21,736,130
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$24,188,947	\$0	\$24,188,947

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$1,559,597	\$0	\$1,559,597
2013	\$618,000	\$0	\$608,570
2014	\$275,220	\$0	\$277,550
2015	\$21,736,130	\$0	\$21,066,180
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$24,188,947	\$0	\$24,188,947

Colorado Big Thompson Water Purchases

Department:
Water & Power

Division:
Raw Water

Project Manager:
Larry Howard

Phone Number:
970.962.3703

Email:
howarl@ci.loveland.co.us

Project Category:
Planning

Project Numbers:
W10144

Duration:
2011-2021

Total Project Cost: **\$10,573,510**

About the Project

These funds will allow purchase of Colorado Big Thompson Project units should favorable opportunities become available. The water originates in the Colorado River Basin and is brought to the North Front Range through a system of tunnels, pipelines and turbines, where power is generated along the way. Having this flexible source of raw water available in addition to water diverted from the Big Thompson River provides redundancy in the City's raw water supplies and spreads the risk of water shortages due to drought out over a larger geographic area.



Funding Sources

Revenue	Raw Water Fund	Water SIF	Total
Prior Years	\$4,500,400	\$0	\$4,500,400
2013	\$500,000	\$0	\$500,000
2014	\$521,250	\$0	\$521,250
2015	\$543,400	\$0	\$543,400
2016	\$566,500	\$0	\$566,500
2017	\$590,570	\$0	\$590,570
2018	\$615,670	\$0	\$615,670
2019	\$641,840	\$0	\$641,840
2020	\$669,120	\$0	\$669,120
2021	\$697,560	\$0	\$697,560
2022	\$727,200	\$0	\$727,200
Total	\$10,573,510	\$0	\$10,573,510

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$4,500,400	\$0	\$4,500,400
2013	\$500,000	\$0	\$500,000
2014	\$521,250	\$0	\$521,250
2015	\$543,400	\$0	\$543,400
2016	\$566,500	\$0	\$566,500
2017	\$590,570	\$0	\$590,570
2018	\$615,670	\$0	\$615,670
2019	\$641,840	\$0	\$641,840
2020	\$669,120	\$0	\$669,120
2021	\$697,560	\$0	\$697,560
2022	\$727,200	\$0	\$727,200
Total	\$10,573,510	\$0	\$10,573,510

Trade of Water Rights – 402 Corridor

Department:
Water & Power

Division:
Raw Water

Project Manager:
Larry Howard

Phone Number:
970.962.3703

Email:
howarl@ci.loveland.co.us

Project Category:
Planning

Project Numbers:
NA

Duration:
2019

Total Project Cost:
\$693,190

About the Project

The City (Raw Water Enterprise Fund) purchased water along Highway 402, formerly owned by Three "O" Partnership. The water is described as 27 shares of Home Supply Ditch. Water and Power staff has been considering ways for the City to use this water. One option is to trade the water to Johnstown. This water



is the same type of water that Johnstown already makes use of; however, a change in Water Court would be required. Johnstown has other water carried in the Home Supply Ditch in which Johnstown gets a reduced yield. If and when a trade is accepted, the City (Raw Water Enterprise Fund) would dispose of this asset and the City (Raw Water Enterprise Fund) would acquire another asset (a different type of water right). Due to time involved in doing a Water Court transfer, the trade would not be expected until 2019.

Funding Sources

Revenue	Raw Water Fund	Water SIF	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$693,190	\$0	\$693,190
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$693,190	\$0	\$693,190

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$693,190	\$0	\$693,190
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$693,190	\$0	\$693,190

Miscellaneous Wastewater Treatment Plant Projects

Department:
Water & Power

Division:
Wastewater

Project Manager:
Michael McCrary

Phone Number:
970.962.2572

Email:
mccram@ci.loveland.co.us

Project Category:
Planning/Construction

Project Numbers:
Various

Duration:
2013-2022

**Total Project
Cost:
\$2,076,510**

About the Project

Miscellaneous Wastewater Treatment Plant projects include Automated Data Acquisition, heating, ventilation and lighting system installations and gas conditioning. These projects allow the City to maintain or increase Plant treatment capacity to provide high quality wastewater treatment to the City.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$120,000	\$30,000	\$150,000
2014	\$834,000	\$208,500	\$1,042,500
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$38,980	\$0	\$38,980
2018	\$349,210	\$0	\$349,210
2019	\$0	\$0	\$0
2020	\$247,910	\$247,910	\$495,820
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$1,590,100	\$486,410	\$2,076,510

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$150,000	\$0	\$150,000
2014	\$0	\$1,042,500	\$1,042,500
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$38,980	\$0	\$38,980
2018	\$40,630	\$308,580	\$349,210
2019	\$0	\$0	\$0
2020	\$82,440	\$413,380	\$495,820
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$312,050	\$1,764,460	\$2,076,510

New Laboratory Building

Department:
Water & Power

Division:
Wastewater

Project Manager:
John McGee

Phone Number:
970.962.3760

Email:
mcgeej@ci.loveland.co.us

Project Category:
Planning/Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost: **\$2,414,460**

About the Project

This project consists of a new water quality lab building for water and wastewater regulatory and non-regulatory laboratory analysis.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$154,848	\$38,712	\$193,560
2016	\$1,776,720	\$444,180	\$2,220,900
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$1,931,568	\$482,892	\$2,414,460

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$193,560	\$0	\$193,560
2016	\$201,790	\$2,019,110	\$2,220,900
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$395,350	\$2,019,110	\$2,414,460

Digester Projects at the WWTP

Department:
Water & Power

Division:
Wastewater

Project Manager:
John McGee

Phone Number:
970.962.2572

Email:
mcgeej@ci.loveland.co.us

Project Category:
Planning/Construction

Project Numbers:
W1227H
W1228H
W1229G

Duration:
2013-2022

**Total Project
Cost:
\$3,040,630**

About the Project

This project includes Flare Modifications, Mixing System design and construction and Digester Sludge Heating System design and construction.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$1,073,600	\$240,000	\$1,313,600
2014	\$331,680	\$82,920	\$414,600
2015	\$1,049,944	\$262,486	\$1,312,430
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$2,455,224	\$585,406	\$3,040,630

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$217,000	\$1,096,600	\$1,313,600
2014	\$139,900	\$274,700	\$414,600
2015	\$145,850	\$1,166,580	\$1,312,430
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$502,750	\$2,537,880	\$3,040,630

