

## Two-Grooved Milkvetch



# Capital Program

# Capital Program

## Introduction

The Loveland City Charter requires the City Manager to present a program of proposed capital projects for the budget year and four additional years. For planning purposes, staff expands this requirement and develops a ten-year capital program. The 2017-2026 Capital Program represents the funding plan for all infrastructure and new/replacement equipment for both General and Enterprise Fund agencies.

Projects included in the first year of the Capital Program are included in the recommended 2017 Budget. Projects included in the “out-years” (2018–2026) are approved by City Council in concept only. The Program is updated annually to address new needs, revise revenue projections, and incorporate City Council direction.

Capital projects for the purpose of the capital planning process are largely defined as projects or equipment with a cost of \$250,000 or more. In some cases, such as the Facility Major Maintenance Program and the Transportation Program, 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.

The Capital Program 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 included 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 project costs are in current dollars throughout the plan. Changes in scope may need to occur to keep 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. All costs are based on projections or estimates.

## Capital Program Plan Types:

- Traditionally Funded (General Fund Agencies)
- Golf Enterprise
- Power Enterprise
- Stormwater Enterprise
- Water Enterprise
- Wastewater Enterprise
- Raw Water Enterprise

## Traditionally Funded Capital Program

Focuses on the following:

- Transportation (both new construction and rehabilitation of existing streets, sidewalks, and bikeways)
- Facilities maintenance
- Parks and recreation
- Police equipment, facility, and technology needs
- Fire apparatus and facility needs
- New amenities
- Replacement of major equipment

Revenue sources include:

- TABOR Excess Revenue
- Council Special Projects Fund

- General Fund Transfers from Unassigned Fund Balance
- Transportation Fund (Highway Users Tax and Transportation Maintenance Fee)
- Capital Expansion Fees (CEFs)
- Conservation Trust Fund (Lottery)
- Park Improvement Fund (Charges for Services)
- Larimer County Opens Space Fund (Sales Tax)
- Outside Revenue (Grants, Donations, etc.)
- Interfund Loans

The largest sources are CEFs, Transportation Fund, TABOR Excess, and Larimer County Open Space Fund.

### **Capital Expansion Fees**

Capital Expansion Fees (CEFs) are a major funding component of the Capital 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:

1. Cultural Services Fee	6. Parks Fee
2. Fire Fee	7. Open Space Fee
3. General Government Fee	8. Recreation Fee
4. Library Fee	9. Trails Fee
5. Police Fee	10. 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 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 sources are:

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. The State distribution of Highway User Tax Funds (HUTF) completes the funding for the 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 21%, is from General Fund resources, which include General Fund tax revenue or fund balance, the TABOR reserve and the Council Capital 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.

### **Enterprise Funded Capital Program**

Plan Types:

- The Water Enterprise Fund provides for the treatment and distribution of water to City residents and businesses.

- The Raw Water Enterprise Fund provides for the acquisition of water and storage facilities to insure the City has an adequate water supply.
- 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.
- 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.
- The Storm Water Enterprise Fund collects the runoff from City streets for return to the river, to minimize flooding and improve traffic safety.
- 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.

Focuses on the following:

- Maintenance and expansion of delivery systems
- Treatment plants
- Replacement of major equipment

Revenue sources include:

- System Impact Fees (SIFs)
- Plan Investment Fees (PIFs)
- Enterprise Fund Balances
- Outside Revenue (Grants) & Reimbursements (Federal Emergency Management Agency (FEMA))
- External Borrowing

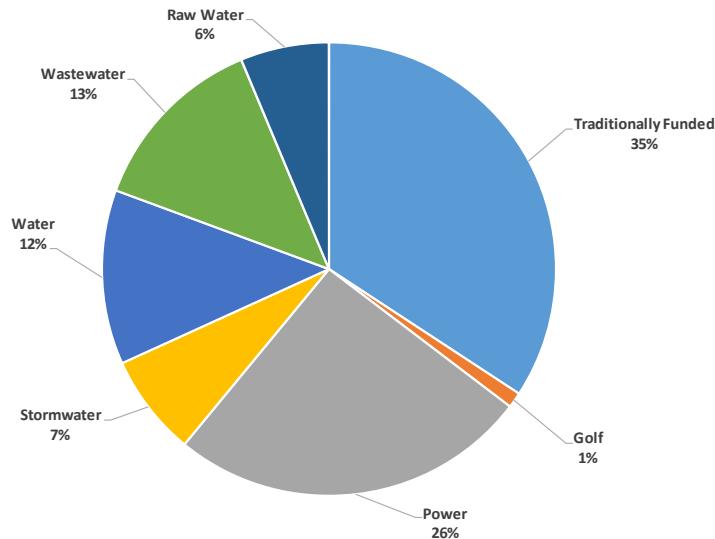
The Enterprise Funded Capital Program is funded through revenues derived from rates on usage and impact fees called System Impact Fees (SIFs) or Plant Investment Fees (PIFs). Like the Capital Expansion Fees (CEFs) used for Traditionally Funded Capital Program service areas, these are fees paid by development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

The program has been developed based on approved rate structures 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. The Wastewater 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.

### **Capital Program Summary**

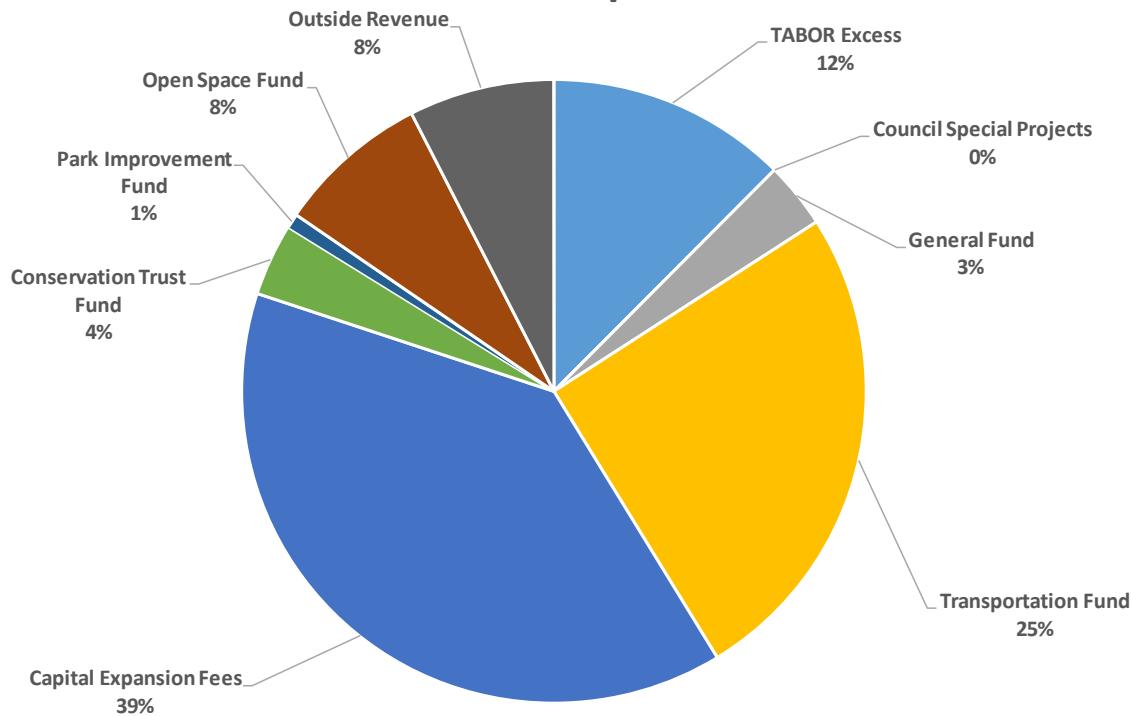
The total 2017-2026 Capital Program amount of \$625,323,089 is presented by Plan Type below.

