

# 2016 - 2025 Capital Program





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# Capital Program

## 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 2016-2025 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 2016 Recommended Budget, which will be adopted in October. Projects included in the “out-years” (2017–2025) 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

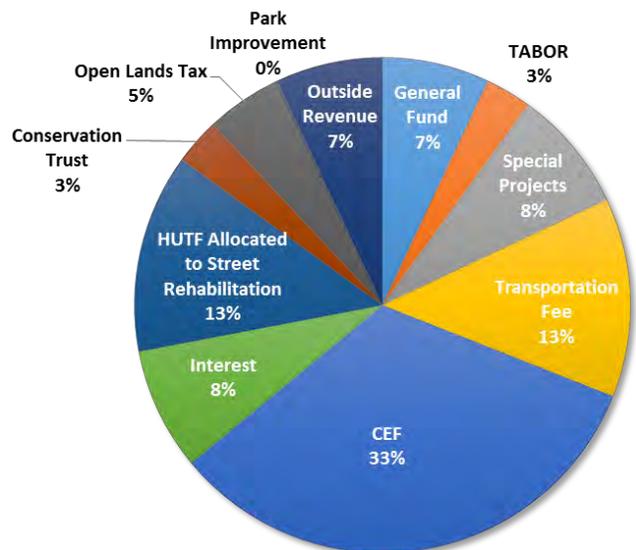
The 2016-2025 Capital Program for General Fund agencies is a financial program for the City to maintain existing facilities and infrastructure and meet the needs for new facilities and infrastructure. These projects are funded through taxes, impact fees, or other special revenues. Capital projects for 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

CEFs are a major funding component at 33% of the total program. 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 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 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

2016-2025 Capital Resources



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.

Within the Transportation Fund the most significant revenue is the Transportation Fee charged to all households and businesses. This fee is collected to partially fund the Street Rehabilitation Program, which includes pavement overlays, street reconstruction and curb and gutter repair. A portion of the State distribution of Highway User Tax Funds (HUTF) completes the funding for the program. These two sources are 26% of the total revenue for General Fund Agencies program. For the Transportation Program that consists of new street construction or street widening projects, Tabor Reserves from the General Fund are combined with impact fees to fund the program.

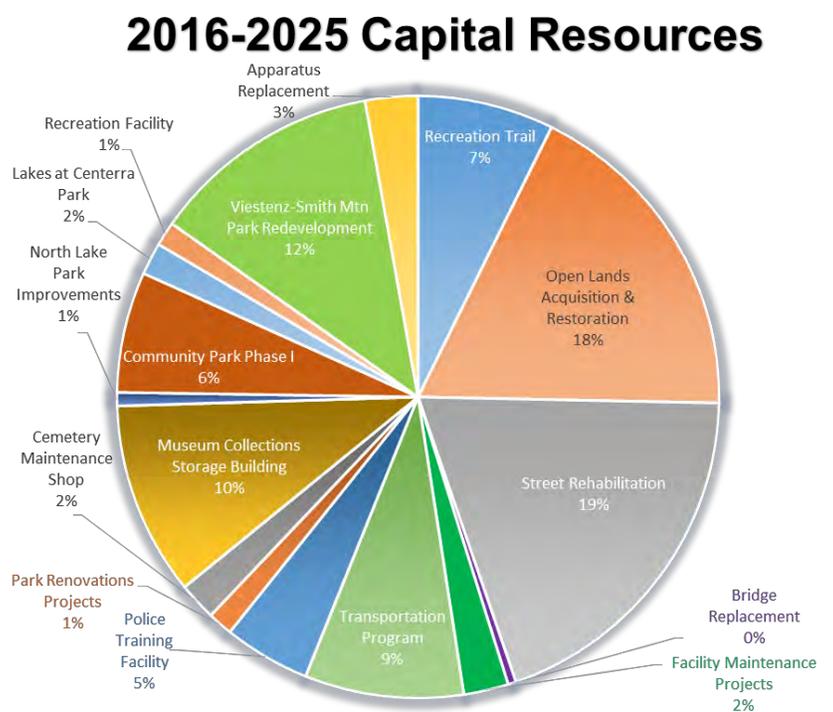
The other major source of funding for the Capital Program, at 10%, is from General Fund resources, which include General Fund tax revenue or fund balance and the TABOR reserve. The availability of General Fund resources is linked to the Financial Master Plan, which programs both capital and operating funding related to capital projects.

**Expenses**

The Capital Program Summary has three subgroups of capital expenses. The “Infrastructure” subgroup includes all vertical construction, land purchases, park development, and street construction and maintenance. The “Software and Technology Projects” subgroup includes all technology related software and hardware projects. 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.

All Building Project costs in 2016 are in current dollars. 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 on the previous page. 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 Agency Capital Projects Descriptions

The following is a summary of the major projects:

### ***Bricks & Mortar***

- **Recreation Trail Construction** – \$5.8 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** – \$24.1 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 21 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 \$3.0 million towards this effort over five years using General Fund revenues.
- **Transportation Program** – \$11.2 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** – \$24.1 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 Storage Facility** – A 12,000 square foot building purchase is programmed at \$2.4 million. The funding source is Cultural Services CEFs.
- **Police Training Facility** – A new training facility is programmed in three phases over the five year program at \$6.8 million, include a shooting range, driving track and classroom space. **Loveland Sports Park Phase II** – Development of the next phase of the Loveland Sports Park is scheduled for 2017-2018 at a cost of \$3.0 million. The funding sources are Park CEFs and Recreation CEFs.
- **Fire Station #10 and Fire Training Center Property** – \$3.5 million is scheduled for 2018. This new construction of Fire Station #10 is partially funded by the Rural Fire Authority. An additional \$2.8 million is scheduled for the design and improvements for the training center property.
- **Viestenz-Smith Mountain Park Redevelopment** - \$2.9 million is programmed in 2016 for the park that was destroyed by the 2013 Big Thompson Flood.

### ***New & Replacement Equipment***

- **Fire Apparatus Replacement** – \$1.3 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.

The program has been developed based on the rate structure approved in the 2016 Budget 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 five year planning period include:

- \$7.6 million is allocated over the planning period for water line replacements.
- \$1.5 million for the Mod Valve Vault rehabilitation.

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:

- \$25.2 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.
- \$2.4 million is allocated over the 5-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:

- \$29.4 million for treatment plant expansion and improvements to meet new state and federal regulatory guidelines.
- \$3.0 million is allocated for Boyd Lake interceptor projects to handle planned growth in the northwest part of the City.
- \$5.5 million is included for the construction of a new laboratory building.
- \$1.9 million is planned for sewer line rehabilitation projects and corrosion control.
- \$2.0 million for the East and West Channel Bar Screen Replacement to ensure trash and other detritus from entering the treatment plant.
- \$9.0 million for the nutrient removal facility.

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:

- \$1.7 million for land purchase for a new substation.
- \$10.6 million in system improvements.
- \$5.1 million to construct the Highway 402 Feeder extension.
- \$8.9 million for projected growth due to new construction. These projects are initiated and paid for by developers.
- \$1.6 million for new feeders from Boyd Lake to County Road 30.
- \$1.8 million for new components and a feeder extension at the Valley Substation.
- \$2.3 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.
- \$13.1 million for underground conversion projects.
- \$1.9 million is allocated for street light improvements and maintenance.
- \$1.7 million is allocated for feeder line extensions.
- \$1.6 million for new feeders from the new 29<sup>th</sup> Street substation.
- \$2.4 million for new components at the Valley Substation.
- \$4.7 million for new components at the new substation at southeast corner of service territory.

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 in the next five years include:

- \$11.7 million is allocated for the Garfield and Harrison Outfall.
- \$7.72 million is allocated for the South Loveland Outfall.
- \$6.0 million is allocated for new equipment.

- \$5.0 million is allocated for maintenance and asset management projects.
- \$1.7 million is allocated for the South Rist Benson Lake Outfall.
- \$1.5 million is allocated for the Airport Basin North Outfall.
- \$1.2 million is allocated for the 29<sup>th</sup> and Monroe Outfall.
- \$1.2 million is allocated for Boyd Lake Outlet Ditch improvements.
- \$1.1 million is allocated for the Silver Lake drainage improvements.
- \$1.0 million is allocated for the Benson Park & 29<sup>th</sup> Street Culvert improvements.

The Golf Enterprise Capital Program is for improvements to the three City owned courses and their amenities, and the equipment needed to maintain the courses. Major projects in the next five years include:

- \$2.1 million for equipment replacement.
- \$0.6 million for renovations, repairs and infrastructure at the courses.

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**2016-2025 All Funds Recommended Capital Program**

	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Five Year Total</b>
<b><u>Enterprise Funds</u></b>						
Golf Enterprise	793,370	1,043,073	921,390	156,680	337,470	3,251,983
Power Enterprise	13,877,030	7,445,660	11,996,480	14,383,480	11,711,350	59,414,000
Water Enterprise	2,596,606	1,399,960	1,062,240	2,999,350	5,173,810	13,231,966
Wastewater Enterprise	29,231,510	11,618,250	6,119,640	3,738,390	381,090	51,088,880
Raw Water Enterprise	2,620,820	674,680	33,498,150	580,560	612,890	37,987,100
Storm Water Enterprise	4,247,000	3,752,000	3,532,000	5,982,500	1,806,000	19,319,500
<b>Total Enterprise Funds</b>	<b>53,366,336</b>	<b>25,933,623</b>	<b>57,129,900</b>	<b>27,840,960</b>	<b>20,022,610</b>	<b>184,293,429</b>
<b><u>CEF Funds</u></b>						
Street CEF	1,424,000	1,518,400	1,579,000	2,887,000	1,087,000	8,495,400
Parks CEF Fund	1,900,000	500,000	2,900,000	950,000	1,750,000	8,000,000
Recreation CEF Fund	300,000	-	-	-	-	300,000
Open Space CEF Fund	-	1,860,000	55,000	-	1,143,250	3,058,250
Trails CEF Fund	706,330	114,460	610,230	-	200,000	1,631,020
General Government CEF Fund	-	-	-	-	-	-
Fire CEF Fund	-	695,610	3,660,110	400,000	-	4,755,720
Police CEF Fund	537,500	1,530,000	-	-	-	2,067,500
Library CEF Fund	-	-	-	-	-	-
Cultural Services CEF Fund	2,400,000	-	-	-	-	2,400,000
<b>Total CEF Funds</b>	<b>7,267,830</b>	<b>6,218,470</b>	<b>8,804,340</b>	<b>4,237,000</b>	<b>4,180,250</b>	<b>30,707,890</b>
<b><u>General Funds</u></b>						
General Funds	1,125,400	1,038,800	593,800	1,114,600	786,100	4,658,700
General Fund TABOR	4,601,410	6,530,130	1,231,610	413,000	387,000	13,163,150
Special Projects	-	-	-	-	-	-
Transportation Fund (street maint)	4,483,170	4,620,670	4,862,290	5,008,160	5,158,400	24,132,690
Conservation Trust Fund	1,151,660	684,370	1,300,000	1,800,000	-	4,936,030
Park Improvement Fund	310,000	100,000	300,000	500,000	100,000	1,310,000
Open Lands Tax Fund	4,156,000	4,705,000	3,975,000	930,000	273,000	14,039,000
<b>Total General Funds</b>	<b>15,827,640</b>	<b>17,678,970</b>	<b>12,262,700</b>	<b>9,765,760</b>	<b>6,704,500</b>	<b>62,239,570</b>
<b>Total Expense</b>	<b>\$ 76,461,806</b>	<b>\$ 49,831,063</b>	<b>\$ 78,196,940</b>	<b>\$ 41,843,720</b>	<b>\$ 30,907,360</b>	<b>\$ 277,240,889</b>

2021	2022	2023	2024	2025	Ten Year Total
239,730	545,770	317,990	2,293,390	644,930	7,293,793
10,302,590	21,581,374	18,880,921	10,417,986	10,327,021	130,923,892
7,938,580	8,282,010	17,640,150	1,867,320	4,832,600	53,792,626
5,635,240	8,843,430	16,863,030	5,363,570	2,016,800	89,810,950
649,470	688,230	729,300	772,820	818,940	41,645,860
6,348,000	5,435,000	2,219,000	8,208,000	2,353,000	43,882,500
31,113,610	45,375,814	56,650,391	28,923,086	20,993,291	367,349,621
1,058,200	1,766,500	1,825,500	1,897,500	1,934,500	16,977,600
1,500,000	-	1,450,000	900,000	3,000,000	14,850,000
-	-	4,360,000	9,000,000	-	13,660,000
-	800,000	500,000	400,000	350,000	5,108,250
200,000	200,000	225,000	225,000	225,000	2,706,020
-	-	-	1,979,500	-	1,979,500
-	-	-	-	-	4,755,720
-	-	-	-	-	2,067,500
-	-	-	-	-	-
-	-	2,290,500	11,000,000	-	15,690,500
2,758,200	2,766,500	10,651,000	25,402,000	5,509,500	77,795,090
1,419,400	681,400	705,300	729,970	6,222,500	14,417,270
390,800	558,500	586,500	620,500	990,500	16,309,950
-	-	-	-	-	-
5,313,150	5,472,540	5,636,720	5,805,820	5,979,990	52,340,910
-	1,300,000	-	1,300,000	-	7,536,030
200,000	-	200,000	300,000	-	2,010,000
1,175,000	750,000	720,000	750,000	950,000	18,384,000
8,498,350	8,762,440	7,848,520	9,506,290	14,142,990	110,998,160
<b>\$ 42,370,160</b>	<b>\$ 56,904,754</b>	<b>\$ 75,149,911</b>	<b>\$ 63,831,376</b>	<b>\$ 40,645,781</b>	<b>\$ 556,142,871</b>

2016-2025 General Fund Agencies Recommended Capital Program

	2016	2017	2018	2019	2020	Five Year Total
<b>Revenue</b>						
<b>Beginning Balance</b>	\$ 58,706,329	\$ 54,223,072	\$ 48,806,009	\$ 46,438,220	\$ 49,158,889	58,706,329
General Fund	1,125,400	1,038,800	593,800	1,114,600	786,100	4,658,700
TABOR	2,000,000	2,000,000	1,000,000	100,000	100,000	5,200,000
Special Projects	1,341,380	1,340,530	1,353,680	1,411,110	1,471,020	6,917,720
Transportation Fee	2,241,585	2,310,335	2,431,145	2,504,080	2,579,200	12,066,345
CEF	5,890,900	6,049,640	6,212,720	6,380,230	6,552,320	31,085,810
Interest	660,130	832,140	1,002,440	1,076,040	1,321,080	4,891,830
HUTF Allocated to Street Rehabilitation	2,241,585	2,310,335	2,431,145	2,504,080	2,579,200	12,066,345
Conservation Trust	553,335	910,517	485,233	476,841	471,716	2,897,642
Open Lands Tax	2,303,377	1,433,000	1,193,693	900,233	889,199	6,719,502
Park Improvement	56,253	56,812	57,377	57,947	58,523	286,912
Outside Revenue	198,268	198,268	1,938,018	198,268	198,268	2,731,090
<b>Total Resources</b>	\$ 77,318,542	\$ 72,703,449	\$ 67,505,260	\$ 63,161,649	\$ 66,165,515	\$ 148,228,225
<b>Expense</b>						
<b>Infrastructure</b>						
Recreation Trail	1,691,330	798,830	1,810,230	1,300,000	200,000	5,800,390
Open Lands Acquisition & Restoration	4,156,000	6,565,000	4,030,000	930,000	1,416,250	17,097,250
Street Rehabilitation	4,483,170	4,620,670	4,862,290	5,008,160	5,158,400	24,132,690
Transportation Program	1,970,000	2,448,000	2,000,000	3,300,000	1,474,000	11,192,000
Facility Maintenance Major Building Maintenance	443,800	573,800	593,800	440,800	636,100	2,688,300
Facility Maintenance Roof Replacement	110,600	-	-	173,800	-	284,400
Bridge Replacement Program	100,000	100,000	-	-	-	200,000
Police Training Facility	1,075,000	5,750,000	-	-	-	6,825,000
Park Renovations Projects	310,000	100,000	300,000	-	100,000	810,000
Neighborhood Parks	-	-	-	300,000	1,450,000	1,750,000
Maintenance Operations Center Remodel	-	-	-	-	-	-
Cemetery Maintenance Shop	471,000	-	-	-	-	471,000
Museum Collections Storage Building	2,400,000	-	-	-	-	2,400,000
Loveland Sports Park	-	300,000	2,700,000	-	-	3,000,000
North Lake Park Improvements	166,660	-	100,000	1,000,000	-	1,266,660
Park ADA Transition Plan	-	200,000	-	-	-	200,000
Fairgrounds Park Expansion	-	-	100,000	400,000	-	500,000
Fire Station 10 & Apparatus for W Coverage	-	-	3,079,500	400,000	-	3,479,500
Junior Achievement Park	-	-	-	750,000	-	750,000
Kroh Park	-	-	-	-	300,000	300,000
Community Park Phase I	1,500,000	-	-	-	-	1,500,000
Lakes at Centerra Park Reimbursement	400,000	200,000	100,000	-	-	700,000
Recreation Facility	300,000	-	-	-	-	300,000
Viestenz-Smith Mtn Park Redevelopment	2,865,610	-	-	-	-	2,865,610
Centennial Park Concessions	-	165,000	-	-	-	165,000
Fire Training Center Property Development	-	1,391,220	1,391,220	-	-	2,782,440
North Lake Miniature Train Replacement	-	-	-	-	150,000	150,000
Museum Expansion	-	-	-	-	-	-
<b>Subtotal Infrastructure</b>	\$ 22,443,170	\$ 23,212,520	\$ 21,067,040	\$ 14,002,760	\$ 10,884,750	\$ 91,610,240
<b>New &amp; Replacement Equipment</b>						
Apparatus Replacement	652,300	684,920	-	-	-	1,337,220
Public Works Heavy Equipment Replacement	-	-	-	-	-	-
<b>Subtotal Equipment</b>	\$ 652,300	\$ 684,920	\$ -	\$ -	\$ -	\$ 1,337,220
<b>Total</b>	\$ 23,095,470	\$ 23,897,440	\$ 21,067,040	\$ 14,002,760	\$ 10,884,750	\$ 92,947,460
<b>Reserve for Future Capital Projects</b>	\$ 54,223,072	\$ 48,806,009	\$ 46,438,220	\$ 49,158,889	\$ 55,280,765	\$ 55,280,765

Note: CEF funds are restricted to use, and while shown in the total bottom line, may not be able to 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.

	2021	2022	2023	2024	2025	Ten Year Total
\$	<b>55,280,765</b>	\$ <b>62,382,906</b>	\$ <b>69,190,796</b>	\$ <b>69,879,380</b>	\$ <b>64,587,133</b>	<b>58,706,329</b>
	1,419,400	681,400	705,300	729,970	6,222,500	<b>14,417,270</b>
	100,000	100,000	100,000	100,000	100,000	<b>5,700,000</b>
	1,533,520	1,598,720	1,666,740	1,737,710	1,811,740	<b>15,266,150</b>
	2,656,575	2,736,270	2,818,360	2,902,910	2,989,995	<b>26,170,455</b>
	6,729,120	6,910,740	7,097,330	7,289,010	7,485,940	<b>66,597,950</b>
	1,644,610	2,113,870	2,526,820	2,503,250	2,190,780	<b>15,871,160</b>
	2,656,575	2,736,270	2,818,360	2,902,910	2,989,995	<b>26,170,455</b>
	462,850	453,670	444,170	434,340	424,178	<b>5,116,850</b>
	898,668	747,930	752,471	756,790	-	<b>9,875,361</b>
	59,105	59,692	60,285	60,885	61,490	<b>588,369</b>
	198,268	198,268	198,268	10,198,268	198,268	<b>13,722,430</b>
\$	<b>73,639,456</b>	\$ <b>80,719,736</b>	\$ <b>88,378,900</b>	\$ <b>99,495,423</b>	<b>89,062,019</b>	\$ <b>258,202,779</b>
	200,000	200,000	225,000	225,000	225,000	<b>6,875,390</b>
	1,175,000	1,550,000	1,220,000	1,150,000	1,300,000	<b>23,492,250</b>
	5,313,150	5,472,540	5,636,720	5,805,820	5,979,990	<b>52,340,910</b>
	1,449,000	2,325,000	2,412,000	2,518,000	2,925,000	<b>22,821,000</b>
	658,400	601,400	480,300	343,000	755,500	<b>5,526,900</b>
	-	80,000	225,000	386,970	-	<b>976,370</b>
	-	-	-	-	-	<b>200,000</b>
	-	-	-	-	-	<b>6,825,000</b>
	200,000	1,300,000	200,000	1,600,000	-	<b>4,110,000</b>
	-	-	1,450,000	-	-	<b>3,200,000</b>
	-	-	-	-	-	<b>-</b>
	-	-	-	-	-	<b>471,000</b>
	-	-	-	-	-	<b>2,400,000</b>
	-	-	-	-	-	<b>3,000,000</b>
	-	-	-	-	-	<b>1,266,660</b>
	-	-	-	-	-	<b>200,000</b>
	-	-	-	-	-	<b>500,000</b>
	-	-	-	-	-	<b>3,479,500</b>
	-	-	-	-	-	<b>750,000</b>
	1,500,000	-	-	-	-	<b>1,800,000</b>
	-	-	-	900,000	8,100,000	<b>10,500,000</b>
	-	-	-	-	-	<b>700,000</b>
	-	-	4,360,000	9,000,000	-	<b>13,660,000</b>
	-	-	-	-	-	<b>2,865,610</b>
	-	-	-	-	-	<b>165,000</b>
	-	-	-	-	-	<b>2,782,440</b>
	-	-	-	-	-	<b>150,000</b>
	-	-	2,290,500	12,979,500	-	<b>15,270,000</b>
\$	<b>10,495,550</b>	\$ <b>11,528,940</b>	\$ <b>18,499,520</b>	\$ <b>34,908,290</b>	<b>19,285,490</b>	\$ <b>186,328,030</b>
	-	-	-	-	-	<b>1,337,220</b>
	761,000	-	-	-	367,000	<b>1,128,000</b>
\$	<b>761,000</b>	\$ -	\$ -	\$ -	<b>367,000</b>	<b>2,465,220</b>
\$	<b>11,256,550</b>	\$ <b>11,528,940</b>	\$ <b>18,499,520</b>	\$ <b>34,908,290</b>	<b>19,652,490</b>	\$ <b>188,793,250</b>
\$	<b>62,382,906</b>	\$ <b>69,190,796</b>	\$ <b>69,879,380</b>	\$ <b>64,587,133</b>	<b>69,409,529</b>	\$ <b>69,409,529</b>

<b>2016 Revenue Sources</b>	General Fund	GF Tabor	GF Special Projects	Transportation Fund	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	14,946,049	264,851	-	4,425,688	2,327,445	7,482,589	1,620,442	1,030,344
Current Year	1,125,400	2,000,000	1,341,380	-	1,531,660	1,339,030	634,730	320,030	196,520
Interest on Beginning Balance	-	-	-	-	66,390	34,910	112,240	24,310	15,460
HUTF Revenue Allocated to Street Maintenance	-	-	-	2,241,585	-	-	-	-	-
Transportation Fee	-	-	-	2,241,585	-	-	-	-	-
Internal Loan Repayment	-	-	-	-	28,324	28,324	28,324	28,324	-
<b>Total Resources</b>	<b>\$ 1,125,400</b>	<b>\$ 16,946,049</b>	<b>\$ 1,606,231</b>	<b>\$ 4,483,170</b>	<b>\$ 6,052,062</b>	<b>\$ 3,729,709</b>	<b>\$ 8,257,883</b>	<b>\$ 1,993,106</b>	<b>\$ 1,242,324</b>

### Project Requests 2016

Replace General Spartan Engine	-	652,300	-	-	-	-	-	-	-
Lakes at Centerra Park	-	-	-	-	-	400,000	-	-	-
North Lake Park	-	-	-	-	-	-	-	-	-
Recreation Trail	-	-	-	-	-	-	-	-	706,330
Recreation Facility	-	-	-	-	-	-	300,000	-	-
Viestenz-Smith Mtn Park Redevelopment	-	2,865,610	-	-	-	-	-	-	-
Community Park	-	-	-	-	-	1,500,000	-	-	-
Open Lands Acquisition	-	-	-	-	-	-	-	-	-
Parks Improvement Projects	-	-	-	-	-	-	-	-	-
Cemetery Buildings	471,000	-	-	-	-	-	-	-	-
Museum Storage Building	-	-	-	-	-	-	-	-	-
Police Training Facility Design	-	537,500	-	-	-	-	-	-	-
Facility Maintenance Capital (Building Maintenance Projects)	443,800	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Roof Replacement Program)	110,600	-	-	-	-	-	-	-	-
Transportation Program	-	546,000	-	-	1,424,000	-	-	-	-
Bridge Replacement Program	100,000	-	-	-	-	-	-	-	-
Street Maintenance	-	-	-	4,483,170	-	-	-	-	-
<b>Total 2016 Project Costs</b>	<b>\$ 1,125,400</b>	<b>\$ 4,601,410</b>	<b>\$ -</b>	<b>\$ 4,483,170</b>	<b>\$ 1,424,000</b>	<b>\$ 1,900,000</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ 706,330</b>
<b>2016 Ending Balance</b>	<b>\$ -</b>	<b>\$ 12,344,639</b>	<b>\$ 1,606,231</b>	<b>\$ -</b>	<b>\$ 4,628,062</b>	<b>\$ 1,829,709</b>	<b>\$ 7,957,883</b>	<b>\$ 1,993,106</b>	<b>\$ 535,994</b>

<b>2017 Revenue Sources</b>	General Fund	GF Tabor	GF Council Reserve	Transportation Fund	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	12,344,639	1,606,231	-	4,628,062	1,829,709	7,957,883	1,993,106	535,994
Current Year	1,038,800	2,000,000	1,340,530	-	1,577,610	1,371,170	649,960	327,710	201,240
Interest on Beginning Balance	-	-	-	-	92,560	36,590	159,160	39,860	10,720
HUTF Revenue Allocated to Street Maintenance	-	-	-	2,310,335	-	-	-	-	-
Transportation Fee	-	-	-	2,310,335	-	-	-	-	-
Internal Loan Repayment	-	-	-	-	28,324	28,324	28,324	28,324	-
<b>Total Resources</b>	<b>\$ 1,038,800</b>	<b>\$ 14,344,639</b>	<b>\$ 2,946,761</b>	<b>\$ 4,620,670</b>	<b>\$ 6,326,556</b>	<b>\$ 3,265,793</b>	<b>\$ 8,795,327</b>	<b>\$ 2,389,000</b>	<b>\$ 747,954</b>

### Project Requests 2017

Cemetery Buildings	-	-	-	-	-	-	-	-	-
Lakes at Centerra Park	-	-	-	-	-	200,000	-	-	-
Open Lands	-	-	-	-	-	-	-	1,860,000	-
Loveland Sports Park - Phase II Development On East Side - Planning - Year 1 of 2 Year Project	-	-	-	-	-	300,000	-	-	-
Park Improvement Projects	-	-	-	-	-	-	-	-	-
Recreation Trail	-	-	-	-	-	-	-	-	114,460
Centennial Park Concession	165,000	-	-	-	-	-	-	-	-
Apparatus Replacement	-	684,920	-	-	-	-	-	-	-
Parks ADA Transition Plan Update	200,000	-	-	-	-	-	-	-	-
Police Training Facility Construction Phase I	-	4,220,000	-	-	-	-	-	-	-
Facility Maintenance Capital (Building Maintenance Projects)	573,800	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Roof Replacement Program)	-	-	-	-	-	-	-	-	-
Transportation Program	-	929,600	-	-	1,518,400	-	-	-	-
Training Center Property	-	695,610	-	-	-	-	-	-	-
Bridge Replacement Program	100,000	-	-	-	-	-	-	-	-
Street Maintenance	-	-	-	4,620,670	-	-	-	-	-
<b>Total 2017 Project Costs</b>	<b>\$ 1,038,800</b>	<b>\$ 6,530,130</b>	<b>\$ -</b>	<b>\$ 4,620,670</b>	<b>\$ 1,518,400</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ 1,860,000</b>	<b>\$ 114,460</b>
<b>2017 Ending Balance</b>	<b>\$ -</b>	<b>\$ 7,814,509</b>	<b>\$ 2,946,761</b>	<b>\$ -</b>	<b>\$ 4,808,156</b>	<b>\$ 2,765,793</b>	<b>\$ 8,795,327</b>	<b>\$ 529,000</b>	<b>\$ 633,494</b>

Gen. Govt. CEF	Fire CEF	Police CEF	Library CEF	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
1,670,514	1,219,549	1,658,999	1,031,850	3,222,564	4,363,706	1,544,456	11,897,282	-	58,706,329
513,300	404,210	443,670	266,760	240,990	553,335	56,253	2,303,377	-	13,270,645
25,060	25,970	24,880	15,480	48,340	65,460	23,170	178,460	-	660,130
-	-	-	-	-	-	-	-	-	2,241,585
-	-	-	-	-	-	-	-	-	2,241,585
28,324	-	-	28,324	28,324	-	-	-	-	198,268
<b>\$ 2,237,198</b>	<b>\$ 1,649,729</b>	<b>\$ 2,127,549</b>	<b>\$ 1,342,414</b>	<b>\$ 3,540,218</b>	<b>\$ 4,982,501</b>	<b>\$ 1,623,879</b>	<b>\$ 14,379,119</b>	<b>\$ -</b>	<b>\$ 77,318,542</b>

-	-	-	-	-	-	-	-	-	652,300
-	-	-	-	-	-	-	-	-	400,000
-	-	-	-	-	166,660	-	-	-	166,660
-	-	-	-	-	985,000	-	-	-	1,691,330
-	-	-	-	-	-	-	-	-	300,000
-	-	-	-	-	-	-	-	-	2,865,610
-	-	-	-	-	-	-	-	-	1,500,000
-	-	-	-	-	-	-	4,156,000	-	4,156,000
-	-	-	-	-	-	310,000	-	-	310,000
-	-	-	-	-	-	-	-	-	471,000
-	-	-	-	2,400,000	-	-	-	-	2,400,000
-	-	537,500	-	-	-	-	-	-	1,075,000
-	-	-	-	-	-	-	-	-	443,800
-	-	-	-	-	-	-	-	-	110,600
-	-	-	-	-	-	-	-	-	1,970,000
-	-	-	-	-	-	-	-	-	100,000
-	-	-	-	-	-	-	-	-	4,483,170
<b>\$ -</b>	<b>\$ -</b>	<b>\$ 537,500</b>	<b>\$ -</b>	<b>\$ 2,400,000</b>	<b>\$ 1,151,660</b>	<b>\$ 310,000</b>	<b>\$ 4,156,000</b>	<b>\$ -</b>	<b>\$ 23,095,470</b>
<b>\$ 2,237,198</b>	<b>\$ 1,649,729</b>	<b>\$ 1,590,049</b>	<b>\$ 1,342,414</b>	<b>\$ 1,140,218</b>	<b>\$ 3,830,841</b>	<b>\$ 1,313,879</b>	<b>\$ 10,223,119</b>	<b>\$ -</b>	<b>\$ 54,223,072</b>

Gen. Govt. CEF	Fire CEF	Police CEF	Library CEF	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
2,237,198	1,649,729	1,590,049	1,342,414	1,140,218	3,830,841	1,313,879	10,223,119	-	54,223,072
528,700	416,340	456,980	273,160	246,770	910,517	56,812	1,433,000	-	12,829,299
44,740	59,700	31,800	26,850	22,800	76,620	26,280	204,460	-	832,140
-	-	-	-	-	-	-	-	-	2,310,335
-	-	-	-	-	-	-	-	-	2,310,335
28,324	-	-	28,324	28,324	-	-	-	-	198,268
<b>\$ 2,838,962</b>	<b>\$ 2,125,769</b>	<b>\$ 2,078,829</b>	<b>\$ 1,670,748</b>	<b>\$ 1,438,112</b>	<b>\$ 4,817,978</b>	<b>\$ 1,396,971</b>	<b>\$ 11,860,579</b>	<b>\$ -</b>	<b>\$ 72,703,449</b>

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	200,000
-	-	-	-	-	-	-	4,705,000	-	6,565,000
-	-	-	-	-	-	-	-	-	300,000
-	-	-	-	-	-	100,000	-	-	100,000
-	-	-	-	-	684,370	-	-	-	798,830
-	-	-	-	-	-	-	-	-	165,000
-	-	-	-	-	-	-	-	-	684,920
-	-	-	-	-	-	-	-	-	200,000
-	-	1,530,000	-	-	-	-	-	-	5,750,000
-	-	-	-	-	-	-	-	-	573,800
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	2,448,000
-	695,610	-	-	-	-	-	-	-	1,391,220
-	-	-	-	-	-	-	-	-	100,000
-	-	-	-	-	-	-	-	-	4,620,670
<b>\$ -</b>	<b>\$ 695,610</b>	<b>\$ 1,530,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 684,370</b>	<b>\$ 100,000</b>	<b>\$ 4,705,000</b>	<b>\$ -</b>	<b>\$ 23,897,440</b>
<b>\$ 2,838,962</b>	<b>\$ 1,430,159</b>	<b>\$ 548,829</b>	<b>\$ 1,670,748</b>	<b>\$ 1,438,112</b>	<b>\$ 4,133,608</b>	<b>\$ 1,296,971</b>	<b>\$ 7,155,579</b>	<b>\$ -</b>	<b>\$ 48,806,009</b>

<b>2018 Revenue Sources</b>	General Fund	GF Tabor	GF Council Reserve	Transportation Fund	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	7,814,509	2,946,761	-	4,808,156	2,765,793	8,795,327	529,000	633,494
Current Year	593,800	1,000,000	1,353,680	-	1,624,940	1,404,080	665,560	335,580	206,070
Interest on Beginning Balance	-	-	-	-	120,200	69,140	219,880	13,230	15,840
HUTF Revenue Allocated to Street Maintenance	-	-	-	2,431,145	-	-	-	-	-
Internal Loan Repayment	-	-	-	-	28,324	28,324	28,324	28,324	-
Transportation Fee	-	-	-	2,431,145	-	-	-	-	-
<b>Total Resources</b>	<b>\$ 593,800</b>	<b>\$ 8,814,509</b>	<b>\$ 4,300,441</b>	<b>\$ 4,862,290</b>	<b>\$ 6,581,620</b>	<b>\$ 4,267,337</b>	<b>\$ 9,709,091</b>	<b>\$ 906,134</b>	<b>\$ 855,404</b>