Blower & Aeration Basin Diffusers at Wastewater Treatment Plant

Department:
Water & Power

Division:
Wastewater

Project Manager:
Michael McCrary

Phone Number:
970.962.2572

Email:
mccram@ci.loveland.co.us

Project Category:
Planning/Construction

Project Numbers:
N/A

Duration:
2013-2022

Total Project Cost: **\$1,040,050**

About the Project

This project provides capacity increase of secondary treatment system to increase current capacity above 80% design threshold. We are required to be designing improvements for increased capacity when plant capacity is at 80% of design capacity or (16,200 ppd of BOD5 or 8 mgd of influent flow) and under construction when plant is at 95% of design capacity (19,300 lb/day of BOD5 or 9.5 mgd of influent flow). This project may be assimilated into the Nutrient Removal process project if the current regulatory trajectory continues.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$76,144	\$19,036	\$95,180
2015	\$755,896	\$188,974	\$944,870
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$832,040	\$208,010	\$1,040,050

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$95,180	\$0	\$95,180
2015	\$58,360	\$886,510	\$944,870
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$153,540	\$886,510	\$1,040,050

Nutrient Treatment Facilities at Wastewater Treatment Plant

Department:
Water & Power

Division:
Wastewater

Project Manager:
Michael McCrary

Phone Number:
970.962.2572

Email:
[*mccram@ci.loveland.co.us*](mailto:mccram@ci.loveland.co.us)

Project Category:
Planning/Construction

Project Numbers:
N/A

Duration:
2013-2022

Total Project Cost:

\$6,625,910

About the Project

This project will provide additional treatment to remove nutrients and meet anticipated regulated nutrient criteria restrictions. Additional nutrient treatment facilities may need to be on line by 2016 to meet upcoming nutrient criteria for total nitrogen and total phosphorus. The need for these criteria in Colorado and the rest of the nation is mandated by the USEPA and is designed to lower algal bloom in all rivers in the USA in order to reduce oxygen demand from decomposing biomatter.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$457,240	\$114,310	\$571,550
2016	\$1,597,976	\$399,494	\$1,997,470
2017	\$3,245,512	\$811,378	\$4,056,890
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$5,300,728	\$1,325,182	\$6,625,910

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$571,550	\$0	\$571,550
2016	\$173,350	\$1,824,120	\$1,997,470
2017	\$380,330	\$3,676,560	\$4,056,890
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$1,125,230	\$5,500,680	\$6,625,910

Aeration Basin at Wastewater Treatment Plant

Department:
Water & Power

Division:
Wastewater

Project Manager:
Michael McCrary

Phone Number:
970.962.2572

Email:
mccram@ci.loveland.co.us

Project Category:
Planning/Construction

Project Numbers:
N/A

Duration:
2013-2022

Total Project Cost: **\$4,387,470**

About the Project

This project will provide BOD capacity increase of secondary treatment system to increase current capacity above 80% design threshold and re-rate the plant capacity to 12 mgd and 28,500 lbs / day BOD5. This coincides with the nutrient removal project.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$281,584	\$70,396	\$351,980
2018	\$3,228,392	\$807,098	\$4,035,490
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$3,509,976	\$877,494	\$4,387,470

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$351,980	\$0	\$351,980
2018	\$366,940	\$3,668,550	\$4,035,490
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$718,920	\$3,668,550	\$4,387,470

Primary Clarifier at Wastewater Treatment Plant

Department:
Water & Power

Division:
Wastewater

Project Manager:
Michael McCrary

Phone Number:
970.962.2572

Email:
[*mccram@ci.loveland.co.us*](mailto:mccram@ci.loveland.co.us)

Project Category:
Planning/Construction

Project Numbers:
N/A

Duration:
2013-2022

Total Project Cost: **\$3,155,620**

About the Project

This project will provide a treatment capacity increase of the primary treatment system to 12 mgd max month design to provide additional plant capacity for City growth. The primary clarifier will be constructed in the area now occupied by the de-commissioned trickling filters.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$132,148	\$198,222	\$330,370
2019	\$1,130,100	\$1,695,150	\$2,825,250
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$1,262,248	\$1,893,372	\$3,155,620

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$330,370	\$0	\$330,370
2019	\$317,580	\$2,507,670	\$2,825,250
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$647,950	\$2,507,670	\$3,155,620

Demolition of Trickling Filters at Wastewater Treatment Plant

Department:
Water & Power

Division:
Wastewater

Project Manager:
Michael McCrary

Phone Number:
970.962.2572

Email:
mccram@ci.loveland.co.us

Project Category:
Planning/Construction

Project Numbers:
N/A

Duration:
2013-2022

Total Project Cost: **\$693,090**

About the Project

This project is for the demolition of the existing trickling filter basins to make room for the new primary clarifier. This project coincides with the Project K Primary Clarifier project.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$56,770	\$0	\$56,770
2019	\$636,320	\$0	\$636,320
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$693,090	\$0	\$693,090

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$56,770	\$0	\$56,770
2019	\$59,180	\$577,140	\$636,320
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$115,950	\$577,140	\$693,090

Digested Sludge Dewatering at Wastewater Treatment Plant

Department:
Water & Power

Division:
Wastewater

Project Manager:
Michael McCrary

Phone Number:
970.962.2572

Email:
[*mccram@ci.loveland.co.us*](mailto:mccram@ci.loveland.co.us)

Project Category:
Planning/Construction

Project Numbers:
N/A

Duration:
2013-2022

Total Project Cost: **\$7,533,920**

About the Project

This project is recommended based on the 2007 Solids Management Study and will provide onsite dewatering capability to reduce the volume of digested biosolids hauled off site and reduce dependence on liquid waste hauling. This project will be built in the area of the WAS thickening building and will incorporate centrifuges for dewatering and solids cake loading into biosolids hauling trucks.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$483,896	\$120,974	\$604,870
2020	\$2,752,856	\$688,214	\$3,441,070
2021	\$2,790,384	\$697,596	\$3,487,980
2022	\$0	\$0	\$0
Total	\$6,027,136	\$1,506,784	\$7,533,920

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$604,870	\$0	\$604,870
2020	\$362,930	\$3,078,140	\$3,441,070
2021	\$279,020	\$3,208,960	\$3,487,980
2022	\$0	\$0	\$0
Total	\$1,246,820	\$6,287,100	\$7,533,920