**2017-2026 Capital Program by Plan Type**

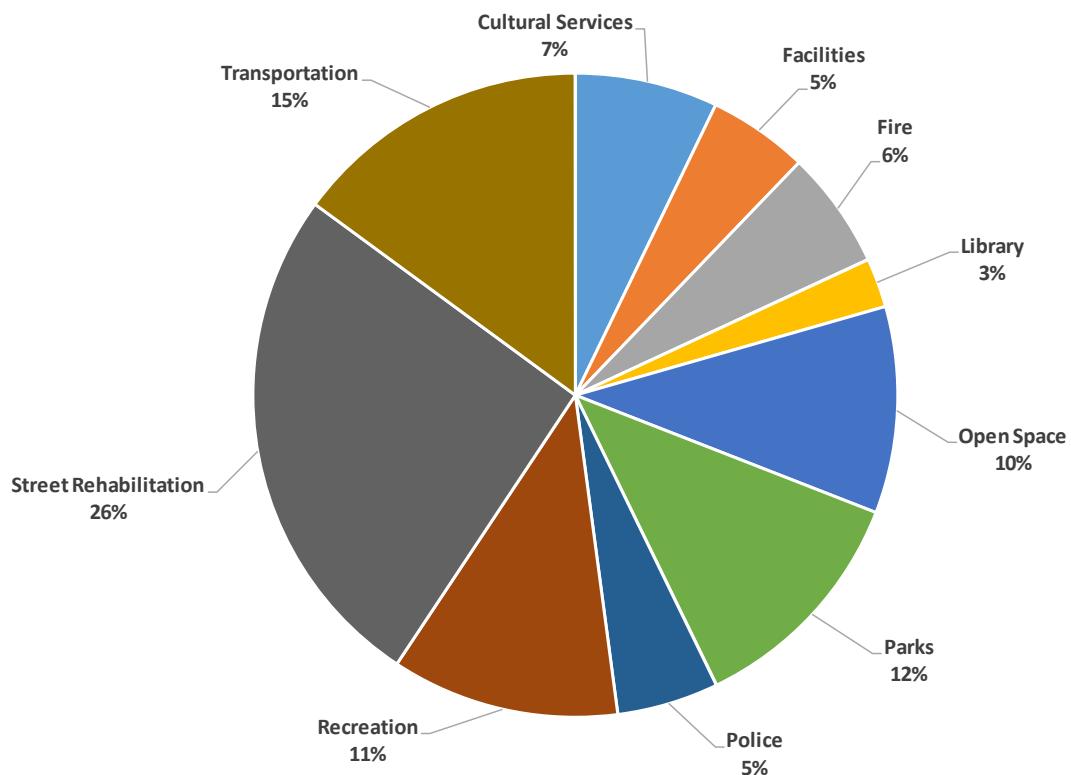


The total 2017-2026 Traditionally Funded Capital Program amount of \$215,983,859 for both revenues and expenses are presented below.

## 2017-2026 Use of Capital Resources



## 2017-2026 Capital Expenses



### 2017-2026 Capital Project Lists

Projects included in the 2018-2026 Capital Program are listed below by 10-Year Plan Type.

**Traditionally Funded (General Fund Agencies) Projects:**

Proposed Project	2017 Only	10-Year Total
ADA Transition Plan Update	200,000	200,000
Bike, PED, & ADA Ramp Program	664,154	664,154
Centennial Park Concessions	165,000	165,000
Cold Planer (Mill)	-	761,000
Community Park	-	10,500,000
Facilities Building Maintenance	600,800	5,617,000
Facilities Roof Replacement	-	1,140,770
Fairgrounds Park (Phase II)	-	832,500
Fire Apparatus Replacement	684,920	684,920
Fire Station 10 (SE Loveland)	-	4,394,600
Fire Station 10 (SE Loveland) New Equipment	-	1,280,100
Fire Station 7 (W Loveland)	-	3,479,500
Fire Training Center Property	1,391,220	2,782,440
Fleet Building Remodel	210,200	210,200
Fleet Garage Expansion	-	3,500,000
Junior Achievement Park Redevelopment	-	669,200
Kroh Park (Phase II)	-	2,100,000
Lakes at Centerra Park Reimbursement	200,000	300,000
Library Expansion	35,000	5,035,000
Library Kiosk	214,688	214,688
Loveland Sports Park (Phase II)	390,000	3,135,379
Municipal Building Renovation	50,000	50,000
Museum Expansion	160,000	15,270,000
Neighborhood Parks	-	3,300,000
North Lake Miniature Train Replacement	-	270,000
North Lake Park Improvements	-	1,100,000
Open Lands Acquisition & Restoration	5,340,000	22,138,250
Osborn Park Pickleball Courts	325,500	325,500
Park Renovation Projects	100,000	900,000
Police High Capacity Storage	200,000	200,000
Police Records Management System	1,398,157	1,398,157
Police Training Facility	810,000	9,125,000
Police Vehicles & Equipment	45,000	45,000
Recreation Facility	-	13,360,000
Recreation Trail	2,505,984	10,862,854
Sidewalk Installation (US 287)	702,000	702,000
Street Rehabilitation	4,720,670	54,117,150
Supplemental Bridge Repairs	1,260,000	1,260,000
The Foundry	3,000,000	3,000,000
Transportation - Annual Programs	740,000	7,625,000
Transportation - Bridge Maintenance Program	100,000	100,000
Transportation - Capital Projects	1,460,000	18,340,000
Transportation - Developer Reimbursements	409,299	2,727,897
US 287/US 34 Integration	250,000	250,000
Viestenz-Smith Mountain Park (Phase II)	225,000	1,850,600
<b>Total</b>	<b>\$28,557,592</b>	<b>\$215,983,859</b>

### Golf Enterprise Projects:

Proposed Project	2017 Only	10-Year Total
Cattail Creek Asset Replacement	50,000	135,500
Mariana Butte Course Renovations	-	92,000
Mariana Butte Asset Replacement	41,400	221,400
Olde Course Renovation	35,000	176,700
Olde Course Maintenance Building Replacement	-	660,500
Olde Course Clubhouse Replacement	-	2,359,500
Equipment Replacements (mowers, sprayers, spreaders, blowers, and clubhouse equipment)	522,698	3,207,673
<b>Total</b>	<b>\$649,098</b>	<b>\$6,853,273</b>

### Power Enterprise Projects:

Proposed Project	2017 Only	10-Year Total
Security Gates and Fences at Substations	500,000	3,912,144
Substation Projects	550,000	1,102,770
East Substation - Order & Install New transformer to replace Existing Transformer	-	1,113,080
Foothills Substation - Order & Install 2 Additional Transformers	-	6,039,150
Extension of Underground Transmission Line (new substation in SE corner of service territory)	-	19,378,542
Customer Aid-to Construction	1,830,000	20,396,870
Miscellaneous Feeder Extensions - General	150,000	2,705,640
Miscellaneous Feeder Extensions - PIF	150,000	1,777,840
Cable Replacement Projects	375,000	24,147,200
Install System Tie from Cascade West along Hwy 34, Turning South on Rossum to Saint Andrews	500,000	500,000
Canyon Conversion	750,000	1,476,380
Feeder Extension for Foothills Substation from W. 22nd & Rio Blanco Down Cascade to Eisenhower	20,000	1,130,330
Overhead to Underground Conversion Projects	1,430,000	10,129,040
Overhead to Underground Conversion - Downtown Area Upgrades	1,400,000	2,406,560
Miscellaneous Small Projects	100,000	2,496,450
Reconductor Line on N Taft Ave from Railroad Right of Way to Eisenhower	-	504,660
Extension of Feeder from 14th St SW to Hwy 60 along Hwy 287	1,100,000	1,100,000
Valley Substation New Switchgear & Transformer Order and Installation	-	2,525,640
East Substation New Switchgear Lineup Order and Installation	750,000	1,268,850
New Substation in SE Corner of Service Territory (near I-25 and Hwy 402)	-	7,983,000
New Substation in SW corner of Service Territory (near Boedecker Lake)	-	5,007,240
Land Purchase for New Substation	1,700,000	1,700,000
Foothills Substation - New Transformer Order and Installation	-	1,395,120
Feeder from Horseshoe Substation for Development (Woodward/Lee Farms Subdivision)	1,500,000	3,056,540
Install New Conduits from Byrd Dr to I-25 Frontage Rd (Connecting at Kendall Pkwy)	-	1,001,770
Install New Feeder from MCR to Kendall Pkwy & I-25 (sub to sub tie between Crossroads and Airport)	800,000	800,000
Install New Cable and Conduit from Garfield to CR 11	-	996,230
Install new Cable and Conduit from 57th and Taft to Vault	-	931,680
Install New Conduit from Foothills Substation along W. 22nd from Rio Blanco to Van Buren	20,000	1,576,540
Extend New Feeders from Valley Substation into System	-	1,737,160
Extend Feeders from New Substation in SE Corner of Service Territory into System	-	2,414,180
Extend Feeders from New Boedecker Substation into System	-	2,116,630
Install New Duct Bank and Cable from Madison, east on 37th to CR11C then N to CR30	-	1,031,830
Extend New Feeders along CR 11 from 57th St to CR 30	-	923,560
Extend New Feeders along CR 11 from Boyd Lake Ave to CR 30	-	1,609,750
Install Overhead Distribution Lines	25,000	296,310
Underground Distribution Lines	70,000	829,660
Meter Purchases/Installs/Upgrades	150,000	1,777,840
Substation Improvement Projects	75,000	888,930
Street Lights & Yard Lights	70,000	829,660
Overhead Service Installations/Upgrades	10,000	118,530
Underground Service Installations/Upgrades	250,000	2,963,070
Temporary Service Installations	50,000	592,610
Distribution Automation	110,000	1,303,750
Energy Diversification Projects	300,000	4,850,241
Streetlight Projects - Arterials/Major Collectors	150,000	1,777,840
Streetlight Projects - Customer Requests/Miscellaneous Projects/LED Installation Program	200,000	2,370,460