### Project Requests 2018

Construct New Fire Station 10 to Improve W Side Service	-	115,000	-	-	-	-	-	-	-
Lakes at Centerra Park	-	-	-	-	-	100,000	-	-	-
North Lake Park	-	-	-	-	-	-	-	-	-
Open Lands	-	-	-	-	-	-	-	55,000	-
Recreation Trail	-	-	-	-	-	-	-	-	610,230
Loveland Sports Park - Phase II Development On East Side - Construction - Year 2 of 2 Year Project	-	-	-	-	-	2,700,000	-	-	-
Park Improvement Projects	-	-	-	-	-	-	-	-	-
Fairgrounds Park (Year 1 of 2)	-	-	-	-	-	100,000	-	-	-
Police Training Facility Construction Phase II	-	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Building Maintenance Projects)	593,800	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Roof Replacement Program)	-	-	-	-	-	-	-	-	-
Training Center Property	-	695,610	-	-	-	-	-	-	-
Transportation Program	-	421,000	-	-	1,579,000	-	-	-	-
Street Maintenance	-	-	-	4,862,290	-	-	-	-	-
<b>Total 2018 Project Costs</b>	<b>\$ 593,800</b>	<b>\$ 1,231,610</b>	<b>\$ -</b>	<b>\$ 4,862,290</b>	<b>\$ 1,579,000</b>	<b>\$ 2,900,000</b>	<b>\$ -</b>	<b>\$ 55,000</b>	<b>\$ 610,230</b>
<b>2018 Ending Balance</b>	<b>\$ -</b>	<b>\$ 7,582,899</b>	<b>\$ 4,300,441</b>	<b>\$ -</b>	<b>\$ 5,002,620</b>	<b>\$ 1,367,337</b>	<b>\$ 9,709,091</b>	<b>\$ 851,134</b>	<b>\$ 245,174</b>

<b>2019 Revenue Sources</b>	General Fund	GF Tabor	GF Council Reserve	Transportation Fund	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	7,582,899	4,300,441	-	5,002,620	1,367,337	9,709,091	851,134	245,174
Current Year	1,114,600	100,000	1,411,110	-	1,673,690	1,437,780	681,530	343,630	211,020
Interest on Beginning Balance	-	-	-	-	150,080	41,020	291,270	25,530	7,360
HUTF Revenue Allocated to Street Maintenance	-	-	-	2,504,080	-	-	-	-	-
Internal Loan Repayment	-	-	-	-	28,324	28,324	28,324	28,324	-
Transportation Fee	-	-	-	2,504,080	-	-	-	-	-
<b>Total Resources</b>	<b>\$ 1,114,600</b>	<b>\$ 7,682,899</b>	<b>\$ 5,711,551</b>	<b>\$ 5,008,160</b>	<b>\$ 6,854,714</b>	<b>\$ 2,874,461</b>	<b>\$ 10,710,215</b>	<b>\$ 1,248,618</b>	<b>\$ 463,554</b>

### Project Requests 2019

Construct New Fire Station 10 to Improve W Side Service	-	-	-	-	-	-	-	-	-
Open Lands	-	-	-	-	-	-	-	-	-
Recreation Trail	-	-	-	-	-	-	-	-	-
North Lake Park	500,000	-	-	-	-	-	-	-	-
Junior Achievement Park	-	-	-	-	-	250,000	-	-	-
Fairgrounds Park (Year 2 of 2)	-	-	-	-	-	400,000	-	-	-
Neighborhood Parks	-	-	-	-	-	300,000	-	-	-
Facility Maintenance Capital (Building Maintenance Projects)	440,800	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Roof Replacement Program)	173,800	-	-	-	-	-	-	-	-
Transportation Program	-	413,000	-	-	2,887,000	-	-	-	-
Street Maintenance	-	-	-	5,008,160	-	-	-	-	-
<b>Total 2019 Project Costs</b>	<b>\$ 1,114,600</b>	<b>\$ 413,000</b>	<b>\$ -</b>	<b>\$ 5,008,160</b>	<b>\$ 2,887,000</b>	<b>\$ 950,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>2019 Ending Balance</b>	<b>\$ -</b>	<b>\$ 7,269,899</b>	<b>\$ 5,711,551</b>	<b>\$ -</b>	<b>\$ 3,967,714</b>	<b>\$ 1,924,461</b>	<b>\$ 10,710,215</b>	<b>\$ 1,248,618</b>	<b>\$ 463,554</b>

Gen. Govt. CEF	Fire CEF	Police CEF	Library CEF	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
2,838,962	1,430,159	548,829	1,670,748	1,438,112	4,133,608	1,296,971	7,155,579	-	48,806,009
544,560	428,830	470,690	279,720	252,690	485,233	57,377	1,193,693	1,739,750	12,636,253
70,970	87,090	13,720	41,770	35,950	103,340	32,420	178,890	-	1,002,440
-	-	-	-	-	-	-	-	-	2,431,145
28,324	-	-	28,324	28,324	-	-	-	-	198,268
-	-	-	-	-	-	-	-	-	2,431,145
\$ 3,482,816	\$ 1,946,079	\$ 1,033,239	\$ 2,020,562	\$ 1,755,076	\$ 4,722,181	\$ 1,386,768	\$ 8,528,162	\$ 1,739,750	\$ 67,505,260

-	1,224,750	-	-	-	-	-	-	1,739,750	3,079,500
-	-	-	-	-	-	-	-	-	100,000
-	-	-	-	-	100,000	-	-	-	100,000
-	-	-	-	-	-	-	3,975,000	-	4,030,000
-	-	-	-	-	1,200,000	-	-	-	1,810,230
-	-	-	-	-	-	-	-	-	2,700,000
-	-	-	-	-	-	300,000	-	-	300,000
-	-	-	-	-	-	-	-	-	100,000
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	593,800
-	-	-	-	-	-	-	-	-	-
-	695,610	-	-	-	-	-	-	-	1,391,220
-	-	-	-	-	-	-	-	-	2,000,000
-	-	-	-	-	-	-	-	-	4,862,290
\$ -	\$ 1,920,360	\$ -	\$ -	\$ -	\$ 1,300,000	\$ 300,000	\$ 3,975,000	\$ 1,739,750	\$ 21,067,040
\$ 3,482,816	\$ 25,719	\$ 1,033,239	\$ 2,020,562	\$ 1,755,076	\$ 3,422,181	\$ 1,086,768	\$ 4,553,162	\$ -	\$ 46,438,220

Gen. Govt. CEF	Fire CEF	Police CEF	Library	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
3,482,816	25,719	1,033,239	2,020,562	1,755,076	3,422,181	1,086,768	4,553,162	-	46,438,220
560,900	441,690	484,810	286,430	258,750	476,841	57,947	900,233	-	10,440,961
104,480	40,170	31,000	60,620	52,650	102,670	32,600	136,590	-	1,076,040
-	-	-	-	-	-	-	-	-	2,504,080
28,324	-	-	28,324	28,324	-	-	-	-	198,268
-	-	-	-	-	-	-	-	-	2,504,080
\$ 4,176,520	\$ 507,579	\$ 1,549,049	\$ 2,395,936	\$ 2,094,800	\$ 4,001,692	\$ 1,177,315	\$ 5,589,985	\$ -	\$ 63,161,649
-	400,000	-	-	-	-	-	-	-	400,000
-	-	-	-	-	-	-	930,000	-	930,000
-	-	-	-	-	1,300,000	-	-	-	1,300,000
-	-	-	-	-	500,000	-	-	-	1,000,000
-	-	-	-	-	-	500,000	-	-	750,000
-	-	-	-	-	-	-	-	-	400,000
-	-	-	-	-	-	-	-	-	300,000
-	-	-	-	-	-	-	-	-	440,800
-	-	-	-	-	-	-	-	-	173,800
-	-	-	-	-	-	-	-	-	3,300,000
-	-	-	-	-	-	-	-	-	5,008,160
\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 1,800,000	\$ 500,000	\$ 930,000	\$ -	\$ 14,002,760
\$ 4,176,520	\$ 107,579	\$ 1,549,049	\$ 2,395,936	\$ 2,094,800	\$ 2,201,692	\$ 677,315	\$ 4,659,985	\$ -	\$ 49,158,889

2020 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Transportation Fund	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	7,269,899	5,711,551	-	3,967,714	1,924,461	10,710,215	1,248,618	463,554
Current Year	786,100	100,000	1,471,020	-	1,723,900	1,472,290	697,890	351,880	216,080
Interest on Beginning Balance	-	-	-	-	138,870	67,360	374,860	43,700	16,220
HUTF Revenue Allocated to Street Maintenance	-	-	-	2,579,200	-	-	-	-	-
Internal Loan Repayment	-	-	-	-	28,324	28,324	28,324	28,324	-
Transportation Fee	-	-	-	2,579,200	-	-	-	-	-
<b>Total Resources</b>	<b>\$ 786,100</b>	<b>\$ 7,369,899</b>	<b>\$ 7,182,571</b>	<b>\$ 5,158,400</b>	<b>\$ 5,858,808</b>	<b>\$ 3,492,435</b>	<b>\$ 11,811,289</b>	<b>\$ 1,672,522</b>	<b>\$ 695,854</b>

**Project Requests 2020**

Park Improvement Projects	-	-	-	-	-	-	-	-	-
Neighborhood Parks	-	-	-	-	-	1,450,000	-	-	-
Kroh Park	-	-	-	-	-	300,000	-	-	-
Open Lands	-	-	-	-	-	-	-	1,143,250	-
Recreation Trail	-	-	-	-	-	-	-	-	200,000
North Lake Miniature Train Replacement	150,000	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Building Maintenance Projects)	636,100	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Roof Replacement Program)	-	-	-	-	-	-	-	-	-
Transportation Program	-	387,000	-	-	1,087,000	-	-	-	-
Street Maintenance	-	-	-	5,158,400	-	-	-	-	-
<b>Total 2020 Project Costs</b>	<b>\$ 786,100</b>	<b>\$ 387,000</b>	<b>\$ -</b>	<b>\$ 5,158,400</b>	<b>\$ 1,087,000</b>	<b>\$ 1,750,000</b>	<b>\$ -</b>	<b>\$ 1,143,250</b>	<b>\$ 200,000</b>
<b>2020 Ending Balance</b>	<b>\$ -</b>	<b>\$ 6,982,899</b>	<b>\$ 7,182,571</b>	<b>\$ -</b>	<b>\$ 4,771,808</b>	<b>\$ 1,742,435</b>	<b>\$ 11,811,289</b>	<b>\$ 529,272</b>	<b>\$ 495,854</b>

2021 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Transportation Fund	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	6,982,899	7,182,571	-	4,771,808	1,742,435	11,811,289	529,272	495,854
Current Year	1,419,400	100,000	1,533,520	-	1,775,620	1,507,620	714,640	360,330	221,270
Interest on Beginning Balance	-	-	-	-	190,870	69,700	472,450	21,170	19,830
HUTF Revenue Allocated to Street Maintenance	-	-	-	2,656,575	-	-	-	-	-
Internal Loan Repayment	-	-	-	-	28,324	28,324	28,324	28,324	-
Transportation Fee	-	-	-	2,656,575	-	-	-	-	-
<b>Total Resources</b>	<b>\$ 1,419,400</b>	<b>\$ 7,082,899</b>	<b>\$ 8,716,091</b>	<b>\$ 5,313,150</b>	<b>\$ 6,766,622</b>	<b>\$ 3,348,079</b>	<b>\$ 13,026,703</b>	<b>\$ 939,096</b>	<b>\$ 736,954</b>

**Project Requests 2021**

Recreational Trail	-	-	-	-	-	-	-	-	200,000
Kroh Park- Phase II	-	-	-	-	-	1,500,000	-	-	-
Park Improvement Projects	-	-	-	-	-	-	-	-	-
Open Lands	-	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Building Maintenance Projects)	658,400	-	-	-	-	-	-	-	-
Transportation Program	-	390,800	-	-	1,058,200	-	-	-	-
Cold Planer Replacement	761,000	-	-	-	-	-	-	-	-
Street Maintenance	-	-	-	5,313,150	-	-	-	-	-
<b>Total 2021 Project Costs</b>	<b>\$ 1,419,400</b>	<b>\$ 390,800</b>	<b>\$ -</b>	<b>\$ 5,313,150</b>	<b>\$ 1,058,200</b>	<b>\$ 1,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>
<b>2021 Ending Balance</b>	<b>\$ -</b>	<b>\$ 6,692,099</b>	<b>\$ 8,716,091</b>	<b>\$ -</b>	<b>\$ 5,708,422</b>	<b>\$ 1,848,079</b>	<b>\$ 13,026,703</b>	<b>\$ 939,096</b>	<b>\$ 536,954</b>

Gen. Govt. CEF	Fire CEF	Police CEF	Library	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
4,176,520	107,579	1,549,049	2,395,936	2,094,800	2,201,692	677,315	4,659,985	-	49,158,889
577,730	454,940	499,350	293,300	264,960	471,716	58,523	889,199	-	10,328,878
146,180	58,620	54,220	83,860	73,320	77,060	23,710	163,100	-	1,321,080
-	-	-	-	-	-	-	-	-	2,579,200
28,324	-	-	28,324	28,324	-	-	-	-	198,268
-	-	-	-	-	-	-	-	-	2,579,200
\$ 4,928,754	\$ 621,139	\$ 2,102,619	\$ 2,801,420	\$ 2,461,404	\$ 2,750,468	\$ 759,548	\$ 5,712,284	\$ -	\$ 66,165,515
-	-	-	-	-	-	100,000	-	-	100,000
-	-	-	-	-	-	-	-	-	1,450,000
-	-	-	-	-	-	-	-	-	300,000
-	-	-	-	-	-	-	273,000	-	1,416,250
-	-	-	-	-	-	-	-	-	200,000
-	-	-	-	-	-	-	-	-	150,000
-	-	-	-	-	-	-	-	-	636,100
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	1,474,000
-	-	-	-	-	-	-	-	-	5,158,400
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 273,000	\$ -	\$ 10,884,750
\$ 4,928,754	\$ 621,139	\$ 2,102,619	\$ 2,801,420	\$ 2,461,404	\$ 2,750,468	\$ 659,548	\$ 5,439,284	\$ -	\$ 55,280,765

Gen. Govt. CEF	Fire CEF	Police CEF	Library	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
4,928,754	621,139	2,102,619	2,801,420	2,461,404	2,750,468	659,548	5,439,284	-	55,280,765
595,060	468,590	514,330	300,340	271,320	462,850	59,105	898,668	-	11,202,663
197,150	24,850	84,100	112,060	98,460	110,020	26,380	217,570	-	1,644,610
-	-	-	-	-	-	-	-	-	2,656,575
28,324	-	-	28,324	28,324	-	-	-	-	198,268
-	-	-	-	-	-	-	-	-	2,656,575
\$ 5,749,288	\$ 1,114,579	\$ 2,701,049	\$ 3,242,144	\$ 2,859,508	\$ 3,323,338	\$ 745,033	\$ 6,555,522	\$ -	\$ 73,639,456
-	-	-	-	-	-	-	-	-	200,000
-	-	-	-	-	-	-	-	-	1,500,000
-	-	-	-	-	-	200,000	-	-	200,000
-	-	-	-	-	-	-	1,175,000	-	1,175,000
-	-	-	-	-	-	-	-	-	658,400
-	-	-	-	-	-	-	-	-	1,449,000
-	-	-	-	-	-	-	-	-	761,000
-	-	-	-	-	-	-	-	-	5,313,150
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 1,175,000	\$ -	\$ 11,256,550
\$ 5,749,288	\$ 1,114,579	\$ 2,701,049	\$ 3,242,144	\$ 2,859,508	\$ 3,323,338	\$ 545,033	\$ 5,380,522	\$ -	\$ 62,382,906

2022 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Transportation Fund	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	6,692,099	8,716,091	-	5,708,422	1,848,079	13,026,703	939,096	536,954
Current Year	681,400	100,000	1,598,720	-	1,828,890	1,543,800	731,790	368,980	226,580
Interest on Beginning Balance	-	-	-	-	256,880	83,160	586,200	42,260	24,160
HUTF Revenue Allocated to Street Maintenance	-	-	-	2,736,270	-	-	-	-	-
Internal Loan Repayment	-	-	-	-	28,324	28,324	28,324	28,324	-
Transportation Fee	-	-	-	2,736,270	-	-	-	-	-
<b>Total Resources</b>	<b>\$ 681,400</b>	<b>\$ 6,792,099</b>	<b>\$ 10,314,811</b>	<b>\$ 5,472,540</b>	<b>\$ 7,822,516</b>	<b>\$ 3,503,363</b>	<b>\$ 14,373,017</b>	<b>\$ 1,378,660</b>	<b>\$ 787,694</b>

**Project Requests 2022**

Neighborhood Parks	-	-	-	-	-	-	-	-	-
Parks & Rec Improvement Projects	-	-	-	-	-	-	-	-	-
Recreational Trail	-	-	-	-	-	-	-	-	200,000
Open Lands	-	-	-	-	-	-	-	800,000	-
Facility Maintenance Capital (Building Maintenance Projects)	601,400	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Roof Replacement Program)	80,000	-	-	-	-	-	-	-	-
Transportation Program	-	558,500	-	-	1,766,500	-	-	-	-
Street Maintenance	-	-	-	5,472,540	-	-	-	-	-
<b>Total 2022 Project Costs</b>	<b>\$ 681,400</b>	<b>\$ 558,500</b>	<b>\$ -</b>	<b>\$ 5,472,540</b>	<b>\$ 1,766,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 800,000</b>	<b>\$ 200,000</b>
<b>2022 Ending Balance</b>	<b>\$ -</b>	<b>\$ 6,233,599</b>	<b>\$ 10,314,811</b>	<b>\$ -</b>	<b>\$ 6,056,016</b>	<b>\$ 3,503,363</b>	<b>\$ 14,373,017</b>	<b>\$ 578,660</b>	<b>\$ 587,694</b>

**2023 Revenue Sources**

2023 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Transportation Fund	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	6,233,599	10,314,811	-	6,056,016	3,503,363	14,373,017	578,660	587,694
Current Year	705,300	100,000	1,666,740	-	1,883,760	1,580,850	749,350	377,840	232,020
Interest on Beginning Balance	-	-	-	-	290,690	168,160	689,900	27,780	28,210
HUTF Revenue Allocated to Street Maintenance	-	-	-	2,818,360	-	-	-	-	-
Internal Loan Repayment	-	-	-	-	28,324	28,324	28,324	28,324	-
Transportation Fee	-	-	-	2,818,360	-	-	-	-	-
<b>Total Resources</b>	<b>\$ 705,300</b>	<b>\$ 6,333,599</b>	<b>\$ 11,981,551</b>	<b>\$ 5,636,720</b>	<b>\$ 8,258,790</b>	<b>\$ 5,280,697</b>	<b>\$ 15,840,591</b>	<b>\$ 1,012,604</b>	<b>\$ 847,924</b>

**Project Requests 2023**

Park Improvement Projects	-	-	-	-	-	-	-	-	-
Neighborhood Parks	-	-	-	-	-	1,450,000	-	-	-
Recreation Facility	-	-	-	-	-	-	4,360,000	-	-
Open Lands	-	-	-	-	-	-	-	500,000	-
Recreational Trail	-	-	-	-	-	-	-	-	225,000
Museum Expansion Design	-	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Building Maintenance Projects)	480,300	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Roof Replacement Program)	225,000	-	-	-	-	-	-	-	-
Transportation Program	-	586,500	-	-	1,825,500	-	-	-	-
Street Maintenance	-	-	-	5,636,720	-	-	-	-	-
<b>Total 2023 Project Costs</b>	<b>\$ 705,300</b>	<b>\$ 586,500</b>	<b>\$ -</b>	<b>\$ 5,636,720</b>	<b>\$ 1,825,500</b>	<b>\$ 1,450,000</b>	<b>\$ 4,360,000</b>	<b>\$ 500,000</b>	<b>\$ 225,000</b>
<b>2023 Ending Balance</b>	<b>\$ -</b>	<b>\$ 5,747,099</b>	<b>\$ 11,981,551</b>	<b>\$ -</b>	<b>\$ 6,433,290</b>	<b>\$ 3,830,697</b>	<b>\$ 11,480,591</b>	<b>\$ 512,604</b>	<b>\$ 622,924</b>

Gen. Govt. CEF	Fire CEF	Police CEF	Library	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
5,749,288	1,114,579	2,701,049	3,242,144	2,859,508	3,323,338	545,033	5,380,522	-	62,382,906
612,910	482,650	529,760	307,550	277,830	453,670	59,692	747,930	-	10,552,152
258,720	50,160	121,550	145,900	128,680	149,550	24,530	242,120	-	2,113,870
-	-	-	-	-	-	-	-	-	2,736,270
28,324	-	-	28,324	28,324	-	-	-	-	198,268
-	-	-	-	-	-	-	-	-	2,736,270
\$ 6,649,242	\$ 1,647,389	\$ 3,352,359	\$ 3,723,918	\$ 3,294,342	\$ 3,926,558	\$ 629,255	\$ 6,370,572	\$ -	\$ 80,719,736

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	1,300,000	-	-	-	1,300,000
-	-	-	-	-	-	-	-	-	200,000
-	-	-	-	-	-	-	750,000	-	1,550,000
-	-	-	-	-	-	-	-	-	601,400
-	-	-	-	-	-	-	-	-	80,000
-	-	-	-	-	-	-	-	-	2,325,000
-	-	-	-	-	-	-	-	-	5,472,540
\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,300,000	\$ -	\$ 750,000	\$ -	\$ 11,528,940
\$ 6,649,242	\$ 1,647,389	\$ 3,352,359	\$ 3,723,918	\$ 3,294,342	\$ 2,626,558	\$ 629,255	\$ 5,620,572	\$ -	\$ 69,190,796

Gen. Govt. CEF	Fire CEF	Police CEF	Library	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
6,649,242	1,647,389	3,352,359	3,723,918	3,294,342	2,626,558	629,255	5,620,572	-	69,190,796
631,300	497,130	545,650	314,930	284,500	444,170	60,285	752,471	-	10,826,296
319,160	79,070	160,910	178,750	158,130	126,070	30,200	269,790	-	2,526,820
-	-	-	-	-	-	-	-	-	2,818,360
28,324	-	-	28,324	28,324	-	-	-	-	198,268
-	-	-	-	-	-	-	-	-	2,818,360
\$ 7,628,026	\$ 2,223,589	\$ 4,058,919	\$ 4,245,922	\$ 3,765,296	\$ 3,196,798	\$ 719,740	\$ 6,642,833	\$ -	\$ 88,378,900

-	-	-	-	-	-	200,000	-	-	200,000
-	-	-	-	-	-	-	-	-	1,450,000
-	-	-	-	-	-	-	-	-	4,360,000
-	-	-	-	-	-	-	720,000	-	1,220,000
-	-	-	-	2,290,500	-	-	-	-	225,000
-	-	-	-	-	-	-	-	-	2,290,500
-	-	-	-	-	-	-	-	-	480,300
-	-	-	-	-	-	-	-	-	225,000
-	-	-	-	-	-	-	-	-	2,412,000
-	-	-	-	-	-	-	-	-	5,636,720
\$ -	\$ -	\$ -	\$ -	\$ 2,290,500	\$ -	\$ 200,000	\$ 720,000	\$ -	\$ 18,499,520
\$ 7,628,026	\$ 2,223,589	\$ 4,058,919	\$ 4,245,922	\$ 1,474,796	\$ 3,196,798	\$ 519,740	\$ 5,922,833	\$ -	\$ 69,879,380

2024 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Transportation Fund	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	5,747,099	11,981,551	-	6,433,290	3,830,697	11,480,591	512,604	622,924
Current Year	729,970	100,000	1,737,710	-	1,940,270	1,618,790	767,330	237,590	386,910
Interest on Beginning Balance	-	-	-	-	308,800	183,870	551,070	24,610	29,900
HUTF Revenue Allocated to Street Maintenance	-	-	-	2,902,910	-	-	-	-	-
Internal Loan Repayment	-	-	-	-	28,324	28,324	28,324	28,324	-
Transportation Fee	-	-	-	2,902,910	-	-	-	-	-
<b>Total Resources</b>	<b>\$ 729,970</b>	<b>\$ 5,847,099</b>	<b>\$ 13,719,261</b>	<b>\$ 5,805,820</b>	<b>\$ 8,710,684</b>	<b>\$ 5,661,681</b>	<b>\$ 12,827,315</b>	<b>\$ 803,128</b>	<b>\$ 1,039,734</b>

**Project Requests 2024**

Open Lands	-	-	-	-	-	-	-	400,000	-
Park Improvement Projects	-	-	-	-	-	-	-	-	-
Parks & Rec Improvement Projects	-	-	-	-	-	-	-	-	-
Recreational Trail	-	-	-	-	-	-	-	-	225,000
Recreation Facility	-	-	-	-	-	-	9,000,000	-	-
New Community Park Phase I	-	-	-	-	-	900,000	-	-	-
Museum Expansion Project - Construction	-	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Building Maintenance Projects)	343,000	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Roof Replacement Program)	386,970	-	-	-	-	-	-	-	-
Transportation Program	-	620,500	-	-	1,897,500	-	-	-	-
Street Maintenance	-	-	-	5,805,820	-	-	-	-	-
<b>Total 2024 Project Costs</b>	<b>\$ 729,970</b>	<b>\$ 620,500</b>	<b>\$ -</b>	<b>\$ 5,805,820</b>	<b>\$ 1,897,500</b>	<b>\$ 900,000</b>	<b>\$ 9,000,000</b>	<b>\$ 400,000</b>	<b>\$ 225,000</b>
<b>2024 Ending Balance</b>	<b>\$ -</b>	<b>\$ 5,226,599</b>	<b>\$ 13,719,261</b>	<b>\$ -</b>	<b>\$ 6,813,184</b>	<b>\$ 4,761,681</b>	<b>\$ 3,827,315</b>	<b>\$ 403,128</b>	<b>\$ 814,734</b>

2025 Revenue Sources	General Fund	GF Tabor	GF Council Reserve	Transportation Fund	Street CEF	Park CEF	Recreation CEF	Open Space CEF	Trail CEF
Fund Balance	-	5,226,599	13,719,261	-	6,813,184	4,761,681	3,827,315	403,128	814,734
Current Year	6,222,500	100,000	1,811,740	-	1,998,480	1,657,640	785,750	243,290	396,200
Interest on Beginning Balance	-	-	-	-	327,030	228,560	183,710	19,350	39,110
HUTF Revenue Allocated to Street Maintenance	-	-	-	2,989,995	-	-	-	-	-
Internal Loan Repayment	-	-	-	-	28,324	28,324	28,324	28,324	-
Transportation Fee	-	-	-	2,989,995	-	-	-	-	-
<b>Total Resources</b>	<b>\$ 6,222,500</b>	<b>\$ 5,326,599</b>	<b>\$ 15,531,001</b>	<b>\$ 5,979,990</b>	<b>\$ 9,167,018</b>	<b>\$ 6,676,205</b>	<b>\$ 4,825,099</b>	<b>\$ 694,092</b>	<b>\$ 1,250,044</b>

**Project Requests 2025**

Open Lands	-	-	-	-	-	-	-	350,000	-
Recreational Trail	-	-	-	-	-	-	-	-	225,000
New Community Park Phase I	5,100,000	-	-	-	-	3,000,000	-	-	-
Museum Expansion Project - Construction	-	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Building Maintenance Projects)	755,500	-	-	-	-	-	-	-	-
Facility Maintenance Capital (Roof Replacement Program)	-	-	-	-	-	-	-	-	-
Replacement of asphalt paver	367,000	-	-	-	-	-	-	-	-
Transportation Program	-	990,500	-	-	1,934,500	-	-	-	-
Street Maintenance	-	-	-	5,979,990	-	-	-	-	-
<b>Total 2024 Project Costs</b>	<b>\$ 6,222,500</b>	<b>\$ 990,500</b>	<b>\$ -</b>	<b>\$ 5,979,990</b>	<b>\$ 1,934,500</b>	<b>\$ 3,000,000</b>	<b>\$ -</b>	<b>\$ 350,000</b>	<b>\$ 225,000</b>
<b>2024 Ending Balance</b>	<b>\$ -</b>	<b>\$ 4,336,099</b>	<b>\$ 15,531,001</b>	<b>\$ -</b>	<b>\$ 7,232,518</b>	<b>\$ 3,676,205</b>	<b>\$ 4,825,099</b>	<b>\$ 344,092</b>	<b>\$ 1,025,044</b>
<b>Total All Years Project Costs</b>	<b>\$ 14,417,270</b>	<b>\$ 16,309,950</b>	<b>\$ -</b>	<b>\$ 52,340,910</b>	<b>\$ 16,977,600</b>	<b>\$ 14,850,000</b>	<b>\$ 13,660,000</b>	<b>\$ 5,108,250</b>	<b>\$ 2,706,020</b>

Gen. Govt. CEF	Fire CEF	Police CEF	Library	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	Total
7,628,026	2,223,589	4,058,919	4,245,922	1,474,796	3,196,798	519,740	5,922,833	-	69,879,380
512,040	562,020	322,490	291,330	650,240	434,340	60,885	756,790	10,000,000	21,108,705
366,150	106,730	194,830	203,800	70,790	153,450	24,950	284,300	-	2,503,250
-	-	-	-	-	-	-	-	-	2,902,910
28,324	-	-	28,324	28,324	-	-	-	-	198,268
-	-	-	-	-	-	-	-	-	2,902,910
\$ 8,534,540	\$ 2,892,339	\$ 4,576,239	\$ 4,769,376	\$ 2,224,150	\$ 3,784,588	\$ 605,575	\$ 6,963,923	\$ 10,000,000	\$ 99,495,423
-	-	-	-	-	-	-	750,000	-	1,150,000
-	-	-	-	-	1,300,000	300,000	-	-	1,600,000
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	225,000
-	-	-	-	-	-	-	-	-	9,000,000
-	-	-	-	-	-	-	-	-	900,000
1,979,500	-	-	-	1,000,000	-	-	-	10,000,000	12,979,500
-	-	-	-	-	-	-	-	-	343,000
-	-	-	-	-	-	-	-	-	386,970
-	-	-	-	-	-	-	-	-	2,518,000
-	-	-	-	-	-	-	-	-	5,805,820
\$ 1,979,500	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,300,000	\$ 300,000	\$ 750,000	\$ 10,000,000	\$ 34,908,290
\$ 6,555,040	\$ 2,892,339	\$ 4,576,239	\$ 4,769,376	\$ 1,224,150	\$ 2,484,588	\$ 305,575	\$ 6,213,923	\$ -	\$ 64,587,133
Gen. Govt. CEF	Fire CEF	Police CEF	Library	CS CEF	Conservation Trust Fund	Park Improvement	Open Lands Tax	Outside Revenue	21,108,705
6,555,040	2,892,339	4,576,239	4,769,376	1,224,150	2,484,588	305,575	6,213,923	-	64,587,133
527,400	578,880	330,230	298,320	669,750	424,178	61,490	-	-	16,105,848
314,640	138,830	219,660	228,930	58,760	119,260	14,670	298,270	-	2,190,780
-	-	-	-	-	-	-	-	-	2,989,995
28,324	-	-	28,324	28,324	-	-	-	-	198,268
-	-	-	-	-	-	-	-	-	2,989,995
\$ 7,425,404	\$ 3,610,049	\$ 5,126,129	\$ 5,324,950	\$ 1,980,984	\$ 3,028,026	\$ 381,735	\$ 6,512,193	\$ -	\$ 89,062,019
-	-	-	-	-	-	-	950,000	-	1,300,000
-	-	-	-	-	-	-	-	-	225,000
-	-	-	-	-	-	-	-	-	8,100,000
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	755,500
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	367,000
-	-	-	-	-	-	-	-	-	2,925,000
-	-	-	-	-	-	-	-	-	5,979,990
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 950,000	\$ -	\$ 19,652,490
\$ 7,425,404	\$ 3,610,049	\$ 5,126,129	\$ 5,324,950	\$ 1,980,984	\$ 3,028,026	\$ 381,735	\$ 5,562,193	\$ -	\$ 69,409,529
\$ 1,979,500	\$ 3,015,970	\$ 2,067,500	\$ -	\$ 5,690,500	\$ 7,536,030	\$ 2,010,000	\$ 18,384,000	\$ 11,739,750	\$ 188,793,250

2016-2025 Golf Recommended Capital

	2016	2017	2018	2019	2020	Five Year Total
<b>Revenue</b>						
Beginning Balance	\$ 2,564,097	\$ 2,466,982	\$ 2,176,594	\$ 1,949,919	\$ 2,432,506	\$ 11,590,098
Net Operating	696,255	752,685	694,715	639,267	711,630	\$ 3,494,552
<b>Total Revenue</b>	<b>\$ 3,260,352</b>	<b>\$ 3,219,667</b>	<b>\$ 2,871,309</b>	<b>\$ 2,589,186</b>	<b>\$ 3,144,136</b>	<b>\$ 15,084,650</b>
<b>Bricks &amp; Mortar</b>						
Mariana Butte Course Renovations						-
Marianna Butte Asset Replacement		272,470			130,000	402,470
Cattail Creek Asset Replacment		85,510				85,510
Olde Course Renovation		21,700				21,700
Olde Course Clubhouse						-
Olde Course Maintenance Building		95,600	500,000			595,600
<b>Subtotal Bricks &amp; Mortar</b>	<b>\$ -</b>	<b>\$ 475,280</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ 130,000</b>	<b>\$ 1,105,280</b>
<b>New &amp; Replacement Equipment</b>						
Equipment Replacements	793,370	567,793	421,390	156,680	207,470	2,146,703
<b>Subtotal Equipment</b>	<b>\$ 793,370</b>	<b>\$ 567,793</b>	<b>\$ 421,390</b>	<b>\$ 156,680</b>	<b>\$ 207,470</b>	<b>\$ 2,146,703</b>
<b>Total</b>	<b>\$ 793,370</b>	<b>\$ 1,043,073</b>	<b>\$ 921,390</b>	<b>\$ 156,680</b>	<b>\$ 337,470</b>	<b>\$ 3,251,983</b>
<b>Golf Fund Reserve and End Balance</b>	<b>\$ 2,466,982</b>	<b>\$ 2,176,594</b>	<b>\$ 1,949,919</b>	<b>\$ 2,432,506</b>	<b>\$ 2,806,666</b>	<b>\$ 11,832,667</b>