Future Digester at the WWTP

Department:
Water & Power

Division:
Wastewater

Project Manager:
John McGee

Phone Number:
970.962.3760

Email:
[*mcgeej@ci.loveland.co.us*](mailto:mcgeej@ci.loveland.co.us)

Project Category:
Planning/Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost: **\$7,783,380**

About the Project

This project will add a third digester to the wastewater treatment plant to maintain current and anticipated solids treatment regulations. As loadings on the treatment plant increase, design and regulatory criteria will necessitate more digestion capacity.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$3,891,690	\$3,891,690	\$7,783,380
Total	\$3,891,690	\$3,891,690	\$7,783,380

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$7,783,380	\$7,783,380
Total	\$0	\$7,783,380	\$7,783,380

East and West Channel Bar Screen Replacement

Department:
Water & Power

Division:
Wastewater

Project Manager:
John McGee

Phone Number:
970.962.3760

Email:
mcgeej@ci.loveland.co.us

Project Category:
Planning/Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost: **\$1,177,330**

About the Project

Mechanical screening to remove rags, trash, and other detritus from the flow entering the wastewater treatment plant is the first treatment action taken by the plant. This step helps protect all downstream processes and equipment from clogs and equipment damage. This project will install a more robust screenings system to protect all plant processes.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$484,358	\$161,453	\$645,810
2017	\$398,640	\$132,880	\$531,520
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$882,998	\$294,333	\$1,177,330

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$79,310	\$566,500	\$645,810
2017	\$59,060	\$472,460	\$531,520
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$138,370	\$1,038,960	\$1,177,330

Digester Building Code Compliance

Department:
Water & Power

Division:
Wastewater

Project Manager:
John McGee

Phone Number:
970.962.3760

Email:
mcgeej@ci.loveland.co.us

Project Category:
Planning/Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost: **\$1,473,380**

About the Project

The Digester Building was constructed in 1986. The relevant Fire and Electrical codes have been revised several times since then. Digester gas can be present in this building and special code compliance and safety measures are required. The safety of staff and plant neighbors necessitates that compliance with the updated codes be established.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$900,000	\$0	\$900,000
2014	\$573,380	\$0	\$573,380
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$1,473,380	\$0	\$1,473,380

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$150,000	\$750,000	\$900,000
2014	\$52,130	\$521,250	\$573,380
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$202,130	\$1,271,250	\$1,473,380

Miscellaneous Oversizing and Extension Projects

Department:
Water & Power

Division:
Wastewater

Project Manager:
Melissa Morin

Phone Number:
970.962.3709

Email:
Melissa.Morin@cityofloveland.org

Project Category:
Construction

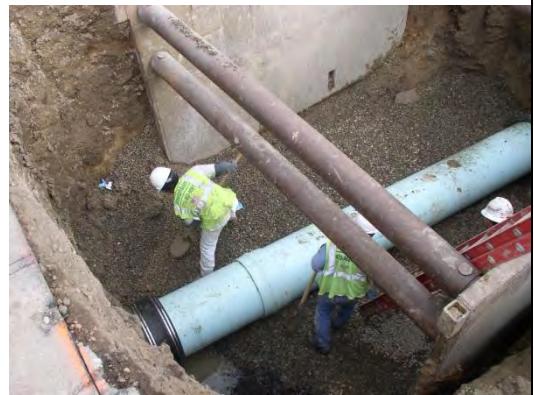
Project Number:
W1232H

Duration:
2013-2022

**Total Project
Cost:
\$910,970**

About the Project

As development on the fringes of the City occurs, private developers design and install wastewater infrastructure to serve their specific project. When the City anticipates additional capacity is desired to serve wastewater needs above and beyond that which is related to the proposed development, the Utility may require a larger pipeline to be installed by the Developer. The Utility reimburses the Developer for these increased costs through the Extension and Oversizing program. Future anticipated wastewater main alignment and sizes have been planned for in the Water/Wastewater Master Plan.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$75,000	\$75,000
2014	\$0	\$78,190	\$78,190
2015	\$0	\$81,510	\$81,510
2016	\$0	\$84,970	\$84,970
2017	\$0	\$88,590	\$88,590
2018	\$0	\$92,350	\$92,350
2019	\$0	\$96,280	\$96,280
2020	\$0	\$100,370	\$100,370
2021	\$0	\$104,630	\$104,630
2022	\$0	\$109,080	\$109,080
Total	\$0	\$910,970	\$910,970

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$75,000	\$75,000
2014	\$0	\$78,190	\$78,190
2015	\$0	\$81,510	\$81,510
2016	\$0	\$84,970	\$84,970
2017	\$0	\$88,590	\$88,590
2018	\$0	\$92,350	\$92,350
2019	\$0	\$96,280	\$96,280
2020	\$0	\$100,370	\$100,370
2021	\$0	\$104,630	\$104,630
2022	\$0	\$109,080	\$109,080
Total	\$0	\$910,970	\$910,970

Fairgrounds/ Namaqua Interceptor rehab

Department:
Water & Power

Division:
Wastewater

Project Manager:
Craig Weinland

Phone Number:
970.962.3750

Email:
Craig.Weinland@cityofloveland.org

Project Category:
Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost: **\$677,630**

About the Project

This project consists of rehabilitating approximately 2600 linear feet of 30-inch RCP for the portion of the interceptor located between S Lincoln and S Saint Louis Avenues which has experienced hydrogen sulfide corrosion. The rehabilitation of the Interceptor will consist of cleaning, videotaping, gasket and tree root cutting, pulling a Cured-In-Place-Pipe (CIPP) liner through the line, and reinstating active services. The project also includes the rehabilitation of manholes along the Interceptor line. Manhole restoration will depend on the corrosion level and may include removal and replacement or surface preparation and installation of a cured in places sulfide resistant lining.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$677,630	\$0	\$677,630
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$677,630	\$0	\$677,630

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$677,630	\$677,630
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$677,630	\$677,630

Boyd Interceptor Projects

Department:
Water & Power

Division:
Wastewater

Project Manager:
Melissa Morin

Phone Number:
970.962.3750

Email:
Melissa.Morin@cityofloveland.org

Project Category:
Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost:
\$5,977,700

About the Project

The Boyd Lake Interceptor projects include the installation of new parallel line segments in the north central part of the City. The parallel lines will add wastewater capacity for the north and northwestern parts of the City. Timing and need for these projects will be dictated primarily by growth in northwest Loveland.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$112,210	\$112,210
2018	\$738,810	\$732,650	\$1,471,460
2019	\$0	\$1,412,050	\$1,412,050
2020	\$0	\$173,970	\$173,970
2021	\$0	\$2,371,690	\$2,371,690
2022	\$436,320	\$0	\$436,320
Total	\$1,175,130	\$4,802,570	\$5,977,700