### Power Enterprise Projects, continued:

Proposed Project	2017 Only	10-Year Total
Demand Response	150,000	1,777,840
Triple Stack on Circuit 614 - Sub to Sub Tie with Crossroads 2	100,000	100,000
Copier Replacement	25,000	25,000
Stand Alone Server	44,350	44,350
Miscellaneous Hardware Failures	7,500	7,500
Crane Truck to Replace Vehicle #5307	360,000	360,000
4WD UB to Replace Vehicle #5120	44,000	44,000
4WD UB to Replace Vehicle #5128	83,500	83,500
2 WD PU to Replace Vehicle #5117	25,000	25,000
<b>Total</b>	<b>\$15,924,350</b>	<b>\$159,458,467</b>

### Stormwater Enterprise Projects:

Proposed Project	2017 Only	10-Year Total
16th Street Storm Sewer System	150,000	1,100,000
22nd Street from Van Buren to Taft	-	117,000
29th & Monroe Outfall (Phase 2)	1,150,000	1,150,000
29th & Sheridan Improvements	-	380,000
Big Thompson River Floodplain Mapping	20,000	20,000
Boyd Lake Outlet Ditch Improvements	100,000	1,732,750
Dry Creek at 37th Street Improvements	170,000	1,930,000
Dry Creek Stream Stability Study & Design	200,000	550,000
Engineering, Surveying & Geotechnical Services	150,000	1,650,000
Fire Training Grounds-S. Loveland Outfall Extension	225,000	225,000
Garfield and Harrison Outfall	-	12,705,900
Hogback Basin Outfall	-	2,057,000
Houts/Equalizer Basin Master Plan Update	25,000	25,000
Madison Avenue Outfall (Outlet Redirection)	650,000	650,000
Maintenance/Asset Management Projects	475,000	4,750,000
Millennium SW 9th Subdivision Outfall	-	375,000
Silver Lake Improvements (South Phase)	-	550,000
South Loveland Outfall (Phase 3)	-	8,369,500
Stormwater Quality Master Plan	-	90,000
Wilson & Eisenhower Improvements	-	457,000
New Equipment & Replacement (Streetsweeper)	302,000	6,175,700
<b>Total</b>	<b>\$3,617,000</b>	<b>\$45,059,850</b>

### Water Enterprise Projects:

Proposed Project	2017 Only	10-Year Total
Water Line Replacements	603,180	20,041,280
36" Transmission Line Relining	-	2,994,350
Miscellaneous Water Distribution Items	251,760	3,153,450
34" Water Line Valve Insertions	-	247,430
New Water Lines 12" 10th St. (RR Spur to Madison)	461,560	461,560
East Gravity Zone 24" Water Line Loop	-	14,921,580
16" Mountain View Discharge in Boyd Lake Avenue	31,470	1,162,260
16" Water Line in Granite Street (57th to 50th)	-	830,820
Morning Dr. 30" Water Line Phase 2	226,580	3,432,290
29th Street 5 Million Gallon Water Storage Tank #2	-	11,463,370
Morning Drive Pump Station Upgrade	-	2,342,300
3.5 Million Gallon 43rd St. Water Storage Tank #2	-	640,310
SW Water Booster Station	-	326,690
2 Million Gallon Dakota Ridge Water Storage Tank	-	10,271,340
Pressure Zone 2 Water Pump Station & Discharge Piping	104,900	1,314,190
Mod Valve Vault Rehabilitation	-	822,000

### Water Enterprise Projects, continued:

Proposed Project	2017 Only	10-Year Total
Namaqua Hills Water Booster Station & Generator	503,520	503,520
Extension and Oversizing Projects	78,680	985,450
WTP - Filter Plant 2 Roof Replacement	125,880	125,880
WTP - Admin/Office Renovation	-	1,337,420
General Plant Projects (New SUV for Water Treatment Plant)	26,000	26,000
<b>Total</b>	<b>\$2,413,530</b>	<b>\$77,403,490</b>

### Wastewater Enterprise Projects:

Proposed Project	2017 Only	10-Year Total
24" Parallel Boyd Interceptor (Sewer)	402,820	6,101,860
Highway 402 Sewer Main Extension	-	7,407,540
Sewer Line Replacement (Capacity Upgrades)	-	1,702,930
South Catalyst Sewer Improvements	472,050	472,050
Miscellaneous Sewer Line Rehabilitation Projects	1,049,000	14,199,570
North Horseshoe Lift Station Upgrades	-	904,620
East Side Lift Station 3rd Pump Install	-	452,320
Southside Lift Station Generator	-	603,090
Bus Barn Lift Station Renovation	482,540	482,540
Extension and Oversizing Projects	78,680	985,450
WWTP Final Clarifier #4	-	7,938,140
WWTP Primary Clarifier #3 & Trickling Filter	-	5,855,770
WWTP Digested Sludge Dewatering	-	18,152,860
WWTP New Laboratory Building	314,700	3,942,570
WWTP Upgrade Programmable Logic Controllers	-	315,020
WWTP Replace Aeration Lift Station Motor Control Center (MCC)	-	483,710
WWTP Interceptor Junction Box	-	1,374,620
WWTP Expansion to 12 Million Gallons per Day	9,808,150	9,808,150
General Plant Capital Projects	120,080	120,080
<b>Total</b>	<b>\$12,728,020</b>	<b>\$81,302,890</b>

### Raw Water Enterprise Projects:

Proposed Project	2017 Only	10-Year Total
Windy Gap Firming Project (Chimney Hollow - 7,000 acre feet)	483,760	32,586,710
Colorado Big Thompson (CBT) Water Purchases	524,500	6,569,650
Future Water Court Transfer Actions	104,900	104,900
<b>Total</b>	<b>\$1,113,160</b>	<b>\$39,261,260</b>

## **Capital Project Impacts to Operating Budget**

The table below summarizes anticipated capital project impacts to the operating budget. The estimates below represent anticipated additional project costs related to operations and maintenance in the project out-years detailed.

Project	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b><u>Traditionally Funded Plan</u></b>										
Community Park										408,000
Fairgrounds Park (Phase II)				32,500						
Fire Station 10 (SE Loveland)									1,195,240	
Fire Station 7 (W Loveland)			1,439,411							
Fleet Building Remodel	10,000									
Fleet Garage Expansion						192,000				
Junior Achievement Park Redevelopment				8,250						
Kroh Park (Phase II)						72,000				
Library Kiosk	6,000									
Loveland Sports Park (Phase II)			136,000							
Museum Expansion										673,250
Neighborhood Parks					55,000			55,000		
North Lake Parks Improvements				39,000						
Osborn Park Pickleball Courts	3,575									
Police Training Facility		350,000								
Recreation Facility										1,846,125
<b><u>Stormwater Enterprise Plan</u></b>										
Garfield & Harrison Outfall					146,000					
New Equipment and Replacement	101,000				113,000					
<b>Total</b>	<b>\$ 120,575</b>	<b>\$ 350,000</b>	<b>\$1,575,411</b>	<b>\$ 79,750</b>	<b>\$ 314,000</b>	<b>\$ 264,000</b>	<b>\$ -</b>	<b>\$1,250,240</b>	<b>\$1,846,125</b>	<b>\$1,081,250</b>

Please see the 10-year capital plans and capital project “pretty pages” that follow for more detail regarding capital projects included in the 2017-2016 Capital Program.

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## 2017-2026 Capital Program By Fund