	2021	2022	2023	2024	2025	Ten Year Total
\$	2,806,666	\$ 3,246,078	\$ 3,345,602	\$ 3,715,113	\$ 2,060,235	\$ 2,564,097
	679,142	645,294	687,501	638,512	490,332	6,635,333
\$	3,485,808	\$ 3,891,372	\$ 4,033,103	\$ 4,353,625	\$ 2,550,567	\$ 9,199,430
		111,170				\$ 111,170
						402,470
						85,510
	70,000					91,700
			150,000	2,202,660		2,352,660
						595,600
\$	70,000	\$ 111,170	\$ 150,000	\$ 2,202,660	\$ -	\$ 3,639,110
	169,730	434,600	167,990	90,730	644,930	\$ 3,654,683
\$	169,730	\$ 434,600	\$ 167,990	\$ 90,730	\$ 644,930	\$ 3,654,683
\$	239,730	\$ 545,770	\$ 317,990	\$ 2,293,390	\$ 644,930	\$ 7,293,793
\$	3,246,078	\$ 3,345,602	\$ 3,715,113	\$ 2,060,235	\$ 1,905,637	\$ 1,905,637

2016-2025 Power Utility Agencies Recommended Capital Program

	2016	2017	2018	2019	2020	Five Year Total
<b>Revenue</b>						
<b>Beginning Balance</b>	\$ 18,061,509	\$ 11,198,402	\$ 14,388,952	\$ 15,903,952	\$ 16,115,932	\$ 18,061,509
Operating Revenues	1,367,773	4,780,400	7,089,160	7,755,640	8,546,360	29,539,333
Aid to Construction	1,530,000	1,589,930	1,865,520	1,929,300	2,001,050	8,915,800
Customer deposits - Service Installations	290,000	301,360	312,710	323,410	335,440	1,562,920
Payback from Water	817,500	806,250	795,000	783,750	772,500	3,975,000
PIF Collections	2,706,120	2,888,390	3,005,190	3,213,320	3,388,040	15,201,060
Interest on Investments/Income	302,530	269,880	443,900	590,040	787,380	2,393,730
<b>Total Revenue</b>	\$ 25,075,432	\$ 21,834,612	\$ 27,900,432	\$ 30,499,412	\$ 31,946,702	\$ 137,256,590
<b>Expense</b>						
<b>Bricks &amp; Mortar</b>						
System Improvements	1,030,000	1,008,010	1,585,150	3,557,490	3,400,640	10,581,290
Customer Aid to Construction	1,530,000	1,589,930	1,865,520	1,929,300	2,001,050	8,915,800
Misc. Feeder Extensions	300,000	311,750	377,410	446,080	462,660	1,897,900
Smaller 200 Amp Projects	125,000	129,900	134,790	139,400	144,580	673,670
Misc. Electric Relocations Road Related Projects	100,000	103,920	107,830	278,800	289,170	879,720
Re-Conductor 921 on Raft Ave from Railroad to Eisenhower	-	-	-	-	-	-
Install 600 Amp tie from Cascade W. along Hwy 34 turning S. on Rossum to Siant Andrews	408,750	-	-	-	-	408,750
Substation Security	-	-	539,170	557,600	578,340	1,675,110
East Substation-purchase/install new Transformer - E1	-	-	-	-	1,156,680	1,156,680
Extension of UG Transmission to service new Substation in SE corner of service territory	-	-	-	-	-	-
Phase 2 of Canyon Voltage Conversion from Glade to WTP	754,250	-	-	-	-	754,250
Phase 3 of Canyon Voltage Conversion from WTP to Idlewilde Park	50,000	727,420	-	-	-	777,420
Phase 4 of Canyon Voltage Conversion from Idlewilde Park to Waltonia Rd.	-	51,960	754,840	-	-	806,800
Overhead to Underground Conversion Projects	1,305,660	1,267,780	647,000	1,762,020	1,075,710	6,058,170
Overhead to Underground Conversion along RR track N of 10th between RR and Madison	1,400,000	-	-	-	-	1,400,000
Overhead to Underground Conversion Downtown Catalyst	1,400,000	1,039,170	-	-	-	2,439,170
Streetlight Projects	350,000	363,700	377,420	390,320	404,840	1,886,280
Transfer load from 1012 to 621, install 750AL from Crossroads to Fairgrounds	950,000	-	-	-	-	950,000
Install new 750 AL from Crossroads Sub going North to CR30 then East to I-25	1,000,000	-	-	-	-	1,000,000
Install new conduit bank and 750 AL from Garfield to CR11	-	-	-	-	-	-
Install new 750 AL from 57th & Taft to Vault V1780	-	-	-	-	-	-
Install 750 AL from Breaker 211 W out of East Sub to Madison	-	-	-	55,760	520,500	576,260
Install bank from SW232, tie to V2700, Install 750 AL on 1st West to Rossum	-	-	-	-	34,700	34,700
Extend New feeders from Valley V3 into System	-	-	-	55,760	1,619,350	1,675,110
Extend New feeders from new 29th Substation into system	-	20,780	1,617,500	-	-	1,638,280
Extend feeders from new Substation in SE corner of service Territory into System	-	-	-	-	-	-
Extend feeders from Boedecker Substation into System	-	-	-	-	-	-
Install new bank & 750 AL on Madison East on 37th to CR11C, North to CR30	-	-	-	-	-	-
Extend new feeders from Crossroads C2	700,000	-	-	-	-	700,000
Install new feeder along CR11 from 57th to CR30	-	-	-	-	23,130	23,130
Extend new feeders along CR11 from Boyd Lake Ave to CR30	-	51,960	1,563,590	-	-	1,615,550
New Substation SW Corner of City near Boedecker Lake	-	-	-	-	-	-
Valley Substation purchase/install new Transformer and Switchgear Lineup - V3	-	-	1,887,090	557,600	-	2,444,690
East Substation-purchase/install new Switchgear lineup - E3	-	779,380	539,170	-	-	1,318,550
New Substation-Southeast corner of service territory	-	-	-	4,653,350	-	4,653,350
Land Purchase for new substations	1,700,000	-	-	-	-	1,700,000
<b>Subtotal Bricks &amp; Mortar</b>	\$ 13,103,660	\$ 7,445,660	\$ 11,996,480	\$ 14,383,480	\$ 11,711,350	\$ 58,640,630
<b>New &amp; Replacement Equipment</b>						
Addition of Heated Vehicle Storage - South side of Warehouse	380,000	-	-	-	-	380,000
Misc General Plant purchases	393,370	-	-	-	-	393,370
<b>Subtotal Equipment</b>	\$ 773,370	\$ -	\$ -	\$ -	\$ -	\$ 773,370
<b>Total</b>	\$ 13,877,030	\$ 7,445,660	\$ 11,996,480	\$ 14,383,480	\$ 11,711,350	\$ 59,414,000
<b>Reserve for Future Capital Projects</b>	\$ 11,198,402	\$ 14,388,952	\$ 15,903,952	\$ 16,115,932	\$ 20,235,352	\$ 77,842,590

	2021	2022	2023	2024	2025	Ten Year Total
\$	20,235,352	\$ 27,023,132	\$ 23,046,748	\$ 23,143,867	\$ 33,177,781	\$ 18,061,509
	9,383,100	10,102,670	11,097,720	12,103,160	13,120,370	85,346,353
	2,077,330	2,156,520	2,238,730	2,324,070	2,412,660	20,125,110
	348,220	361,510	375,280	389,580	404,440	3,441,950
	761,250	-	-	-	-	4,736,250
	3,600,820	3,826,350	4,063,570	4,320,230	4,606,390	35,618,420
	919,650	1,157,940	1,202,740	1,314,860	1,510,500	8,499,420
\$	37,325,722	\$ 44,628,122	\$ 42,024,788	\$ 43,595,767	\$ 55,232,141	\$ 175,829,012
	3,542,265	4,662,082	5,939,741	5,561,636	5,773,661	\$ 36,060,675
	2,077,330	2,156,520	2,238,730	2,324,070	2,412,660	20,125,110
	480,310	498,610	517,620	537,350	557,830	4,489,620
	150,100	155,820	161,760	167,920	174,330	1,483,600
	300,190	311,640	323,520	335,850	348,650	2,499,570
	-	-	608,530	-	-	608,530
	-	-	-	-	-	408,750
	600,385	623,272	-	-	-	2,898,767
	-	-	-	-	-	1,156,680
	-	10,156,790	-	-	-	10,156,790
	-	-	-	-	-	754,250
	-	-	-	-	-	777,420
	-	-	-	-	-	806,800
	1,398,900	62,330	1,229,360	13,430	543,890	9,306,080
	-	-	-	-	-	1,400,000
	-	-	-	-	-	2,439,170
	420,260	436,290	452,920	470,190	488,110	4,154,050
	-	-	-	-	-	950,000
	-	-	1,035,250	-	-	1,000,000
	-	-	-	-	-	1,035,250
	-	62,330	905,840	-	-	968,170
	-	-	-	-	-	576,260
	360,230	-	-	-	-	394,930
	-	-	-	-	-	1,675,110
	-	-	-	-	-	1,638,280
	36,020	2,455,690	-	-	-	2,491,710
	-	-	-	-	27,890	27,890
	-	-	64,700	1,007,540	-	1,072,240
	-	-	-	-	-	700,000
	936,600	-	-	-	-	959,730
	-	-	-	-	-	1,615,550
	-	-	5,402,950	-	-	5,402,950
	-	-	-	-	-	2,444,690
	-	-	-	-	-	1,318,550
	-	-	-	-	-	4,653,350
	-	-	-	-	-	1,700,000
\$	10,302,590	\$ 21,581,374	\$ 18,880,921	\$ 10,417,986	\$ 10,327,021	\$ 130,150,522
	-	-	-	-	-	\$ 380,000
	-	-	-	-	-	\$ 393,370
\$	-	\$ -	\$ -	\$ -	\$ -	\$ 773,370
\$	10,302,590	\$ 21,581,374	\$ 18,880,921	\$ 10,417,986	\$ 10,327,021	\$ 130,923,892
\$	27,023,132	\$ 23,046,748	\$ 23,143,867	\$ 33,177,781	\$ 44,905,120	\$ 44,905,120

**2016-2025 Storm Water Recommended Capital Program**

	2016	2017	2018	2019	2020	Five Year Total
<b>Revenue</b>						
<b>Beginning Balance</b>	\$ 3,769,176	\$ 2,748,786	\$ 2,597,526	\$ 3,133,746	\$ 1,738,296	\$ 3,769,176
Operating Revenues	2,873,880	3,226,810	3,636,490	4,086,890	4,249,850	18,073,920
SIF Revenue	277,350	318,950	366,790	421,810	485,080	1,869,980
Interest on Investments/Income	75,380	54,980	64,940	78,350	52,150	325,800
<b>Total Revenue</b>	\$ 6,995,786	\$ 6,349,526	\$ 6,665,746	\$ 7,720,796	\$ 6,525,376	\$ 24,038,876
<b>Expense</b>						
<b>Bricks &amp; Mortar</b>						
South Loveland Outfall	160,000	350,000	1,060,000	4,615,000		6,185,000
Madison Avenue Outfall	50,000	600,000				650,000
Silver Lake Improvments		125,000	930,000			1,055,000
Maintenance/Asset Management Projects	675,000	475,000	475,000	475,000	475,000	2,575,000
Boyd Lake Outlet Ditch		400,000				400,000
Garfield and Harrison Outfall			250,000	200,000		450,000
South Rist Benson Lake Outfall						-
16th Street Storm Sewer System						-
Wilson & Eisenhower Improvements						-
29th & Sheridan Improvements				40,000	350,000	390,000
Baretta Drive Improvements						-
29th & Monroe Outfall	50,000	1,150,000				1,200,000
Airport Basin North Outfall	1,500,000					1,500,000
Benson Park 29th Street Culvert	1,000,000					1,000,000
Undefined Engineering	255,000	250,000	175,000	175,000	175,000	1,030,000
Capitalized Labor	100,000	100,000	100,000	100,000	100,000	500,000
<b>Subtotal Bricks &amp; Mortar</b>	\$ 3,790,000	\$ 3,450,000	\$ 2,990,000	\$ 5,605,000	\$ 1,100,000	\$ 16,935,000
New Equipment	457,000	302,000	542,000	377,500	706,000	2,384,500
<b>Subtotal Equipment</b>	\$ 457,000	\$ 302,000	\$ 542,000	\$ 377,500	\$ 706,000	\$ 2,384,500
<b>Total</b>	\$ 4,247,000	\$ 3,752,000	\$ 3,532,000	\$ 5,982,500	\$ 1,806,000	\$ 19,319,500
<b>Reserve for Future Capital Projects</b>	\$ 2,748,786	\$ 2,597,526	\$ 3,133,746	\$ 1,738,296	\$ 4,719,376	\$ 4,719,376

	2021	2022	2023	2024	2025	Ten Year Total
\$	<b>4,719,376</b>	\$ <b>3,195,636</b>	\$ <b>2,676,546</b>	\$ <b>5,513,066</b>	\$ <b>2,632,316</b>	\$ <b>3,769,176</b>
	4,101,240	4,162,540	4,224,100	4,285,880	4,274,480	<b>39,122,160</b>
	557,840	641,520	737,750	848,410	975,670	<b>5,631,170</b>
	165,180	111,850	93,670	192,960	92,130	<b>981,590</b>
\$	<b>9,543,636</b>	\$ <b>8,111,546</b>	\$ <b>7,732,066</b>	\$ <b>10,840,316</b>	\$ <b>7,974,596</b>	\$ <b>49,504,096</b>
	1,530,000					\$ <b>7,715,000</b>
						<b>650,000</b>
						<b>1,055,000</b>
	475,000	475,000	475,000	475,000	475,000	<b>4,950,000</b>
				750,000		<b>1,150,000</b>
	3,700,000	3,500,000		4,000,000		<b>11,650,000</b>
		175,000		1,500,000		<b>1,675,000</b>
		100,000	800,000			<b>900,000</b>
				450,000		<b>450,000</b>
						<b>390,000</b>
				70,000	625,000	<b>695,000</b>
						<b>1,200,000</b>
						<b>1,500,000</b>
						<b>1,000,000</b>
	175,000	175,000	175,000	175,000	175,000	<b>1,905,000</b>
	100,000	100,000	100,000	100,000	100,000	<b>1,000,000</b>
\$	<b>5,980,000</b>	\$ <b>4,525,000</b>	\$ <b>1,550,000</b>	\$ <b>7,520,000</b>	\$ <b>1,375,000</b>	\$ <b>37,885,000</b>
	368,000	910,000	669,000	688,000	978,000	\$ <b>3,613,000</b>
\$	<b>368,000</b>	\$ <b>910,000</b>	\$ <b>669,000</b>	\$ <b>688,000</b>	\$ <b>978,000</b>	\$ <b>3,613,000</b>
\$	<b>6,348,000</b>	\$ <b>5,435,000</b>	\$ <b>2,219,000</b>	\$ <b>8,208,000</b>	\$ <b>2,353,000</b>	\$ <b>41,498,000</b>
\$	<b>3,195,636</b>	\$ <b>2,676,546</b>	\$ <b>5,513,066</b>	\$ <b>2,632,316</b>	\$ <b>5,621,596</b>	\$ <b>8,006,096</b>

**2016-2025 Water Utility Agencies Recommended Capital Program**

	2016	2017	2018	2019	2020	Five Year Total
<b>Revenue</b>						
<b>Beginning Balance</b>	\$ 13,911,298	\$ 15,198,045	\$ 4,531,803	\$ 6,773,683	\$ 9,475,818	\$ 13,911,298
Operating Revenues	2,275,804	1,855,431	1,812,910	3,744,520	4,762,610	14,451,275
SIF Revenues	1,892,970	2,039,810	2,364,400	2,700,380	3,076,000	12,073,560
Interest on Investments	141,230	206,730	186,960	306,020	442,960	1,283,900
General Fund Contribution	750,000	750,000	750,000	750,000	750,000	3,750,000
Internal Loan Repayment	(884,500)	(13,104,265)	(795,000)	(783,750)	(772,500)	(16,340,015)
External Loan Repayment	(292,151)	(1,013,988)	(1,015,150)	(1,015,685)	(1,015,593)	(4,352,567)
<b>Total Revenue</b>	<b>\$ 17,794,651</b>	<b>\$ 5,931,763</b>	<b>\$ 7,835,923</b>	<b>\$ 12,475,168</b>	<b>\$ 16,719,295</b>	<b>\$ 24,777,451</b>
<b>Expense</b>						
<b>Bricks &amp; Mortar</b>						
Water Line Replacements	722,800	-	-	1,108,590	1,498,530	3,329,920
36" Transmission Line Relining	-	-	-	197,080	2,997,070	3,194,150
Misc. Transmission & Distribution Projects	214,160	224,890	236,050	246,360	258,360	1,179,820
Water Line Projects coordinated with Public Works	160,620	-	-	-	-	160,620
34" Water Line Valve Insertions	-	-	619,640	-	-	619,640
New Water Lines 12" 10th St (RR Spur to Madison)	42,830	494,770	-	-	-	537,600
East Gravity Zone 24" Loop	-	-	-	-	-	-
16" Mountain View Discharge in Boyd Lake Avenue	-	-	-	-	193,780	193,780
16" in Granite (57th to 50th)	-	-	-	-	-	-
Morning Dr. Alternate 30" Water Line	-	-	-	-	-	-
29th Street 5.0 MG Storage Tank #2	-	-	-	-	-	-
Morning Drive Pump Station	-	-	-	-	-	-
2.0 MG Dakota Ridge Tank PZ2	-	-	-	-	-	-
P2 Water Pump Station and Discharge	-	-	-	-	129,180	129,180
Mod Valve Vault Rehabilitation	-	-	118,030	1,354,940	-	1,472,970
Namaqua Hills Water Booster Station & Generator	-	595,970	-	-	-	595,970
Extension and Oversizing Projects	80,310	84,330	88,520	92,380	96,890	442,430
29th Street Water Pump Station Emergency Generator	481,870	-	-	-	-	481,870
Water Treatment Plant Expansion	535,416	-	-	-	-	535,416
Water Treatment Plant Admin/Office Renovation	-	-	-	-	-	-
<b>Subtotal Bricks &amp; Mortar</b>	<b>\$ 2,238,006</b>	<b>\$ 1,399,960</b>	<b>\$ 1,062,240</b>	<b>\$ 2,999,350</b>	<b>\$ 5,173,810</b>	<b>\$ 12,873,366</b>
<b>New &amp; Replacement Equipment</b>						
Large Equipment Purchases	258,600	-	-	-	-	258,600
<b>Subtotal Equipment</b>	<b>\$ 258,600</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 258,600</b>
<b>General Plant</b>						
General Plant Projects	100,000	-	-	-	-	100,000
<b>Subtotal General Plant</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>
<b>Total</b>	<b>\$ 2,596,606</b>	<b>\$ 1,399,960</b>	<b>\$ 1,062,240</b>	<b>\$ 2,999,350</b>	<b>\$ 5,173,810</b>	<b>\$ 13,231,966</b>
<b>Reserve for Future Capital Projects</b>	<b>\$ 15,198,045</b>	<b>\$ 4,531,803</b>	<b>\$ 6,773,683</b>	<b>\$ 9,475,818</b>	<b>\$ 11,545,485</b>	<b>\$ 11,545,485</b>

2021	2022	2023	2024	2025	Ten Year Total
\$ 11,545,485	\$ 12,397,680	\$ 14,458,803	\$ 8,171,381	\$ 18,365,632	\$ 13,911,298
5,794,270	6,847,760	7,340,300	7,698,710	8,211,220	50,343,535
3,483,660	3,928,730	4,332,640	4,985,810	5,568,150	34,372,550
538,980	580,170	691,330	390,980	824,870	4,310,230
750,000	-	-	-	-	4,500,000
(761,250)	-	-	-	-	(17,101,265)
(1,014,885)	(1,013,527)	(1,011,542)	(1,013,929)	(1,010,529)	(9,416,979)
\$ 20,336,260	\$ 22,740,813	\$ 25,811,531	\$ 20,232,952	\$ 31,959,343	\$ 80,919,369
1,578,190	1,289,550	1,358,100	1,430,290	1,506,320	10,492,370
2,938,700	-	-	-	-	6,132,850
272,110	286,560	301,800	317,840	334,730	2,692,860
-	-	-	-	-	160,620
-	-	-	-	-	619,640
-	-	-	-	-	537,600
700,660	4,062,800	2,678,460	-	1,213,420	8,655,340
1,122,420	-	-	-	-	1,316,200
-	-	-	-	75,320	75,320
-	-	-	-	368,210	368,210
-	1,289,550	13,128,260	-	-	14,417,810
-	-	-	-	288,540	288,540
-	-	-	-	920,530	920,530
1,224,460	-	-	-	-	1,353,640
-	-	-	-	-	1,472,970
-	-	-	-	-	595,970
102,040	107,460	113,170	119,190	125,530	1,009,820
-	-	-	-	-	481,870
-	-	-	-	-	535,416
-	1,246,090	60,360	-	-	1,306,450
\$ 7,938,580	\$ 8,282,010	\$ 17,640,150	\$ 1,867,320	\$ 4,832,600	53,434,026
-	-	-	-	-	258,600
\$ -	\$ -	\$ -	\$ -	\$ -	258,600
-	-	-	-	-	100,000
\$ -	\$ -	\$ -	\$ -	\$ -	100,000
\$ 7,938,580	\$ 8,282,010	\$ 17,640,150	\$ 1,867,320	\$ 4,832,600	\$ 53,792,626
\$ 12,397,680	\$ 14,458,803	\$ 8,171,381	\$ 18,365,632	\$ 27,126,743	\$ 27,126,743

2016-2025 Wastewater Utility Agencies Recommended Capital Program

	2016	2017	2018	2019	2020	Five Year Total
<b>Revenue</b>						
<b>Beginning Balance</b>	\$ 12,389,181	\$ 12,539,294	\$ 4,755,665	\$ 3,707,676	\$ 6,557,977	\$ 12,389,181
Operating Revenues	2,769,766	3,628,020	4,823,560	6,106,860	7,615,000	24,943,206
SIF Revenues	1,352,440	1,417,390	1,735,510	1,977,970	2,269,340	8,752,650
General Loan Received	15,773,330	(1,051,430)	(1,051,430)	(1,051,430)	(1,051,430)	11,567,610
Grant for Nutrients	500,000	-	-	-	-	500,000
SIF Loan	8,773,917	(584,859)	(584,859)	(584,859)	(584,859)	6,434,481
Interest	212,170	425,500	148,870	140,150	270,750	1,197,440
<b>Total Revenue</b>	\$ 41,770,804	\$ 16,373,915	\$ 9,827,316	\$ 10,296,367	\$ 15,076,778	\$ 65,784,568
<b>Expense</b>						
<b>Bricks &amp; Mortar</b>						
South Side Lift Station Force Main to WWTP	1,284,980	-	-	-	-	1,284,980
Boyd Interceptor Projects	-	-	188,840	2,660,600	206,690	3,056,130
Hwy 402 Wastewater Main Extension	-	-	-	-	-	-
Misc. Sewer Line Rehabilitation Projects	-	899,570	-	985,410	-	1,884,980
North Horseshoe Lift Station Upgrades	-	-	-	-	77,510	77,510
East Side Lift Station 3rd Pump Insall	-	-	-	-	-	-
29th Street Lift Station Renovation	256,990	-	-	-	-	256,990
Bus Barn Lift Station Renovation	-	404,810	-	-	-	404,810
Oversizing & Extensions Agreements	80,310	84,330	88,520	92,380	96,890	442,430
WWTP Digester System Improvements	9,276,820	-	-	-	-	9,276,820
WWTP Final Clarifier #4	-	-	-	-	-	-
WWTP Primary Clarifier #3 & Trickling Filter	-	-	-	-	-	-
WWTP Digested Sludge Dewatering	-	-	-	-	-	-
WWTP Laboratory Building & Admin Remodel	-	393,560	5,134,120	-	-	5,527,680
WWTP Headworks Step Screen Install	160,620	1,855,360	-	-	-	2,015,980
WWTP Digester #3	15,661,370	1,061,800	-	-	-	16,723,170
WWTP Non-Potable System	299,820	-	-	-	-	299,820
WWTP Interceptor Junction Box	-	-	708,160	-	-	708,160
WWTP Nutrient Removal Facilities	2,080,600	6,918,820	-	-	-	8,999,420
<b>Subtotal Bricks &amp; Mortar</b>	\$ 29,101,510	\$ 11,618,250	\$ 6,119,640	\$ 3,738,390	\$ 381,090	\$ 50,958,880
<b>General Plant</b>						
General Plant Capital Projects	130,000	-	-	-	-	130,000
<b>Subtotal General Plant</b>	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ 130,000
<b>Total</b>	\$ 29,231,510	\$ 11,618,250	\$ 6,119,640	\$ 3,738,390	\$ 381,090	\$ 51,088,880
<b>Reserve for Future Capital Projects</b>	\$ 12,539,294	\$ 4,755,665	\$ 3,707,676	\$ 6,557,977	\$ 14,695,688	\$ 14,695,688

	2021	2022	2023	2024	2025	Ten Year Total
\$	14,695,688	\$ 18,074,389	\$ 19,423,290	\$ 13,696,621	\$ 20,324,862	\$ 12,389,181
	7,487,990	8,192,270	8,633,520	9,078,460	9,478,980	67,814,426
	2,540,600	2,858,860	3,196,450	3,621,640	4,083,230	25,053,430
	(1,051,430)	(1,051,430)	(1,051,430)	(1,051,430)	(1,051,430)	6,310,460
	-	-	-	-	-	500,000
	(584,859)	(584,859)	(584,859)	(584,859)	(584,859)	3,510,186
	621,640	777,490	942,680	928,000	1,257,460	5,724,710
\$	23,709,629	\$ 28,266,720	\$ 30,559,651	\$ 25,688,432	\$ 33,508,243	\$ 121,302,393
	-	-	-	-	-	1,284,980
	3,036,660	1,392,710	-	-	-	7,485,500
	-	-	-	-	502,110	502,110
	1,088,410	-	1,207,200	-	1,338,950	5,519,540
	897,940	-	-	-	-	975,450
	-	-	-	-	50,210	50,210
	-	-	-	-	-	256,990
	-	-	-	-	-	404,810
	102,040	107,460	113,170	119,190	125,530	1,009,820
	-	-	-	-	-	9,276,820
	510,190	5,910,430	-	-	-	6,420,620
	-	-	452,700	5,244,380	-	5,697,080
	-	1,432,830	15,089,960	-	-	16,522,790
	-	-	-	-	-	5,527,680
	-	-	-	-	-	2,015,980
	-	-	-	-	-	16,723,170
	-	-	-	-	-	299,820
	-	-	-	-	-	708,160
	-	-	-	-	-	8,999,420
\$	5,635,240	\$ 8,843,430	\$ 16,863,030	\$ 5,363,570	\$ 2,016,800	89,680,950
	-	-	-	-	-	130,000
\$	-	\$ -	\$ -	\$ -	\$ -	130,000
\$	5,635,240	\$ 8,843,430	\$ 16,863,030	\$ 5,363,570	\$ 2,016,800	\$ 89,810,950
\$	18,074,389	\$ 19,423,290	\$ 13,696,621	\$ 20,324,862	\$ 31,491,443	\$ 31,491,443

**2016-2025 Raw Water Agencies Recommended Capital Program**

	2016	2017	2018	2019	2020	Five Year Total
<b>Revenue</b>						
<b>Beginning Balance</b>	\$ 11,564,002	\$ 9,387,742	\$ 22,487,757	\$ 186,857	\$ 897,227	<b>\$ 11,564,002</b>
1% Transfer from Water Rates & Other	(454,180)	(422,820)	469,720	516,880	564,030	<b>673,630</b>
Raw Water Devlpmt Fees/Cap Rec Srchg	286,970	318,900	338,220	344,990	383,640	<b>1,672,720</b>
Cash-in-Lieu	250,000	252,900	256,140	259,700	263,600	<b>1,282,340</b>
Hi-Use Surcharge	52,500	53,110	53,790	54,540	55,360	<b>269,300</b>
Native Raw Water Storage Fee Received	5,000	5,060	5,120	5,190	5,270	<b>25,640</b>
Interest	237,270	269,530	724,260	659,630	752,390	<b>2,643,080</b>
Water Loan Payments Received	67,000	13,298,015	-	-	-	<b>13,365,015</b>
External Loan Received	-	-	9,350,000	(550,000)	(550,000)	<b>8,250,000</b>
<b>Total Revenue</b>	<b>\$ 12,008,562</b>	<b>\$ 23,162,437</b>	<b>\$ 33,685,007</b>	<b>\$ 1,477,787</b>	<b>\$ 2,371,517</b>	<b>\$ 39,745,727</b>
<b>Expense</b>						
<b>Bricks &amp; Mortar</b>						
Windy Gap Firming Project	2,406,660	-	33,047,180	-	-	<b>35,453,840</b>
Colorado Big Thompson Water Purchases	214,160	562,230	450,970	580,560	612,890	<b>2,420,810</b>
Future Water Court Transfer Actions	-	112,450	-	-	-	<b>112,450</b>
<b>Subtotal Bricks &amp; Mortar</b>	<b>\$ 2,620,820</b>	<b>\$ 674,680</b>	<b>\$ 33,498,150</b>	<b>\$ 580,560</b>	<b>\$ 612,890</b>	<b>\$ 37,987,100</b>
<b>Total</b>	<b>\$ 2,620,820</b>	<b>\$ 674,680</b>	<b>\$ 33,498,150</b>	<b>\$ 580,560</b>	<b>\$ 612,890</b>	<b>\$ 37,987,100</b>
<b>Reserve for Future Capital Projects</b>	<b>\$ 9,387,742</b>	<b>\$ 22,487,757</b>	<b>\$ 186,857</b>	<b>\$ 897,227</b>	<b>\$ 1,758,627</b>	<b>\$ 1,758,627</b>

<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>Ten Year Total</b>
\$ 1,758,627	\$ 2,735,087	\$ 3,826,747	\$ 5,002,557	\$ 6,261,017	<b>\$ 11,564,002</b>
616,010	673,330	705,920	740,650	777,740	<b>4,187,280</b>
422,300	460,950	499,600	538,260	576,910	<b>4,170,740</b>
267,820	272,370	277,250	282,430	287,970	<b>2,670,180</b>
56,250	57,210	58,230	59,320	60,480	<b>560,790</b>
5,350	5,440	5,540	5,640	5,750	<b>53,360</b>
808,200	860,590	908,570	954,980	1,004,910	<b>7,180,330</b>
-	-	-	-	-	<b>13,365,015</b>
(550,000)	(550,000)	(550,000)	(550,000)	(550,000)	<b>5,500,000</b>
<b>\$ 3,384,557</b>	<b>\$ 4,514,977</b>	<b>\$ 5,731,857</b>	<b>\$ 7,033,837</b>	<b>\$ 8,424,777</b>	<b>\$ 49,251,697</b>
-	-	-	-	-	<b>35,453,840</b>
649,470	688,230	729,300	772,820	818,940	<b>6,079,570</b>
-	-	-	-	-	<b>112,450</b>
<b>\$ 649,470</b>	<b>\$ 688,230</b>	<b>\$ 729,300</b>	<b>\$ 772,820</b>	<b>\$ 818,940</b>	<b>41,645,860</b>
<b>\$ 649,470</b>	<b>\$ 688,230</b>	<b>\$ 729,300</b>	<b>\$ 772,820</b>	<b>\$ 818,940</b>	<b>\$ 41,645,860</b>
<b>\$ 2,735,087</b>	<b>\$ 3,826,747</b>	<b>\$ 5,002,557</b>	<b>\$ 6,261,017</b>	<b>\$ 7,605,837</b>	<b>\$ 7,605,837</b>

# Museum Collections Storage

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Department:

Cultural Services

Division:

Museum

Project Manager:

Ken Cooper

Phone Number:

970-420-8523

Email:

Ken.Cooper@cityofloveland.org

Project Category:

Capital Construction

Project Number:

TBD

Duration:

2016

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**Total Project**

**Cost:**

**\$2,400,000**

## About the Project

**Collections Storage:** The Loveland Museum/ Gallery's historic collection contains approximately 35,000 items, some collected as early as the 1920s. There has not been adequate space in the Museum collection area for over 5 years. Approximately 10,000 of the items were moved off-site to the old Home State Bank Building in 2008. Due to The Gallery Flats project, the items had to be moved to the old Mr. Neat's building, which does not provide adequate environmental control, pest control or security. Additionally, every time the collection is moved damage occurs.



Consequently we would like to propose a change in the way we protect Loveland's historical items by removing collection storage from the Museum to a dedicated, off-site storage facility that would provide long-term, stable, collection stewardship.

In meeting with Facilities Management Staff, they identified other storage needs in the City, such as City Clerks and Human Resources records. Museum needs, providing for growth, are 12,000 square feet. An additional 3,000 square feet was identified to meet other departments' needs. If, however, in the unlikely event that other departments needs aren't imminent, the unused space will be available when needed, possibly, in the long term, solely for Museum collection storage.

This proposal considers new construction or purchase. However, a long-term lease or a lease/purchase option are also being considered.

Funding Sources				
Revenue	Gen. Gov. CEF	Cult. Svc. CEF	Outside Revenue	Total
2016		\$2,400,000		\$2,400,000
<b>Total</b>		<b>\$2,400,000</b>		<b>\$2,400,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$2,400,000	\$2,400,000
<b>Total</b>		<b>\$2,400,000</b>	<b>\$2,400,000</b>

Estimated Initial Operations Impact						
	Personnel	Supplies	Purchased Services	Facilities	Total	FTE
2016				\$58,000	\$58,000	
<b>Total</b>				<b>\$58,000</b>	<b>\$58,000</b>	

# Museum Expansion

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Department:

Cultural Services

Division:

Museum

Project Manager:

Ken Cooper

Phone Number:

970-420-8523

Email:

Ken.Cooper@cityofloveland.org

Project Category:

Capital Construction

Project Number:

TBD

Duration:

2023—2024

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**Total Project  
Cost:  
\$15,270,000**

## About the Project

**Museum Expansion:** In 2010 Museum and Facilities Management staff completed an assessment of exhibit, programming and collection storage needs. We have recently reassessed the original plan and determined that it would be prudent to remove the collection storage to an off-site facility. It will provide stability for the collection and will also remove it as a constant driver on museum space needs as the collection continues to grow with the acquisition of new objects. The areas that are no longer sufficient due to growth are: exhibition space (including the Fire exhibit); classroom space; and event space.