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$112,210	\$0	\$112,210
2018	\$240,110	\$1,231,350	\$1,471,460
2019	\$128,370	\$1,283,680	\$1,412,050
2020	\$173,970	\$0	\$173,970
2021	\$139,510	\$2,232,180	\$2,371,690
2022	\$0	\$436,320	\$436,320
Total	\$794,170	\$5,183,530	\$5,977,700

Miscellaneous Sewer Line Rehabilitation Projects

Department:

Water & Power

Division:
Wastewater

Project Manager:
Craig Weinland

Phone Number:
970.962.3750

Email:
Craig.Weinland@cityofloveland.org

Project Category:
Construction

Project Number:
N/A

Duration:
2013-2022

About the Project

Replacing aging infrastructure is a growing need within the utility. After several decades pass, wastewater mains and manholes reach the end of their service life and require increased maintenance and rehabilitation costs. In some cases, these costs can become unacceptably high and the utility is best served by rehabilitating the facilities. Typically, most communities face increasing rehabilitation costs as the age of installed infrastructure advances.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$200,000	\$0	\$200,000
2014	\$375,300	\$0	\$375,300
2015	\$391,250	\$0	\$391,250
2016	\$226,600	\$0	\$226,600
2017	\$236,230	\$0	\$236,230
2018	\$246,270	\$0	\$246,270
2019	\$256,740	\$0	\$256,740
2020	\$267,650	\$0	\$267,650
2021	\$279,020	\$0	\$279,020
2022	\$290,880	\$0	\$290,880
Total	\$2,769,940	\$0	\$2,769,940

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$200,000	\$200,000
2014	\$0	\$375,300	\$375,300
2015	\$0	\$391,250	\$391,250
2016	\$0	\$226,600	\$226,600
2017	\$0	\$236,230	\$236,230
2018	\$0	\$246,270	\$246,270
2019	\$0	\$256,740	\$256,740
2020	\$0	\$267,650	\$267,650
2021	\$0	\$279,020	\$279,020
2022	\$0	\$290,880	\$290,880
Total	\$0	\$2,769,940	\$2,769,940

**Total Project Cost:
\$2,769,940**

Hwy 402 Wastewater Main Extension

Department:
Water & Power

Division:
Wastewater

Project Manager:
Rebecca Norton

Phone Number:
970.962.3715

Email:
Rebecca.Norton@cityofloveland.org

Project Category:
Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost: **\$4,966,700**

About the Project

This project includes the design and construction of a new wastewater main to provide for future development along the Highway 402 corridor as well as the southeast corner of the City's wastewater service area. The main will be designed to maximize gravity flow, but will need a regional lift station to collect wastewater. A condition of annexation was agreed upon for the Olson Annexation that the City would provide wastewater service to the Annexation upon development.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$434,720	\$434,720
2016	\$0	\$4,531,980	\$4,531,980
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$4,966,700	\$4,966,700

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$434,720	\$0	\$434,720
2016	\$0	\$4,531,980	\$4,531,980
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$434,720	\$4,531,980	\$4,966,700

North Horseshoe Lift Station Upgrades

Department:
Water & Power

Division:
Wastewater

Project Manager:
Rebecca Norton

Phone Number:
970.962.3715

Email:
Rebecca.Norton@cityofloveland.org

Project Category:
Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost: \$950,060

About the Project

Upgrades to the existing lift station will increase pumping capacity to provide adequate sewer service to potential development and population growth in areas north of Horseshoe Reservoir. Design will include a condition assessment, adding a 3rd pump, and verifying whether to serve the existing Lago Vista Mobile Home Park.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$147,760	\$0	\$147,760
2019	\$802,300	\$0	\$802,300
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$950,060	\$0	\$950,060

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$147,760	\$0	\$147,760
2019	\$96,280	\$706,020	\$802,300
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$244,040	\$706,020	\$950,060

South Side Lift Station Force Main to WWTP

Department:
Water & Power

Division:
Wastewater

Project Manager:
Rebecca Norton

Phone Number:
970.962.3715

Email:
Rebecca.Norton@cityofloveland.org

Project Category:
Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost: \$1,927,360

About the Project

The South Side Lift Station was constructed in 1983 in anticipation for significant growth in the southeast portion of the City. Due to growth occurring in other areas of town, the force main and lift station are currently oversized. The oversized facilities cause the pumps to only operate once every hour and much less frequently at night. The force main discharges directly to the wastewater treatment plant (WWTP). The large force main, infrequent pumping and proximity to the WWTP cause large surges which overwhelm and complicate the treatment process. The proposed project will add a smaller force main and pumps allowing discharges to the WWTP to be smaller and more steady resulting in less strain and improved efficiency at the plant.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$258,580	\$0	\$258,580
2019	\$1,668,780	\$0	\$1,668,780
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$1,927,360	\$0	\$1,927,360

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$258,580	\$0	\$258,580
2019	\$128,370	\$1,540,410	\$1,668,780
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$386,950	\$1,540,410	\$1,927,360

East Side Discharge Trunk to WWTP

Department:
Water & Power

Division:
Wastewater

Project Manager:
Rebecca Norton

Phone Number:
970.962.3715

Email:
Rebecca.Norton@cityofloveland.org

Project Category:
Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost: \$1,569,500

About the Project

Growth and development on the east side of Loveland will drive the need for the East Side Discharge Trunk to the Wastewater Treatment Plant (WWTP) project. The proposed project will create additional wastewater capacity from the Eastside Lift Station discharge location to the WWTP.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$1,569,500	\$1,569,500
2022	\$0	\$0	\$0
Total	\$0	\$1,569,500	\$1,569,500

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$174,390	\$1,395,110	\$1,569,500
2022	\$0	\$0	\$0
Total	\$174,390	\$1,395,110	\$1,569,500