	2017	2018	2019	2020	2021	Five Year Total	2022	2023	2024	2025	2026	Ten Year Total
<b>Enterprise Funds</b>												
Golf Enterprise	649,098	748,066	361,078	487,472	2,405,927	4,651,641	516,107	167,996	260,734	312,144	944,651	6,853,273
Power Enterprise	16,144,350	12,779,180	11,450,970	13,518,319	10,468,945	64,361,764	9,686,417	26,438,774	18,977,867	17,951,147	12,211,326	149,627,295
Water Enterprise	2,706,200	6,530,180	3,682,850	14,594,320	6,084,040	33,597,590	7,337,840	8,227,590	13,354,190	4,905,830	14,574,970	81,998,010
Wastewater Enterprise	12,743,030	10,255,850	2,921,070	245,640	5,684,060	31,849,650	7,406,920	4,413,880	1,701,500	7,252,030	30,423,050	83,047,030
Raw Water Enterprise	1,113,160	32,652,630	572,760	599,110	630,860	35,568,520	664,300	699,510	736,580	775,620	816,730	39,261,260
Storm Water Enterprise	3,617,000	3,967,000	3,332,500	6,695,500	3,857,800	21,469,800	4,849,000	5,724,850	3,310,200	5,263,000	4,443,000	45,059,850
<b>Total Enterprise Funds</b>	<b>36,972,838</b>	<b>66,932,906</b>	<b>22,321,228</b>	<b>36,140,361</b>	<b>29,131,632</b>	<b>191,498,965</b>	<b>30,460,584</b>	<b>45,672,600</b>	<b>38,341,071</b>	<b>36,459,771</b>	<b>63,413,727</b>	<b>405,846,718</b>
<b>Capital Expansion Fee Funds</b>												
Street CEF	1,307,299	1,446,299	2,782,299	1,571,000	1,272,000	8,378,897	994,500	2,387,500	1,034,500	1,185,500	2,719,500	16,700,397
Parks CEF	590,000	2,927,879	1,300,000	1,800,000	1,800,000	8,417,879	-	1,500,000	800,000	9,700,000	-	20,417,879
Recreation CEF	-	-	-	-	-	-	-	2,401,000	10,959,000	-	-	13,360,000
Open Space CEF	2,000,000	100,000	-	843,250	225,000	3,168,250	500,000	400,000	450,000	400,000	400,000	5,318,250
Trails CEF	380,600	-	-	300,000	300,000	980,600	300,000	500,000	300,000	400,000	-	2,480,600
General Government CEF	-	-	-	300,000	3,200,000	3,500,000	-	-	-	-	-	3,500,000
Fire CEF	595,610	1,224,750	400,000	-	-	2,220,360	-	2,837,350	-	-	-	5,057,710
Police CEF	650,000	5,307,500	-	-	-	5,957,500	-	-	-	-	-	5,957,500
Library CEF	249,688	-	-	-	-	249,688	-	-	-	1,000,000	4,000,000	5,249,688
Cultural Services CEF	160,000	-	-	-	-	160,000	-	-	-	2,290,500	2,319,500	4,770,000
<b>Total Capital Expansion Fee Funds</b>	<b>5,933,197</b>	<b>11,006,428</b>	<b>4,482,299</b>	<b>4,814,250</b>	<b>6,797,000</b>	<b>33,033,174</b>	<b>1,794,500</b>	<b>10,025,850</b>	<b>13,543,500</b>	<b>14,976,000</b>	<b>9,439,000</b>	<b>82,812,024</b>
<b>Special Revenue Funds</b>												
Transportation (street maintenance)	4,720,670	4,862,290	5,008,160	5,158,400	5,313,150	25,062,670	5,472,540	5,636,720	5,805,820	5,980,000	6,159,400	54,117,150
Conservation Trust	1,737,194	1,293,510	1,255,000	300,000	1,308,360	5,894,064	-	-	-	1,100,000	1,000,000	7,994,064
Park Improvement	100,000	300,000	419,200	100,000	100,000	1,019,200	270,000	100,000	100,000	100,000	-	1,589,200
Larimer County Open Space	3,340,000	2,735,000	350,000	225,000	3,825,000	10,475,000	1,405,000	1,500,000	1,190,000	1,250,000	1,000,000	16,820,000
<b>Total Special Revenue Funds</b>	<b>9,897,864</b>	<b>9,190,800</b>	<b>7,032,360</b>	<b>5,783,400</b>	<b>10,546,510</b>	<b>42,450,934</b>	<b>7,147,540</b>	<b>7,236,720</b>	<b>7,095,820</b>	<b>8,430,000</b>	<b>8,159,400</b>	<b>80,520,414</b>
<b>General Funds</b>												
General Fund	2,861,000	593,800	614,600	636,100	658,400	5,363,900	681,400	705,300	729,970	755,500	781,900	9,017,970
General Fund - TABOR Excess	8,477,341	10,212,320	3,247,000	513,000	1,168,000	23,617,661	340,500	154,500	240,500	709,500	1,505,500	26,568,161
Council Special Projects	1,000,000	-	-	-	-	1,000,000	-	-	-	-	-	1,000,000
<b>Total General Funds</b>	<b>12,338,341</b>	<b>10,806,120</b>	<b>3,861,600</b>	<b>1,149,100</b>	<b>1,826,400</b>	<b>29,981,561</b>	<b>1,021,900</b>	<b>859,800</b>	<b>970,470</b>	<b>1,465,000</b>	<b>2,287,400</b>	<b>36,586,131</b>
<b>Other</b>												
Outside Revenue	388,190	1,739,750	600,000	-	-	2,727,940	-	2,837,350	-	-	10,500,000	16,065,290
Interfund Loans	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Other</b>	<b>388,190</b>	<b>1,739,750</b>	<b>600,000</b>	<b>-</b>	<b>-</b>	<b>2,727,940</b>	<b>-</b>	<b>2,837,350</b>	<b>-</b>	<b>-</b>	<b>10,500,000</b>	<b>16,065,290</b>
<b>Total Expenses</b>	<b>\$ 55,632,566</b>	<b>\$ 90,485,204</b>	<b>\$ 31,265,127</b>	<b>\$ 42,103,711</b>	<b>\$ 37,755,032</b>	<b>\$ 257,241,640</b>	<b>\$ 33,276,984</b>	<b>\$ 59,395,600</b>	<b>\$ 52,855,041</b>	<b>\$ 52,900,771</b>	<b>\$ 85,640,127</b>	<b>\$ 541,310,163</b>

**2017-2026 Capital Program - General Fund Agencies**  
**By Project**

	2017	2018	2019	2020	2021	Five Year Total	2022	2023	2024	2025	2026	Ten Year Total
<b>Revenue</b>												
<b>Beginning Balance</b>	<b>\$ 52,021,740</b>	<b>\$ 50,544,350</b>	<b>\$ 41,917,142</b>	<b>\$ 47,187,698</b>	<b>\$ 55,711,122</b>	<b>52,021,740</b>	<b>\$ 57,606,100</b>	<b>\$ 69,443,348</b>	<b>\$ 73,886,495</b>	<b>\$ 75,434,515</b>	<b>\$ 74,227,155</b>	<b>52,021,740</b>
A General Fund	2,861,000	593,800	614,600	636,100	658,400	5,363,900	681,400	705,300	729,970	755,500	781,900	9,017,970 A
B TABOR	4,743,294	2,956,153	1,077,166	-	-	8,776,613	-	-	-	-	-	8,776,613 B
C Special Projects	1,522,756	1,549,413	1,584,827	1,625,566	1,662,750	7,945,312	1,705,482	1,744,524	1,789,348	1,830,342	1,877,359	16,892,367 C
D Transportation Maintenance Fee	2,470,845	2,532,122	2,595,172	2,662,647	2,731,875	12,992,661	2,802,904	2,875,780	2,950,550	3,015,462	3,081,802	27,719,159 D
E CEF	7,972,308	8,186,135	8,405,768	8,631,368	8,863,097	42,058,676	9,101,126	9,345,626	9,596,777	9,854,762	10,119,767	90,076,734 E
F Interest	224,006	315,089	282,109	505,564	815,274	2,142,042	1,045,597	1,299,213	1,362,689	1,355,172	1,223,025	8,427,738 F
G HUTF Allocated to Street Rehabilitation	2,629,746	2,694,964	2,762,068	2,833,882	2,907,563	13,828,223	2,983,160	3,060,722	3,140,301	3,209,387	3,279,994	29,501,787 G
H Conservation Trust	1,128,190	743,700	740,000	743,700	747,419	4,103,009	754,911	758,686	762,479	766,292	770,123	7,915,500 H
I Open Lands Tax	2,887,078	2,553,519	2,333,321	2,379,019	2,425,631	12,578,568	2,473,175	2,521,670	2,571,135	2,621,590	2,673,053	25,439,191 I
J Park Improvement	55,806	54,262	54,801	55,346	55,895	276,110	56,451	57,012	57,578	58,150	58,728	564,029 J
K Outside Revenue	388,190	1,739,750	600,000	-	-	2,727,940	-	2,837,350	-	-	10,500,000	16,065,290 K
L Interfund Loan Repayment	196,983	196,983	196,983	196,983	196,983	984,915	196,983	196,983	196,983	196,983	27,255	1,800,102 L
<b>Total Resources</b>	<b>\$ 79,101,942</b>	<b>\$ 74,660,240</b>	<b>\$ 63,163,957</b>	<b>\$ 67,457,872</b>	<b>\$ 76,776,010</b>	<b>\$ 164,814,794</b>	<b>\$ 79,407,288</b>	<b>\$ 94,846,215</b>	<b>\$ 97,044,305</b>	<b>\$ 99,098,155</b>	<b>108,620,161</b>	<b>\$ 294,218,220</b>
<b>Expense</b>												
<b>Infrastructure</b>												
1 ADA Transition Plan Update	200,000	-	-	-	-	200,000	-	-	-	-	-	200,000 1
2 Bike, PED, & ADA Ramp Program	664,154	-	-	-	-	664,154	-	-	-	-	-	664,154 2
3 Centennial Park Concessions	155,000	-	-	-	-	155,000	-	-	-	-	-	155,000 3
4 Community Park	-	-	-	-	-	-	-	-	800,000	9,700,000	-	10,500,000 4
5 Facilities Building Maintenance	600,800	318,800	440,800	636,100	658,400	2,654,900	601,400	480,300	343,000	755,500	781,900	5,617,000 5
6 Facilities Roof Replacement	-	275,000	173,800	-	-	448,800	80,000	225,000	386,970	-	-	1,140,770 6
7 Fairgrounds Park (Phase II)	-	82,500	750,000	-	-	832,500	-	-	-	-	-	832,500 7
8 Fire Station 10 (SE Loveland)	-	-	-	-	-	-	-	4,394,600	-	-	-	4,394,600 8
9 Fire Station 7 (W Loveland)	-	3,079,500	400,000	-	-	3,479,500	-	-	-	-	-	3,479,500 9
10 Fire Training Center Property	1,391,220	1,391,220	-	-	-	2,782,440	-	-	-	-	-	2,782,440 10
11 Fleet Building Remodel	210,200	-	-	-	-	210,200	-	-	-	-	-	210,200 11
12 Fleet Garage Expansion	-	-	-	300,000	3,200,000	3,500,000	-	-	-	-	-	3,500,000 12
13 Junior Achievement Park Redevelopment	-	-	669,200	-	-	669,200	-	-	-	-	-	669,200 13
14 Kroh Park (Phase II)	-	-	-	300,000	1,800,000	2,100,000	-	-	-	-	-	2,100,000 14
15 Lakes at Centerra Park Reimbursement	200,000	100,000	-	-	-	300,000	-	-	-	-	-	300,000 15
16 Library Expansion	35,000	-	-	-	-	35,000	-	-	-	1,000,000	4,000,000	5,035,000 16
17 Library Kiosk	214,688	-	-	-	-	214,688	-	-	-	-	-	214,688 17
18 Loveland Sports Park (Phase II)	390,000	2,745,379	-	-	-	3,135,379	-	-	-	-	-	3,135,379 18
19 Municipal Building Renovation	50,000	-	-	-	-	50,000	-	-	-	-	-	50,000 19
20 Museum Expansion	160,000	-	-	-	-	160,000	-	-	-	2,290,500	12,819,500	15,270,000 20
21 Neighborhood Parks	-	-	300,000	1,500,000	-	1,800,000	-	1,500,000	-	-	-	3,300,000 21
22 North Lake Park Improvements	-	100,000	1,000,000	-	-	1,100,000	-	-	-	-	-	1,100,000 22