The Museum has always been on its current site—integral to downtown and important to Loveland’s historic identity, downtown economic vitality, and its reputation as an arts community.

This funding proposal considers a remodel of the current facility and new construction of a 20,500 square foot expansion on the south side of the museum on the existing site, in 2014 dollars with a 2.7% annual escalation until project year 2024.

Figures below assume: 10% for design/architecture/engineering; 70% construction; 7% for furniture/fixtures/equipment; 3% for permits/fees; and 10% for contingency.

Funding Sources				
Revenue	Gen. Gov. CEF	Cult. Svc. CEF	Outside Revenue	Total
2023		\$2,290,500		\$2,290,500
2024	\$1,979,500	\$1,000,000	\$10,000,000	\$12,979,500
<b>Total</b>	<b>\$1,979,500</b>	<b>\$2,400,000</b>	<b>\$10,000,000</b>	<b>\$15,270,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2023	\$2,290,500		\$2,290,500
2024		\$12,979,500	\$12,979,500
<b>Total</b>	<b>\$2,290,500</b>	<b>\$12,979,500</b>	<b>\$15,270,000</b>

Estimated Initial Operations Impact						
	Personnel	Supplies	Purchased Services	Facilities	Total	FTE
2024	\$431,000	\$70,000	\$39,000	\$133,250	\$673,250	6.5
<b>Total</b>	<b>\$431,000</b>	<b>\$70,000</b>	<b>\$39,000</b>	<b>\$133,250</b>	<b>\$673,250</b>	<b>6.5</b>

# Apparatus Replacement

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Department:

Loveland Fire Rescue Authority

Division:

Operations

Project Manager:

Greg Ward

Phone Number:

970.962.2497

Email:

Greg.Ward@cityofloveland.org

Project Category:

Equipment

Project Number:

N/A

Duration:

2016-2017

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**Total Project Cost:  
\$1,337,220**

## About the Project

Replacement of existing fire apparatus. This replacement program has two primary goals: apparatus standardization to improve response efficiency and a defined life cycle in front line service and reserve service to extend the overall life cycle while ensuring response reliability, (front line service at 10-12 years and reserve service at 5- 8 years).



The replacements are as follows:

2016: 2004 Spartan Engine-Engine 7, unit 0109 (allowing for complete retirement of the 1997 Alf/General Engine, unit 108).

2017: 2005 Spartan Engine – Engine 2, unit 0110 (allowing for complete retirement of Engine 3 that had be reassigned, a 2003 Spartan Engine).

When replacements are completed in 2017, 4 out of 5 engines will be the standardized design.

Funding Sources		
Revenue	General Fund - Tabor Excess Revenue	Total
2016	\$652,300	\$652,300
2017	\$684,920	\$684,920
<b>Total</b>	<b>\$1,337,220</b>	<b>\$1,337,220</b>

Project Cost Estimates by Year			
Elements	Planning	Capital	Total
2016	\$0	\$652,300	\$652,300
2017	\$0	\$684,920	\$684,920
<b>Total</b>	<b>\$0</b>	<b>\$1,337,220</b>	<b>\$1,337,220</b>

# Fire Station 10 and Apparatus for West Coverage

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Department:

Loveland Fire Rescue Authority

Division:

Administration / Operations

Project Manager:

Mark Miller

Phone Number:

970.962.2827

Email:

Mark.Miller@cityofloveland.org

Project Category:

Construction & Equipment

Project Number:

TBD

Duration:

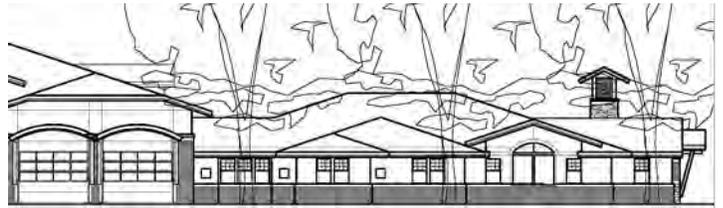
2018

\*\*\*\*\*

**Total Project Cost:  
\$3,479,500**

## About the Project

There is need for a station on the west side of the service area to improve response times to meet the



5 minute 59 second 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.

The station is expected to be 9,000 square feet with \$258 per square foot in construction costs inflated to 2018 at 3.5% annually and \$815,000 in land purchase and site development costs.

The staffing for this station would include six firefighters (three for the station assignment and three rovers system-wide), three Engineers and three Lieutenants. Since the Engineers and Lieutenants would be promotional positions, twelve Firefighters would be hired, six Engineers would be promoted (three for the station and three to backfill promotions to Lieutenants), and three Lieutenants would be promoted. Operations costs noted below include the costs of equipping firefighters and maintaining the new facility.

Funding Sources				
Revenue	Fire CEF	Rural Contribution	General Fund Tabor Excess Revenue	Total
2018	\$1,224,750	\$1,739,750	\$115,000	\$3,079,500
2018	\$400,000			\$400,000
<b>Total</b>	<b>\$1,624,750</b>	<b>\$1,739,750</b>	<b>\$115,000</b>	<b>\$3,479,500</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2018	\$347,950	\$2,731,550	\$3,479,500
2019	-	400,000	400,000
<b>Total</b>	<b>\$347,950</b>	<b>\$3,131,550</b>	<b>\$3,479,500</b>

Estimated Initial Operations Impact					
	Personnel	Supplies	Purchased Services	Total	FTE
2019	\$1,081,700	\$183,210	\$70,290	\$1,335,200	12.0
<b>Total</b>	<b>\$1,081,700</b>	<b>\$183,210</b>	<b>\$70,290</b>	<b>\$1,335,200</b>	<b>12.0</b>

# Training Center Property Development

\*\*\*\*\*

Department:

Loveland Fire Rescue  
Authority

Division:

Operations / Training

Project Manager:

Tim Smith

Phone Number:

970.962.2497

Email:

Tim.Smith@  
cityofloveland.org

Project Category:

Construction

Project Number:

N/A

Duration:

2017-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$2,782,440**

## About the Project

Design and improvement funding for 2014 training center property purchase at 1040 South Railroad Avenue. The property is outlined with a



red dotted line to the right, with the railroad and Railroad Avenue to the left (1). It is a 4 acre parcel with 3 buildings that total 9,108 square feet (6,7,8) and a railroad spur (9). Many of the remaining numbered structures are temporary and will be eliminated when the current tenants vacate the property. It was purchased for \$748,790. The money in this project request is associated with design and minor improvements to be used as a means for developing a multiple year improvement plan to meet our training needs. This may include the relocation of facilities on the older property to move them out of the floodway. The Training Center property development is estimated using \$180 per square foot for the entire 9,108 square feet \$1,639,440, \$320,000 for enhancements to the other structures on the property, \$428,000 in paving, \$50,000 for an environmental impact, \$245,000 or 15% for engineering and design, and \$100,000 for the museum and ancillary uses of the property.

Funding Sources			
Revenue	Fire Capital Expansion Fees	General Fund Excess Tabor Revenue	Total
2017	\$695,610	\$695,610	\$1,391,220
2018	\$695,610	\$695,610	\$1,391,220
<b>Total</b>	<b>\$1,391,220</b>	<b>\$1,391,220</b>	<b>\$2,782,440</b>

Project Cost Estimates by Year			
Elements	Planning	Capital	Total
2017		\$1,391,220	\$1,391,220
2018		\$1,391,220	\$1,391,220
<b>Total</b>		<b>\$2,782,440</b>	<b>\$2,782,440</b>

Estimated Initial Operations Impact					
	Personnel	Supplies	Purchased Services	Total	FTE
2017*					
<b>Total</b>					

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

# Viestenz-Smith Mountain Park Redevelopment

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Parks

Project Manager:  
Janet Meisel-Burns

Phone Number:  
970.962.2451

Email:  
Janet Meisel-Burns  
@cityofloveland.org

Project Category:  
Design/Architecture

Project Number:  
FLPKVS

Duration:  
2016-2018

\*\*\*\*\*

**Total Project Cost:  
\$2,865,610**

## About the Project

Phase I redevelopment of 15 acres of Viestenz-Smith Mountain Park destroyed by the 2013 Big Thompson Flood.



Based on feedback from public meetings and City Council, we anticipate this project will have to be phased and this request reflects funding for only Phase I. We anticipate a \$2.1 million reimbursement from FEMA/CIRSA in association with this request. (Phase II has an anticipated cost of \$1,625,600 which will be requested in future capital plans (2017+) once the Master Plan for the site is completed.

Funding Sources		
Revenue	General Fund	Total
2016	\$ 2,865,610	\$ 2,865,610
<b>Total</b>	<b>\$ 2,865,610</b>	<b>\$ 2,865,610</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2016	2,865,610	\$ 2,865,610
<b>Total</b>	<b>\$2,865,610</b>	<b>\$2,865,610</b>

\*Anticipate that \$2,126 million of this project will be or has been reimbursed by FEMA and CIRSA insurance.

# Open Land Acquisition & Restoration

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Open Lands

Project Manager:  
Marilyn Hilgenberg

Phone Number:  
970.962.2728

Email:  
Marilyn.Hilgenberg@cityofloveland.org

Project Category:  
Land

Project Number:  
Annual Program

Duration:  
2016-2025

\*\*\*\*\*

**Total Project Cost:  
\$23,492,250**

## About the Project

Acquisition and development of properties to conserve natural sites, wildlife habitat and open land in and around Loveland. Priorities are indicated in the Parks and Recreation Master Plan.



Funding Sources			
Revenue	Open Lands Sales Tax	Open Lands CEF	Total
2016	\$ 4,156,000		\$ 4,156,000
2017	4,705,000	\$ 1,860,000	6,565,000
2018	3,975,000	55,000	4,030,000
2019	930,000		930,000
2020	\$273,000	1,143,250	1,416,250
2021	1,175,000		1,175,000
2022	750,000	800,000	1,550,000
2023	720,000	500,000	1,220,000
2024	750,000	400,000	1,150,000
2025	950,000	350,000	1,300,000
<b>Total</b>	<b>\$ 18,384,000</b>	<b>\$ 5,108,250</b>	<b>\$ 23,492,250</b>

Project Cost Estimates by Year			
Elements	Land / Planning	Construction	Total
2016	\$3,166,000	990,000	\$ 4,156,000
2017	6,100,000	465,000	6,565,000
2018	3,030,000	1,000,000	4,030,000
2019	200,000	730,000	930,000
2020	1,416,250		1,416,250
2021	950,000	225,000	1,175,000
2022	1,550,000		1,550,000
2023	1,220,000		1,220,000
2024	1,150,000		1,150,000
2025	1,300,000		1,300,000
<b>Total</b>	<b>\$ 20,082,250</b>	<b>\$ 3,410,000</b>	<b>\$ 23,492,250</b>

# Recreation Trail

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Trails

Project Manager:  
Janet Meisel-Burns

Phone Number:  
970.962.2451

Email:  
Janet.Meisel-Burns@cityofloveland.org

Project Category:  
Construction

Project Number:  
Annual Program

Duration:  
2016-2025

\*\*\*\*\*

**Total Project Cost:  
\$6,875,390**

## About the Project

Complete the remaining 4 miles of the City's recreation trail loop. Trail connections are underway in the northern part of town with critical links remaining in the west and southwest parts of town. Also includes parts of State Trails segments in north Loveland.



Funding Sources			
Revenue	Conservation Trust Fund	Trail CEF	Total
2016	\$ 985,000	\$ 706,330	\$1,691,330
2017	684,370	114,460	798,830
2018	1,200,000	610,230	1,810,230
2019	1,300,000		1,300,000
2020		200,000	200,000
2021		200,000	200,000
2022		200,000	200,000
2023		225,000	225,000
2024		225,000	225,000
2025		225,000	225,000
<b>Total</b>	<b>\$4,169,370</b>	<b>\$2,706,020</b>	<b>\$6,875,390</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$1,691,330	\$1,691,330
2017		798,830	798,830
2018		1,810,230	1,810,230
2019		1,300,000	1,300,000
2020		200,000	200,000
2021		200,000	200,000
2022		200,000	200,000
2023		225,000	225,000
2024		225,000	225,000
2025		225,000	225,000
<b>Total</b>		<b>\$6,875,390</b>	<b>\$6,875,390</b>

# Golf Course Projects

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Golf

Project Manager:  
Steve Southard

Phone Number:  
970.962.2454

Email:  
Steve.Southard@cityofloveland.org

Project Category:  
Improvements / Construction

Project Number:  
TBD

Duration:  
2016-2025

\*\*\*\*\*

**Total Project Cost:  
\$7,293,790**

## About the Project

Planned projects at Loveland's golf courses subject to cashflows in the Golf Fund. Identified projects include golf course improvements, Mariana Butte Dry Creek, parking lots, bunker, tees, putting green improvements, Olde Course maintenance building and Olde Course clubhouse.



Funding Sources		
	Golf Fund	Total
2016	\$ 793,370	\$ 793,370
2017	1,043,070	1,043,070
2018	921,390	921,390
2019	156,680	156,680
2020	337,470	337,470
2021	239,730	239,730
2022	545,770	545,770
2023	317,990	317,990
2024	2,293,390	2,293,390
2025	644,930	644,930
<b>Total</b>	<b>\$ 7,293,790</b>	<b>\$ 7,293,790</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$ 793,370	\$ 793,370
2017		1,043,070	1,043,070
2018		921,390	921,390
2019		156,680	156,680
2020		337,470	337,470
2021		239,730	239,730
2022		545,770	545,770
2023		317,990	317,990
2024		2,293,390	2,293,390
2025		644,930	644,930
<b>Total</b>		<b>\$ 7,293,790</b>	<b>\$ 7,293,790</b>

# Fairgrounds Park Expansion

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Parks

Project Manager:  
Elizabeth Anderson

Phone Number:  
970.962.2456

Email:  
Elizabeth.Anderson@  
cityofloveland.org

Project Category:  
Construction

Project Number:  
TBD

Duration:  
2018-2019

\*\*\*\*\*

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

## 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 (replace lighting on Barnes Softball Complex Fields 1-4), site amenities and infrastructure to develop arena area.



Funding Sources			
Revenue	General Fund	Parks CEF	Total
2018		\$100,000	\$100,000
2019		\$400,000	\$400,000
<b>Total</b>		<b>\$500,000</b>	<b>\$500,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2018	\$100,000		\$100,000
2019		\$400,000	\$400,000
<b>Total</b>	<b>\$100,000</b>	<b>\$400,000</b>	<b>\$500,000</b>

Estimated Initial Operations Impact					
	Personnel	Supplies	Purchased Services	Total	FTE
2020	\$21,520	\$3,600	\$5,400	\$30,520	
<b>Total</b>	<b>\$21,520</b>	<b>\$3,600</b>	<b>\$5,400</b>	<b>\$30,520</b>	

\*\$5,000 in revenue is anticipated from arena event revenue.

# Lakes at Centerra Park Reimbursement

\*\*\*\*\*

Department:

Parks & Recreation

Division:

Parks

Project Manager:

Janet Meisel-Burns

Phone Number:

970.962.2728

Email:

Janet.Meisel-Burns@  
cityofloveland.org

Project Category:

Land

Project Number:

PKLCP

Duration:

2016-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$700,000**

## About the Project

The City has an agreement with the Developer and School District for 2 park areas just off Boyd Lake Avenue and Hwy 34. The Developer and School are constructing the park areas and the City is reimbursing up to \$1 million from collected CEF fees from the Development.



Funding Sources		
Revenue	Parks CEF	Total
2016	400,000	400,000
2017	200,000	200,000
2018	100,000	100,000
<b>Total</b>	<b>\$ 700,000</b>	<b>\$ 700,000</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2016	400,000	400,000
2017	200,000	200,000
2018	100,000	100,000
<b>Total</b>	<b>\$ 700,000</b>	<b>\$ 700,000</b>

\*Timing of payments is contingent up the collection of building permit fees.

# Loveland Sports Park

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Parks

Project Manager:  
Elizabeth Anderson

Phone Number:  
970.962.2456

Email:  
Elizabeth.Anderson@  
cityofloveland.org

Project Category:  
Construction

Project Number:  
TBD

Duration:  
2017-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$3,000,000**

## About the Project

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



Funding Sources		
Revenue	Parks CEF	Total
2017	\$ 300,000	\$ 300,000
2018	\$2,700,000	\$2,700,000
<b>Total</b>	<b>\$3,000,000</b>	<b>\$3,000,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	\$300,000		\$ 300,000
2018		\$2,700,000	\$2,700,000
<b>Total</b>	<b>\$300,000</b>	<b>\$2,700,000</b>	<b>\$3,000,000</b>

Estimated Initial Operations Impact					
	Personnel	Supplies	Purchased Services	Total	FTE
2019	\$95,200	\$16,320	\$14,960	\$126,480	1.6
<b>Total</b>	<b>\$92,200</b>	<b>\$16,320</b>	<b>\$14,960</b>	<b>\$126,480</b>	<b>1.6</b>

\*\$22,000 in new revenues is anticipated from site reservations, additional tournaments and league play.

# Park Renovations Projects

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Parks

Project Manager:  
Elizabeth Anderson

Phone Number:  
970.962.2456

Email:  
Elizabeth.Anderson@cityofloveland.org

Project Category:  
Construction

Project Number:  
Annual Program

Duration:  
2016-2025

\*\*\*\*\*

**Total Project Cost:  
\$4,110,000**

## About the Project

Renovation of neighborhood parks to improve safety and address use issues. Projects include shelters and restroom renovations to the infrastructure of these facilities .



Funding Sources			
Elements	Parks Improvement Fund	Conservation Trust	Total
2016	\$ 310,000		\$ 310,000
2017	\$ 100,000		\$ 100,000
2018	\$ 300,000		\$ 300,000
2020	\$ 100,000		\$100,000
2021	\$ 200,000		\$200,000
2022		\$1,300,000	\$1,300,000
2023	\$ 200,000		\$200,000
2024	\$ 300,000	\$1,300,000	\$1,600,000
<b>Total</b>	<b>1,510,000</b>	<b>\$2,600,000</b>	<b>\$4,110,000</b>

\*Operations impact negligible - any additional cost to be absorbed into existing operational budget.

Project Cost Estimates by Year		
Elements	Construction	Total
2016	\$ 310,000	\$ 310,000
2017	\$ 100,000	\$ 100,000
2018	\$ 300,000	\$ 300,000
2020	\$100,000	\$100,000
2021	\$200,000	\$200,000
2022	\$1,300,000	\$1,300,000
2023	\$200,000	\$200,000
2024	\$1,600,000	\$1,600,000
<b>Total</b>	<b>\$4,110,000</b>	<b>\$4,110,000</b>

# Neighborhood Parks

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Parks

Project Manager:  
Larry Callihan

Phone Number:  
970.962.2547

Email:  
Larry.Callihan@cityofloveland.org

Project Category:  
Construction

Project Number:  
TBD

Duration:  
2019-2023

\*\*\*\*\*

**Total Project Cost:  
\$3,200,000**

## 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
2019	\$300,000	\$300,000
2020	\$1,450,000	\$1,450,000
2023	\$1,450,000	\$1,450,000
<b>Total</b>	<b>\$3,200,000</b>	<b>\$3,200,000</b>

Project Cost Estimates by Year			
Elements	Land/Planning	Construction	Total
2019	\$ 300,000		\$ 300,000
2020	\$ 200,000	\$1,250,000	\$1,450,000
2023	\$ 200,000	\$1,250,000	\$1,450,000
<b>Total</b>	<b>\$700,000</b>	<b>\$2,500,000</b>	<b>\$3,200,000</b>

Estimated Initial Operations Impact					
	Personnel	Supplies	Purchased Services	Total	FTE
2021	\$30,000	\$7,000	\$3,000	\$40,000	
2024	\$30,000	\$7,000	\$3,000	\$40,000	
<b>Total</b>	<b>\$60,000</b>	<b>\$14,000</b>	<b>\$6,000</b>	<b>\$80,000</b>	

# Community Park Phase I

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Parks

Project Manager:  
Larry Callihan

Phone Number:  
970.962.2547

Email:  
Larry.Callihan@  
cityofloveland.org

Project Category:  
Construction

Project Number:  
TBD

Duration:  
2016 - 2025

\*\*\*\*\*

**Total Project  
Cost:  
\$10,500,000**

## About the Project

New community park land acquisition and development to meet park standards identified in the Master Plan.



Funding Sources			
Elements	General Fund	Parks CEF	Total
2016		\$1,500,000	<b>\$1,500,000</b>
2024		\$900,000	<b>\$900,000</b>
2025	5,100,000	\$3,000,000	<b>\$8,100,000</b>
<b>Total</b>	<b>\$5,100,000</b>	<b>\$5,400,000</b>	<b>\$10,500,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$1,500,000		<b>\$1,500,000</b>
2024	\$900,000		<b>\$900,000</b>
2025	\$1,000,000	\$7,100,000	<b>\$8,100,000</b>
<b>Total</b>	<b>\$3,400,000</b>	<b>\$7,100,000</b>	<b>\$10,500,000</b>

\*Operations impact unknown at this time.

# Kroh Park

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Parks

Project Manager:  
Larry Callihan

Phone Number:  
970.962.2547

Email:  
Larry.Callihan@  
cityofloveland.org

Project Category:  
Construction

Project Number:  
TBD

Duration:  
2020-2021

\*\*\*\*\*

**Total Project  
Cost:  
\$1,800,000**

## About the Project

This project is a two phase expansion of Kroh Park.

This project will include the development of the lower portion (12 acres) of Kroh Park off of Monroe Avenue. Site development may include: multi-use fields, volleyball area, a picnic shelter, restroom, and off-street parking or other facilities and activities.



Funding Sources		
Revenue	Parks CEF	Total
2020	\$ 300,000	\$ 300,000
2021	\$1,500,000	\$1,500,000
<b>Total</b>	<b>\$1,800,000</b>	<b>\$1,800,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2020	\$300,000		\$ 300,000
2021	-	\$1,500,000	\$1,500,000
<b>Total</b>	<b>\$300,000</b>	<b>\$1,500,000</b>	<b>\$1,800,000</b>

Estimated Initial Operations Impact					
	Personnel	Supplies	Purchased Services	Total	FTE
2022*	\$22,000	\$2,000	\$1,000	\$25,000	
<b>Total</b>	<b>\$22,000</b>	<b>\$2,000</b>	<b>\$1,000</b>	<b>\$25,000</b>	

\*Operations impact unknown at this time.

# Junior Achievement Park

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Parks

Project Manager:  
Larry Callihan

Phone Number:  
970.962.2547

Email:  
Larry.Callihan@cityofloveland.org

Project Category:  
Construction

Project Number:  
TBD

Duration:  
2019

\*\*\*\*\*

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

## About the Project

Project scope includes acquisition of land adjacent to property (0.84 Acres west of existing park) and expansion of the existing site (1.5 Acres south of existing park) across the Arkins Branch. Potential improvements include demolition of the structures on the property, a new playground, basketball court, limited off-street parking, and renovation of existing ball field.



Funding Sources			
Revenue	Parks Improvement	Parks CEF	Total
2019	\$500,000	\$250,000	\$750,000
<b>Total</b>	<b>\$500,000</b>	<b>\$250,000</b>	<b>\$750,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2019	\$100,000	\$650,000	\$750,000
<b>Total</b>	<b>\$100,000</b>	<b>\$650,000</b>	<b>\$750,000</b>

# North Lake Park

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Parks

Project Manager:  
Larry Callihan

Phone Number:  
970.962.2547

Email:  
Larry.Callihan@cityofloveland.org

Project Category:  
Construction

Project Number:  
TBD

Duration:  
2016-2019

\*\*\*\*\*

**Total Project Cost:  
\$1,266,660**

## About the Project

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



Funding Sources			
	General Fund	Conservation Trust	Total
2016		\$166,660	\$166,660
2018		\$100,000	\$100,000
2019	\$500,000	\$500,000	\$1,000,000
<b>Total</b>	<b>\$500,000</b>	<b>\$766,660</b>	<b>\$1,266,660</b>

Project Cost Estimates by Year			
	Planning	Construction	Total
2016		166,660	<b>\$166,660</b>
2018	\$100,000		<b>\$100,000</b>
2019	\$150,000	\$850,000	<b>\$1,000,000</b>
<b>Total</b>	<b>\$250,000</b>	<b>\$1,016,660</b>	<b>\$1,266,660</b>

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

# Cemetery Maintenance Shop

\*\*\*\*\*

Department:

Parks & Recreation

Division:

Parks

Project Manager:

Larry Callihan

Phone Number:

970.962.2547

Email:

Larry.Callihan@  
cityofloveland.org

Project Category:

Construction

Project Number:

TBD

Duration:

2016

\*\*\*\*\*

**Total Project  
Cost:  
\$471,000**

## About the Project

The Cemetery Shop (1,893 sq. ft) was constructed in 1968 and serves as an office area/public meeting place (sales and burial arrangements) and maintenance shop. The 45-year-old structure is in need of significant upgrades/repairs to meet ADA requirements and to meet public office/maintenance shop needs. Demolition and removal of the maintenance shop from site and conversion of building footprint to traditional burial lots for sale to public. Construction of new 2,200 sq. ft building near the cul-de-sac west of the existing shop. Estimate includes State permits, mitigation, building demolition/disposal, site grade work, irrigation and landscaping.



Funding Sources		
Revenue	General Fund	Total
2016	\$471,000	\$471,000
<b>Total</b>	<b>\$471,000</b>	<b>\$471,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		471,000	\$471,000
<b>Total</b>		<b>\$471,000</b>	<b>\$471,000</b>

# Recreation Facility

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Recreation

Project Manager:  
Keven Aggers

Phone Number:  
970.962.2449

Email:  
Keven.Aggers@cityofloveland.org

Project Category:  
Construction

Project Number:  
TBD

Duration:  
2016 - 2024

\*\*\*\*\*

**Total Project Cost:  
\$13,660,000**

## About the Project

This project would include the addition of an additional outdoor aquatics facility in Loveland. There is a continued demand for outdoor aquatics amenities and that demand was reintegrated in the community, results of the Master Plan update.



Funding Sources		
Revenue	Recreation CEF	Total
2016	\$300,000	<b>\$300,000</b>
2023	\$4,360,000	<b>\$4,360,000</b>
2024	\$9,000,000	<b>\$9,000,000</b>
<b>Total</b>	<b>\$13,660,000</b>	<b>\$13,660,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$300,000		<b>\$300,000</b>
2023	\$1,000,000	3,360,000	<b>\$4,360,000</b>
2024		\$9,000,000	<b>\$9,000,000</b>
<b>Total</b>	<b>\$1,300,000</b>	<b>\$12,360,000</b>	<b>\$13,660,000</b>

Estimated Initial Operations Impact					
	Personnel	Supplies	Purchased Services	Total	FTE
2025	\$500,000	\$100,000	\$100,000	\$700,000	
<b>Total</b>	<b>\$500,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$700,000</b>	

\*Revenue of \$500k anticipated to be generated when the facility opens through user charges and fees.

# North Lake Miniature Train Replacement

\*\*\*\*\*

Department:

Parks & Recreation

Division:

Recreation

Project Manager:

Keven Aggers

Phone Number:

970.962.2449

Email:

Keven.Aggers@cityofloveland.org

Project Category:

Construction

Project Number:

TBD

Duration:

2020

\*\*\*\*\*

**Total Project Cost:  
\$150,000**

## About the Project

The project includes renovation of the train engine under-carriage (brakes, hydraulics, diesel engine with modern drive train) and replacement of the cars utilizing funds from fees collected by the Lions Club & transferred to the City for the train.



Funding Sources		
Revenue	Recreation CEF	Total
2020	\$150,000	<b>\$150,000</b>
<b>Total</b>	<b>\$150,000</b>	<b>\$150,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2020		\$150,000	<b>\$150,000</b>
<b>Total</b>		<b>\$150,000</b>	<b>\$150,000</b>

# Centennial Park Concessions

\*\*\*\*\*

Department:

Parks & Recreation

Division:

Recreation

Project Manager:

Keven Aggers

Phone Number:

970.962.2449

Email:

Keven.Aggers@  
cityofloveland.org

Project Category:

Construction

Project Number:

TBD

Duration:

2017

\*\*\*\*\*

**Total Project  
Cost:  
\$165,000**

## About the Project

Renovate the existing office/umpire's space into a concession stand and add 500 sq. ft. of office/storage space to the north end of the building.



Funding Sources		
Revenue	Recreation CEF	Total
2017	\$165,000	<b>\$165,000</b>
<b>Total</b>	<b>\$165,000</b>	<b>\$165,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	\$15,000	\$150,000	<b>\$165,000</b>
<b>Total</b>	<b>\$15,000</b>	<b>\$150,000</b>	<b>\$165,000</b>

# ADA Transition Plan Update

\*\*\*\*\*

Department:

Parks & Recreation

Division:

Recreation

Project Manager:

Elizabeth Anderson

Phone Number:

970.962.2456

Email:

Elizabeth.Anderson@  
cityofloveland.org

Project Category:

Planning

Project Number:

TBD

Duration:

2017

\*\*\*\*\*

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

## About the Project

This project would include the update of the 1998 ADA Transitional Plan for Parks and Recreation Facilities and sites to evaluate our conformance to Federal mandates set forth in the Americans with Disabilities Act. Deficits were identified in the Park System as part of our 2014 Master Plan that will need to be addressed. All new sites are developed utilizing the most recent standards but many older facilities (i.e. restrooms, neighborhood parks, etc...) do not meet the mandated design standards.



Funding Sources		
Revenue	Recreation CEF	Total
2017	\$200,000	\$200,000
<b>Total</b>	<b>\$200,000</b>	<b>\$200,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	\$200,000		\$200,000
<b>Total</b>	<b>\$200,000</b>		<b>\$200,000</b>

# Police Regional Training Campus

\*\*\*\*\*

Department:

Police

Division:

Administration

Project Manager:

Ken Cooper

Phone Number:

970.962.2635

Email:

Ken.Cooper@cityofloveland.org

Project Category:

Construction

Project Number:

TBD

Duration:

2016-2018

\*\*\*\*\*

**Total Project Cost:  
\$6,825,000**

## About the Project

Construction of a police regional training campus to include a firing range, driving track, and a classroom. At final build-out, the facility will incorporate approximately 60,000 sq. ft.



The project is expected to be designed in the first year, followed by construction in two single-year phases. The first construction phase will include site and driving track, followed by indoor shooting ranges and a classroom in the second phase.

Funding Sources			
Revenue	TABOR	Police CEF	Total
2016	\$537,500	\$537,500	\$1,075,000
2017	\$2,875,000	\$2,875,000	\$5,750,000
<b>Total</b>	<b>\$3,412,500</b>	<b>\$3,412,500</b>	<b>\$6,825,000</b>

Project Cost Estimate by Year			
Elements	Design	Construction	Total
2016	\$1,075,000		\$1,075,000
2017		\$5,750,000	\$5,750,000
<b>Total</b>	<b>\$1,075,000</b>	<b>\$5,750,000</b>	<b>\$6,825,000</b>

Estimated Initial Operating Impact					
	Personnel	Supplies	Purchased Services	Total	FTE
2018	\$350,000			\$350,000	2
<b>Total</b>	<b>\$350,000</b>			<b>\$350,000</b>	<b>2</b>

# Facility Major Maintenance

\*\*\*\*\*

Department:

Public Works

Division:

Facilities Management

Project Manager:

Ken Cooper

Phone Number:

970.962.2635

Email:

Ken.Cooper@  
cityofloveland.org

Project Category:

Capital Projects

Project Number:

Multiple

Duration:

2016-2025

\*\*\*\*\*

**Total Project  
Cost:  
\$6,503,270**

## About the Project

Capital renewal and maintenance projects across City facilities to ensure their continued safe and reliable operations.

Projects include mechanical systems, electrical systems, plumbing needs, parking lot maintenance, painting and finishes, carpet replacement, etc.