Collection System Corrosion Control

Department: Water & Power

Division: Wastewater

Project Manager: John McGee

Phone Number: 970.962.3760

Email: John.McGee@cityofloveland.org

Project Category: Construction

Project Number: WI225G

Duration: 2013-2022

Total Project Cost: \$1,038,790

About the Project

The City's wastewater collection system has a significant corrosion problem resulting from the presence of hydrogen sulfide gas. One way to reduce the gas is to strategically place chemical injection sites throughout the City. The proposed project will greatly slow the degradation of concrete collection lines, manholes and vaults.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$320,000	\$80,000	\$400,000
2014	\$250,200	\$62,550	\$312,750
2015	\$260,832	\$65,208	\$326,040
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$831,032	\$207,758	\$1,038,790

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$400,000	\$400,000
2014	\$0	\$312,750	\$312,750
2015	\$0	\$326,040	\$326,040
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$1,038,790	\$1,038,790

East Side Lift Station Upgrades

Department:
Water & Power

Division:
Wastewater

Project Manager:
Tom Greene

Phone Number:
970.962.3706

Email:
Tom.Greene@cityofloveland.org

Project Category:
Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost: **\$802,190**

About the Project

As growth continues on the east side of Loveland, the need for additional capacity at the East Side Lift Station will occur. This proposed project will enlarge the lift station to handle the additional wastewater. The lift station upgrades must be coordinated with the East Side Discharge to WWTP project to ensure that downstream capacity is in place for the larger station.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$802,190	\$802,190
2022	\$0	\$0	\$0
Total	\$0	\$802,190	\$802,190

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$104,630	\$697,560	\$802,190
2022	\$0	\$0	\$0
Total	\$104,630	\$697,560	\$802,190

Miscellaneous Lift Station Projects

Department:
Water & Power

Division:
Wastewater

Project Manager:
John McGee

Phone Number:
970.962.3760

Email:
John.McGee@cityofloveland.org

Project Category:
Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost: \$370,000

About the Project

The Miscellaneous Lift Station Projects include upgrades to the 29th Street Lift Station and the decommissioning of the Barberry Lift Station. The 29th Street Lift Station needs replacement equipment and the Barberry Lift Station has reached its capacity. Barberry can be replaced with a gravity line allowing for the facility to be decommissioned and saving operations and maintenance costs.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years			\$0
2013	\$160,000	\$210,000	\$370,000
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$160,000	\$210,000	\$370,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$120,000	\$250,000	\$370,000
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$120,000	\$250,000	\$370,000

Miscellaneous Wastewater General Plant Projects

Department:

Water & Power

Division:
Wastewater

Project Manager:
Chris Watkins

Phone Number:
970.962.3712

Email:
Chris.Matkins@cityofloveland.org

Project Category:
Construction

Project Number:
WW930

Duration:
2013-2022

Total Project Cost: **\$495,560**

About the Project

Budgeted dollars are to cover the capital expenses for equipment which is necessary to operate and maintain the wastewater utility. Such expenses might include vehicles, software, large tool and equipment purchases.



Funding Sources

Revenue	Waste Fund	Waste SIF	Total
Prior Years	\$0	\$0	\$0
2013	\$261,000	\$0	\$261,000
2014	\$69,920	\$0	\$69,920
2015	\$53,800	\$0	\$53,800
2016	\$61,860	\$0	\$61,860
2017	\$48,980	\$0	\$48,980
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$495,560	\$0	\$495,560

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$0	\$0	\$0
2013	\$0	\$261,000	\$261,000
2014	\$0	\$69,920	\$69,920
2015	\$0	\$53,800	\$53,800
2016	\$0	\$61,860	\$61,860
2017	\$0	\$48,980	\$48,980
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$495,560	\$495,560

Water General Plant Projects

Department:
Water & Power

Division:
Water

Project Manager:
Chris Matkins

Phone Number:
970.962.3712

Email:
matkic@ci.loveland.co.us

Project Category:
Construction

Project Number:
WA930

Duration:
2012-2021

Total Project Cost: **\$971,200**

About the Project

Budgeted dollars are to cover the capital expenses for equipment which is necessary to operate and maintain the water utility. Such expenses might include vehicles, software, large tool and equipment purchases.



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$620,500	\$0	\$620,500
2014	\$124,770	\$0	\$124,770
2015	\$106,620	\$0	\$106,620
2016	\$74,100	\$0	\$74,100
2017	\$45,210	\$0	\$45,210
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$971,200	\$0	\$971,200

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$0	\$620,500	\$620,500
2014	\$0	\$124,770	\$124,770
2015	\$0	\$106,620	\$106,620
2016	\$0	\$74,100	\$74,100
2017	\$0	\$45,210	\$45,210
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$971,200	\$971,200

Water Line Replacements

Department:
Water & Power

Division:
Water

Project Manager:
Craig Weinland

Phone Number:
970.962.3750

Email:
Craig.Weinland@cityofloveland.org

Project Category:
Planning/Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost:
\$22,914,120

About the Project

Replacing aging infrastructure is a growing need within the utility. After decades, water pipes, valves, and fire hydrants reach the end of their service life and require increasing maintenance and rehabilitation costs. In some cases, these costs can become unacceptably high and the utility is best served by replacing the facilities. Typically, most communities face increasing replacement costs as the age of installed infrastructure advances.



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$2,028,880	\$0	\$2,028,880
2014	\$2,101,450	\$0	\$2,101,450
2015	\$1,960,870	\$0	\$1,960,870
2016	\$2,125,670	\$0	\$2,125,670
2017	\$2,362,300	\$0	\$2,362,300
2018	\$2,462,690	\$0	\$2,462,690
2019	\$2,567,360	\$0	\$2,567,360
2020	\$1,605,880	\$0	\$1,605,880
2021	\$2,790,220	\$0	\$2,790,220
2022	\$2,908,800	\$0	\$2,908,800
Total	\$22,914,120	\$0	\$22,914,120

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$547,330	\$1,481,550	\$2,028,880
2014	\$85,960	\$2,015,490	\$2,101,450
2015	\$184,100	\$1,776,770	\$1,960,870
2016	\$0	\$2,125,670	\$2,125,670
2017	\$0	\$2,362,300	\$2,362,300
2018	\$0	\$2,462,690	\$2,462,690
2019	\$0	\$2,567,360	\$2,567,360
2020	\$0	\$1,605,880	\$1,605,880
2021	\$0	\$2,790,220	\$2,790,220
2022	\$0	\$2,908,800	\$2,908,800
Total	\$817,390	\$22,096,730	\$22,914,120

Extension and Oversizing Projects

Department:
Water & Power

Division:
Water

Project Manager:
Melissa Morin

Phone Number:
970.962.3709

Email:
Melissa.Morin@cityofloveland.org

Project Category:
Planning/Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost: **\$910,970**

About the Project

As development on the fringes of the City occurs, private developers design and install water infrastructure to serve their specific project. When the City anticipates additional capacity is desired to serve water needs above and beyond that which is related to the proposed development, the Utility may require a larger water pipeline to be installed by the Developer. The Utility reimburses the Developer for these increased costs through the Extension and Oversizing program.