**2017-2026 Capital Program - General Fund Agencies**  
**By Project**

	2017	2018	2019	2020	2021	Five Year					Ten Year		
						Total	2022	2023	2024	2025	2026	Total	
23 Open Lands Acquisition & Restoration	5,340,000	2,835,000	350,000	1,068,250	4,050,000	<b>13,643,250</b>	1,905,000	1,900,000	1,640,000	1,650,000	1,400,000	<b>22,138,250</b>	23
24 Osborn Park Pickleball Courts	325,500	-	-	-	-	<b>325,500</b>	-	-	-	-	-	<b>325,500</b>	24
25 Park Renovation Projects	100,000	300,000	-	100,000	100,000	<b>600,000</b>	-	100,000	100,000	100,000	-	<b>900,000</b>	25
26 Police High Capacity Storage	200,000	-	-	-	-	<b>200,000</b>	-	-	-	-	-	<b>200,000</b>	26
27 Police Training Facility	810,000	8,315,000	-	-	-	<b>9,125,000</b>	-	-	-	-	-	<b>9,125,000</b>	27
28 Recreation Facility	-	-	-	-	-	-	-	2,401,000	10,959,000	-	-	<b>13,360,000</b>	28
29 Recreation Trail	2,505,984	1,193,510	1,355,000	600,000	1,608,360	<b>7,262,854</b>	300,000	500,000	300,000	1,500,000	1,000,000	<b>10,862,854</b>	29
30 Sidewalk Installation (US 287)	702,000	-	-	-	-	<b>702,000</b>	-	-	-	-	-	<b>702,000</b>	30
31 Street Rehabilitation	4,720,670	4,862,290	5,008,160	5,158,400	5,313,150	<b>25,062,670</b>	5,472,540	5,636,720	5,805,820	5,980,000	6,159,400	<b>54,117,150</b>	31
32 Supplemental Bridge Repairs	1,260,000	-	-	-	-	<b>1,260,000</b>	-	-	-	-	-	<b>1,260,000</b>	32
33 Transportation - Annual Programs	740,000	760,000	730,000	710,000	670,000	<b>3,610,000</b>	875,000	745,000	775,000	845,000	775,000	<b>7,625,000</b>	33
34 Transportation - Bridge Maintenance Program	100,000	-	-	-	-	<b>100,000</b>	-	-	-	-	-	<b>100,000</b>	34
35 Transportation - Capital Projects	1,460,000	4,190,000	4,150,000	1,000,000	750,000	<b>11,550,000</b>	250,000	1,640,000	400,000	1,050,000	3,450,000	<b>18,340,000</b>	35
36 Transportation - Developer Reimbursements	409,299	569,299	649,299	374,000	259,000	<b>2,260,897</b>	210,000	157,000	100,000	-	-	<b>2,727,897</b>	36
37 US 287/US 34 Integration	250,000	-	-	-	-	<b>250,000</b>	-	-	-	-	-	<b>250,000</b>	37
38 Viestenz-Smith Mountain Park (Phase II)	225,000	1,625,600	-	-	-	<b>1,850,600</b>	-	-	-	-	-	<b>1,850,600</b>	38
39 The Foundry	3,000,000	-	-	-	-	<b>3,000,000</b>	-	-	-	-	-	<b>3,000,000</b>	39
<b>Subtotal Infrastructure</b>	<b>\$ 23,419,515</b>	<b>\$ 32,743,098</b>	<b>\$ 15,976,259</b>	<b>\$ 11,746,750</b>	<b>\$ 18,408,910</b>	<b>\$ 102,294,532</b>	<b>\$ 9,693,940</b>	<b>\$ 19,679,620</b>	<b>\$ 21,609,790</b>	<b>\$ 24,871,000</b>	<b>30,385,800</b>	<b>\$ 211,534,682</b>	
<b>Software &amp; Technology Projects</b>													
1 Police Records Management System	1,398,157	-	-	-	-	<b>1,398,157</b>	-	-	-	-	-	<b>1,398,157</b>	
<b>Sub-Total Software &amp; Technology</b>	<b>1,398,157</b>	-	-	-	-	<b>1,398,157</b>	-	-	-	-	-	<b>1,398,157</b>	
<b>New &amp; Replacement Equipment</b>													
1 Centennial Park Concessions	10,000	-	-	-	-	<b>10,000</b>	-	-	-	-	-	<b>10,000</b>	1
2 Cold Planer (Mill)	-	-	-	-	-	<b>761,000</b>	<b>761,000</b>	-	-	-	-	<b>761,000</b>	2
3 Fire Apparatus Replacement	684,920	-	-	-	-	<b>684,920</b>	-	-	-	-	-	<b>684,920</b>	3
4 Fire Station 10 (SE Loveland) New Equipment	-	-	-	-	-	-	-	<b>1,280,100</b>	-	-	-	<b>1,280,100</b>	4
5 North Lake Miniature Train Replacement	-	-	-	-	-	-	<b>270,000</b>	-	-	-	-	<b>270,000</b>	5
6 Police Vehicles & Equipment	45,000	-	-	-	-	<b>45,000</b>	-	-	-	-	-	<b>45,000</b>	6
<b>Subtotal Equipment</b>	<b>\$ 739,920</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 761,000</b>	<b>\$ 1,500,920</b>	<b>\$ 270,000</b>	<b>\$ 1,280,100</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,051,020</b>	
<b>Total</b>	<b>\$ 25,557,592</b>	<b>\$ 32,743,098</b>	<b>\$ 15,976,259</b>	<b>\$ 11,746,750</b>	<b>\$ 19,169,910</b>	<b>\$ 105,193,609</b>	<b>\$ 9,963,940</b>	<b>\$ 20,959,720</b>	<b>\$ 21,609,790</b>	<b>\$ 24,871,000</b>	<b>30,385,800</b>	<b>\$ 215,983,859</b>	
<b>Reserve for Future Capital Projects</b>	<b>\$ 53,544,350</b>	<b>\$ 41,917,142</b>	<b>\$ 47,187,698</b>	<b>\$ 55,711,122</b>	<b>\$ 57,606,100</b>	<b>\$ 59,621,185</b>	<b>\$ 69,443,348</b>	<b>\$ 73,886,495</b>	<b>\$ 75,434,515</b>	<b>\$ 74,227,155</b>	<b>78,234,361</b>	<b>\$ 78,234,361</b>	

Note: CEF funds are restricted to use, and while shown in the total bottom line, may not be able to appropriated 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 is funds available, while there will be significant ending balances in the restricted funds.