Funding Sources		
Revenue	General Fund	Total
2016	\$554,400	\$554,400
2017	\$573,800	\$573,800
2018	\$593,800	\$593,800
2019	\$614,600	\$614,600
2020	\$636,100	\$636,100
2021	\$658,400	\$658,400
2022	\$681,400	\$681,400
2023	\$705,300	\$705,300
2024	\$729,970	\$729,970
2025	\$755,500	\$755,500
<b>Total</b>	<b>\$6,503,570</b>	<b>\$6,503,270</b>

Project Cost Estimates by Year			
Elements	Building Maintenance	Roof Replacement	Total
2016	\$433,800	\$110,600	\$554,400
2017	\$573,800		\$573,800
2018	\$593,800		\$593,800
2019	\$440,800	\$173,800	\$614,600
2020	\$636,100		\$636,100
2021	\$658,400		\$658,400
2022	\$601,400	\$80,000	\$681,400
2023	\$480,300	\$225,000	\$705,300
2024	\$343,000	\$386,970	\$729,970
2025	\$755,500		\$755,500
<b>Total</b>	<b>\$5,526,900</b>	<b>\$976,370</b>	<b>\$6,503,270</b>

# Street Rehabilitation Program

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave DeBaere

Phone Number:

970.962.2510

Email:

Dave.DeBaere@cityofloveland.org

Project Category:

Street Resurfacing

Project Number:

NA

Duration:

2016-2025

\*\*\*\*\*

**Total Project Cost:  
\$52,340,910**

## About the Project

The City budgets for annual street maintenance costs. Projects consist of street resurfacing, major reconstruction, concrete rehabilitation, and cul-de-sac 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	Hwy Users Tax Fund (HUTF)	Transportation Fee	Total
2016	\$2,241,585	\$2,241,585	\$4,483,170
2017	\$2,310,335	\$2,310,335	\$4,620,670
2018	\$2,431,145	\$2,431,145	\$4,862,290
2019	\$2,504,080	\$2,504,080	\$5,008,160
2020	\$2,579,200	\$2,579,200	\$5,158,400
2021	\$2,656,575	\$2,656,575	\$5,313,150
2022	\$2,736,270	\$2,736,270	\$5,472,540
2023	\$2,818,360	\$2,818,360	\$5,636,720
2024	\$2,902,910	\$2,902,910	\$5,805,820
2025	\$2,989,995	\$2,989,995	\$5,979,990
<b>Total</b>	<b>\$26,170,455</b>	<b>\$26,170,455</b>	<b>\$52,340,910</b>

Project Cost Estimates by Year			
Elements	Planning	Capital	Total
2016	\$20,000	\$4,463,170	\$4,483,170
2017	\$76,000	\$4,544,670	\$4,620,670
2018	\$20,000	\$4,842,290	\$4,862,290
2019	\$60,000	\$4,948,160	\$5,008,160
2020	\$20,000	\$5,138,400	\$5,158,400
2021	\$72,000	\$5,241,150	\$5,313,150
2022	\$20,000	\$5,452,540	\$5,472,540
2023	\$76,000	\$5,560,720	\$5,636,720
2024	\$20,000	\$5,785,820	\$5,805,820
2025	\$79,990	\$5,900,000	\$5,979,990
<b>Total</b>	<b>\$463,990</b>	<b>\$51,876,920</b>	<b>\$52,340,910</b>

# Street Rehabilitation Street Resurfacing

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave DeBaere

Phone Number:

970.962.2510

Email:

Dave.DeBaere@  
cityofloveland.org

Project Category:

Street Resurfacing

Project Number:

NA

Duration:

2016-2025

\*\*\*\*\*

## Total Project Cost: \$36,757,550

## About the Project

Description: Provide planning and implementation for street surface repairs. Includes asphalt overlays, hot -in-place recycling of pavements, chip and seal projects, occasional spot repairs or safety improvements, support for Traffic Engineering for street maintenance projects, asphaltic concrete and crack sealing materials for use by Street Maintenance.



Funding Sources			
Revenue	Hwy Users Tax Fund (HUTF)	Transportation Fee	Total
2016	\$1,379,100	\$1,379,100	\$2,758,200
2017	\$1,717,475	\$1,717,475	\$3,434,950
2018	\$1,518,540	\$1,518,540	\$3,037,080
2019	\$1,903,345	\$1,903,345	\$3,806,690
2020	\$1,724,945	\$1,724,945	\$3,449,890
2021	\$2,022,390	\$2,022,390	\$4,044,780
2022	\$1,783,740	\$1,783,740	\$3,567,480
2023	\$2,143,055	\$2,143,055	\$4,286,110
2024	\$1,895,385	\$1,895,385	\$3,790,770
2025	\$2,290,800	\$2,290,800	\$4,581,600
<b>Total</b>	<b>\$18,378,775</b>	<b>\$18,378,775</b>	<b>\$36,757,550</b>

Project Cost Estimates by Year			
Elements	Planning	Capital	Total
2016	\$20,000	\$2,738,200	\$2,758,200
2017	\$20,000	\$3,414,950	\$3,434,950
2018	\$20,000	\$3,017,080	\$3,037,080
2019	\$20,000	\$3,786,690	\$3,806,690
2020	\$20,000	\$3,429,890	\$3,449,890
2021	\$20,000	\$4,024,780	\$4,044,780
2022	\$20,000	\$3,547,480	\$3,567,480
2023	\$20,000	\$4,266,110	\$4,286,110
2024	\$20,000	\$3,770,770	\$3,790,770
2025	\$20,000	\$4,561,600	\$4,581,600
<b>Total</b>	<b>\$200,000</b>	<b>\$36,557,550</b>	<b>\$36,757,550</b>

# Street Rehabilitation

## Street Reconstruction

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave DeBaere

Phone Number:

970.962.2510

Email:

Dave.DeBaere@cityofloveland.org

Project Category:

Heavy Street Maintenance

Project Number:

NA

Duration:

2016-2025

\*\*\*\*\*

**Total Project Cost:**  
**\$3,456,000**

### About the Project

Description: Reconstruction of streets that have deteriorated to the point that routine street maintenance is not an economical alternative.



Funding Sources			
Revenue	Hwy Users Tax Fund (HUTF)	Transportation Fee	Total
2016	\$325,000	\$325,000	\$650,000
2017	\$28,000	\$28,000	\$56,000
2018	\$350,000	\$350,000	\$700,000
2019	\$20,000	\$20,000	\$40,000
2020	\$250,000	\$250,000	\$500,000
2021	\$26,000	\$26,000	\$52,000
2022	\$325,000	\$325,000	\$650,000
2023	\$28,000	\$28,000	\$56,000
2024	\$350,000	\$350,000	\$700,000
2025	\$26,000	\$26,000	\$52,000
<b>Total</b>	<b>\$1,728,000</b>	<b>\$1,728,000</b>	<b>\$3,456,000</b>

Project Cost Estimates by Year			
Elements	Planning	Capital	Total
2016	\$0	\$650,000	\$650,000
2017	\$56,000	\$0	\$56,000
2018	\$0	\$700,000	\$700,000
2019	\$40,000	\$0	\$40,000
2020	\$0	\$500,000	\$500,000
2021	\$52,000	\$0	\$52,000
2022	\$0	\$650,000	\$650,000
2023	\$56,000	\$0	\$56,000
2024	\$0	\$700,000	\$700,000
2025	\$52,000	\$0	\$52,000
<b>Total</b>	<b>\$256,000</b>	<b>\$3,200,000</b>	<b>\$3,456,000</b>

# Street Rehabilitation Concrete Rehabilitation

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave DeBaere

Phone Number:

970.962.2510

Email:

Dave.DeBaere@  
cityofloveland.org

Project Category:

Concrete Rehab / Repairs

Project Number:

NA

Duration:

2016-2025

\*\*\*\*\*

**Total Project  
Cost:  
\$9,457,370**

## About the Project

Description: Concrete curb and gutter and attached sidewalk repairs in areas targeted for street pavement maintenance, repair of intersection cross-pan drains, sidewalk repair cost sharing with property owners, miscellaneous repair of curb and gutter and sidewalk city-wide, replacement of intersection ramps not currently meeting ADA requirements.



<b>Funding Sources</b>			
Revenue	Hwy Users Tax Fund (HUTF)	Transportation Fee	Total
2016	\$412,485	\$412,485	<b>\$824,970</b>
2017	\$424,860	\$424,860	<b>\$849,720</b>
2018	\$437,605	\$437,605	<b>\$875,210</b>
2019	\$450,735	\$450,735	<b>\$901,470</b>
2020	\$464,255	\$464,255	<b>\$928,510</b>
2021	\$478,185	\$478,185	<b>\$956,370</b>
2022	\$492,530	\$492,530	<b>\$985,060</b>
2023	\$507,305	\$507,305	<b>\$1,014,610</b>
2024	\$522,525	\$522,525	<b>\$1,045,050</b>
2025	\$538,200	\$538,200	<b>\$1,076,400</b>
<b>Total</b>	<b>\$4,728,685</b>	<b>\$4,728,685</b>	<b>\$9,457,370</b>

<b>Project Cost Estimates by Year</b>			
Elements	Planning	Capital	Total
2016		\$824,970	<b>\$824,970</b>
2017		\$849,720	<b>\$849,720</b>
2018		\$875,210	<b>\$875,210</b>
2019		\$901,470	<b>\$901,470</b>
2020		\$928,510	<b>\$928,510</b>
2021		\$956,370	<b>\$956,370</b>
2022		\$985,060	<b>\$985,060</b>
2023		\$1,014,610	<b>\$1,014,610</b>
2024		\$1,045,050	<b>\$1,045,050</b>
2025		\$1,076,400	<b>\$1,076,400</b>
<b>Total</b>		<b>\$9,457,370</b>	<b>\$9,457,370</b>

# Street Rehabilitation

## Cul-de-Sac Repair

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave DeBaere

Phone Number:

970.962.2510

Email:

Dave.DeBaere@  
cityofloveland.org

Project Category:

Cul-de-Sac Pavement Maint.

Project Number:

NA

Duration:

2016-2025

\*\*\*\*\*

## Total Project Cost: \$2,670,000

### About the Project

Description: Repair of cul-de-sacs at the terminus of streets scheduled for other pavement maintenance activities. Normal chip and seal or other surface maintenance operations are not durable in cul-de-sacs. A separate contract is used to upgrade these features. Based on repair of 14-16 cul-de-sacs, annually.



Funding Sources			
Revenue	Hwy Users Tax Fund (HUTF)	Transportation Fee	Total
2016	\$125,000	\$125,000	\$250,000
2017	\$140,000	\$140,000	\$280,000
2018	\$125,000	\$125,000	\$250,000
2019	\$130,000	\$130,000	\$260,000
2020	\$140,000	\$140,000	\$280,000
2021	\$130,000	\$130,000	\$260,000
2022	\$135,000	\$135,000	\$270,000
2023	\$140,000	\$140,000	\$280,000
2024	\$135,000	\$135,000	\$270,000
2025	\$135,000	\$135,000	\$270,000
<b>Total</b>	<b>\$1,335,000</b>	<b>\$1,335,000</b>	<b>\$2,670,000</b>

Project Cost Estimates by Year			
Elements	Planning	Capital	Total
2016		\$250,000	\$250,000
2017		\$280,000	\$280,000
2018		\$250,000	\$250,000
2019		\$260,000	\$260,000
2020		\$280,000	\$280,000
2021		\$260,000	\$260,000
2022		\$270,000	\$270,000
2023		\$280,000	\$280,000
2024		\$270,000	\$270,000
2025		\$270,000	\$270,000
<b>Total</b>		<b>\$2,670,000</b>	<b>\$2,670,000</b>

# Bridge Maintenance Program

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Shawn Fetzer

Phone Number:

970.962.2636

Email:

Shawn.Fetzer@cityofloveland.org

Project Category:

Annual Maintenance

Project Number:

NA

Duration:

2016-2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$200,000**

## About the Project

Description: Based on Bi-Annual Bridge Inspection Program and annual Inspections by staff, a bridge maintenance program is developed for structural elements and deck repairs.



Funding Sources		
Revenue	General Fund	Total
2016	\$100,000	\$100,000
2017	\$100,000	\$100,000
2018		
2019		
2020		
2021		
2022		
2023		
2024		
2025		
<b>Total</b>	<b>\$200,000</b>	<b>\$200,000</b>

Project Cost Estimates by Year			
Elements	Planning	Capital	Total
2016	\$10,000	\$90,000	\$100,000
2017	\$10,000	\$90,000	\$100,000
2018			
2019			
2020			
2021			
2022			
2023			
2024			
2025			
<b>Total</b>	<b>\$20,000</b>	<b>\$180,000</b>	<b>\$200,000</b>

# South Loveland Outfall Phase 3

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Kevin Gingery & Eric Lessard

Phone Number:

970.962.2771 & 2773

Email:

Kevin.Gingery or Eric.Lessard @  
cityofloveland.org

Project Category:

Capital Program & SIF

Project Number:

SW0902

Duration:

2016-2021

\*\*\*\*\*

**Total Project  
Cost:  
\$8,328,200**

## 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 and regional detention pond.



Funding Sources		
Revenue	Enterprise	Total
2016	\$160,000	<b>\$160,000</b>
2017	\$350,000	<b>\$350,000</b>
2018	\$1,060,000	<b>\$1,060,000</b>
2019	\$4,615,000	<b>\$4,615,000</b>
2021	\$1,530,000	<b>\$1,530,000</b>
<b>Total</b>	<b>\$7,715,000</b>	<b>\$7,715,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$160,000		<b>\$160,000</b>
2017	\$350,000		<b>\$350,000</b>
2018		\$1,060,000	<b>\$1,060,000</b>
2019	\$115,000	\$4,500,000	<b>\$4,615,000</b>
2021		\$1,530,000	<b>\$1,530,000</b>
<b>Total</b>	<b>\$625,000</b>	<b>\$7,090,600</b>	<b>\$7,715,000</b>

# Madison Ave. Outfall (Outlet Redirection)

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Chris Carlson

Phone Number:

970.962.2774

Email:

Chris.Carlson@  
cityofloveland.org

Project Category:

Capital Program

Project Number:

TBD

Duration:

2016-2017

\*\*\*\*\*

**Total Project  
Cost:  
\$650,000**

## 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
2016	\$50,000	<b>\$50,000</b>
2017	\$600,000	<b>\$600,000</b>
<b>Total</b>	<b>\$650,000</b>	<b>\$650,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$50,000	\$0	<b>\$50,000</b>
2017	\$0	\$600,000	<b>\$600,000</b>
<b>Total</b>	<b>\$50,000</b>	<b>\$600,000</b>	<b>\$650,000</b>

# Silver Lake Improvements

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Capital Program

Project Number:

TBD

Duration:

2017-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$1,055,000**

## About the Project

A project to reduce flooding problems along Highway 287 and along 23<sup>rd</sup> Street. This project includes the installation of an underground storm drainage system.



Funding Sources		
Revenue	Enterprise	Total
2017	\$125,000	<b>\$125,000</b>
2018	\$930,000	<b>\$930,000</b>
<b>Total</b>	<b>\$1,055,000</b>	<b>\$1,055,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	\$125,000	-	<b>\$125,000</b>
2018	-	\$930,000	<b>\$930,000</b>
<b>Total</b>	<b>\$125,000</b>	<b>\$930,000</b>	<b>\$1,055,000</b>

# Maintenance / Asset Mgmt. Projects

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Eric Lessard

Phone Number:

970.962.2773

Email:

Eric.Lessard@cityofloveland.org

Project Category:

Capital Program

Project Number:

N/A

Duration:

2016-2025

\*\*\*\*\*

**Total Project  
Cost:  
\$4,950,000**

## About the Project

An annual program to address deteriorating storm drainage infrastructure within the City. This program includes the replacement of inlets, manholes, storm sewers, channel re-grading, detention pond retrofits, and installing Stormwater quality improvements. The annual funding is set at \$475,000 per year



except in 2016 when it will be set at \$675,000 for one year to help address stormwater quality improvement needs within the Caddoa Basin. Maintenance projects are prioritized to remain within the allocation.

Funding Sources		
Revenue	Enterprise	Total
2016	\$675,000	\$675,000
2017	\$475,000	\$475,000
2018	\$475,000	\$475,000
2019	\$475,000	\$475,000
2020	\$475,000	\$475,000
2021	\$475,000	\$475,000
2022	\$475,000	\$475,000
2023	\$475,000	\$475,000
2024	\$475,000	\$475,000
2025	\$475,000	\$475,000
<b>Total</b>	<b>\$4,950,000</b>	<b>\$4,950,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$675,000	\$675,000
2017		\$475,000	\$475,000
2018		\$475,000	\$475,000
2019		\$475,000	\$475,000
2020		\$475,000	\$475,000
2021		\$475,000	\$475,000
2022		\$475,000	\$475,000
2023		\$475,000	\$475,000
2024		\$475,000	\$475,000
2025		\$475,000	\$475,000
<b>Total</b>		<b>\$4,950,000</b>	<b>\$4,950,000</b>

# Boyd Lake Outlet Ditch Improvements

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Kevin Gingery

Phone Number:

970.962.2771

Email:

Kevin.Gingery@  
cityofloveland.org

Project Category:

SIF

Project Number:

SW0711

Duration:

2016-2024

\*\*\*\*\*

**Total Project  
Cost:  
\$1,451,590**

## 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 this 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 Years	\$301,590	<b>\$301,590</b>
2017	\$400,000	<b>\$400,000</b>
2024	\$750,000	<b>\$750,000</b>
<b>Total</b>	<b>\$1,451,590</b>	<b>\$1,451,590</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
Prior Years	\$301,590	-	<b>\$301,590</b>
2017	-	\$400,000	<b>\$400,000</b>
2024	-	\$750,000	<b>\$750,000</b>
<b>Total</b>	<b>\$301,590</b>	<b>\$1,150,000</b>	<b>\$1,451,590</b>

# New Equipment and Replacement

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Mick Mercer

Phone Number:

970.962.2530

Email:

Mick.Mercer@  
cityofloveland.org

Project Category:

Equipment Replacement

Project Number:

NA

Duration:

2016-2025

\*\*\*\*\*

**Total Project  
Cost:  
\$5,997,500**

## 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
2016		\$457,000	<b>\$457,000</b>
2017		\$302,000	<b>\$302,000</b>
2018		\$542,000	<b>\$542,000</b>
2019		\$377,500	<b>\$377,500</b>
2020		\$706,000	<b>\$706,000</b>
2021		\$368,000	<b>\$368,000</b>
2022		\$910,000	<b>\$910,000</b>
2023		\$669,000	<b>\$669,000</b>
2024		\$688,000	<b>\$688,000</b>
2025		\$978,000	<b>\$978,000</b>
<b>Total</b>		<b>\$5,997,500</b>	<b>\$5,997,500</b>

Project Cost Estimates by Year			
Elements	Planning	Equipment	Total
2016		\$457,000	<b>\$457,000</b>
2017		\$302,000	<b>\$302,000</b>
2018		\$542,000	<b>\$542,000</b>
2019		\$377,500	<b>\$377,500</b>
2020		\$706,000	<b>\$706,000</b>
2021		\$368,000	<b>\$368,000</b>
2022		\$910,000	<b>\$910,000</b>
2023		\$669,000	<b>\$669,000</b>
2024		\$688,000	<b>\$688,000</b>
2025		\$978,000	<b>\$978,000</b>
<b>Total</b>		<b>\$5,997,500</b>	<b>\$5,997,500</b>

Estimated Initial Operations Impact					
	Personnel	Supplies	Purchased Services	Total	FTE
2017	\$80,000	\$1,000	\$20,000	\$101,000	1
2021	\$92,000	\$1,000	\$20,000	\$113,000	1
<b>Total</b>	<b>\$172,000</b>	<b>\$2,000</b>	<b>\$40,000</b>	<b>\$214,000</b>	<b>2</b>

# Garfield and Harrison Outfall

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Department:  
Public Works

Division:  
Stormwater Engineering

Project Manager:  
TBD

Phone Number:  
TBD

Email:  
TBD

Project Category:  
Capital Program

Project Number:  
TBD

Duration:  
2018-2024

\*\*\*\*\*

**Total Project Cost:  
\$11,650,000**

## About the Project

A project to reduce flooding problems within the residential neighborhood located between Garfield Avenue, Taft Avenue, 1<sup>st</sup> Street, and Eisenhower Boulevard. This project includes the installation of an underground storm drainage system which will outlet into the Big Thompson River.



Funding Sources		
Revenue	Enterprise	Total
2018	\$250,000	<b>\$250,000</b>
2019	\$200,000	<b>\$200,000</b>
2021	\$3,700,000	<b>\$3,700,000</b>
2022	\$3,500,000	<b>\$3,500,000</b>
2024	\$4,000,000	<b>\$4,000,000</b>
<b>Total</b>	<b>\$11,650,000</b>	<b>\$11,650,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2018	\$250,000	\$0	<b>\$250,000</b>
2019	\$200,000	\$0	<b>\$200,000</b>
2021	\$200,000	\$3,500,000	<b>\$3,700,000</b>
2022	-	\$3,500,000	<b>\$3,500,000</b>
2024	-	\$4,000,000	<b>\$4,000,000</b>
<b>Total</b>	<b>\$650,000</b>	<b>\$11,000,000</b>	<b>\$11,650,000</b>

Estimated Initial Operations Impact					
	Personnel	Supplies	Purchased Services	Total	FTE
2021	\$125,000	\$1,000	\$20,000	\$146,000	1
<b>Total</b>	<b>\$125,000</b>	<b>\$1,000</b>	<b>\$20,000</b>	<b>\$146,000</b>	<b>1</b>

\*Operations impact negligible

# South Rist

## Benson Lake Outfall

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Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Capital Program

Project Number:

TBD

Duration:

2022-2024

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**Total Project  
Cost:  
\$1,675,000**

### About the Project

A project to reduce flooding problems within the residential neighborhood located between Eisenhower Boulevard, the Big Barnes Ditch, Wilson Avenue, and Namaqua Avenue. This project includes the installation of an underground storm drainage system which will outlet into the Big Thompson River.



Funding Sources		
Revenue	Enterprise	Total
2022	\$175,000	<b>\$175,000</b>
2024	\$1,500,000	<b>\$1,500,000</b>
<b>Total</b>	<b>\$1,675,000</b>	<b>\$1,675,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2022	\$175,000	\$0	<b>\$175,000</b>
2024	\$0	\$1,500,000	<b>\$1,500,000</b>
<b>Total</b>	<b>\$175,000</b>	<b>\$1,500,000</b>	<b>\$1,675,000</b>

# 16th Street Storm Sewer System

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Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Capital Program

Project Number:

TBD

Duration:

2022-2023

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

## About the Project

A project to reduce flooding problems within the residential neighborhood located between Eisenhower Boulevard, 16<sup>th</sup> Street, Boise Avenue, and Cheyenne Avenue. This project includes the installation of an underground storm drainage system which will outlet into the Greeley & Loveland irrigation canal.



Funding Sources		
Revenue	Enterprise	Total
2022	\$100,000	<b>\$100,000</b>
2023	\$800,000	<b>\$800,000</b>
<b>Total</b>	<b>\$900,000</b>	<b>\$900,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2022	\$100,000	-	<b>\$100,000</b>
2023	-	\$800,000	<b>\$800,000</b>
<b>Total</b>	<b>\$100,000</b>	<b>\$800,000</b>	<b>\$900,000</b>

# Wilson & Eisenhower Improvements

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Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Capital Program

Project Number:

TBD

Duration:

2024

\*\*\*\*\*

**Total Project Cost:  
\$450,000**

## About the Project

A project to reduce flooding problems along Wilson Avenue between Eisenhower Boulevard and 17<sup>th</sup> Street. This project includes the installation of an underground storm drainage system which will outlet into the Big Thompson River.



Costs shown reflect project design only as construction is scheduled outside of the ten year capital program window.

Funding Sources		
Revenue	Enterprise	Total
2024	\$450,000	\$450,000
<b>Total</b>	<b>\$450,000</b>	<b>\$450,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2024	\$450,000	-	<b>\$450,000</b>
<b>Total</b>	<b>\$450,000</b>	-	<b>\$450,000</b>

# 29th & Sheridan Improvements

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Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Capital Program

Project Number:

TBD

Duration:

2019-2020

\*\*\*\*\*

**Total Project Cost:  
\$390,000**

## About the Project

A project to reduce flooding problems at 29<sup>th</sup> Street and Sheridan Avenue. This project includes the installation of an underground storm drainage system which will outlet into the Lake Loveland Outlet Channel.



Funding Sources		
Revenue	Enterprise	Total
2019	\$40,000	<b>\$40,000</b>
2020	\$350,000	<b>\$350,000</b>
<b>Total</b>	<b>\$390,000</b>	<b>\$390,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2019	\$40,000	-	<b>\$40,000</b>
2020		\$350,000	<b>\$350,000</b>
<b>Total</b>	<b>\$40,000</b>	<b>\$350,000</b>	<b>\$390,000</b>

# Baretta Drive Improvements

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Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Capital Program

Project Number:

TBD

Duration:

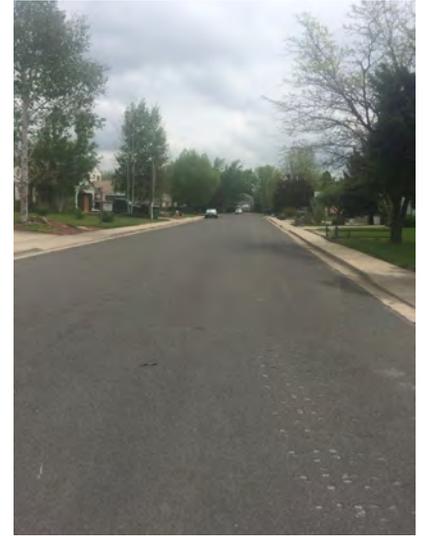
2024-2025

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**Total Project Cost:  
\$695,000**

## About the Project

A project to reduce flooding problems at Baretta Drive and Boxelder Drive. This project includes the installation of an underground storm drainage system which will outlet into Woodmere Park.



Funding Sources		
Revenue	Enterprise	Total
2024	\$70,000	<b>\$70,000</b>
2025	\$625,000	<b>\$625,000</b>
<b>Total</b>	<b>\$695,000</b>	<b>\$695,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2024	\$70,000	-	<b>\$70,000</b>
2025		\$625,000	<b>\$625,000</b>
<b>Total</b>	<b>\$70,000</b>	<b>\$625,000</b>	<b>\$695,000</b>

# 29th & Monroe Outfall (Phase 2 — Dry Creek)

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Chris Carlson

Phone Number:

970.962.2774

Email:

Chris.Carlson@  
cityofloveland.org

Project Category:

Capital Program

Project Number:

TBD

Duration:

2016-2017

\*\*\*\*\*

**Total Project  
Cost:  
\$1,200,000**

## 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
2016	\$50,000	<b>\$50,000</b>
2017	\$1,150,000	<b>\$1,150,000</b>
<b>Total</b>	<b>\$1,200,000</b>	<b>\$1,200,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$50,000	-	<b>\$50,000</b>
2017	-	\$1,150,000	<b>\$1,150,000</b>
<b>Total</b>	<b>\$50,000</b>	<b>\$1,150,000</b>	<b>\$1,200,000</b>

# Airport Basin North Outfall

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Chris Carlson

Phone Number:

970.962.2774

Email:

Chris.Carlson@  
cityofloveland.org

Project Category:

Capital Program

Project Number:

TBD

Duration:

2016

\*\*\*\*\*

**Total Project  
Cost:  
\$1,582,390**

## About the Project

A project to construct an underground storm drainage conduit for the regional detention pond outlet. The regional detention pond is 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	\$82,390	<b>\$82,390</b>
2016	\$1,500,000	<b>\$1,500,000</b>
<b>Total</b>	<b>\$1,582,390</b>	<b>\$1,582,390</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
Prior Years	\$82,390	-	<b>\$82,390</b>
2016	-	\$1,500,000	<b>\$1,500,000</b>
<b>Total</b>	<b>\$82,390</b>	<b>\$1,500,000</b>	<b>\$1,582,390</b>

# Benson Park— 29th Street Culvert

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Eric Lessard

Phone Number:

970.962.2773

Email:

Eric.Lessard@  
cityofloveland.org

Project Category:

Capital Program

Project Number:

SW1204

Duration:

2016

\*\*\*\*\*

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

## About the Project

A project to line the existing culvert and install a second one under 29<sup>th</sup> Street at the outlet to the Benson Park pond. The existing culvert is corrugated metal and is



in the process of failing because of significant corrosion. The purpose of this project is to repair the crossing before the existing culvert collapses.

Funding Sources		
Revenue	Enterprise	Total
2016	\$1,000,000	\$1,000,000
<b>Total</b>	<b>\$1,000,000</b>	<b>\$1,000,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$1,000,000	\$1,000,000
<b>Total</b>		<b>\$1,000,000</b>	<b>\$1,000,000</b>

# Undefined Engineering

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Kevin Gingery

Phone Number:

970.962.2771

Email:

Kevin.Gingery@cityofloveland.org

Project Category:

Capital Program

Project Number:

TBD

Duration:

2016-2025

\*\*\*\*\*

**Total Project Cost:  
\$1,905,000**

## About the Project

An annual program to address the engineering, surveying, and geotechnical services for miscellaneous small maintenance projects and unknown needs that arise each year. These projects are often unexpected, require fast turnaround, and are needed to address immediate needs.



Funding Sources		
Revenue	Enterprise	Total
2016	\$255,000	<b>\$255,000</b>
2017	\$250,000	<b>\$250,000</b>
2018	\$175,000	<b>\$175,000</b>
2019	\$175,000	<b>\$175,000</b>
2020	\$175,000	<b>\$175,000</b>
2021	\$175,000	<b>\$175,000</b>
2022	\$175,000	<b>\$175,000</b>
2023	\$175,000	<b>\$175,000</b>
2024	\$175,000	<b>\$175,000</b>
2025	\$175,000	<b>\$175,000</b>
<b>Total</b>	<b>\$1,905,000</b>	<b>\$1,905,000</b>

Project Cost Estimates by Year			
Elements	Planning	Equipment	Total
2016	\$255,000		<b>\$255,000</b>
2017	\$250,000		<b>\$250,000</b>
2018	\$175,000		<b>\$175,000</b>
2019	\$175,000		<b>\$175,000</b>
2020	\$175,000		<b>\$175,000</b>
2021	\$175,000		<b>\$175,000</b>
2022	\$175,000		<b>\$175,000</b>
2023	\$175,000		<b>\$175,000</b>
2024	\$175,000		<b>\$175,000</b>
2025	\$175,000		<b>\$175,000</b>
<b>Total</b>	<b>\$1,905,000</b>		<b>\$1,905,000</b>

# 2016- 2025 Transportation Program

The City of Loveland 2035 Transportation Plan (2035 Plan), adopted by City Council in December 2012, states that “a well-balanced, well-maintained transportation system is critical for sustaining Loveland’s high quality of life.” The purpose of the 2035 Plan is to “provide a document that guides transportation decision making toward a future desirable to the community of Loveland.” The 2035 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 2035 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 2035 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 2035 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 2035 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.

The City of Loveland’s Transportation Capital Program (TCP) is the programming of projects in order to implement the 2035 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 2035 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 (A recent example is the Boyd Lake Extension from 5<sup>th</sup> Street to SH 60.)

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 2035 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 2035 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. A portion of that gap was addressed in the 2013 budget process. The detailed transportation maintenance plan (10 Year Street Rehabilitation Plan) is included in other parts of the CIP.

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

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Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave Klockeman

Phone Number:

970.962.2514

Email:

Dave.Klockeman@cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2016-2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$22,821,000**

## About the Project

- Annual On-Going Projects - \$7,860,000
- Reimbursement Projects - \$3,191,000
- Taft Avenue Phase II - \$1,280,000
- Madison Ave. (Silverleaf to 29th) - \$2,140,000
- 37<sup>th</sup> (US 287 to Lincoln) - \$2,500,000
- Madison (29<sup>th</sup> to 37<sup>th</sup>) - \$800,000
- Byrd Drive (Crossroads to Earhart) - \$500,000
- Boise Ave. (Mt. Col. to 37th) - \$500,000
- 29<sup>th</sup> Street at Beech Court - \$550,000
- US 34 (Denver to I-25) - \$3,500,000



Funding Sources				
Revenue	General Fund	Streets CEF	Other	Total
2016	\$546,000	\$1,424,000		<b>\$1,970,000</b>
2017	929,600	1,518,400		<b>2,448,000</b>
2018	421,000	1,579,000		<b>2,000,000</b>
2019	413,000	2,887,000		<b>3,300,000</b>
2020	387,000	1,087,000		<b>1,474,000</b>
2021	390,800	1,058,200		<b>1,449,000</b>
2022	558,500	1,766,500		<b>2,325,000</b>
2023	586,500	1,825,500		<b>2,412,000</b>
2024	620,500	1,897,500		<b>2,518,000</b>
2025	990,500	1,934,500		<b>2,925,000</b>
<b>Total</b>	<b>\$5,843,400</b>	<b>\$16,977,600</b>		<b>\$22,821,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$147,000	\$1,823,000	<b>\$1,970,000</b>
2017	240,000	2,208,000	<b>2,448,000</b>
2018	157,000	1,843,000	<b>2,000,000</b>
2019	145,000	3,155,000	<b>3,300,000</b>
2020	120,000	1,354,000	<b>1,474,000</b>
2021	134,000	1,315,000	<b>1,449,000</b>
2022	290,000	2,035,000	<b>2,325,000</b>
2023	312,000	2,100,000	<b>2,412,000</b>
2024	342,000	2,176,000	<b>2,518,000</b>
2025	350,000	2,575,000	<b>2,925,000</b>
<b>Total</b>	<b>\$2,237,000</b>	<b>\$20,584,000</b>	<b>\$22,821,000</b>

**Note:** Detailed project information available through Public Works Department Project Engineering Division. All construction costs shown are engineering estimates until projects are bid.

# Transportation Program

## Annual On-Going Projects

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave Klockeman

Phone Number:

970.962.2514

Email:

Dave.Klockeman@cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2016-2025

\*\*\*\*\*

### Total Project

### Cost:

## \$7,860,000

### About the Project

Annual projects to complete portions of existing transportation infrastructure.