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$0	\$75,000	\$75,000
2014	\$0	\$78,190	\$78,190
2015	\$0	\$81,510	\$81,510
2016	\$0	\$84,970	\$84,970
2017	\$0	\$88,590	\$88,590
2018	\$0	\$92,350	\$92,350
2019	\$0	\$96,280	\$96,280
2020	\$0	\$100,370	\$100,370
2021	\$0	\$104,630	\$104,630
2022	\$0	\$109,080	\$109,080
Total	\$0	\$910,970	\$910,970

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$0	\$75,000	\$75,000
2014	\$0	\$78,190	\$78,190
2015	\$0	\$81,510	\$81,510
2016	\$0	\$84,970	\$84,970
2017	\$0	\$88,590	\$88,590
2018	\$0	\$92,350	\$92,350
2019	\$0	\$96,280	\$96,280
2020	\$0	\$100,370	\$100,370
2021	\$0	\$104,630	\$104,630
2022	\$0	\$109,080	\$109,080
Total	\$0	\$910,970	\$910,970

Morning Dr. Alternate 30" Water Line

Department:
Water & Power

Division:
Water

Project Manager:
Rebecca Norton

Phone Number:
970.962.3715

Email:
Rebecca.Norton@cityofloveland.org

Project Category:
Planning/Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost:
\$4,791,034

About the Project

The northwest region of the City's water service area is currently supplied by a single 24-inch waterline installed in the 1960's. Increasing repair frequency and water demands as well as an increase in the number of water customers relying on this line necessitates a new, alternate



waterline. This new waterline will ensure that City customers relying on this critical water delivery system have the supply and redundancy necessary to provide adequate service in the coming decades.

Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years	\$111,661	\$334,983	\$446,644
2013	\$38,750	\$116,250	\$155,000
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$70,542	\$211,628	\$282,170
2020	\$976,805	\$2,930,415	\$3,907,220
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$1,197,758	\$3,593,276	\$4,791,034

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years	\$446,644	\$0	\$446,644
2013	\$0	\$155,000	\$155,000
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$282,170	\$0	\$282,170
2020	\$294,160	\$3,613,060	\$3,907,220
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$1,022,974	\$3,768,060	\$4,791,034

Morning Drive Pump Station

Department:
Water & Power

Division:
Water

Project Manager:
Rebecca Norton

Phone Number:
970.962.3715

Email:
Rebecca.Norton@cityofloveland.org

Project Category:
Planning/Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost:
\$1,287,940

About the Project

The Morning Drive Pump Station was constructed in 1976. The station delivers water to the 29th Street storage tank, which serves over a quarter of the City's customers. The equipment is aging and the pump station will require an upgrade to re-size the facilities to meet the needs of the City's growing system.



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$55,327	\$165,983	\$221,310
2020	\$266,657	\$799,973	\$1,066,630
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$321,984	\$965,956	\$1,287,940

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$221,310	\$0	\$221,310
2020	\$125,490	\$941,140	\$1,066,630
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$346,800	\$941,140	\$1,287,940

East Gravity Zone – 24” and 16” Lines

Department:
Water & Power

Division:
Water

Project Manager:
Rebecca Norton

Phone Number:
970.962.3715

Email:
Rebecca.Norton@cityofloveland.org

Project Category:
Planning/Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost:
\$7,757,700

About the Project

The project consists of the installation of a parallel 16-inch line, connecting the discharge line of the new Mountain View booster station with a recently installed 24-inch waterline to the north. This project will also include provisions for a large-diameter bore and casing pipe under Highway 34. The



proposed line is required to maintain adequate system pressure on the east side of the City.

Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$198,140	\$198,140	\$396,280
2018	\$1,409,890	\$1,409,890	\$2,819,780
2019	\$1,594,970	\$1,594,970	\$3,189,940
2020	\$100,370	\$100,370	\$200,740
2021	\$575,480	\$575,480	\$1,150,960
2022	\$0	\$0	\$0
Total	\$3,878,850	\$3,878,850	\$7,757,700

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$396,280	\$0	\$396,280
2018	\$726,490	\$2,093,290	\$2,819,780
2019	\$128,370	\$3,061,570	\$3,189,940
2020	\$200,740	\$0	\$200,740
2021	\$104,630	\$1,046,330	\$1,150,960
2022	\$0	\$0	\$0
Total	\$1,556,510	\$6,201,190	\$7,757,700

29th Street 5.0 MG Storage Tank #2

Department:
Water & Power

Division:
Water

Project Manager:
Rebecca Norton

Phone Number:
970.962.3715

Email:
Rebecca.Norton@cityofloveland.org

Project Category:
Planning/Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost: \$7,172,270

About the Project

The 29th Street steel tank is one of the most utilized storage facilities supporting over a quarter of the City's water customers. The project will provide a second 5.0 million gallon storage tank at this critical location. The additional storage will offer redundancy and reliability for water customers in Northwest Loveland.



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$240,140	\$240,140	\$480,280
2018	\$1,638,185	\$1,638,185	\$3,276,370
2019	\$1,707,810	\$1,707,810	\$3,415,620
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$3,586,135	\$3,586,135	\$7,172,270

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$480,280	\$0	\$480,280
2018	\$160,530	\$3,115,840	\$3,276,370
2019	\$167,350	\$3,248,270	\$3,415,620
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$808,160	\$6,364,110	\$7,172,270

New Water Lines

-12 Inch 10th Street

RR Spur to

Madison

-16 Inch in Granite

(57th to 50th)

Department:
Water & Power

Division:
Water

Project Manager:
Melissa Morin

Phone Number:
970.962.3709

Email:
Melissa.Morin@cityofloveland.org

Project Category:
Planning/Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost:
\$924,520

About the Project

The proposed 12-inch waterline connects an existing 12-inch waterline in 10th Street to another 12-inch line in Madison Avenue. Likewise, the proposed 16-inch waterline connects an existing 16-inch line in 50th Street to an existing 12-inch line in 57th Street. The connections will improve hydraulic capacity and will provide additional reliability for each respective area.