## 2017-2026 Traditionally Funded (General Fund Agencies) Capital Program

By Year

2017 Revenue Sources	General Fund			Transportation Fund (211)	Parks CEF (260)	Recreation CEF (261)	Trails CEF (262)	Open Space CEF (263)	Fire CEF (264)	Police CEF (265)	Library CEF (266)	Cultural Services CEF (267)	Gen. Govt. CEF (268)	Streets CEF (269)	Conservation Trust Fund (201)	Park Improvement Fund (200)	Larimer County Open Space Fund (202)	Outside Revenue	Interfund Loans	Total	
	TABOR Excess	Council Special Projects Fund	GF																		
A Fund Balance	20,575,303	1,579,024	-	-	3,028,217	7,200,751	657,467	1,812,457	926,735	5,105,867	1,044,833	942,689	1,272,532	2,562	3,499,956	1,308,970	3,064,377	52,021,740	A		
B Current Year	4,743,294	1,522,756	2,861,000		2,025,575	802,125	268,875	451,125	527,604	549,232	368,650	307,400	667,392	2,004,330	1,128,190	55,806	2,887,078	388,190	21,558,622	B	
C Interest on Beginning Balance					22,712	54,006	4,931	13,593	6,951	38,294	7,836	7,070	9,544	19	26,250	9,817	22,983		224,006	C	
D HUTF Revenue Allocated to Street Maintenance					2,629,746														2,629,746	D	
E Transportation Maintenance Fee					2,470,845														2,470,845	E	
F Internal Loan Repayment						28,968	28,968	28,968				28,968	28,968	28,968	23,175					196,983	F
<b>Total Resources</b>	<b>\$ 25,318,597</b>	<b>\$ 3,101,780</b>	<b>\$ 2,861,000</b>		<b>\$ 5,100,591</b>	<b>\$ 5,105,472</b>	<b>\$ 8,085,850</b>	<b>\$ 931,273</b>	<b>\$ 2,306,143</b>	<b>\$ 1,461,290</b>	<b>\$ 5,693,393</b>	<b>\$ 1,450,287</b>	<b>\$ 1,286,127</b>	<b>\$ 1,978,436</b>	<b>\$ 2,030,086</b>	<b>\$ 4,654,396</b>	<b>\$ 1,374,593</b>	<b>\$ 5,974,438</b>	<b>\$ 388,190</b>	<b>\$ 79,101,942</b>	
<b>Project Requests 2017</b>																					
1 ADA Transition Plan Update	200,000																		200,000	1	
2 Bike, PED, & ADA Ramp Program	664,154																		664,154	2	
3 Centennial Park Concessions	165,000																		165,000	3	
4 Facilities Building Maintenance		600,800																	600,800	4	
5 Fire Apparatus Replacement	684,920																		684,920	5	
6 Fire Training Center Property	795,610																		1,391,220	6	
7 Fleet Building Remodel		210,200																	210,200	7	
8 Lakes at Centerra Park Reimbursement						200,000													200,000	8	
9 Library Expansion																			35,000	9	
10 Library Kiosk																			214,688	10	
11 Loveland Sports Park (Phase II)						390,000													390,000	11	
12 Municipal Building Renovation		50,000																	50,000	12	
13 Museum Expansion																			160,000	13	
14 Open Lands Acquisition & Restoration							2,000,000												5,340,000	14	
15 Osborn Park Pickleball Courts	325,500																		325,500	15	
16 Park Renovation Projects																			100,000	16	
17 Police High Capacity Storage																			200,000	17	
18 Police Records Management System	1,398,157																		1,398,157	18	
19 Police Training Facility	405,000																		810,000	19	
20 Police Vehicles & Equipment																			45,000	20	
21 Recreation Trail						380,600													2,505,984	21	
22 Sidewalk Installation (US 287)	702,000																		702,000	22	
23 Street Rehabilitation					4,720,670														4,720,670	23	
24 Supplemental Bridge Repairs	1,260,000																		1,260,000	24	
25 Transportation - Annual Programs	202,000																		740,000	25	
26 Transportation - Bridge Maintenance Program	100,000																		100,000	26	
27 Transportation - Capital Projects	1,100,000																		1,460,000	27	
28 Transportation - Developer Reimbursements																			409,299	28	
29 US 287/US 34 Integration	250,000																		250,000	29	
30 Viestenz-Smith Mountain Park	225,000																		225,000	30	
31 The Foundry	1,000,000	2,000,000																	3,000,000	31	
<b>Total 2017 Project Costs</b>	<b>\$ 8,477,341</b>	<b>\$ 1,000,000</b>	<b>\$ 2,861,000</b>		<b>\$ 4,720,670</b>	<b>\$ 590,000</b>	<b>\$ -</b>	<b>\$ 380,600</b>	<b>\$ 2,000,000</b>	<b>\$ 595,610</b>	<b>\$ 650,000</b>	<b>\$ 249,688</b>	<b>\$ 160,000</b>	<b>\$ -</b>	<b>\$ 1,307,299</b>	<b>\$ 1,737,194</b>	<b>\$ 100,000</b>	<b>\$ 3,340,000</b>	<b>\$ 388,190</b>	<b>\$ -</b>	<b>\$ 28,557,592</b>
<b>2017 Ending Balance</b>	<b>\$ 16,841,256</b>	<b>\$ 2,101,780</b>	<b>\$ -</b>		<b>\$ 379,921</b>	<b>\$ 4,515,472</b>	<b>\$ 8,085,850</b>	<b>\$ 550,673</b>	<b>\$ 306,143</b>	<b>\$ 865,680</b>	<b>\$ 5,043,393</b>	<b>\$ 1,200,599</b>	<b>\$ 1,126,127</b>	<b>\$ 1,978,436</b>	<b>\$ 722,787</b>	<b>\$ 2,917,202</b>	<b>\$ 1,274,593</b>	<b>\$ 2,634,438</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 47,843,127</b>

## 2017-2026 Traditionally Funded (General Fund Agencies) Capital Program

By Year

2018 Revenue Sources		General Fund			Capital Program													Outside Revenue			Total
		TABOR Excess	Council Special Projects Fund	GF	Transportation Fund (211)	Parks CEF (260)	Recreation CEF (261)	Trails CEF (262)	Open Space CEF (263)	Fire CEF (264)	Police CEF (265)	Library CEF (266)	Cultural Services CEF (267)	Gen. Govt. CEF (268)	Streets CEF (269)	Conservation Trust Fund (201)	Park Improvement Fund (200)	Larimer County Open Space Fund (202)	Outside Revenue	Interfund Loans	Total
A	Fund Balance	16,841,256	2,101,780	-	379,921	4,515,472	8,085,850	550,673	306,143	865,680	5,043,393	1,200,599	1,126,127	1,978,436	722,787	2,917,202	1,274,593	2,634,438	-	-	50,544,350
B	Current Year	2,956,153	1,549,413	593,800		2,074,189	821,376	275,328	461,952	543,432	565,709	377,498	314,778	687,414	2,064,460	743,700	54,262	2,553,519	1,739,750	18,376,732	
C	Interest on Beginning Balance					45,155	80,859	8,382	3,061	8,657	50,434	12,006	11,261	19,784	7,228	29,172	12,746	26,344			315,089
D	HUTF Revenue Allocated to Street Maintenance				2,694,964																2,694,964
E	Transportation Maintenance Fee				2,532,122																2,532,122
F	Internal Loan Repayment					28,968	28,968	28,968	28,968	28,968	28,968	28,968	28,968	28,968	23,175						196,983
	<b>Total Resources</b>	<b>\$ 19,797,409</b>	<b>\$ 3,651,193</b>	<b>\$ 593,800</b>	<b>\$ 5,607,007</b>	<b>\$ 6,663,784</b>	<b>\$ 9,017,053</b>	<b>\$ 834,383</b>	<b>\$ 800,124</b>	<b>\$ 1,417,769</b>	<b>\$ 5,659,536</b>	<b>\$ 1,619,071</b>	<b>\$ 1,481,134</b>	<b>\$ 2,714,602</b>	<b>\$ 2,817,650</b>	<b>\$ 3,690,074</b>	<b>\$ 1,341,601</b>	<b>\$ 5,214,301</b>	<b>\$ 1,739,750</b>	<b>\$ -</b>	<b>\$ 74,660,240</b>
	<b>Project Requests 2018</b>																				
1	Facilities Building Maintenance			318,800																	318,800
2	Facilities Roof Replacement			275,000																	275,000
3	Fairgrounds Park (Phase II)				82,500																82,500
4	Fire Station 7 (W Loveland)			115,000																	3,079,500
5	Fire Training Center Property			1,391,220																	1,391,220
6	Lakes at Centerra Park Reimbursement				100,000																100,000
7	Loveland Sports Park (Phase II)				2,745,379																2,745,379
8	North Lake Park Improvements																100,000				100,000
9	Open Lands Acquisition & Restoration																				2,835,000
10	Park Renovation Projects																	300,000			300,000
11	Police Training Facility			3,007,500																	8,315,000
12	Police Vehicles & Equipment																				-
13	Recreation Trail																				1,193,510
14	Street Rehabilitation																				4,862,290
15	Transportation - Annual Programs			313,000																	760,000
16	Transportation - Capital Projects			3,760,000																	4,190,000
17	Transportation - Developer Reimbursements																				569,299
18	Viestenz-Smith Mountain Park			1,625,600																	1,625,600
	<b>Total 2018 Project Costs</b>	<b>\$ 10,212,320</b>	<b>\$ -</b>	<b>\$ 593,800</b>	<b>\$ 4,862,290</b>	<b>\$ 2,927,879</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ 1,224,750</b>	<b>\$ 5,307,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,446,299</b>	<b>\$ 1,293,510</b>	<b>\$ 300,000</b>	<b>\$ 2,735,000</b>	<b>\$ 1,739,750</b>	<b>\$ -</b>	<b>\$ 32,743,098</b>	
	<b>2018 Ending Balance</b>	<b>\$ 9,585,089</b>	<b>\$ 3,651,193</b>	<b>\$ -</b>	<b>\$ 744,717</b>	<b>\$ 3,735,905</b>	<b>\$ 9,017,053</b>	<b>\$ 834,383</b>	<b>\$ 700,124</b>	<b>\$ 193,019</b>	<b>\$ 352,036</b>	<b>\$ 1,619,071</b>	<b>\$ 1,481,134</b>	<b>\$ 2,714,602</b>	<b>\$ 1,371,351</b>	<b>\$ 2,396,564</b>	<b>\$ 1,041,601</b>	<b>\$ 2,479,301</b>	<b>\$ -</b>	<b>\$ 37,831,189</b>	