**Bike Route Signing and Striping** - \$260,000

**Bike Lane/Sidewalk Construction** - \$600,000

**Misc. Right-of-Way Acquisition** - \$1,800,000

**Small Capital Projects** - \$1,000,000

**Miscellaneous Repairs** - \$2,400,000

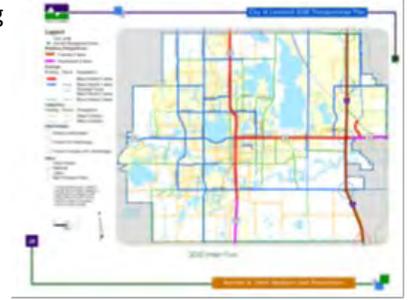
**Transportation Master Plan Update** - \$200,000

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

**Signal System Interconnect (Traffic)** - \$600,000

**School Flasher Units (Traffic)** - \$100,000

**Miscellaneous Bridge Repairs** - \$400,000



Funding Sources			
Revenue	General Fund	Streets CEF	Total
2016	\$286,000	\$364,000	\$ 650,000
2017	\$282,000	\$458,000	\$ 740,000
2018	\$311,000	\$439,000	\$ 750,000
2019	\$307,000	\$423,000	\$ 730,000
2020	\$311,000	\$389,000	\$ 700,000
2021	\$307,000	\$363,000	\$ 670,000
2022	\$338,500	\$526,500	\$ 865,000
2023	\$400,000	\$545,000	\$ 945,000
2024	\$402,000	\$563,000	\$ 965,000
2025	\$334,500	\$510,500	\$ 845,000
<b>Total</b>	<b>\$3,279,000</b>	<b>\$4,581,000</b>	<b>\$7,860,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$ 80,000	\$ 570,000	\$ 650,000
2017	\$ 80,000	\$ 660,000	\$ 740,000
2018	\$ 60,000	\$ 690,000	\$ 750,000
2019	\$ 60,000	\$ 670,000	\$ 730,000
2020	\$ 60,000	\$ 640,000	\$ 700,000
2021	\$ 60,000	\$ 610,000	\$ 670,000
2022	\$ 70,000	\$ 795,000	\$ 865,000
2023	\$ 80,000	\$ 865,000	\$ 945,000
2024	\$ 80,000	\$ 885,000	\$ 965,000
2025	\$ 70,000	\$ 775,000	\$ 845,000
<b>Total</b>	<b>\$700,000</b>	<b>\$7,160,000</b>	<b>\$7,860,000</b>

# Transportation Program

## Developer Reimbursement Projects

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave Klockeman

Phone Number:

970.962.2514

Email:

Dave.Klockeman@cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2016-2024

\*\*\*\*\*

## Total Project

### Cost:

# \$3,191,000

### About the Project

43rd St (Wilson to Cascade) - \$843,000

Crossroads Blvd (I-25 to Centerra Pkwy) - \$238,000

US 34/Sculptor Intersection - \$1,005,000

Sculptor Dr (US 34 to Mtn. Lion) - \$432,000

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

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



Note: Detailed project information available through Public Works Department Pro-

Funding Sources			
Revenue	General Fund	Streets CEF	Total
2016	\$30,000	\$ 220,000	\$ 250,000
2017	\$17,600	\$ 290,400	\$ 308,000
2018		\$ 380,000	\$ 380,000
2019		\$ 460,000	\$ 460,000
2020		\$ 474,000	\$ 474,000
2021		\$ 409,000	\$ 409,000
2022		\$ 360,000	\$ 360,000
2023		\$ 307,000	\$ 307,000
2024		\$ 243,000	\$ 243,000
2025			
<b>Total</b>	<b>\$47,600</b>	<b>\$3,143,400</b>	<b>\$3,191,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$ 250,000	\$ 250,000
2017		\$ 308,000	\$ 308,000
2018		\$ 380,000	\$ 380,000
2019		\$ 460,000	\$ 460,000
2020		\$ 474,000	\$ 474,000
2021		\$ 409,000	\$ 409,000
2022		\$ 360,000	\$ 360,000
2023		\$ 307,000	\$ 307,000
2024		\$ 243,000	\$ 243,000
2025			
<b>Total</b>		<b>\$3,191,000</b>	<b>\$3,191,000</b>

ject Engineering Division. All construction costs shown are engineering estimates until projects are bid.

# Transportation Program

Taft Avenue Phase 2 - Gard Place to Westshore

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave Klockeman

Phone Number:

970.962.2514

Email:

Dave.Klockeman@cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2016-2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$1,280,000**

## 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, medians 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 2024, 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. The next phase of construction, the Big Barnes Bridge replacement, is planned for 2016/2017.

Funding Sources			
Revenue	General Fund	Streets CEF	Total
2016	\$ 80,000	\$ 320,000	\$ 400,000
2017	\$ 40,000	\$ 160,000	\$ 200,000
2018	\$ 40,000	\$ 160,000	\$ 200,000
2019	\$ 40,000	\$ 160,000	\$ 200,000
2025	\$ 40,000	\$ 160,000	\$ 280,000
<b>Total</b>	<b>\$276,000</b>	<b>\$1,104,000</b>	<b>\$1,280,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$ 400,000	\$ 400,000
2017		\$ 200,000	\$ 200,000
2018		\$ 200,000	\$ 200,000
2019		\$ 200,000	\$ 200,000
2025		\$ 280,000	\$ 280,000
<b>Total</b>		<b>\$1,280,000</b>	<b>\$1,280,000</b>

**Note:** Detailed project information available through Public Works Department Project Engineering Division. All construction costs shown are engineering estimates until projects are bid.

# Transportation Program

Boise Avenue - Mt. Columbia to 37th

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave Klockeman

Phone Number:

970.962.2514

Email:

Dave.Klockeman@cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2025

\*\*\*\*\*

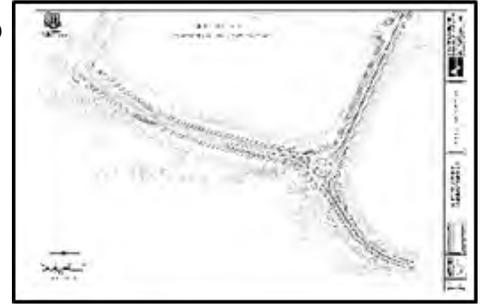
**Total Project**

**Cost:**

**\$500,000**

## About the Project

The Boise Avenue – Mt. Columbia to 37th Street project includes the completion of the extension of Boise Avenue north from Mt. Columbia to connect to LCR 11C in the SE corner of Horseshoe Lake, including the construction of a roundabout at the Boise Avenue / 37th Street Intersection. The remainder of the project will be constructed in additional phases as funding becomes available. The next phase of construction is planned for after 2025



Funding Sources			
Revenue	General Fund	Streets CEF	Total
2025	\$100,000	\$400,000	\$500,000
<b>Total</b>	<b>\$100,000</b>	<b>\$400,000</b>	<b>\$500,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2025	\$50,000	\$450,000	\$500,000
<b>Total</b>	<b>\$50,000</b>	<b>\$450,000</b>	<b>\$500,000</b>

**Note:** Detailed project information available through Public Works Department Project Engineering Division. All construction costs shown are engineering estimates until projects are bid.

# Transportation Program

## Madison Ave Improvements Silver Leaf - 29th St

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave Klockeman

Phone Number:

970.962.2514

Email:

Dave.Klockeman@  
cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2021-2024

\*\*\*\*\*

## Total Project

### Cost:

# \$2,140,000

### About the Project

The Madison Avenue – Silver Leaf to 29<sup>th</sup> Street - 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. The initial phase of construction is planned for 2023.

Funding Sources			
Revenue	General Fund	Streets CEF	Total
2021	-	\$ 70,000	\$ 70,000
2022	-	\$ 600,000	\$ 600,000
2023	-	\$ 660,000	\$ 660,000
2024	-	\$ 810,000	\$ 810,000
<b>Total</b>	<b>-</b>	<b>\$2,140,000</b>	<b>\$2,140,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2021	\$ 14,000	\$ 56,000	\$ 70,000
2022	\$120,000	\$ 480,000	\$ 600,000
2023	\$132,000	\$ 528,000	\$ 660,000
2024	\$162,000	\$ 648,000	\$ 810,000
<b>Total</b>	<b>\$428,000</b>	<b>\$1,712,000</b>	<b>\$2,140,000</b>

**Note:** Detailed project information available through Public Works Department Project Engineering Division. All construction costs shown are engineering estimates until projects are bid.

# Transportation Program

## 37th St - US 287 to Lincoln - Improvement Project

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave Klockeman

Phone Number:

970.962.2514

Email:

Dave.Klockeman@cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2016-2019

\*\*\*\*\*

### Total Project

### Cost:

## \$2,500,000

### About the Project

The 37<sup>th</sup> Street – US 287 to Lincoln - Improvement Project consists of the completion of 37<sup>th</sup> Street from just east of US 287 to Lincoln Avenue, including the crossing of Dry Creek. The roadway will consist of a 3 lane minor arterial cross section with bike lanes and sidewalks. The elements of the project are design, right-of-way acquisition, and construction. Portions of this area have been designed to a preliminary level. This project will also be coordinated with a Stormwater Capital Improvement Project for stabilization of the Dry Creek banks adjacent to the proposed roadway. The construction is planned for 2019.



Funding Sources			
Revenue	General Fund	Streets CEF	Total
2016		\$ 120,000	\$ 120,000
2017		\$ 300,000	\$ 300,000
2018		\$ 370,000	\$ 370,000
2019		\$1,710,000	\$1,710,000
<b>Total</b>		<b>\$2,500,000</b>	<b>\$2,500,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$ 12,000	\$ 108,000	\$ 120,000
2017	\$ 30,000	\$ 270,000	\$ 300,000
2018	\$ 37,000	\$ 333,000	\$ 370,000
2019	\$171,000	\$1,539,000	\$1,710,000
<b>Total</b>	<b>\$250,000</b>	<b>\$2,250,000</b>	<b>\$2,500,000</b>

**Note:** Detailed project information available through Public Works Department Project Engineering Division. All construction costs shown are engineering estimates until projects are bid.

# Transportation Program

Madison Ave Improvements -  
29th Street to 37th Street

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave Klockeman

Phone Number:

970.962.2514

Email:

Dave.Klockeman@  
cityofloveland.org

Project Category:

Construction

Project Number:

NA

Duration:

2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$800,000**

## About the Project

The Madison Avenue - 29<sup>th</sup> Street to 37<sup>th</sup> Street - Improvements Project consists of the widening of the existing 2 lane rural roadway section to a 3 lane minor arterial cross section with bike lanes and sidewalks. The elements of the project are design, right-of-way acquisition, and construction. It also includes the construction of the roundabout at the intersection of Madison and 37<sup>th</sup>. Portions of this area have been designed to a preliminary level. The initial phase of construction is planned for after 2025.



Funding Sources			
Revenue	General Fund	Streets CEF	Total
2025	\$400,000	\$400,000	<b>\$800,000</b>
<b>Total</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$800,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2025	\$80,000	\$720,000	<b>\$800,000</b>
<b>Total</b>	<b>\$80,000</b>	<b>\$720,000</b>	<b>\$800,000</b>

**Note:** Detailed project information available through Public Works Department Project Engineering Division. All construction costs shown are engineering estimates until projects are bid.

# Transportation Program

Byrd Drive - N of Crossroads Blvd to S of Earhart Dr

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave Klockeman

Phone Number:

970.962.2514

Email:

Dave.Klockeman@cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2016

\*\*\*\*\*

**Total Project**

**Cost:**

**\$500,000**

## About the Project

The Byrd Drive – North of Crossroads Boulevard to South of Earhart Drive – Improvement Project will consist of completing the roadway connection in this area and eliminating the I-25 West Frontage Road. The roadway will consist of a 3 lane minor arterial cross section with bike lanes and sidewalks. The elements of the project are final design and construction. This final design of this project is nearly complete. The construction is planned for 2016.



Funding Sources			
Revenue	General Fund	Streets CEF	Total
2016		\$500,000	\$500,000
<b>Total</b>		<b>\$500,000</b>	<b>\$500,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$50,000	\$450,000	\$500,000
<b>Total</b>	<b>\$50,000</b>	<b>\$450,000</b>	<b>\$500,000</b>

**Note:** Detailed project information available through Public Works Department Project Engineering Division. All construction costs shown are engineering estimates until projects are bid.

# Transportation Program

29th St & Beech Dr  
Intersection/Median Improve.

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave Klockeman

Phone Number:

970.962.2514

Email:

Dave.Klockeman@  
cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2016-2017

\*\*\*\*\*

**Total Project**

**Cost:**

**\$550,000**

## About the Project

The 29<sup>th</sup> Street and Beech Drive Intersection and Median Improvements Project includes improvements to the intersection of 29<sup>th</sup> and Beech to add a traffic signal, vertical grade adjustments, and to construct a median west of the intersection towards Taft Avenue to channelize pedestrians and bicyclists from making mid-block crossings. The project will improve safety for access to Loveland High School and the Benson Sculptor Park. Construction is planned for 2017.



Funding Sources			
Revenue	General Fund	Streets CEF	Total
2016	\$50,000	-	\$50,000
2017	\$500,000	-	\$500,000
<b>Total</b>	<b>\$550,000</b>	-	<b>\$550,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$5,000	\$45,000	\$50,000
2017	\$50,000	\$450,000	\$500,000
<b>Total</b>	<b>\$55,000</b>	<b>\$495,000</b>	<b>\$550,000</b>

**Note:** Detailed project information available through Public Works Department Project Engineering Division. All construction costs shown are engineering estimates until projects are bid.

# Transportation Program

Eisenhower Boulevard (US 34) Improvements - Denver Avenue to I-25

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Dave Klockeman

Phone Number:

970.962.2514

Email:

Dave.Klockeman@cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2017-2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$3,500,000**

## About the Project

The Eisenhower Boulevard (US 34) Improvements – Denver to Boyd Lake Avenue will be the initial phases of the needed widening of Eisenhower to 3 lanes in each direction through this area. The phases of the project are design, right-of-way acquisition, and construction. Portions of this area have been designed to a preliminary level, as well as the final design of a portion of the westbound lanes east of Denver. This project is intended to provide the necessary plan to complete the implementation of the widening through the entire project limits. The initial phase of construction is planned for 2018.



Funding Sources			
Revenue	General Fund	Streets CEF	Total
2017	\$80,000	\$320,000	<b>\$400,000</b>
2018	\$60,000	\$240,000	<b>\$300,000</b>
2019	\$40,000	\$160,000	<b>\$200,000</b>
2020	\$60,000	\$240,000	<b>\$300,000</b>
2021	\$60,000	\$240,000	<b>\$300,000</b>
2022	\$100,000	\$200,000	<b>\$300,000</b>
2023	\$100,000	\$400,000	<b>\$500,000</b>
2024	\$100,000	\$400,000	<b>\$500,000</b>
2025	\$100,000	\$400,000	<b>\$500,000</b>
<b>Total</b>	<b>\$700,000</b>	<b>\$2,800,000</b>	<b>\$3,500,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	\$80,000	\$320,000	<b>\$400,000</b>
2018	\$60,000	\$240,000	<b>\$300,000</b>
2019	\$40,000	\$160,000	<b>\$200,000</b>
2020	\$60,000	\$240,000	<b>\$300,000</b>
2021	\$60,000	\$240,000	<b>\$300,000</b>
2022	\$100,000	\$200,000	<b>\$300,000</b>
2023	\$100,000	\$400,000	<b>\$500,000</b>
2024	\$100,000	\$400,000	<b>\$500,000</b>
2025	\$100,000	\$400,000	<b>\$500,000</b>
<b>Total</b>	<b>\$700,000</b>	<b>\$2,800,000</b>	<b>\$3,500,000</b>

**Note:** Detailed project information available through Public Works Department Project Engineering Division. All construction costs shown are engineering estimates until projects are bid.

# Equipment Replacement

\*\*\*\*\*

Department:

Public Works

Division:

Street Maintenance

Project Manager:

Mick Mercer

Phone Number:

970.962.2530

Email:

Mick.Mercer@cityofloveland.org

Project Category:

Capital

Project Number:

NA

Duration:

2021-2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$1,128,000**

## About the Project

Funding to replace specialized road maintenance equipment – asphalt paver, pothole spray patcher, cold planer – that exceed \$250,000 in unit cost.



Funding Sources		
Revenue	General Fund	Total
2021	\$761,000	<b>\$761,000</b>
2025	\$367,000	<b>\$367,000</b>
<b>Total</b>	<b>\$1,128,000</b>	<b>\$1,128,000</b>

Project Cost Estimates by Year			
Elements	Planning	Equipment	Total
2021		\$761,000	<b>\$761,000</b>
2025	\$80,000	\$367,000	<b>\$367,000</b>
<b>Total</b>	<b>\$80,000</b>	<b>\$1,048,000</b>	<b>\$1,128,000</b>

# System Improvements

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3592

Email:

Briana.Reed-Harmel@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW 901-PW909 & PW913-PW913A

Duration:

2016-2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$36,060,675**

## 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	Plant Investment Fee	Total
2016	\$1,030,000		\$1,030,000
2017	\$1,008,010		\$1,008,010
2018	\$1,585,150		\$1,585,150
2019	\$3,557,490		\$3,557,490
2020	\$3,400,640		\$3,400,640
2021	\$3,542,265		\$3,542,265
2022	\$4,662,082		\$4,662,082
2023	\$5,939,741		\$5,939,741
2024	\$5,561,636		\$5,561,636
2025	\$5,773,661		\$5,773,661
<b>Total</b>	<b>\$36,060,675</b>		<b>\$36,060,675</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$51,500	\$978,500	\$1,030,000
2017	\$50,401	\$957,609	\$1,008,010
2018	\$79,258	\$1,505,892	\$1,585,150
2019	\$177,875	\$3,379,615	\$3,557,490
2020	\$170,032	\$3,230,608	\$3,400,640
2021	\$177,113	\$3,365,152	\$3,542,265
2022	\$233,104	\$4,428,978	\$4,662,082
2023	\$296,987	\$5,642,754	\$5,939,741
2024	\$278,082	\$5,283,554	\$5,561,636
2025	\$288,683	\$5,484,978	\$5,773,661
<b>Total</b>	<b>\$1,803,035</b>	<b>\$34,257,640</b>	<b>\$36,060,675</b>

# 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:

Planning / Construction

Project Number:

PW 912-various work orders

Duration:

2016-2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$20,125,110**

## 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	Plant Investment Fee	Total
2016	\$1,530,000		\$1,530,000
2017	\$1,589,930		\$1,589,930
2018	\$1,865,520		\$1,865,520
2019	\$1,929,300		\$1,929,300
2020	\$2,001,050		\$2,001,050
2021	\$2,077,330		\$2,077,330
2022	\$2,156,520		\$2,156,520
2023	\$2,238,730		\$2,238,730
2024	\$2,324,070		\$2,324,070
2025	\$2,412,660		\$2,412,660
<b>Total</b>	<b>\$20,125,110</b>		<b>\$20,125,110</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$1,453,500	\$76,500	\$1,530,000
2017	\$1,510,434	\$79,496	\$1,589,930
2018	\$1,772,244	\$93,276	\$1,865,520
2019	\$1,832,835	\$96,465	\$1,929,300
2020	\$1,900,998	\$100,052	\$2,001,050
2021	\$1,973,464	\$103,866	\$2,077,330
2022	\$2,048,694	\$107,826	\$2,156,520
2023	\$2,126,794	\$111,936	\$2,238,730
2024	\$2,207,867	\$116,203	\$2,324,070
2025	\$2,292,027	\$120,633	\$2,412,660
<b>Total</b>	<b>\$19,118,857</b>	<b>\$1,006,253</b>	<b>\$20,125,110</b>

# Miscellaneous Feeder Extensions

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW 913A & PW921A

Duration:

2016-2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$4,489,620**

## 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	Plant Investment Fee	Total
2016	\$150,000	\$150,000	<b>\$300,000</b>
2017	\$155,870	\$155,880	<b>\$311,750</b>
2018	\$215,660	\$161,750	<b>\$377,410</b>
2019	\$278,800	\$167,280	<b>\$446,080</b>
2020	\$289,160	\$173,500	<b>\$462,660</b>
2021	\$300,190	\$180,120	<b>\$480,310</b>
2022	\$311,630	\$186,980	<b>\$498,610</b>
2023	\$323,510	\$194,110	<b>\$517,620</b>
2024	\$335,840	\$201,510	<b>\$537,350</b>
2025	\$348,640	\$209,190	<b>\$557,830</b>
<b>Total</b>	<b>\$2,709,300</b>	<b>\$1,780,320</b>	<b>\$4,489,620</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$15,000	\$285,000	<b>\$300,000</b>
2017	\$15,588	\$296,162	<b>\$311,750</b>
2018	\$18,871	\$358,539	<b>\$377,410</b>
2019	\$22,304	\$423,776	<b>\$446,080</b>
2020	\$23,133	\$439,527	<b>\$462,660</b>
2021	\$24,016	\$456,294	<b>\$480,310</b>
2022	\$24,931	\$473,679	<b>\$498,610</b>
2023	\$25,881	\$491,739	<b>\$517,620</b>
2024	\$26,868	\$510,482	<b>\$537,350</b>
2025	\$27,892	\$529,938	<b>\$557,830</b>
<b>Total</b>	<b>\$224,484</b>	<b>\$4,265,136</b>	<b>\$4,489,620</b>

# 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:  
Planning / Construction

Project Number:  
PW913-various work orders

Duration:  
2016-2025

\*\*\*\*\*

**Total Project  
Cost:  
\$1,483,600**

## 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	Plant Investment Fee	Total
2016	\$125,000		\$125,000
2017	\$129,900		\$129,900
2018	\$134,790		\$134,790
2019	\$139,400		\$139,400
2020	\$144,580		\$144,580
2021	\$150,100		\$150,100
2022	\$155,820		\$155,820
2023	\$161,760		\$161,760
2024	\$167,920		\$167,920
2025	\$174,330		\$174,330
<b>Total</b>	<b>\$1,483,600</b>		<b>\$1,483,600</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$6,250	\$118,750	\$125,000
2017	\$6,500	\$123,400	\$129,900
2018	\$6,740	\$128,050	\$134,790
2019	\$6,970	\$132,430	\$139,400
2020	\$7,230	\$137,350	\$144,580
2021	\$7,500	\$142,600	\$150,100
2022	\$7,790	\$148,030	\$155,820
2023	\$8,090	\$153,670	\$161,760
2024	\$8,400	\$159,520	\$167,920
2025	\$8,720	\$165,610	\$174,330
<b>Total</b>	<b>\$74,190</b>	<b>\$1,409,410</b>	<b>\$1,483,600</b>

# Miscellaneous Electric Road Related Projects

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3661

Email:

Kathleen.Porter@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW913

Duration:

2016-2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$2,499,570**

## About the Project

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



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2016	\$100,000		\$100,000
2017	\$103,920		\$103,920
2018	\$107,830		\$107,830
2019	\$278,800		\$278,800
2020	\$289,170		\$289,170
2021	\$300,190		\$300,190
2022	\$311,640		\$311,640
2023	\$323,520		\$323,520
2024	\$335,850		\$335,850
2025	\$348,650		\$348,650
<b>Total</b>	<b>\$2,499,570</b>		<b>\$2,499,570</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$95,000	\$5,000	\$100,000
2017	\$98,724	\$5,196	\$103,920
2018	\$102,439	\$5,391	\$107,830
2019	\$264,860	\$13,940	\$278,800
2020	\$274,712	\$14,458	\$289,170
2021	\$285,181	\$15,009	\$300,190
2022	\$296,058	\$15,582	\$311,640
2023	\$307,344	\$16,176	\$323,520
2024	\$319,058	\$16,792	\$335,850
2025	\$331,218	\$17,432	\$348,650
<b>Total</b>	<b>\$2,374,594</b>	<b>\$124,976</b>	<b>\$2,499,570</b>

# Re-conductor 921 on Taft Ave from RR to Eisenhower

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3661

Email:

Kathleen.Porter@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW913

Duration:

2023

\*\*\*\*\*

**Total Project**

**Cost:**

**\$608,530**

## About the Project

This project will re-conductor cable that is undersized and beyond useful life to accommodate increased usage between Eisenhower and the Arkins Railroad along Taft Ave.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2023	\$608,530		<b>\$608,530</b>
<b>Total</b>	<b>\$608,530</b>		<b>\$608,530</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2023	\$608,530		<b>\$608,530</b>
<b>Total</b>	<b>\$608,530</b>		<b>\$608,530</b>

# Install 600 Amp tie from Cascade W. along Hwy 34

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3661

Email:

Kathleen.Porter@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW913

Duration:

2016

\*\*\*\*\*

**Total Project**

**Cost:**

**\$408,750**

## About the Project

This project will complete a loop for the 600 Amp system between Cascade and Rossum along Highway 34. This project will improve resiliency and redundancy to the system.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2016	\$408,750		<b>\$408,750</b>
<b>Total</b>	<b>\$408,750</b>		<b>\$408,750</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$408,750		<b>\$408,750</b>
<b>Total</b>	<b>\$408,750</b>		<b>\$408,750</b>

# Substations Projects

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3692

Email:

Briana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW911

Duration:

2018-2022

\*\*\*\*\*

## Total Project

### Cost:

# \$2,898,767

## About the Project

These projects will replace the fencing around the City owned substations. The intent is to increase the security of the substations and enhance the look of the substations.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2018	\$539,170		\$539,170
2019	\$557,600		\$557,600
2020	\$578,340		\$578,340
2021	\$600,385		\$600,385
2022	\$623,272		\$623,272
<b>Total</b>	<b>\$2,898,767</b>		<b>\$2,898,767</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2018		\$539,170	\$539,170
2019		\$557,600	\$557,600
2020		\$578,340	\$578,340
2021		\$600,385	\$600,385
2022		\$623,272	\$623,272
<b>Total</b>		<b>\$2,898,767</b>	<b>\$2,898,767</b>

**Transmission to service  
new Substation in SE  
corner of service  
territory**

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3592

Email:

Briana.Reed-Harmel@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW911

Duration:

2022

\*\*\*\*\*

**Total Project**

**Cost:**

**\$10,156,790**

**About the Project**

This project will extended the transmission line to a future substation to be location in the south east portion of the Growth Management Area (GMA) to accommodate the future growth in this portion of the City of Loveland.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2022	\$10,156,790		<b>\$10,156,790</b>
<b>Total</b>	<b>\$10,156,790</b>		<b>\$10,156,790</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2022		\$10,156,790	<b>\$10,156,790</b>
<b>Total</b>		<b>\$10,156,790</b>	<b>\$10,156,790</b>

# Phase 2 Canyon Voltage Conversion

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3592

Email:

Briana.Reed-Harmel@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW913

Duration:

2016

\*\*\*\*\*

## Total Project

### Cost:

# \$754,250

## 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. This section runs from Glade Road to the WTP



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2016	\$754,250	\$0	\$754,250
<b>Total</b>	<b>\$754,250</b>	<b>\$0</b>	<b>\$754,250</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$754,250	\$754,250
<b>Total</b>		<b>\$754,250</b>	<b>\$754,250</b>

# Phase 3 Canyon Voltage Conversion

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3592

Email:

Briana.Reed-Harmel@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW913

Duration:

2016-2017

\*\*\*\*\*

## Total Project

### Cost:

# \$777,420

## 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. This section runs from the WTP to Idlewilde Park.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2016	\$50,000		<b>\$50,000</b>
2017	\$727,420		<b>\$727,420</b>
<b>Total</b>	<b>\$777,420</b>		<b>\$777,420</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$50,000	\$0	<b>\$50,000</b>
2017	\$0	\$727,420	<b>\$727,420</b>
<b>Total</b>	<b>\$50,000</b>	<b>\$727,420</b>	<b>\$777,420</b>

# Phase 4 Canyon Voltage Conversion

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3592

Email:

Briana.Reed-Harmel@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW913

Duration:

2017-2018

\*\*\*\*\*

## Total Project

### Cost:

# \$806,800

## 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. This section runs from Idlewilde Park to Waltonia Road.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2017	\$51,960		\$51,960
2018	\$754,840		\$754,840
<b>Total</b>	<b>\$806,800</b>		<b>\$806,800</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	\$51,960		\$51,960
2018		\$754,840	\$754,840
<b>Total</b>	<b>\$51,960</b>	<b>\$754,840</b>	<b>\$806,800</b>

# Overhead to Underground Conversion Project #1

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3592

Email:

Briana.Reed-Harmel@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW914

Duration:

2016-2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$9,306,080**

## About the Project

These projects are at various locations around the City where there is existing overhead infrastructure which will be converted to underground infrastructure.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2016	\$1,305,660		\$1,305,660
2017	\$1,267,780		\$1,267,780
2018	\$647,000		\$647,000
2019	\$1,762,020		\$1,762,020
2020	\$1,075,710		\$1,075,710
2021	\$1,398,900		\$1,398,900
2022	\$62,330		\$62,330
2023	\$1,229,360		\$1,229,360
2024	\$13,430		\$13,430
2025	\$543,890		\$543,890
<b>Total</b>	<b>\$9,306,080</b>		<b>\$9,306,080</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$0	\$1,305,660	\$1,305,660
2017	\$20,780	\$1,247,000	\$1,267,780
2018	\$64,690	\$582,310	\$647,000
2019	\$44,610	\$1,717,410	\$1,762,020
2020	\$80,970	\$994,740	\$1,075,710
2021	\$0	\$1,398,900	\$1,398,900
2022	\$62,330	\$0	\$62,330
2023	\$0	\$1,229,360	\$1,229,360
2024	\$13,430	\$0	\$13,430
2025	\$0	\$543,890	\$543,890
<b>Total</b>	<b>\$286,810</b>	<b>\$9,019,270</b>	<b>\$9,306,080</b>

# Overhead to Underground Conversion Project #2

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3592

Email:

Briana.Reed-Harmel@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW914

Duration:

2016

\*\*\*\*\*

**Total Project**

**Cost:**

**\$1,400,000**

## About the Project

This project is along RR track N of 10<sup>th</sup> between RR Ave & Madison Ave. where there is existing overhead infrastructure which will be converted to underground infrastructure.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2016	\$1,400,000		<b>\$1,400,000</b>
<b>Total</b>	<b>\$1,400,000</b>		<b>\$1,400,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$1,400,000	<b>\$1,400,000</b>
<b>Total</b>		<b>\$1,400,000</b>	<b>\$1,400,000</b>

**Overhead to  
Underground  
Conversion  
Downtown Catalyst**

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3592

Email:

Briana.Reed-Harmel@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW914

Duration:

2016-2017

\*\*\*\*\*

**Total Project**

**Cost:**

**\$2,439,170**

**About the Project**

This project is Downtown Catalyst where there is existing overhead infrastructure which will be converted to underground infrastructure.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2016	\$1,400,000		<b>\$1,400,000</b>
2017	\$1,039,170		<b>\$1,039,170</b>
<b>Total</b>	<b>\$2,439,170</b>		<b>\$2,439,170</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$1,400,000	<b>\$1,400,000</b>
2017		\$1,039,170	<b>\$1,039,170</b>
<b>Total</b>		<b>\$2,439,170</b>	<b>\$2,439,170</b>

# Streetlight Projects

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW915

Duration:

2016-2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$4,154,050**

## About the Project

These projects include converting our streetlights to LEDs, individual customer requests for street lights which are approved by the Power Utility or new arterial or major collector streets required by new development.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2016	\$350,000		\$350,000
2017	\$363,700		\$363,700
2018	\$377,420		\$377,420
2019	\$390,320		\$390,320
2020	\$404,840		\$404,840
2021	\$420,260		\$420,260
2022	\$436,290		\$436,290
2023	\$452,920		\$452,920
2024	\$470,190		\$470,190
2025	\$488,110		\$488,110
<b>Total</b>	<b>\$4,154,050</b>		<b>\$4,154,050</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$17,500	\$332,500	\$350,000
2017	\$18,190	\$345,510	\$363,700
2018	\$18,870	\$358,550	\$377,420
2019	\$19,520	\$370,800	\$390,320
2020	\$20,240	\$384,600	\$404,840
2021	\$21,010	\$399,250	\$420,260
2022	\$21,810	\$414,480	\$436,290
2023	\$22,650	\$430,270	\$452,920
2024	\$23,510	\$446,680	\$470,190
2025	\$24,410	\$463,700	\$488,110
<b>Total</b>	<b>\$207,710</b>	<b>\$3,946,340</b>	<b>\$4,154,050</b>

# Transfer load from 1012 to 621, install 750AL Crossroads to Fairgrounds

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2016

\*\*\*\*\*

**Total Project**

**Cost:**

**\$950,000**

## About the Project

This new feeder extension is along CR30 between Boyd Lake Ave and Fairgrounds. This project transfers loads between substations to accommodate growth.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2016		\$950,000	<b>\$950,000</b>
<b>Total</b>		<b>\$950,000</b>	<b>\$950,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$950,000	<b>\$950,000</b>
<b>Total</b>		<b>\$950,000</b>	<b>\$950,000</b>

# Install new 750 AL Crossroads Sub North to CR30 then East to I-25

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2016

\*\*\*\*\*

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

## About the Project

This new feeder extension is from Crossroads Substation going North to CR30 then East to I-25. This project transfers loads between substations to accommodate growth.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2016		\$1,000,000	\$1,000,000
<b>Total</b>		<b>\$1,000,000</b>	<b>\$1,000,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$50,000	\$950,000	\$1,000,000
<b>Total</b>	<b>\$50,000</b>	<b>\$950,000</b>	<b>\$1,000,000</b>

# Install new conduit bank and 750 AL from Garfield to CR11

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2023

\*\*\*\*\*

**Total Project Cost:  
\$1,035,250**

## About the Project

This new feeder extension is between Crossroads Substation and Horseshoe Substation to accommodate load growth in the north portion of the City.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2023	\$0	\$1,035,250	<b>\$1,035,250</b>
<b>Total</b>	<b>\$0</b>	<b>\$1,035,250</b>	<b>\$1,035,250</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2023		\$1,035,250	<b>\$1,035,250</b>
<b>Total</b>		<b>\$1,035,250</b>	<b>\$1,035,250</b>

# Install 750 AL from 57<sup>th</sup> & Taft to vault V1780

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2022-2023

\*\*\*\*\*

**Total Project  
Cost:  
\$968,170**

## About the Project

This new feeder extension is to increase reliability to complete a feeder loop.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2022		\$62,330	<b>\$62,330</b>
2023		\$905,840	<b>\$905,840</b>
<b>Total</b>		<b>\$968,170</b>	<b>\$968,170</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2022	\$62,330		<b>\$62,330</b>
2023		\$905,840	<b>905,840</b>
<b>Total</b>	<b>\$62,330</b>	<b>\$905,840</b>	<b>\$968,170</b>

# Install 750 AL from Breaker 211 W out of East Sub to Madison

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2019-2020

\*\*\*\*\*

**Total Project  
Cost:  
\$576,260**

## About the Project

This is a feeder extension to increase reliability and transfer load between substations due to growth.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2019		\$55,760	<b>\$55,760</b>
2020		\$520,500	<b>\$520,500</b>
<b>Total</b>		<b>\$576,260</b>	<b>\$576,260</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2019	\$55,760		<b>\$55,760</b>
2020		\$520,500	<b>\$520,500</b>
<b>Total</b>	<b>\$55,760</b>	<b>\$520,500</b>	<b>\$576,260</b>

**Install bank from  
SW232, tie to V2700,  
Install 750 AL on 1<sup>st</sup>  
West to Rossum**

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2020-2021

\*\*\*\*\*

**Total Project  
Cost:  
\$394,930**

**About the Project**

This is a new feeder segment to increase reliability to complete a feeder loop.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2020		\$34,700	<b>\$34,700</b>
2021		\$360,230	<b>\$360,230</b>
<b>Total</b>		<b>\$394,930</b>	<b>\$394,930</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2020	\$34,700		<b>\$34,700</b>
2021		\$360,230	<b>\$360,230</b>
<b>Total</b>	<b>\$34,700</b>	<b>\$360,230</b>	<b>\$394,930</b>