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$95,670	\$31,890	\$127,560
2017	\$316,755	\$105,585	\$422,340
2018	\$280,965	\$93,655	\$374,620
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$693,390	\$231,130	\$924,520

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$127,560	\$0	\$127,560
2017	\$136,140	\$286,200	\$422,340
2018	\$69,370	\$305,250	\$374,620
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$333,070	\$591,450	\$924,520

Southwest Booster Station

Department:
Water & Power

Division:
Water

Project Manager:
Rebecca Norton

Phone Number:
970.962.3715

Email:
Rebecca.Norton@cityofloveland.org

Project Category:
Planning/Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost:
\$3,057,870

About the Project

The proposed Southwest Booster station is needed in the future to fill the City's South Concrete Tank, located near the intersection of S Taft Ave and 42nd St SE. The tank supports the southern portion of the City. The timing and need for the pump station will depend on growth in the southern portion of the City.



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$133,825	\$133,825	\$267,650
2021	\$1,395,110	\$1,395,110	\$2,790,220
2022	\$0	\$0	\$0
Total	\$1,528,935	\$1,528,935	\$3,057,870

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$267,650	\$0	\$267,650
2021	\$0	\$2,790,220	\$2,790,220
2022	\$0	\$0	\$0
Total	\$267,650	\$2,790,220	\$3,057,870

Miscellaneous Transmission & Distribution Projects

Department:
Water & Power

Division:
Water

Project Manager:
Craig Weinland

Phone Number:
970.962.3750

Email:
Craig.Weinland@cityofloveland.org

Project Category:
Planning/Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost: **\$1,035,990**

About the Project

Projects include Water Meters and a Vulnerability Assessment



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$81,000	\$0	\$81,000
2014	\$136,580	\$0	\$136,580
2015	\$88,030	\$0	\$88,030
2016	\$91,770	\$0	\$91,770
2017	\$95,680	\$0	\$95,680
2018	\$99,740	\$0	\$99,740
2019	\$103,970	\$0	\$103,970
2020	\$108,400	\$0	\$108,400
2021	\$113,010	\$0	\$113,010
2022	\$117,810	\$0	\$117,810
Total	\$1,035,990	\$0	\$1,035,990

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$0	\$81,000	\$81,000
2014	\$0	\$136,580	\$136,580
2015	\$0	\$88,030	\$88,030
2016	\$0	\$91,770	\$91,770
2017	\$0	\$95,680	\$95,680
2018	\$0	\$99,740	\$99,740
2019	\$0	\$103,970	\$103,970
2020	\$0	\$108,400	\$108,400
2021	\$0	\$113,010	\$113,010
2022	\$0	\$117,810	\$117,810
Total	\$0	\$1,035,990	\$1,035,990

Water Line Projects Coordinated with Public Works

Department:
Water & Power

Division:
Water

Project Manager:
Craig Weinland

Phone Number:
970.962.3750

Email:
Craig.Weinland@cityofloveland.org

Project Category:
Planning/Construction

Project Number:
N/A

Duration:
2013-2022

Total Project Cost:
\$1,400,060

About the Project

The Water Division plans for projects that align with major street or stormwater improvements. The coordinated projects share costs between City Departments and they minimize disruption to the public. The two major waterline coordination projects are Taft Avenue Phase 2 and the Loveland Outfall Phase 3 (Sherri Mar).



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$65,450	\$0	\$65,450
2019	\$188,510	\$0	\$188,510
2020	\$1,146,100	\$0	\$1,146,100
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$1,400,060	\$0	\$1,400,060

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$65,450	\$65,450
2019	\$188,510	\$0	\$188,510
2020	\$0	\$1,146,100	\$1,146,100
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$188,510	\$1,211,550	\$1,400,060

Water Treatment Plant Projects

Department:
Water & Power

Division:
Water

Project Manager:
John McGee

Phone Number:
970.962.3760

Email:
mcgeej@ci.loveland.co.us

Project Category:
Planning/Construction

Project Number:
NA

Duration:
2013-2021

Total Project Cost: **\$1,613,830**

About the Project

Water Treatment Plant projects include a house demolition project, CT Compliance, SCADA Improvements, Floc/SED #1 and #2 Retrofit and a Cold Water Pumps project. These projects will improve and expand for plant treatment operations and create higher system reliability and efficiency.



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$474,800	\$450,000	\$924,800
2014	\$60,150	\$0	\$60,150
2015	\$43,470	\$0	\$43,470
2016	\$453,200	\$0	\$453,200
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$132,210	\$0	\$132,210
Total	\$1,163,830	\$450,000	\$1,613,830

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$24,800	\$900,000	\$924,800
2014	\$7,090	\$53,060	\$60,150
2015	\$43,470	\$0	\$43,470
2016	\$0	\$453,200	\$453,200
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$30,690	\$101,520	\$132,210
Total	\$106,050	\$1,507,780	\$1,613,830

Filter Plant #2 Improvements at Water Treatment Plant

Department:
Water & Power

Division:
Water

Project Manager:
John McGee

Phone Number:
970.962.3760

Email:
mcgeej@ci.loveland.co.us

Project Category:
Planning/Construction

Project Number:
NA

Duration:
2013-2021

Total Project Cost:
\$1,287,540

About the Project

A series of phased projects for rehabilitation of 90 year old filters and building. Project began in 2010 for improving piping, valves, electrical, HVAC, and controls.

Projects continued into 2011 and 2012 for the complete rehabilitation of 4 filters and will continue over the next 4 years for rehabilitation of 8 more filters and building elements.

Projects will increase life expectancy of the filters and building up to 50 to 100 years and reduce backwash water consumption by 50% which reduces energy and saves water.



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$1,046,800	\$0	\$1,046,800
2014	\$0	\$0	\$0
2015	\$135,740	\$0	\$135,740
2016	\$0	\$0	\$0
2017	\$105,000	\$0	\$105,000
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$1,287,540	\$0	\$1,287,540

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$0	\$1,046,800	\$1,046,800
2014	\$0	\$0	\$0
2015	\$0	\$135,740	\$135,740
2016	\$0	\$0	\$0
2017	\$0	\$105,000	\$105,000
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$0	\$1,287,540	\$1,287,540

Solids Dewatering and Handling

Department:
Water & Power

Division:
Water

Project Manager:
John McGee

Phone Number:
970.962.3760

Email:
mcgeej@ci.loveland.co.us

Project Category:
Planning/Construction

Project Number:
NA

Duration:
2013-2021

**Total Project
Cost:
\$4,640,450**

About the Project

A phased approach to handling and disposing current and future solids loadings that are created as material (solids) is removed from the raw water during treatment processes. The material is pumped to open/shallow ponds for settling, drying and disposal that eventually follow at the landfill. The solids have to dry out before they can be hauled to the landfill or land reclamation. Due to space and climatic conditions and increased solids loadings, the Water Treatment Plant will be required to enhance dewatering using mechanical/chemical means to meet regulatory and operational needs.