2019 Revenue Sources		General Fund			Capital Program													Outside Revenue			Total
		TABOR Excess	Council Special Projects Fund	GF	Transportation Fund (211)	Parks CEF (260)	Recreation CEF (261)	Trails CEF (262)	Open Space CEF (263)	Fire CEF (264)	Police CEF (265)	Library CEF (266)	Cultural Services CEF (267)	Gen. Govt. CEF (268)	Streets CEF (269)	Conservation Trust Fund (201)	Park Improvement Fund (200)	Larimer County Open Space Fund (202)	Outside Revenue	Interfund Loans	Total
A	Fund Balance	9,585,089	3,651,193	-	744,717	3,735,905	9,017,053	834,383	700,124	193,019	352,036	1,619,071	1,481,134	2,714,602	1,371,351	2,396,564	1,041,601	2,479,301	-	-	41,917,142
B	Current Year	1,077,166	1,584,827	614,600		2,123,969	841,089	281,936	473,039	559,735	582,680	386,558	322,332	708,036	2,126,394	740,000	54,801	2,333,321	600,000	15,410,483	
C	Interest on Beginning Balance					37,359	90,171	11,091	7,001	1,930	3,520	16,191	14,811	27,146	13,714	23,966	10,416	24,793			282,109
D	HUTF Revenue Allocated to Street Maintenance				2,762,068																2,762,068
E	Transportation Maintenance Fee				2,595,172																2,595,172
F	Internal Loan Repayment					28,968	28,968	28,968	28,968	28,968	28,968	28,968	28,968	28,968	23,175						196,983
	<b>Total Resources</b>	<b>\$ 10,662,255</b>	<b>\$ 5,236,020</b>	<b>\$ 614,600</b>	<b>\$ 6,101,957</b>	<b>\$ 5,926,201</b>	<b>\$ 9,977,281</b>	<b>\$ 1,127,410</b>	<b>\$ 1,209,132</b>	<b>\$ 75</b>											

2017-2026 Traditionally Funded (General Fund Agencies) Capital Program

## By Year

2020 Revenue Sources	General Fund			Transportation Fund (211)	Parks CEF (260)	Recreation CEF (261)	Trails CEF (262)	Open Space CEF (263)	Fire CEF (264)	Police CEF (265)	Library CEF (266)	Cultural Services CEF (267)	Gen. Govt. CEF (268)	Streets CEF (269)	Conservation Trust Fund (201)	Park Improvement Fund (200)	Larimer County Open Space Fund (202)	Outside Revenue	Interfund Loans	Total
	TABOR Excess	Council Special Projects Fund	GF																	
Fund Balance	7,415,255	5,236,020	-	1,093,797	4,626,201	9,977,281	1,127,410	1,209,132	354,684	938,236	2,050,787	1,847,245	3,478,752	752,335	1,905,530	687,618	4,487,415	-	-	47,187,698
Current Year	-	1,625,566	636,100		2,174,945	861,275	288,702	484,392	576,527	600,161	395,835	330,068	729,277	2,190,186	743,700	55,346	2,379,019			14,071,099
Interest on Beginning Balance					69,393	149,659	20,836	18,137	5,320	14,074	30,762	27,709	52,181	11,285	28,583	10,314	67,311			505,564
HUTF Revenue Allocated to Street Maintenance					2,833,882															2,833,882
Transportation Maintenance Fee					2,662,647															2,662,647
Internal Loan Repayment						28,968	28,968	28,968			28,968	28,968	28,968	23,175						196,983
<b>Total Resources</b>	<b>\$ 7,415,255</b>	<b>\$ 6,861,586</b>	<b>\$ 636,100</b>	<b>\$ 6,590,326</b>	<b>\$ 6,899,507</b>	<b>\$ 11,017,183</b>	<b>\$ 1,436,948</b>	<b>\$ 1,740,629</b>	<b>\$ 936,531</b>	<b>\$ 1,552,471</b>	<b>\$ 2,506,352</b>	<b>\$ 2,233,990</b>	<b>\$ 4,289,178</b>	<b>\$ 2,976,980</b>	<b>\$ 2,677,813</b>	<b>\$ 753,278</b>	<b>\$ 6,933,745</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 67,457,872</b>
<b>Project Requests 2020</b>																				
Facilities Building Maintenance				636,100																636,100
Fleet Garage Expansion																				300,000
Kroh Park (Phase II)						300,000														300,000
Neighborhood Parks							1,500,000													1,500,000
Open Lands Acquisition & Restoration								843,250												1,068,250
Park Renovation Projects																				100,000
Recreation Trail								300,000												600,000
Street Rehabilitation					5,158,400															5,158,400
Transportation - Annual Programs		313,000																		710,000
Transportation - Capital Projects		200,000																		1,000,000
Transportation - Developer Reimbursements																				374,000
<b>Total 2020 Project Costs</b>	<b>\$ 513,000</b>	<b>\$ -</b>	<b>\$ 636,100</b>	<b>\$ 5,158,400</b>	<b>\$ 1,800,000</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ 843,250</b>	<b>\$ -</b>	<b>\$ 1,552,471</b>	<b>\$ 2,506,352</b>	<b>\$ 2,233,990</b>	<b>\$ 3,989,178</b>	<b>\$ 1,405,980</b>	<b>\$ 2,377,813</b>	<b>\$ 653,278</b>	<b>\$ 6,708,745</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 11,746,750</b>
<b>2020 Ending Balance</b>	<b>\$ 6,902,255</b>	<b>\$ 6,861,586</b>	<b>\$ -</b>	<b>\$ 1,431,926</b>	<b>\$ 5,099,507</b>	<b>\$ 11,017,183</b>	<b>\$ 1,136,948</b>	<b>\$ 897,379</b>	<b>\$ 936,531</b>	<b>\$ 1,552,471</b>	<b>\$ 2,506,352</b>	<b>\$ 2,233,990</b>	<b>\$ 3,989,178</b>	<b>\$ 1,405,980</b>	<b>\$ 2,377,813</b>	<b>\$ 653,278</b>	<b>\$ 6,708,745</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,315,964</b>