# Extend New Feeders from Valley V3 into System

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2019-2020

\*\*\*\*\*

**Total Project Cost:**  
**\$1,675,110**

## About the Project

These new feeders will begin at Valley Substation and will extend into the system to accommodate growth in the SE portion of Loveland and South of downtown.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2019		\$55,760	<b>\$55,760</b>
2020		\$1,619,350	<b>\$1,619,350</b>
<b>Total</b>		<b>\$1,675,110</b>	<b>\$1,675,110</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2019	\$55,760		<b>\$55,760</b>
2020		\$1,619,350	<b>\$1,619,350</b>
<b>Total</b>	<b>\$55,760</b>	<b>\$1,619,350</b>	<b>\$1,675,110</b>

# Extend New Feeders from new 29<sup>th</sup> St Substation into system

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2017-2018

\*\*\*\*\*

**Total Project Cost:**  
**\$1,638,280**

## About the Project

These new feeders will begin at the new substation being built as part of the FEMA Alternate project and will extend into the system to accommodate growth in the west portion of Loveland and transfer load from the West Substation.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2017		\$20,780	<b>\$20,780</b>
2018		\$1,617,500	<b>\$1,617,500</b>
<b>Total</b>		<b>\$1,638,280</b>	<b>\$1,638,280</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	\$20,780		<b>\$20,780</b>
2018		\$1,617,500	<b>\$1,617,500</b>
<b>Total</b>	<b>\$20,780</b>	<b>\$1,617,500</b>	<b>\$1,638,280</b>

**Extend Feeders from  
new Substation in SE  
corner of service  
territory into system**

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2021-2022

\*\*\*\*\*

**Total Project  
Cost:  
\$2,491,710**

**About the Project**

These new feeders will begin at the New SE Substation and will extend into the system to accommodate growth in the far SE portion of Loveland near CR60.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2021		\$36,020	<b>\$36,020</b>
2022		\$2,455,690	<b>\$2,455,690</b>
<b>Total</b>		<b>\$2,491,710</b>	<b>\$2,491,710</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2021	\$36,020		<b>\$36,020</b>
2022		\$2,455,690	<b>\$2,455,690</b>
<b>Total</b>	<b>\$36,020</b>	<b>\$2,455,690</b>	<b>\$2,491,710</b>

# Extend Feeders from Boedecker Substation into system

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2025

\*\*\*\*\*

**Total Project Cost:**  
**\$27,890**

## About the Project

These new feeders will begin at the New SW Substation near Boedecker Lake and will extend into the system to accommodate growth in the far SW portion of the City.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2025		\$27,890	\$27,890
<b>Total</b>		<b>\$27,890</b>	<b>\$27,890</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2025	\$27,890		\$27,890
<b>Total</b>	<b>\$27,890</b>		<b>\$27,890</b>

**Install new bank & 750  
AL on Madison East on  
37<sup>th</sup> to CR11C, North  
to CR30**

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2023-2024

\*\*\*\*\*

**Total Project  
Cost:  
\$1,072,240**

**About the Project**

This new feeder will improve system reliability and accommodate growth along CR30.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2023		\$64,700	<b>\$64,700</b>
2024		\$1,007,540	<b>\$1,007,540</b>
<b>Total</b>		<b>\$1,072,240</b>	<b>\$1,072,240</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2023	\$64,700		<b>\$64,700</b>
2024		\$1,007,540	<b>\$1,007,540</b>
<b>Total</b>	<b>\$64,700</b>	<b>\$1,007,540</b>	<b>\$1,072,240</b>

# Extend new feeders from Crossroads C2

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2016

\*\*\*\*\*

**Total Project Cost:**  
**\$700,000**

## About the Project

These new feeders will begin at Crossroads Substation and will extend into the system to accommodate growth in the NE portion of Loveland.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2016		\$700,000	<b>\$700,000</b>
<b>Total</b>		<b>\$700,000</b>	<b>\$700,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$700,000	<b>\$700,000</b>
<b>Total</b>		<b>\$700,000</b>	<b>\$700,000</b>

# Install new Feeder along CR11 from 57<sup>th</sup> to CR30

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2020-2021

\*\*\*\*\*

**Total Project  
Cost:  
\$959,730**

## About the Project

This new feeder will improve system reliability and accommodate growth along CR30 by tying together Crossroads Substation and Horseshoe Substation.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2020		\$23,130	<b>\$23,130</b>
2021		\$936,600	<b>\$936,600</b>
<b>Total</b>		<b>\$959,730</b>	<b>\$959,730</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2020	\$23,130		<b>\$23,130</b>
2021		\$936,600	<b>\$936,600</b>
<b>Total</b>	<b>\$23,130</b>	<b>\$936,600</b>	<b>\$959,730</b>

# Extend new feeders along CR11 from Boyd Lake Ave to CR30

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Kathleen Porter

Phone Number:

970.962.3561

Email:

Kathleen.Porter@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2017-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$1,615,550**

## About the Project

These new feeders will begin at Crossroads Substation and will extend into the system to accommodate growth in the NE portion of Loveland.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2017		\$51,960	<b>\$51,960</b>
2018		\$1,563,590	<b>\$1,563,590</b>
<b>Total</b>		<b>\$1,615,550</b>	<b>\$1,615,550</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	\$51,960		<b>\$51,960</b>
2018		\$1,563,590	<b>\$1,563,590</b>
<b>Total</b>	<b>\$51,960</b>	<b>\$1,563,590</b>	<b>\$1,615,550</b>

# New Substation – SW Corner of City Near Boedecker Lake

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3592

Email:

Briana.Reed-Harmel@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW920 & PW921

Duration:

2023

\*\*\*\*\*

**Total Project**

**Cost:**

**\$5,402,950**

## About the Project

This project is for the installation of one of two new substations to replace the West Substation to better accommodate load growth in the SW portion of the service territory.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2023		\$5,402,950	\$5,402,950
<b>Total</b>		<b>\$5,402,950</b>	<b>\$5,402,950</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2023	\$270,150	\$5,132,800	\$5,402,950
<b>Total</b>	<b>\$270,140</b>	<b>\$5,132,810</b>	<b>\$5,402,950</b>

# Valley Substation Purchase & Install New Transformer & Switchgear Lineup - V3

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3592

Email:

Briana.Reed-Harmel@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW920 & PW921

Duration:

2018-2019

\*\*\*\*\*

**Total Project**

**Cost:**

**\$2,444,690**

## About the Project

This project is for the purchase and installation of a new transformer and switchgear at Valley Substation. Once those are installed we will then extend the feeder from the substation into the system.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2018		\$1,887,090	<b>\$1,887,090</b>
2019		\$557,600	<b>\$557,600</b>
<b>Total</b>		<b>\$2,444,690</b>	<b>\$2,444,690</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2018	\$94,350	\$1,792,740	<b>\$1,887,090</b>
2019		\$557,600	<b>\$557,600</b>
<b>Total</b>	<b>\$94,350</b>	<b>\$2,350,340</b>	<b>\$2,444,690</b>

# East Substation Purchase and Install New Transformer to replace – E1

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3592

Email:

Briana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW911

Duration:

2020

\*\*\*\*\*

**Total Project  
Cost:  
\$1,156,680**

## About the Project

This project is for the purchase and installation of a new transformer to replace E1 for East Substation.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2020	\$1,156,680		<b>\$1,156,680</b>
<b>Total</b>	<b>\$1,156,680</b>		<b>\$1,156,680</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2020	\$57,830	\$1,098,850	<b>\$1,156,680</b>
<b>Total</b>	<b>\$57,830</b>	<b>\$1,098,850</b>	<b>\$1,156,680</b>

# East Substation Purchase and Install New switchgear Lineup – E3

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3592

Email:

Briana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW20

Duration:

2017-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$1,318,550**

## About the Project

This project is for the purchase and installation of a new switchgear lineup for East Substation. The current switchgear lineup has old equipment that is no longer supported by the manufacturer.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2017		\$779,380	<b>\$779,380</b>
2018		\$539,170	<b>\$539,170</b>
<b>Total</b>		<b>\$1,318,550</b>	<b>\$1,318,550</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	\$38,970	\$740,410	<b>\$779,380</b>
2018		\$539,170	<b>\$539,170</b>
<b>Total</b>	<b>\$38,970</b>	<b>\$1,279,580</b>	<b>\$1,318,550</b>

# New Substation in SE corner of service territory

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3592

Email:

Briana.Reed-Harmel@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW920 & PW921

Duration:

2019

\*\*\*\*\*

**Total Project Cost:**  
**\$4,653,350**

## About the Project

This project is for the installation of a new substation in the SE corner of the service territory to accommodate load growth expected near I-25 and Hwy 402.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2019		\$4,653,350	\$4,653,350
<b>Total</b>		<b>\$4,653,350</b>	<b>\$4,653,350</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2019	\$232,670	\$4,420,680	\$4,653,350
<b>Total</b>	<b>\$232,670</b>	<b>\$4,420,680</b>	<b>\$4,653,350</b>

# Purchase New Substation Land

\*\*\*\*\*

Department:  
Water & Power

Division:  
Power

Project Manager:  
Briana Reed-Harmel

Phone Number:  
970.962.3592

Email:  
Briana.Reed-Harmel@cityofloveland.org

Project Category:  
Planning / Construction

Project Number:  
PW920 & PW921

Duration:  
2016

\*\*\*\*\*

**Total Project  
Cost:  
\$1,700,000**

## About the Project

This project is to purchase land for new substations.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2016		\$1,700,000	<b>\$1,700,000</b>
<b>Total</b>		<b>\$1,700,000</b>	<b>\$1,700,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$1,700,000	<b>\$1,700,000</b>
<b>Total</b>		<b>\$1,700,000</b>	<b>\$1,700,000</b>

# Addition of Heated vehicle storage – S side of Warehouse

\*\*\*\*\*

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:

2016

\*\*\*\*\*

**Total Project**

**Cost:**

**\$380,000**

## About the Project

This project will upgrade and extend the heated vehicle storage area on the south side of the Warehouse that houses the electric line equipment trucks and trailers.



Funding Sources			
Revenue	Power Fund	Plant Investment Fee	Total
2016	\$380,000		<b>\$380,000</b>
<b>Total</b>	<b>\$380,000</b>		<b>\$380,000</b>

Project Cost Estimates by Year			
Elements	Planning	Equipment	Total
2016		\$380,000	<b>\$380,000</b>
<b>Total</b>		<b>\$380,000</b>	<b>\$380,000</b>

# Windy Gap Firming Project

\*\*\*\*\*

Department:

Water & Power

Division:

Raw Water

Project Manager:

Larry Howard

Phone Number:

970.962.3703

Email:

Larry.Howard@  
cityofloveland.org

Project Category:

Planning

Project Number:

W038AA

Duration:

2016-2018

\*\*\*\*\*

**Total Project**

**Cost:**

**\$35,453,840**

## 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.



Funding Sources			
Revenue	Raw Water Fund	Water System Impact Fee	Total
2016	\$2,406,660		\$2,406,660
2017			
2018	\$33,047,180		\$33,047,180
<b>Total</b>	<b>\$35,453,840</b>		<b>\$35,453,840</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$2,406,660		\$2,406,660
2017			
2018	\$33,047,180		\$33,047,180
<b>Total</b>	<b>\$35,453,840</b>		<b>\$35,453,840</b>

# Colorado Big Thompson Water

\*\*\*\*\*

Department:  
Water & Power

Division:  
Raw Water

Project Manager:  
Greg Dewey

Phone Number:  
970.962.3717

Email:  
Greg.Dewey@  
cityofloveland.org

Project Category:  
Planning

Project Number:  
W1014A

Duration:  
2016-2025

\*\*\*\*\*

**Total Project  
Cost:  
\$6,079,570**

## About the Project

Colorado Big Thompson (CBT) Water Purchases are one of the identified ways in the City's Raw Water Master Plan to acquire additional water for the city. The city was successful in late 2011 and early 2012 in purchasing a relatively large amount of CBT at a reasonable price. This project is to plan for funds to allow flexibility and responsiveness to consider and execute purchases of CBT water should desirable opportunities occur.



Funding Sources			
Revenue	Raw Water Fund	Water System Impact Fee	Total
2016	\$214,160		<b>\$214,160</b>
2017	\$562,230		<b>\$562,230</b>
2018	\$450,970		<b>\$450,970</b>
2019	\$580,560		<b>\$580,560</b>
2020	\$612,890		<b>\$612,890</b>
2021	\$649,470		<b>\$649,470</b>
2022	\$688,230		<b>\$688,230</b>
2023	\$729,300		<b>\$729,300</b>
2024	\$772,820		<b>\$772,820</b>
2025	\$818,940		<b>\$818,940</b>
<b>Total</b>	<b>\$6,079,570</b>		<b>\$6,079,570</b>

Project Cost Estimates by Year			
Elements	Planning	Acquisition	Total
2016		\$214,160	<b>\$214,160</b>
2017		\$562,230	<b>\$562,230</b>
2018		\$450,970	<b>\$450,970</b>
2019		\$580,560	<b>\$580,560</b>
2020		\$612,890	<b>\$612,890</b>
2021		\$649,470	<b>\$649,470</b>
2022		\$688,230	<b>\$688,230</b>
2023		\$729,300	<b>\$729,300</b>
2024		\$772,820	<b>\$772,820</b>
2025		\$818,940	<b>\$818,940</b>
<b>Total</b>		<b>\$6,079,570</b>	<b>\$6,079,570</b>

# Future Water Court Transfer Actions

\*\*\*\*\*

Department:  
Water & Power

Division:  
Raw Water

Project Manager:  
Larry Howard

Phone Number:  
970.962.3703

Email:  
Larry.Howard@  
cityofloveland.org

Project Category:  
Planning

Project Number:  
NA

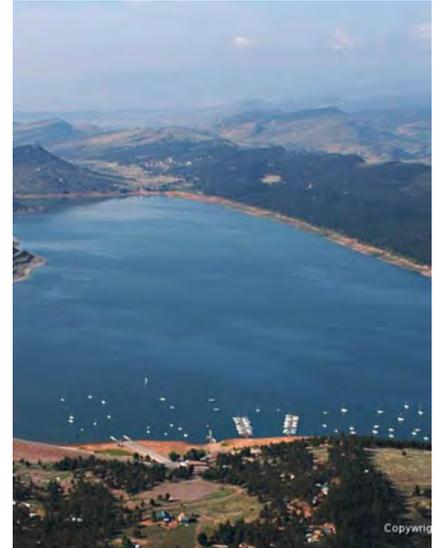
Duration:  
2017

\*\*\*\*\*

**Total Project  
Cost:  
\$112,450**

## About the Project

This project anticipates the City will file decrees over time in the Water Court to add native water accumulated through the development process to the City's major transfer decree in case number 2002CW392, thus making the water useful for municipal purposes. It is efficient to accumulate sufficient water before filing to spread the cost over a larger number of acre-feet of water, so the intervals between filing new cases depends on the pace of acquisition of water rights.



Funding Sources			
Revenue	Raw Water Fund	Water System Impact Fee	Total
2017	\$112,450		<b>\$112,450</b>
<b>Total</b>	<b>\$112,450</b>		<b>\$112,450</b>

Project Cost Estimates by Year			
Elements	Planning	Acquisition	Total
2017	\$112,450		<b>\$112,450</b>
<b>Total</b>	<b>\$112,450</b>		<b>\$112,450</b>

# New Laboratory Building

\*\*\*\*\*

Department:

Water & Power

Division:

Wastewater

Project Manager:

Brian Gandy

Phone Number:

970.962.3760

Email:

Brian.Gandy@cityofloveland.org

Project Category:

Engineering / Construction

Project Number:

N/A

Duration:

2017-2018

\*\*\*\*\*

**Total Project Cost:**  
**\$5,527,680**

## About the Project

**Description:** This project consists of a new water quality lab building for water and wastewater regulatory and non-regulatory laboratory analysis. The Atomic Absorption (AA) is 8+ years old and would need to be replaced and updated, as part of a new WQ Lab.



**Purpose/Need:** Primary reasons for the need for a new lab include; safety issues with lack of egress in areas with explosive gases, lack of adequate space to perform analysis, inability to separate areas that need to be utilized for sterile analyses, incubators and ovens with lack of adequate ventilation causing health issues, corrosive environment with lack of adequate ventilation which creates safety issues. Corrosion issues also lessen the lifespan of instrumentation including; AA instrument used for metals analysis, Hach spectrophotometers, balances, incubators, ovens etc. This would allow the WQ Lab to meet stricter mandatory standards and perform additional metals analysis, in-house with less staff time.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2017	\$314,848	\$78,712	\$393,560
2018	\$4,107,296	\$1,026,824	\$5,134,120
<b>Total</b>	<b>\$4,422,144</b>	<b>\$1,105,536</b>	<b>\$5,527,680</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2017	\$393,560	\$0	\$393,560
2018	\$413,090	\$4,721,030	\$5,134,120
<b>Total</b>	<b>\$806,650</b>	<b>\$4,721,030</b>	<b>\$5,527,680</b>

# WWTP Digester System Improvement Projects

\*\*\*\*\*

Department:

Water & Power

Division:

Wastewater

Project Manager:

Tom Greene

Phone Number:

970.962.3706

Email:

Tom.Greene@cityofloveland.org

Project Category:

Engineering / Construction

Project Number:

W1251G,W1402H,W1404H,W1306G

Duration:

2012-2016

\*\*\*\*\*

**Total Project Cost:  
\$14,537,833**

## About the Project

**Description:** This project includes a complete renovation of the existing anaerobic digester complex. The improvements will include the following:



### Replace

- Gas mixing system with a pumped mixing system
- Sludge heating system
- Control Building electrical, digester gas, and HVAC systems

### Rehabilitate

- Floating steel covers

### Modify

- Waste gas flare

### Expand

- Control building to accommodate new equipment

**Purpose/Need:** Most of the existing equipment is at the end of its useful life and some of the equipment is not functioning. The floating covers have excessive corrosion and need to be re-coated, and the electrical and ventilation systems are not in compliance with current NFPA standards.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
Prior Years	\$4,473,159	\$787,874	\$5,261,033
2016	\$7,885,297	\$1,391,523	\$9,276,820
<b>Total</b>	<b>\$12,358,456</b>	<b>\$2,179,397</b>	<b>\$14,537,853</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
Prior Years	\$1,496,733	\$3,764,280	\$5,261,013
2016	\$843,350	\$8,433,470	\$9,276,820
<b>Total</b>	<b>\$2,340,083</b>	<b>\$12,197,750</b>	<b>\$14,537,833</b>

# WWTP Primary Clarifier #3 Tricking Filter Demolition

\*\*\*\*\*

Department:

Water & Power

Division:

Wastewater

Project Manager:

Brian Gandy

Phone Number:

970.962.3760

Email:

Brian.Gandy@cityofloveland.org

Project Category:

Engineering / Construction

Project Number:

NA

Duration:

2023-2024

\*\*\*\*\*

**Total Project**

**Cost:**

**\$5,697,080**

## About the Project

**Description:** This project is for the demolition of the existing trickling filter basins and construction of a third primary clarifier to increase the capacity of the primary treatment system to 12 MGD. The primary clarifier will be constructed in the area now occupied by the decommissioned trickling filters.



**Purpose/Need:** The demolition of the existing trickling filter makes room for the new Primary Clarifier. The primary treatment capacity increase will be required to accommodate future growth and to re-rate the plant to 12MGD.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2023	\$113,175	\$339,525	<b>\$452,700</b>
2024	\$1,311,095	\$3,933,285	<b>\$5,244,380</b>
<b>Total</b>	<b>\$1,424,270</b>	<b>\$4,272,810</b>	<b>\$5,697,080</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2023	\$452,700		<b>\$452,700</b>
2024	\$476,760	\$4,767,620	<b>\$5,244,380</b>
<b>Total</b>	<b>\$929,460</b>	<b>\$4,767,620</b>	<b>\$5,697,080</b>

# Digested Sludge Dewatering

\*\*\*\*\*

Department:

Water & Power

Division:

Wastewater

Project Manager:

Tom Greene

Phone Number:

970.962.3706

Email:

Tom.Greene@cityofloveland.org

Project Category:

Engineering / Construction

Project Number:

NA

Duration:

2022-2023

\*\*\*\*\*

**Total Project Cost:**  
**\$16,522,790**

## About the Project

**Description:** This project will be built in the area of the WAS thickening building and will incorporate centrifuges or related technology for dewatering and solids cake loading into biosolids hauling trucks.



**Purpose/Need:** This project is recommended based on the 2007 Solids Management Study and will provide on-site dewatering capability to reduce the volume of digested biosolids hauled off-site and reduce dependence on liquid waste hauling. This project is dependent on the future cost of sludge hauling and may or may not become an economically feasible project.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2022	\$716,415	\$716,415	<b>\$1,432,830</b>
2023	\$7,544,980	\$7,544,980	<b>\$15,089,960</b>
<b>Total</b>	<b>\$8,261,395</b>	<b>\$8,261,395</b>	<b>\$16,522,790</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2022	\$1,432,830		<b>\$1,432,830</b>
2023	\$1,509,000	\$13,580,960	<b>\$15,089,960</b>
<b>Total</b>	<b>\$2,941,830</b>	<b>\$13,580,960</b>	<b>\$16,522,790</b>

# Misc 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:

NA

Duration:

2016-2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$1,009,820**

## About the Project

**Description:** 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.



**Purpose/Need:** Helps to reduce the costs and community impact to meet anticipated future capacity needs.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2016		\$80,310	<b>\$80,310</b>
2017		\$84,330	<b>\$84,330</b>
2018		\$88,520	<b>\$88,520</b>
2019		\$92,380	<b>\$92,380</b>
2020		\$96,890	<b>\$96,890</b>
2021		\$102,040	<b>\$102,040</b>
2022		\$107,460	<b>\$107,460</b>
2023		\$113,170	<b>\$113,170</b>
2024		\$119,190	<b>\$119,190</b>
2025		\$125,530	<b>\$125,530</b>
<b>Total</b>		<b>\$1,009,820</b>	<b>\$1,009,820</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2016		\$80,310	<b>\$80,310</b>
2017		\$84,330	<b>\$84,330</b>
2018		\$88,520	<b>\$88,520</b>
2019		\$92,380	<b>\$92,380</b>
2020		\$96,890	<b>\$96,890</b>
2021		\$102,040	<b>\$102,040</b>
2022		\$107,460	<b>\$107,460</b>
2023		\$113,170	<b>\$113,170</b>
2024		\$119,190	<b>\$119,190</b>
2025		\$125,530	<b>\$125,530</b>
<b>Total</b>		<b>\$1,009,820</b>	<b>\$1,009,820</b>

# Boyd Interceptor Projects

\*\*\*\*\*

Department:  
Water & Power

Division:  
Wastewater

Project Manager:  
Tanner Randall

Phone Number:  
970.962.3715

Email:  
Tanner.Randall@  
cityofloveland.org

Project Category:  
Engineering / Construction

Project Number:  
N/A

Duration:  
2018-2022

\*\*\*\*\*

**Total Project  
Cost:  
\$7,485,500**

## About the Project

**Description:** The Boyd Lake Interceptor project includes the installation of new parallel line segments in the north central part of the City, generally from the intersection of Monroe Avenue and 29<sup>th</sup> Street, to the area near Denver Avenue and Highway 34.

**Purpose/Need:** 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 by development in northwest Loveland.



Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2018	\$0	\$188,840	<b>\$188,840</b>
2019	\$0	\$2,660,600	<b>\$2,660,600</b>
2020	\$0	\$206,690	<b>\$206,690</b>
2021	\$97,960	\$2,938,700	<b>\$3,036,660</b>
2022	1,392,710	\$0	<b>\$1,392,710</b>
<b>Total</b>	<b>\$1,490,670</b>	<b>\$5,994,830</b>	<b>\$7,485,500</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2018	\$188,840	\$0	<b>\$188,840</b>
2019	\$197,080	\$2,463,520	<b>\$2,660,600</b>
2020	\$206,690	\$0	<b>\$206,690</b>
2021	\$315,640	\$2,721,020	<b>\$3,036,660</b>
2022	\$103,160	\$1,289,550	<b>\$1,392,710</b>
<b>Total</b>	<b>\$1,011,410</b>	<b>\$6,474,090</b>	<b>\$7,485,500</b>

# Misc 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:

W1301G

Duration:

2017-2025

\*\*\*\*\*

**Total Project Cost:  
\$5,519,540**

## About the Project

**Description:** Replacing aging infrastructure is a growing need within the utility. Typically, most communities face increasing rehabilitation costs as the age of installed infrastructure advances.



**Purpose/Need:** After 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.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2017	\$899,570		\$899,570
2018			\$0
2019	\$985,410		\$985,410
2020			\$0
2021	\$1,088,410		\$1,088,410
2022			\$0
2023	\$1,207,200		\$1,207,200
2024			\$0
2025	\$1,338,950		\$1,338,950
<b>Total</b>	<b>\$5,519,540</b>		<b>\$5,519,540</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2017		\$899,570	\$899,570
2018			\$0
2019		\$985,410	\$985,410
2020			\$0
2021		\$1,088,410	\$1,088,410
2022			\$0
2023		\$1,207,200	\$1,207,200
2024			\$0
2025		\$1,338,950	\$1,338,950
<b>Total</b>		<b>\$5,519,540</b>	<b>\$5,519,540</b>

# Hwy 402 Wastewater Main Extension

\*\*\*\*\*

Department:

Water & Power

Division:

Wastewater

Project Manager:

Tanner Randall

Phone Number:

970.962.3715

Email:

Tanner.Randall@  
cityofloveland.org

Project Category:

Engineering / Construction

Project Number:

N/A

Duration:

2025

\*\*\*\*\*

**Total Project  
Cost:  
\$502,110**

## About the Project

**Description:** This project includes the design and construction of a new wastewater main. 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.



**Purpose/Need:** This project will provide for future development along the Highway 402 corridor as well as the southeast corner of the City's wastewater service area.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2025		\$502,110	<b>\$502,110</b>
<b>Total</b>		<b>\$502,110</b>	<b>\$502,110</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2025	\$502,110		<b>\$502,110</b>
<b>Total</b>	<b>\$502,110</b>		<b>\$502,110</b>

# North Horseshoe Lift Station Upgrades

\*\*\*\*\*

Department:

Water & Power

Division:

Wastewater

Project Manager:

Tom Greene

Phone Number:

970.962.3706

Email:

Tom.Greene@  
cityofloveland.org

Project Category:

Engineering / Construction

Project Number:

N/A

Duration:

2020-2021

\*\*\*\*\*

**Total Project  
Cost:  
\$975,450**

## About the Project

**Description:** This is an aging lift station located near Horseshoe Lake. Proposed improvements are not exactly known at this time, but will likely include; emergency overflow storage, lining of existing wetwell, replacement of piping, valves, and controls.



**Purpose/Need:** This project will increase pumping capacity to provide adequate sewer service to potential development and population growth in areas north of Horseshoe Reservoir, and bring the station up to current design standards.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2020	\$77,510		<b>\$77,510</b>
2021	\$897,940		<b>\$897,940</b>
<b>Total</b>	<b>\$975,450</b>		<b>\$975,450</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2020	\$77,510		<b>\$77,510</b>
2021	\$81,630	\$816,310	<b>\$897,940</b>
<b>Total</b>	<b>\$159,140</b>	<b>\$816,310</b>	<b>\$975,450</b>

# S. Side Lift Station & Force Main Improvements

\*\*\*\*\*

Department:

Water & Power

Division:

Wastewater

Project Manager:

Roger Berg

Phone Number:

970.962.3711

Email:

Roger.Berg@  
cityofloveland.org

Project Category:

Engineering / Construction

Project Number:

NA

Duration:

2016

\*\*\*\*\*

**Total Project  
Cost:  
\$1,284,980**

## About the Project

**Description:** 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 proposed project includes installing a smaller forcemain in 2016, and replacing the pumps, valves and controls in 2016.



**Purpose/Need:** 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 steadier resulting in less strain and improved efficiency at the plant. In addition, the 32-year old pumps have excessive wear and corrosion, and are past their useful life.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2016	\$1,284,980		<b>\$1,284,980</b>
<b>Total</b>	<b>\$1,284,980</b>		<b>\$1,284,980</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2016	\$214,160	\$1,070,820	<b>\$1,284,980</b>
<b>Total</b>	<b>\$214,160</b>	<b>\$1,070,820</b>	<b>\$1,284,980</b>

# East Side Life Station 3rd Pump Install

\*\*\*\*\*

Department:

Water & Power

Division:

Wastewater

Project Manager:

Roger Berg

Phone Number:

970.962.3711

Email:

Roger.Berg@  
cityofloveland.org

Project Category:

Engineering

Project Number:

N/A

Duration:

2025

\*\*\*\*\*

**Total Project  
Cost:  
\$50,210**

## About the Project

**Description:** The proposed capital project is to install a third submersible pump and all required equipment necessary for the pump to be operational at the East Side Lift Station.



**Purpose/Need:** The East Side Lift Station was designed to accept Loveland's eastern

wastewater collection system (including Centerra) and transfer the raw sewage via dual force mains into the gravity sewer system and treated at the City's wastewater treatment plant. The East Side Lift Station wetwell capacity was designed to handle the collection basin's incoming flow. No additional wetwell capacity is needed. However, the East Side Lift Station was initially built with two submersible pumps, located in the wetwell, and design for a third pump to be installed to handle growth's increased flow. Continued growth in the area and future growth will eventually reached a level where the East Side Lift Station's third pump is required. The proposed capital project is to install a third submersible pump and all required equipment necessary for the pump to be operational.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2025		\$50,210	<b>\$50,210</b>
<b>Total</b>		<b>\$50,210</b>	<b>\$50,210</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2025	\$50,210		<b>\$50,210</b>
<b>Total</b>	<b>\$50,210</b>		<b>\$50,210</b>

# 29th Street Lift Station Renovation

\*\*\*\*\*

Department:  
Water & Power

Division:  
Wastewater

Project Manager:  
Tom Greene

Phone Number:  
970.962.3706

Email:  
Tom.Greene@  
cityofloveland.org

Project Category:  
Engineering / Construction

Project Number:  
NA

Duration:  
2016

\*\*\*\*\*

**Total Project  
Cost:  
\$256,990**

## About the Project

### Description:

This is an aging lift station located adjacent to 29<sup>th</sup> Street and Lake Loveland. The proposed improvements include; replacing the discharge piping in the wet well, new pump rails, control panel upgrades, and installing a larger generator enclosure.



**Purpose/Need:** The primary purpose of the project is to replace aging infrastructure at or near the end of its useful life. These improvements will help mitigate emergency repairs and sewage spills (or overflows), and extend the life of this lift station. Since this station is located adjacent to Lake Loveland, preventing sewage overflows is critical.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2016	\$256,990		\$256,990
<b>Total</b>	<b>\$256,990</b>		<b>\$256,990</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2016	\$42,830	\$214,160	\$256,990
<b>Total</b>	<b>\$42,830</b>	<b>\$214,160</b>	<b>\$256,990</b>

# Bus Barn Lift Station Renovation

\*\*\*\*\*

Department:

Water & Power

Division:

Wastewater

Project Manager:

Tom Greene

Phone Number:

970.962.3706

Email:

Tom.Greene@cityofloveland.org

Project Category:

Engineering / Construction

Project Number:

N/A

Duration:

2017

\*\*\*\*\*

**Total Project**

**Cost:**

**\$404,810**

## About the Project

**Description:** This lift station is located just east of Loveland High School. The electric service includes single phase power that is converted to 3-phase via an add-a-phase converter (which is needed to run the 5 -hp pumps). The back-up generator is also single phase, therefore the phase converter is required to operate this station from the grid or from the generator. The proposed project will include running 3-phase power to the facility and modifying the generator to 3-phase (or full generator replacement if necessary).



**Purpose/Need:** The proposed improvements will allow removal of the phase converter, thereby increasing the reliability of the station and upgrading the facility to current standards, and thus reducing risk of station failure.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2017	\$404,810		<b>\$404,810</b>
<b>Total</b>	<b>\$404,810</b>		<b>\$404,810</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2017	\$67,470	\$337,340	<b>\$404,810</b>
<b>Total</b>	<b>\$67,470</b>	<b>\$337,340</b>	<b>\$404,810</b>

# WWTP Final Clarifier #4

\*\*\*\*\*

Department:  
Water & Power

Division:  
Wastewater

Project Manager:  
Brian Gandy

Phone Number:  
970.962.3760

Email:  
Brian.Gandy@  
cityofloveland.org

Project Category:  
Engineering / Construction

Project Number:  
NA

Duration:  
2021-2022

\*\*\*\*\*

**Total Project  
Cost:  
\$6,420,620**

## About the Project

**Description:** This project will include construction of a fourth Final Clarifier (90' dia., 16' sidewater depth).



**Purpose/Need:** This additional final clarifier capacity will be required to meet population growth (i.e., increased hydraulic and solids loading), and to provide needed redundancy to meet State of Colorado Design Criteria. This expansion will be required when plant flows regularly exceed 9 mgd, which is dependent on population growth and customer usage (current flowrate is approximately 6.5 mgd). This project would effectively increase the plant hydraulic rating from 10 mgd to 12 mgd.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2021	\$102,038	\$408,152	<b>\$510,190</b>
2022	\$1,182,086	\$4,728,344	<b>\$5,910,430</b>
<b>Total</b>	<b>\$1,284,124</b>	<b>\$5,136,496</b>	<b>\$6,420,620</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2021	\$510,190	\$0	<b>\$510,190</b>
2022	\$537,310	\$5,373,120	<b>\$5,910,430</b>
<b>Total</b>	<b>\$1,047,500</b>	<b>\$5,373,120</b>	<b>\$6,420,620</b>

# WWTP Headworks Step Screen Install

\*\*\*\*\*

Department:  
Water & Power

Division:  
Wastewater

Project Manager:  
Roger Berg

Phone Number:  
970.962.3711

Email:  
Roger.Berg@  
cityofloveland.org

Project Category:  
Engineering / Construction

Project Number:  
NA

Duration:  
2016-2017

\*\*\*\*\*

**Total Project  
Cost:  
\$2,015,980**

## About the Project

### Description:

This project includes replacing the existing influent grinders with a more robust screening system called Step Screens to protect all plant equipment and processes. 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. Currently rags and other debris pass through the grinders and bind up in pumps, pipes, mixers, and other locations.