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$186,110	\$186,110	\$372,220
2022	\$2,134,115	\$2,134,115	\$4,268,230
Total	\$2,320,225	\$2,320,225	\$4,640,450

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$372,220	\$0	\$372,220
2022	\$388,030	\$3,880,200	\$4,268,230
Total	\$760,250	\$3,880,200	\$4,640,450

Filter Plant #1 Demo and Expansion at the Water Treatment Plant

Department:
Water & Power

Division:
Water

Project Manager:
John McGee

Phone Number:
970.962.3760

Email:
mcgeej@ci.loveland.co.us

Project Category:
Planning/Construction

Project Number:
NA

Duration:
2013-2021

Total Project Cost: **\$7,512,690**

About the Project

Beginning 2013, the 94 year old Filter Plant #1 building will be demolished and a new 8 MGD filter building will be constructed in its place. The project will expand the filtration capacity of the WTP to 8 MGD and will provide greater redundancy and level of service for the City customers.



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$299,200	\$299,200	\$598,400
2014	\$1,692,605	\$1,692,605	\$3,385,210
2015	\$1,764,540	\$1,764,540	\$3,529,080
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$3,756,345	\$3,756,345	\$7,512,690

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$598,400	\$0	\$598,400
2014	\$277,410	\$3,107,800	\$3,385,210
2015	\$289,200	\$3,239,880	\$3,529,080
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$1,165,010	\$6,347,680	\$7,512,690

Chemical Building at Water Treatment Plant

Department:
Water & Power

Division:
Water

Project Manager:
John McGee

Phone Number:
970.962.3760

Email:
mcgeej@ci.loveland.co.us

Project Category:
Planning/Construction

Project Number:
NA

Duration:
2013-2021

Total Project Cost: \$10,284,380

About the Project

In 2011, a preliminary design and assessment was conducted by CH2M Hill to identify current chemical feed deficiencies and future chemical feed needs for the treatment processes at the Water Treatment Plant. The design report indicates that the Plant is currently deficient in chemical storage capacity, ventilation in existing chemical areas, system controls, and no room for expansion within existing chemical buildings. In addition, the current disinfection system uses chlorine gas which has been a target as a security and safety risk by Home Land Security. It is likely the Plant will be required to switch to disinfection systems that are less of a security and safety risk. It is proposed to construct a new chemical building for alum, polymer, fluoride, on-site generation of sodium hypochlorite and chlorine dioxide and storage to meet current and future water treatment requirements.



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$606,803	\$202,267	\$809,070
2017	\$3,479,310	\$1,159,770	\$4,639,080
2018	\$3,627,173	\$1,209,057	\$4,836,230
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$7,713,286	\$2,571,094	\$10,284,380

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$809,070	\$0	\$809,070
2017	\$421,790	\$4,217,290	\$4,639,080
2018	\$439,710	\$4,396,520	\$4,836,230
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$1,670,570	\$8,613,810	\$10,284,380

Electrical Feed Improvements at Water Treatment Plant

Department:
Water & Power

Division:
Water

Project Manager:
John McGee

Phone Number:
970.962.3760

Email:
mcgeej@ci.loveland.co.us

Project Category:
Planning/Construction

Project Number:
NA

Duration:
2013-2021

Total Project Cost: \$1,136,130

About the Project

Secondary electrical improvements at the Water Treatment Plant will be required to replace aged and outdated switchgear and increase motor control capacity for future plant demands.



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$301,905	\$301,905	\$603,810
2015	\$266,160	\$266,160	\$532,320
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$568,065	\$568,065	\$1,136,130

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$139,170	\$464,640	\$603,810
2015	\$47,930	\$484,390	\$532,320
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$187,100	\$949,030	\$1,136,130

Lagoon 8 Project

Department:
Water & Power

Division:
Water

Project Manager:
John McGee

Phone Number:
970.962.3760

Email:
mcgeej@ci.loveland.co.us

Project Category:
Planning/Construction

Project Number:
NA

Duration:
2013-2021

**Total Project
Cost:
\$1,050,000**

About the Project

Additional sludge storage and drying capacity is required at the WTP initiating the 8th sludge storage lagoon. Water plant residuals created from coagulation / settling and filter backwash have increased due to increased water production. Currently the WTP does not have enough capacity to adequately store, dry and haul the WTP residuals. The 8th pond will improve storage capacity, however, more storage will be required in a few short years. One large improvement the City accomplished was completing and approval of a permit to allow the disposal of WTP residuals for land reclamation. Previously the WTP residuals were hauled to the County landfill at 2 to 3 times the cost to use the residuals for reclamation. This saves the City up to \$25,000 per year.



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$1,050,000	\$0	\$1,050,000
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$1,050,000	\$0	\$1,050,000

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$150,000	\$900,000	\$1,050,000
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$0	\$0	\$0
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$150,000	\$900,000	\$1,050,000

Lagoon 9 Project

Department:
Water & Power

Division:
Water

Project Manager:
John McGee

Phone Number:
970.962.3760

Email:
mcgeej@ci.loveland.co.us

Project Category:
Planning/Construction

Project Number:
NA

Duration:
2013-2021

**Total Project
Cost:
\$1,070,580**

About the Project

Lagoon 9 is a phased project that will be constructed for increasing the storage and drying capacity for the WTP residuals. This is required and regulated by the Colorado Department of Public Health and Environment.



Funding Sources

Revenue	Water Fund	Water SIF	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$535,290	\$535,290	\$1,070,580
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$535,290	\$535,290	\$1,070,580

Project Cost Estimates By Year

Elements	Planning	Construction	Total
Prior Years			\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$0	\$0
2016	\$0	\$0	\$0
2017	\$0	\$0	\$0
2018	\$0	\$0	\$0
2019	\$0	\$0	\$0
2020	\$133,820	\$936,760	\$1,070,580
2021	\$0	\$0	\$0
2022	\$0	\$0	\$0
Total	\$133,820	\$936,760	\$1,070,580