### Purpose/Need:

New influent screens will; help protect all downstream pipes and equipment from clogs and damage; improve the efficiency of the biological process and thereby improve effluent quality and reduce the potential for discharge violations; eliminate the annual cost of refurbishing the grinders (\$75,000/yr); reduce energy consumption by improving efficiency of pumps and mixers (which run 24/7); greatly reduce O&M efforts needed to remove the material from pumps, mixers and piping; and eliminate the weekly O&M efforts needed to clean the existing grinders.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2016	\$144,558	\$16,062	<b>\$160,620</b>
2017	\$1,669,824	\$185,536	<b>\$1,855,360</b>
<b>Total</b>	<b>\$1,814,382</b>	<b>\$201,598</b>	<b>\$2,015,980</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2016	\$160,620		<b>\$160,620</b>
2017	\$168,670	\$1,686,690	<b>\$1,855,360</b>
<b>Total</b>	<b>\$329,290</b>	<b>\$1,686,690</b>	<b>\$2,015,980</b>

# WWTP Digester #3

\*\*\*\*\*

Department:

Water & Power

Division:

Wastewater

Project Manager:

Brian Gandy

Phone Number:

970.962.3711

Email:

Brian.Gandy@  
cityofloveland.org

Project Category:

Engineering / Construction

Project Number:

NA

Duration:

2016-2017

\*\*\*\*\*

**Total Project  
Cost:  
\$16,723,170**

## About the Project

### Description:

A new 1 million gallon submerged, fixed-cover anaerobic digester tank with space to add a fourth tank in the future. Improvements include; concrete digester tank, control building, pump mixing system, 10,000 gallon pre-digestion sludge blending tank, heat exchanger, two hot water boilers, sludge circulation pumping, digester gas piping.



### Purpose/Need:

This additional digester capacity will be required to meet population growth (i.e., increased loading to the plant), and to provide needed redundancy to meet State of Colorado Design Criteria.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2016	\$7,830,685	\$7,830,685	<b>\$15,661,370</b>
2017	\$530,900	\$530,900	<b>\$1,061,800</b>
<b>Total</b>	<b>\$8,361,585</b>	<b>\$8,361,585</b>	<b>\$16,723,170</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2016	\$1,392,060	\$14,269,310	<b>\$15,661,370</b>
2017	\$1,061,800	\$0	<b>\$1,061,800</b>
<b>Total</b>	<b>\$2,453,860</b>	<b>\$14,269,310</b>	<b>\$16,723,170</b>

# WWTP Non-Potable System

\*\*\*\*\*

Department:

Water & Power

Division:

Wastewater

Project Manager:

Tom Greene

Phone Number:

970.962.3706

Email:

Tom.Greene@cityofloveland.org

Project Category:

Engineering / Construction

Project Number:

NA

Duration:

2016

\*\*\*\*\*

**Total Project**

**Cost:**

**\$299,820**

## About the Project

**Description:** The non-potable water system at the WWTP is used for on-site flushing and cleaning, and for irrigating the grounds. Treated wastewater effluent flows to a wet well in the sludge load out building, two submersible pumps in the wet well pump the effluent to various yard hydrants around the plant and into the irrigation system. This project includes modifications to the existing pumping station to prevent plugging and corrosion of the pumps, and the addition of VFD's to reduce energy consumption. A detailed study and analysis will be completed in 2016 determine the best solutions to the problems.

**Purpose/Need:** The wet well pumps need to be replaced annually at a cost of approximately \$15,000. This project is needed to extend the service life of the pumps and thereby reduce replacement costs, and to reduce energy costs.



Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2016	\$299,820		<b>\$299,820</b>
<b>Total</b>	<b>\$299,820</b>		<b>\$299,820</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2016	\$32,120	\$267,700	<b>\$299,820</b>
<b>Total</b>	<b>\$32,120</b>	<b>\$267,700</b>	<b>\$299,820</b>

# WWTP Interceptor Junction Box

\*\*\*\*\*

Department:  
Water & Power

Division:  
Wastewater

Project Manager:  
Tanner Randall

Phone Number:  
970.962.3715

Email:  
Tanner.Randall@  
cityofloveland.org

Project Category:  
Engineering / Construction

Project Number:  
NA

Duration:  
2018

\*\*\*\*\*

**Total Project  
Cost:  
\$708,160**

## About the Project

**Description:** WWTP Interceptor Junction Box (also referred to as Manhole A) is located just north of the Headworks building at the WWTP. This is a concrete box where flows from three large diameter sewers and one forcemain come together just before



entering the headworks screening process. The box is approximately 30 years old and is subject to hydrogen sulfide gas on a continuous basis. This project will include constructing bypass structure or channel and rehabilitating the walls and gates of the existing structure.

**Purpose/Need:** This project is necessary to extend the life of existing infrastructure, and to add operation flexibility.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2018	\$708,160		<b>\$708,160</b>
<b>Total</b>	<b>\$708,160</b>		<b>\$708,160</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2018	\$118,030	\$590,130	<b>\$708,160</b>
<b>Total</b>	<b>\$118,030</b>	<b>\$590,130</b>	<b>\$708,160</b>

# WWTP Nutrient Removal Phase 1 and 2

\*\*\*\*\*

Department:

Water & Power

Division:

Wastewater

Project Manager:

Roger Berg

Phone Number:

970.962.3711

Email:

Roger.Berg@  
cityofloveland.org

Project Category:

Engineering / Construction

Project Number:

W1504H

Duration:

2016-2017

\*\*\*\*\*

**Total Project  
Cost:  
\$8,999,420**

## About the Project



**Description:** The primary goals of the project will be to meet the Reg 85 nutrient limits and increase the organic capacity of the plant from 20,236 lb/day to 27,800 lb/day (peak month BOD loading). The hydraulic capacity relating to 12 MGD outlined in the BNR modeling study will be delayed to a future project (secondary clarifier #4). The project is expected to include modifications to the existing bioreactor trains, addition of a 3<sup>rd</sup> bioreactor train, and blower modifications/additions.

**Purpose/Need:** This project is needed to meet the new regulatory discharge limits of Regulation 85 which will be in effect after the discharge permit is renewed (after Oct. 31, 2015), the new effluent limits will be 1.0 mg/l total phosphorus, and 15 mg/l total inorganic nitrogen. The City will have until 2018 or 2019 to have the necessary improvements completed to meet the new limits. These new limits are mandated by the US EPA and are designed to lower algal blooms in receiving streams in order to reduce oxygen demand from decomposing bio-matter, and therefore improve water quality for aquatic life.

The other purpose is to increase the organic loading capacity, which is necessary to continue the City's population growth. In 2014, the max month loading rate was 86% of capacity. At 80% of capacity, the State requires that planning and design have begun, when 95% of capacity is reached, the State mandates that construction be underway to increase this capacity. Beginning this project in 2016 will allow the City to comply with the State regulations on organic loading capacity and allow continued growth.

Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2016	\$832,240	\$1,248,360	<b>\$2,080,600</b>
2017	\$2,767,528	\$4,151,292	<b>\$6,918,820</b>
<b>Total</b>	<b>\$3,599,768</b>	<b>\$5,399,652</b>	<b>\$8,999,420</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2016	\$153,130	\$1,927,470	<b>\$2,080,600</b>
2017	\$509,380	\$6,409,440	<b>\$6,918,820</b>
<b>Total</b>	<b>\$662,510</b>	<b>\$8,336,910</b>	<b>\$8,999,420</b>

# General Plant Projects

\*\*\*\*\*

Department:

Water & Power

Division:

Wastewater

Project Manager:

Kathy Gross

Phone Number:

970.962.3543

Email:

Kathy.Gross  
@cityofloveland.org

Project Category:

Construction

Project Number:

NA

Duration:

2016

\*\*\*\*\*

**Total Project  
Cost:  
\$130,000**

## About the Project

**Description:**  
Replace Perelli  
floor with  
rubber or  
polished  
concrete.



Funding Sources			
Revenue	Wastewater Fund	System Impact Fee	Total
2016	\$130,000		<b>\$130,000</b>
<b>Total</b>	<b>\$130,000</b>		<b>\$130,000</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2016		\$130,000	<b>\$130,000</b>
<b>Total</b>		<b>\$130,000</b>	<b>\$130,000</b>

# Water Line Replacements

\*\*\*\*\*

Department:

Water & Power

Division:

Water

Project Manager:

Roger Berg

Phone Number:

970.962.3711

Email:

Roger.Berg@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

N/A

Duration:

2016-2025

\*\*\*\*\*

**Total Project  
Cost:  
\$10,492,370**

## About the Project

**Description:** Replace aging water infrastructure. Typically, most communities face increasing replacement costs as the age of installed infrastructure advances.



**Purpose/Need:** 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 this infrastructure.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2016	\$722,800		<b>\$722,800</b>
2017			
2018			
2019	\$1,108,590		<b>\$1,108,590</b>
2020	\$1,498,530		<b>\$1,498,530</b>
2021	\$1,578,190		<b>\$1,578,190</b>
2022	\$1,289,550		<b>\$1,289,550</b>
2023	\$1,358,100		<b>\$1,358,100</b>
2024	\$1,430,290		<b>\$1,430,290</b>
2025	\$1,506,320		<b>\$1,506,320</b>
<b>Total</b>	<b>\$10,492,370</b>		<b>\$10,492,370</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$80,310	\$642,490	<b>\$722,800</b>
2017			
2018			
2019	\$123,180	\$985,410	<b>\$1,108,590</b>
2020	\$206,690	\$1,291,840	<b>\$1,498,530</b>
2021	\$217,680	\$1,360,510	<b>\$1,578,190</b>
2022	\$143,280	\$1,146,270	<b>\$1,289,550</b>
2023	\$150,900	\$1,207,200	<b>\$1,358,100</b>
2024	\$158,920	\$1,271,370	<b>\$1,430,290</b>
2025	\$167,370	\$1,338,950	<b>\$1,506,320</b>
<b>Total</b>	<b>\$1,248,330</b>	<b>\$9,244,040</b>	<b>\$10,492,370</b>

# 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:

Construction

Project Number:

N/A

Duration:

2016

\*\*\*\*\*

**Total Project  
Cost:  
\$160,620**

## About the Project

**Description:** The Water Division plans for projects that align with major street or storm water improvements. The major waterline coordination projects are Taft Avenue Phase 2 widening (2016) and the Loveland Outfall Phase 3 (Sherri Mar – estimated to be done in 2020).



**Purpose/Need:** The coordinated projects share costs between City Departments and they minimize disruption to the public.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2016	\$160,620		\$160,620
<b>Total</b>	<b>\$160,620</b>		<b>\$160,620</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$160,620	\$160,620
<b>Total</b>		<b>\$160,620</b>	<b>\$160,620</b>

# 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:

Construction

Project Number:

N/A

Duration:

2016-2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$1,009,820**

## About the Project

**Description:** As development on the fringes of the City occur, 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. Future anticipated wastewater main alignment and sizes have been planned for in the Water/Wastewater Master Plan.



**Purpose/Need:** Helps to reduce the costs and community impact to meet anticipated future capacity needs.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2016		\$80,310	<b>\$80,310</b>
2017		\$84,330	<b>\$84,330</b>
2018		\$88,520	<b>\$88,520</b>
2019		\$92,380	<b>\$92,380</b>
2020		\$96,890	<b>\$96,890</b>
2021		\$102,040	<b>\$102,040</b>
2022		\$107,460	<b>\$107,460</b>
2023		\$113,170	<b>\$113,170</b>
2024		\$119,190	<b>\$119,190</b>
2025		\$125,530	<b>\$125,530</b>
<b>Total</b>		<b>\$1,009,820</b>	<b>\$1,009,820</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$80,310	<b>\$80,310</b>
2017		\$84,330	<b>\$84,330</b>
2018		\$88,520	<b>\$88,520</b>
2019		\$92,380	<b>\$92,380</b>
2020		\$96,890	<b>\$96,890</b>
2021		\$102,040	<b>\$102,040</b>
2022		\$107,460	<b>\$107,460</b>
2023		\$113,170	<b>\$113,170</b>
2024		\$119,190	<b>\$119,190</b>
2025		\$125,530	<b>\$125,530</b>
<b>Total</b>		<b>\$1,009,820</b>	<b>\$1,009,820</b>

# Morning Dr. Alternate 30" Water Line

\*\*\*\*\*

Department:

Water & Power

Division:

Water

Project Manager:

Tanner Randall

Phone Number:

970.962.3715

Email:

Tanner.Randall@  
cityofloveland.org

Project Category:

Planning

Project Number:

N/A

Duration:

2025

\*\*\*\*\*

**Total Project  
Cost:  
\$368,210**

## About the Project

**Description:** Install a new parallel water line to the existing 24-inch waterline that supplies water to the northwest region of the City's water service area.



**Purpose/Need:** 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	System Impact Fee	Total
2025	\$92,053	\$276,157	<b>\$368,210</b>
<b>Total</b>	<b>\$92,053</b>	<b>\$276,157</b>	<b>\$368,210</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2025	\$368,210		<b>\$368,210</b>
<b>Total</b>	<b>\$368,210</b>		<b>\$368,210</b>

# Morning Drive Pump Station

\*\*\*\*\*

Department:

Water & Power

Division:

Water

Project Manager:

Tom Greene

Phone Number:

970.962.3706

Email:

Tom.Greene@cityofloveland.org

Project Category:

Planning

Project Number:

N/A

Duration:

2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$288,540**

## About the Project

**Background:** The Morning Drive Pump Station was constructed in 1976. The station delivers water to the 29<sup>th</sup> Street storage tank, which serves over a quarter of the City's customers.



**Description:** Upgrade the Morning Drive Pump Station (pumps, piping, valves, controls, etc.).

**Purpose/Need:** 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 in the future.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2025	\$144,270	\$144,270	<b>\$288,540</b>
<b>Total</b>	<b>\$144,270</b>	<b>\$144,270</b>	<b>\$288,540</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2025	\$288,540		<b>\$288,540</b>
<b>Total</b>	<b>\$288,540</b>		<b>\$288,540</b>

# East Gravity Zone – 24” Loop

\*\*\*\*\*

Department:

Water & Power

Division:

Water

Project Manager:

Tanner Randall

Phone Number:

970.962.3715

Email:

Tanner.Randall@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

N/A

Duration:

2021-2025

\*\*\*\*\*

**Total Project**

**Cost:**

**\$8,655,340**

## About the Project

**Description:** Installation of a 24” water main loop around the southeast portion of the City to meet increasing demands as a result of development.



**Purpose/Need:** The proposed water main loop will be necessary to provide transmission and distribution to the eastern portion of the gravity zone. This water main loop will be built in multiple phases as development occurs.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2021	\$210,198	\$490,462	<b>\$700,660</b>
2022	\$1,218,840	\$2,843,960	<b>\$4,062,800</b>
2023	\$803,538	\$1,874,922	<b>\$2,678,460</b>
2024	\$0	\$0	<b>\$0</b>
2025	\$364,026	\$849,394	<b>\$1,213,420</b>
<b>Total</b>	<b>\$2,596,602</b>	<b>\$6,058,738</b>	<b>\$8,655,340</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2021	\$700,660	\$0	<b>\$700,660</b>
2022	\$624,000	\$3,438,800	<b>\$4,062,800</b>
2023	\$113,170	\$2,565,290	<b>\$2,678,460</b>
2024	\$0	\$0	<b>\$0</b>
2025	\$1,213,420	\$0	<b>\$1,213,420</b>
<b>Total</b>	<b>\$2,021,250</b>	<b>\$6,004,090</b>	<b>\$8,655,340</b>

# 29th Street 5.0 MG Storage Tank #2

\*\*\*\*\*

Department:

Water & Power

Division:

Water

Project Manager:

Tanner Randall

Phone Number:

970.962.3715

Email:

Tanner.Randall@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

N/A

Duration:

2022-2013

\*\*\*\*\*

**Total Project  
Cost:  
\$14,417,810**

## About the Project

**Description:** 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.



**Purpose/Need:** The additional storage will offer redundancy and reliability for water customers in Northwest Loveland. As of 2015 the City is 3.5 MG short of required storage in the gravity zone (not including P8). This is based on AWWA recommendations of having storage of 75% of max daily demand (MDD). This value does not include any dead storage in existing tanks.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2022	\$257,910	\$1,031,640	<b>\$1,289,550</b>
2023	\$2,625,652	\$10,502,608	<b>\$13,128,260</b>
<b>Total</b>	<b>\$2,883,562</b>	<b>\$11,534,248</b>	<b>\$14,417,810</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2022	\$1,289,550		<b>\$1,289,550</b>
2023	\$905,400	\$12,222,860	<b>\$13,128,260</b>
<b>Total</b>	<b>\$2,194,950</b>	<b>\$12,222,860</b>	<b>\$14,417,810</b>

# New Water Lines 12 Inch 10th St (RR Spur to Madison)

\*\*\*\*\*

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:

2016-2017

\*\*\*\*\*

**Total Project  
Cost:  
\$537,600**

## About the Project

**Description:** The proposed 12-inch waterline connects an existing 12-inch waterline in 10th Street to another 12-inch line in Madison Avenue.



**Purpose/Need:** The water model indicates that this is an important pipe to convey water from the west to the east side of town.

The connections will improve hydraulic capacity and will provide additional reliability for each respective area.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2016	\$32,123	\$10,708	<b>\$42,830</b>
2017	\$371,078	\$123,693	<b>\$494,770</b>
<b>Total</b>	<b>\$403,201</b>	<b>\$134,401</b>	<b>\$537,600</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$42,830		<b>\$42,830</b>
2017	\$44,980	\$449,790	<b>\$494,770</b>
<b>Total</b>	<b>\$87,810</b>	<b>\$449,790</b>	<b>\$537,600</b>

# Namaqua Hills Water Booster Station & Generator

\*\*\*\*\*

Department:

Water & Power

Division:

Water

Project Manager:

Tom Greene

Phone Number:

970.962.3706

Email:

Tom.Greene@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

N/A

Duration:

2017

\*\*\*\*\*

## Total Project

### Cost:

# \$595,970

## About the Project

**Description:** The Namaqua Hills booster station was built in the 1960's when the area developed and subsequently turned over to the City of Loveland for operation and maintenance. The proposed improvements will generally include replacing aging pumps, valves, and controls, and adding a backup generator.



**Purpose/Need:** The project will replace equipment that is beyond its useful life, and improve the level of service by providing a backup power source.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2017	\$595,970		<b>\$595,970</b>
<b>Total</b>	<b>\$595,970</b>		<b>\$595,970</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	\$89,960	\$506,010	<b>\$595,970</b>
<b>Total</b>	<b>\$89,960</b>	<b>\$506,010</b>	<b>\$595,970</b>

# Miscellaneous Water Distribution Items

\*\*\*\*\*

Department:

Water & Power

Division:

Water

Project Manager:

Craig Weinland

Phone Number:

970.962.3750

Email:

Craig.Weinland@  
cityofloveland.org

Project Category:

Construction

Project Number:

N/A

Duration:

2016-2025

\*\*\*\*\*

**Total Project  
Cost:  
\$2,692,860**

## About the Project

**Description:** These funds are budgeted for new Water Meters and Right of Way relocates.



**Purpose/Need:** Projects included are typically waterline relocates or system improvements that arise from development or become known through other capital projects (such as street widening). The budget for meters includes meters for new construction and for replacement of old meters.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2016	\$214,160		\$214,160
2017	\$224,890		\$224,890
2018	\$236,050		\$236,050
2019	\$246,360		\$246,360
2020	\$258,360		\$258,360
2021	\$272,110		\$272,110
2022	\$286,560		\$286,560
2023	\$301,800		\$301,800
2024	\$317,840		\$317,840
2025	\$334,730		\$334,730
<b>Total</b>	<b>\$2,692,860</b>		<b>\$2,692,860</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$214,160	\$214,160
2017		\$224,890	\$224,890
2018		\$236,050	\$236,050
2019		\$246,360	\$246,360
2020		\$258,360	\$258,360
2021		\$272,110	\$272,110
2022		\$286,560	\$286,560
2023		\$301,800	\$301,800
2024		\$317,840	\$317,840
2025		\$334,730	\$334,730
<b>Total</b>		<b>\$2,692,860</b>	<b>\$2,692,860</b>

# 2.0 MG Dakota Ridge Tank PZ2

\*\*\*\*\*

Department:  
Water & Power

Division:  
Water

Project Manager:  
Tom Greene

Phone Number:  
970.962.3706

Email:  
Tom.Greene@cityofloveland.org

Project Category:  
Planning

Project Number:  
N/A

Duration:  
2025

\*\*\*\*\*

**Total Project  
Cost:  
\$920,530**

## About the Project

**Description:** Build a 2.0 MG Tank at Dakota Ridge for the P2 Zone.

**Purpose/Need:** A 2.0 MG storage tank is needed to meet future demands in the P2 Zone. The timing of the tank is estimated based on the proposed development in the area. The additional water storage will allow the proposed 29<sup>th</sup> Street pump station P2 expansion to operate more efficiently rather than having existing pumps running continuously.



Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2025	\$138,080	\$782,450	<b>\$920,530</b>
<b>Total</b>	<b>\$138,080</b>	<b>\$782,450</b>	<b>\$920,530</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2025	\$920,530		<b>\$920,530</b>
<b>Total</b>	<b>\$920,530</b>		<b>\$920,530</b>

# 16" in Granite (57<sup>th</sup> to 50<sup>th</sup>)

\*\*\*\*\*

Department:  
Water & Power

Division:  
Water

Project Manager:  
Tanner Randall

Phone Number:  
970.962.3715

Email:  
Tanner.Randall@  
cityofloveland.org

Project Category:  
Planning

Project Number:  
N/A

Duration:  
2025

\*\*\*\*\*

**Total Project  
Cost:  
\$75,320**

## About the Project

**Description:** Install a 16" water line in Granite Street between 57<sup>th</sup> Street and 50<sup>th</sup> Street.



**Purpose/Need:** The 16" waterline will provide a valuable loop and has been recommend by hydraulic modeling studies. This waterline will ensure adequate levels of service in both pressure and flow to customers in North Loveland, and will provide needed redundancy in the event of a water line break.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2025	\$37,660	\$37,660	<b>\$75,320</b>
<b>Total</b>	<b>\$37,660</b>	<b>\$37,660</b>	<b>\$75,320</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2025	\$75,320		<b>\$75,320</b>
<b>Total</b>	<b>\$75,320</b>		<b>\$75,320</b>

# 36" Transmission Line Relining

\*\*\*\*\*

Department:

Water & Power

Division:

Water

Project Manager:

Tanner Randall

Phone Number:

970.962.3715

Email:

Tanner.Randall@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

N/A

Duration:

2019-2021

\*\*\*\*\*

**Total Project**

**Cost:**

**\$6,132,850**

## About the Project

### Description:

The City of Loveland's existing 36" steel water transmission main was constructed in 1962 and is showing signs of significant deterioration from external corrosion. Operations staff has made numerous repairs



and pipe river crossing replacements completed in 2015 has shown significant external corrosion where the pipe was laid on bedrock and backfilled with native cobbles. Additionally it is believed that there is significant leakage out of the pipe due to corrosion holes in the pipe.

### Purpose/Need:

Lining of the deteriorating existing 36" steel waterline will reduce risk of catastrophic failure, decrease repairs, reduce water loss, and extend the assets useful life for decades to come. It is recommended that a study of the pipe condition and rehabilitation techniques be completed to better plan and estimate a final design and cost estimate.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2019	\$197,080		<b>\$197,080</b>
2020	\$2,997,070		<b>\$2,997,070</b>
2021	\$2,938,700		<b>\$2,938,700</b>
<b>Total</b>	<b>\$6,132,850</b>		<b>\$6,132,850</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2019	\$197,080		<b>\$197,080</b>
2020	\$413,380	\$2,583,690	<b>\$2,997,070</b>
2021	\$217,680	\$2,721,020	<b>\$2,938,700</b>
<b>Total</b>	<b>\$828,140</b>	<b>\$5,304,710</b>	<b>\$6,132,850</b>

# 34" Water Line Valve Insertions

\*\*\*\*\*

Department:

Water & Power

Division:

Water

Project Manager:

Tanner Randall

Phone Number:

970.962.3715

Email:

Tanner.Randall@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

N/A

Duration:

2018

\*\*\*\*\*

**Total Project**

**Cost:**

**\$619,640**

## About the Project

### Description:

Study and then implement improvements, primarily the insertion of butterfly valves, for isolation, of the 34" steel waterline that runs along the Arkins Branch railroad. Additional assessment of the pipe's condition and possible cathodic protection improvements.



### Purpose/Need:

The existing 34" steel waterline, installed in 1962, has no isolation valves from Namaqua Ave. to N. Colorado Ave (~10,000 ft). From the Riverview Dr. junction vault (east of Rossum Dr.) there is one isolation valve prior to Namaqua Ave. The aging transmission line feeds numerous distribution lines and presently is very difficult if not impossible to isolate for repairs.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2018	\$619,640		<b>\$619,640</b>
<b>Total</b>	<b>\$619,640</b>		<b>\$619,640</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2018	\$88,520	\$531,120	<b>\$619,640</b>
<b>Total</b>	<b>\$88,520</b>	<b>\$531,120</b>	<b>\$619,640</b>

# Water Treatment Plant Expansion

\*\*\*\*\*

Department:

Water & Power

Division:

Water

Project Manager:

Tom Greene

Phone Number:

970.962.3706

Email:

Tom.Green@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

W1300D

Duration:

2016

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**Total Project**

**Cost:**

**\$26,867,697**

## About the Project

**Description:** Construction of the Water Treatment Plant Expansion began in September 2014 and will continue through June 2016. The primary elements of the project include the following:



- New Filter building for 8 million gallons per day
- New Chemical storage building
- Modifications to the existing flocculation and sedimentation basins
- New Sand filter drying bed
- New Soda ash feed system
- Replacement of cold water pumps (house water)
- Secondary electrical improvements

**Purpose/Need:** This project includes improvements to existing systems and new facilities to increase treatment capacity. Plant capacity will be increased from 30 million gallons per day (MGD) to 38 MGD in order to meet current and future projected water demands. The project is currently under construction, however the contingency amount available is only \$200,000, therefore, this is a budget request to increase the funds available in 2016 for unforeseen conditions and necessary changes.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
Prior Years	\$10,960,028	\$15,372,253	<b>\$26,332,281</b>
2016	\$214,167	\$321,249	<b>\$535,416</b>
<b>Total</b>	<b>\$11,174,195</b>	<b>\$15,693,502</b>	<b>\$26,867,697</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
Prior Years	\$1,971,024	\$24,361,257	<b>\$26,332,281</b>
2016	\$214,167	\$321,249	<b>\$535,416</b>
<b>Total</b>	<b>\$2,185,191</b>	<b>\$24,682,506</b>	<b>\$26,867,697</b>

# 16" Mtn View Discharge in Boyd Lake

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Department:

Water & Power

Division:

Water

Project Manager:

Tanner Randall

Phone Number:

970.962.3715

Email:

Tanner.Randall@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

NA

Duration:

2020-2021

\*\*\*\*\*

**Total Project  
Cost:  
\$1,316,200**

## About the Project

### Description:

Install a parallel discharge pipe from the Mountain View Pump Station to the existing 24" DIP in Boyd Lake Avenue, north of Hwy 34. Initial assumptions are the waterline will be a 16" PVC waterline that will be directionally drilled beneath Hwy 34 for a distance of 500'. Portions of the remaining open cut (3,000') may be funded by development.



### Purpose/Need:

The Mountain View pump station was designed to have a 24" discharge pipe feeding the P8 zone. A 16" waterline was installed instead. Presently the pump station operates at a flow rate of 3,500 gpm. The master plan flow rate is 12,600 gpm which would yield velocities over 20 fps and result in prohibitive headloss. The parallel line will meet master planned demand in the P8 zone.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2020	\$58,134	\$135,646	<b>\$193,780</b>
2021	\$336,726	\$785,694	<b>\$1,122,420</b>
<b>Total</b>	<b>\$394,860</b>	<b>\$921,340</b>	<b>\$1,316,200</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2020	\$193,780		<b>\$193,780</b>
2021	\$102,040	\$1,020,380	<b>\$1,122,420</b>
<b>Total</b>	<b>\$295,820</b>	<b>\$1,020,380</b>	<b>\$1,316,200</b>

# P2 Water Pump Station & Discharge

\*\*\*\*\*

Department:

Water & Power

Division:

Water

Project Manager:

Brian Gandy

Phone Number:

970.962.3760

Email:

Brian.Gandy@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

NA

Duration:

2020-2021

\*\*\*\*\*

**Total Project Cost:**  
**\$1,353,640**

## About the Project

### Description:

Pay for a portion of pumping improvements at the 29<sup>th</sup> St. pump station to feed approved development within the P2 zone.



### Purpose/Need:

Future development within the P2 zone will require the 29<sup>th</sup> St. pump station to be expanded to not only meet P1 demands, but also the P2. The City is responsible for a portion of the work through a development agreement. To facilitate this there may be additional piping that needs to be completed by the City.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2020	\$64,590	\$64,590	<b>\$129,180</b>
2021	\$612,230	\$612,230	<b>\$1,224,460</b>
<b>Total</b>	<b>\$676,820</b>	<b>\$676,820</b>	<b>\$1,353,640</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2020	\$129,180		<b>\$129,180</b>
2021	\$136,050	\$1,088,410	<b>\$1,224,460</b>
<b>Total</b>	<b>\$265,230</b>	<b>\$1,088,410</b>	<b>\$1,353,640</b>

# Mod Valve Vault Rehabilitation

\*\*\*\*\*

Department:

Water & Power

Division:

Water

Project Manager:

Tanner Randall

Phone Number:

970.962.3715

Email:

Tanner.Randall@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

NA

Duration:

2018-2019

\*\*\*\*\*

**Total Project**

**Cost:**

**\$1,472,970**

## About the Project

### Description:

The existing City of Loveland water transmission modulating valve vault will be rehabilitated to ensure it is safe, efficient, and robust for current and future water delivery. Upon further study, it is anticipated that a formal valve vault will be constructed, pipes properly abandoned, a second



modulating valve installed, pipe coating, and additional safety improvements will be completed.

### Purpose/Need:

The existing valve vault has abandoned live pipes kicked against walls, dangerous access, and works as a hydraulic bottleneck with all of the water used within the City passing through one 30" modulating valve.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2018	\$118,030		<b>\$118,030</b>
2019	\$1,354,940		<b>\$1,354,940</b>
<b>Total</b>	<b>\$1,472,970</b>		<b>\$1,472,970</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2018	\$118,030		<b>\$118,030</b>
2019	\$123,180	\$1,231,760	<b>\$1,354,940</b>
<b>Total</b>	<b>\$241,210</b>	<b>\$1,231,760</b>	<b>\$1,472,970</b>

# 29th St Water Pump Station Emergency Generator

\*\*\*\*\*

Department:

Water & Power

Division:

Water

Project Manager:

Brian Gandy

Phone Number:

970.962.3760

Email:

Brian.Gandy@cityofloveland.org

Project Category:

Planning / Construction

Project Number:

NA

Duration:

2016

\*\*\*\*\*

**Total Project  
Cost:  
\$481,870**

## About the Project

### Description:

The scope of the project would include the removal of the existing generator building, generator, ATS, wire, and conduit. Improvements include a pre-fab generator building, 500KW Diesel generator, ATS, wire, conduit, and minor sitework.



### Purpose/Need:

The 29<sup>th</sup> Street Pump Station is currently operating without an operational backup emergency power source.

Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2016	\$192,748	\$289,122	<b>\$481,870</b>
<b>Total</b>	<b>\$192,748</b>	<b>\$289,122</b>	<b>\$481,870</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016	\$80,310	\$401,560	<b>\$481,870</b>
<b>Total</b>	<b>\$80,310</b>	<b>\$401,560</b>	<b>\$481,870</b>

# WTP Admin / Office Renovation

\*\*\*\*\*

Department:

Water & Power

Division:

Water

Project Manager:

Roger Berg

Phone Number:

970.962.3711

Email:

Roger.Berg@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

NA

Duration:

2022-2023

\*\*\*\*\*

**Total Project  
Cost:  
\$1,306,450**

## About the Project

**Description:** The administration/ office portion of the water treatment plant was built in the early 1980s and has not had a major upgrade since the original construction. The proposed improvements would include remodeling the existing offices, break room, and bathrooms, and repurposing a portion of the east chemical building into conference space.

**Purpose/Need:** The facility is outdated and does not provide adequate office space for existing or future employees. Also, the lunch room is very small and is often times used as a conference room forcing employees to eat lunch and take breaks elsewhere.



Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2022	\$1,246,090		\$1,246,090
2023	\$60,360		\$60,360
<b>Total</b>	<b>\$1,306,450</b>		<b>\$1,306,450</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2022	\$114,630	\$1,131,460	\$1,246,090
2023	\$60,360		\$60,360
<b>Total</b>	<b>\$174,990</b>	<b>\$1,131,460</b>	<b>\$1,306,450</b>

# Vehicle Replacements

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Department:

Water & Power

Division:

Water

Project Manager:

NA

Phone Number:

NA

Email:

NA

Project Category:

Construction

Project Number:

NA

Duration:

2016

\*\*\*\*\*

**Total Project**

**Cost:**

**\$258,600**

## About the Project

**Description:** The Water Division plans 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	System Impact Fee	Total
2016	\$258,600		<b>\$258,600</b>
<b>Total</b>	<b>\$258,600</b>		<b>\$258,600</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$258,600	<b>\$258,600</b>
<b>Total</b>		<b>\$258,600</b>	<b>\$258,600</b>

# East Admin. Lot Drainage Enhancements

\*\*\*\*\*

Department:  
Water & Power

Division:  
Water

Project Manager:  
Tim Hedgespeth

Phone Number:  
970.962.3552

Email:  
Tim.Hedgespeth@  
cityofloveland.org

Project Category:  
Construction

Project Number:  
NA

Duration:  
2016

\*\*\*\*\*

**Total Project  
Cost:  
\$100,000**

## About the Project

**Description:**  
Improvements to drainage and asphalt replacement at the East Administration parking lot at the Service Center.



Funding Sources			
Revenue	Water Fund	System Impact Fee	Total
2016	\$100,000		\$100,000
<b>Total</b>	<b>\$100,000</b>		<b>\$100,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2016		\$100,000	\$100,000
<b>Total</b>		<b>\$100,000</b>	<b>\$100,000</b>