2021 Revenue Sources	General Fund			Transportation Fund (211)	Parks CEF (260)	Recreation CEF (261)	Trails CEF (262)	Open Space CEF (263)	Fire CEF (264)	Police CEF (265)	Library CEF (266)	Cultural Services CEF (267)	Gen. Govt. CEF (268)	Streets CEF (269)	Conservation Trust Fund (201)	Park Improvement Fund (200)	Larimer County Open Space Fund (202)	Outside Revenue	Interfold Loans	Total	
	TABOR Excess	Council Special Projects Fund	GF																		
Fund Balance	6,902,255	6,861,586	-	1,431,926	5,099,507	11,017,183	1,136,948	897,379	936,531	1,552,471	2,506,352	2,233,990	3,989,178	1,405,980	2,377,813	653,278	6,708,745	-	-	55,711,122	
Current Year	-	1,662,750	658,400		2,227,143	881,946	295,631	496,017	593,823	618,165	405,335	337,990	751,156	2,255,891	747,419	55,895	2,425,631			14,413,192	
Interest on Beginning Balance					101,990	220,344	27,704	17,948	18,731	31,049	50,127	44,680	79,784	28,120	47,556	13,066	134,175			815,274	
HUTF Revenue Allocated to Street Maintenance					2,907,563															2,907,563	
Transportation Maintenance Fee					2,731,875															2,731,875	
Internal Loan Repayment						28,968	28,968	28,968		28,968	28,968	28,968	28,968	23,175						196,983	
<b>Total Resources</b>	<b>\$ 6,902,255</b>	<b>\$ 8,524,336</b>	<b>\$ 658,400</b>	<b>\$ 7,071,364</b>	<b>\$ 7,457,608</b>	<b>\$ 12,148,441</b>	<b>\$ 1,460,283</b>	<b>\$ 1,440,312</b>	<b>\$ 1,549,085</b>	<b>\$ 2,201,685</b>	<b>\$ 2,990,782</b>	<b>\$ 2,645,628</b>	<b>\$ 4,849,086</b>	<b>\$ 3,713,166</b>	<b>\$ 3,172,788</b>	<b>\$ 722,239</b>	<b>\$ 9,268,551</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 76,776,010</b>	
<b>Project Requests 2021</b>																					
Cold Planner (Mill)		761,000																		761,000	
Facilities Building Maintenance			658,400																	658,400	
Fleet Garage Expansion																				3,200,000	
Kroh Park (Phase II)						1,800,000														1,800,000	
Open Lands Acquisition & Restoration								225,000												4,050,000	
Park Renovation Projects																				100,000	
Recreation Trail							300,000													1,608,360	
Street Rehabilitation				5,313,150																5,313,150	
Transportation - Annual Programs	307,000																			670,000	
Transportation - Capital Projects	100,000																			750,000	
Transportation - Developer Reimbursements																				259,000	
<b>Total 2021 Project Costs</b>	<b>\$ 1,168,000</b>	<b>\$ -</b>	<b>\$ 658,400</b>	<b>\$ 5,313,150</b>	<b>\$ 1,800,000</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ 225,000</b>	<b>\$ -</b>	<b>\$ 1,549,085</b>	<b>\$ 2,201,685</b>	<b>\$ 2,990,782</b>	<b>\$ 2,645,628</b>	<b>\$ 1,649,086</b>	<b>\$ 3,200,000</b>	<b>\$ 1,272,000</b>	<b>\$ 1,308,360</b>	<b>\$ 100,000</b>	<b>\$ 3,825,000</b>	<b>\$ -</b>	<b>\$ 19,169,910</b>
<b>2021 Ending Balance</b>	<b>\$ 5,734,255</b>	<b>\$ 8,524,336</b>	<b>\$ -</b>	<b>\$ 1,758,214</b>	<b>\$ 5,657,608</b>	<b>\$ 12,148,441</b>	<b>\$ 1,160,283</b>	<b>\$ 1,215,312</b>	<b>\$ 1,549,085</b>	<b>\$ 2,201,685</b>	<b>\$ 2,990,782</b>	<b>\$ 2,645,628</b>	<b>\$ 1,649,086</b>	<b>\$ 2,441,166</b>	<b>\$ 1,864,428</b>	<b>\$ 622,239</b>	<b>\$ 5,443,551</b>	<b>\$ -</b>	<b>\$ 53,515,848</b>		

## 2017-2026 Traditionally Funded (General Fund Agencies) Capital Program

By Year

2022 Revenue Sources		General Fund			Capital Expenditures													Conservation			Park Improvement		Larimer County		Outside Revenue		Interfund Loans		Total
		TABOR Excess	Council Special Projects Fund	GF	Transportation Fund (211)	Parks CEF (260)	Recreation CEF (261)	Trails CEF (262)	Open Space CEF (263)	Fire CEF (264)	Police CEF (265)	Library CEF (266)	Cultural Services CEF (267)	Gen. Govt. CEF (268)	Streets CEF (269)	Conservation Trust Fund (201)	Park Improvement Fund (200)	Larimer County Open Space Fund (202)	Outside Revenue	Interfund Loans									
A	Fund Balance	5,734,255	8,524,336	-	1,758,214	5,657,608	12,148,441	1,160,283	1,215,312	1,549,085	2,201,685	2,990,782	2,645,628	1,649,086	2,441,166	1,864,428	622,239	5,443,551	-	-					57,606,100	A			
B	Current Year	-	1,705,482	681,400		2,280,595	903,112	302,726	507,922	611,638	636,710	415,063	346,102	773,690	2,323,568	754,911	56,451	2,473,175							14,772,545	B			
C	Interest on Beginning Balance					141,440	303,711	34,871	30,383	38,727	55,042	74,770	66,141	41,227	61,029	46,611	15,556	136,089							1,045,597	C			
D	HUTF Revenue Allocated to Street Maintenance				2,983,160																				2,983,160	D			
E	Transportation Maintenance Fee				2,802,904																				2,802,904	E			
F	Internal Loan Repayment					28,968	28,968	28,968	28,968	28,968	28,968	28,968	28,968	28,968	23,175									196,983	F				
	<b>Total Resources</b>	<b>\$ 5,734,255</b>	<b>\$ 10,229,818</b>	<b>\$ 681,400</b>	<b>\$ 7,544,278</b>	<b>\$ 8,108,611</b>	<b>\$ 13,384,232</b>	<b>\$ 1,497,881</b>	<b>\$ 1,782,584</b>	<b>\$ 2,199,450</b>	<b>\$ 2,893,438</b>	<b>\$ 3,509,583</b>	<b>\$ 3,086,839</b>	<b>\$ 2,492,971</b>	<b>\$ 4,848,938</b>	<b>\$ 2,665,950</b>	<b>\$ 694,246</b>	<b>\$ 8,052,815</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 79,407,288</b>					
	<b>Project Requests 2022</b>																												
1	Facilities Building Maintenance				601,400																				601,400	1			
2	Facilities Roof Replacement				80,000																				80,000	2			
3	North Lake Miniature Train Replacement																	270,000							270,000	3			
4	Open Lands Acquisition & Restoration																		1,405,000							1,905,000	4		
5	Recreation Trail																									300,000	5		
6	Street Rehabilitation				5,472,540																				5,472,540	6			
7	Transportation - Annual Programs				340,500													534,500							875,000	7			
8	Transportation - Capital Projects																	250,000							250,000	8			
9	Transportation - Developer Reimbursements																	210,000							210,000	9			
	<b>Total 2022 Project Costs</b>	<b>\$ 340,500</b>	<b>\$ -</b>	<b>\$ 681,400</b>	<b>\$ 5,472,540</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 994,500</b>	<b>\$ -</b>	<b>\$ 270,000</b>	<b>\$ 1,405,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 9,963,940</b>					
	<b>2022 Ending Balance</b>	<b>\$ 5,393,755</b>	<b>\$ 10,229,818</b>	<b>\$ -</b>	<b>\$ 2,071,738</b>	<b>\$ 8,108,611</b>	<b>\$ 13,384,232</b>	<b>\$ 1,197,881</b>	<b>\$ 1,282,584</b>	<b>\$ 2,199,450</b>	<b>\$ 2,893,438</b>	<b>\$ 3,509,583</b>	<b>\$ 3,086,839</b>	<b>\$ 2,492,971</b>	<b>\$ 3,854,438</b>	<b>\$ 2,665,950</b>	<b>\$ 424,246</b>	<b>\$ 6,647,815</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 63,095,940</b>					

2023 Revenue Sources		General Fund			Capital Expenditures													Conservation			Park Improvement		Larimer County		Outside Revenue		Interfund Loans		Total
		TABOR Excess	Council Special Projects Fund	GF	Transportation Fund (211)	Parks CEF (260)	Recreation CEF (261)	Trails CEF (262)	Open Space CEF (263)	Fire CEF (264)	Police CEF (265)	Library CEF (266)	Cultural Services CEF (267)	Gen. Govt. CEF (268)	Streets CEF (269)	Conservation Trust Fund (201)	Park Improvement Fund (200)	Larimer County Open Space Fund (202)	Outside Revenue	Interfund Loans									
A	Fund Balance	5,393,755	10,229,818	-	2,071,738	8,108,611	13,384,232	1,197,881	1,282,584	2,199,450	2,893,438	3,509,583	3,086,839	2,492,971	3,854,438	2,665,950	424,246	6,647,815	-	-					69,443,348	A			
B	Current Year	-	1,744,524	705,300		2,335,329	924,787	309,992	520,112	629,987	655,812	425,025	354,408	796,901	2,393,275	758,686	57,012	2,521,670	2,837,350							17,970,168	B		
C	Interest on Beginning Balance					202,715	334,606	35,459	32,065	54,986	72,336	87,740	77,171	62,324	96,361	66,649	10,606	166,195							1,299,213	C			
D	HUTF Revenue Allocated to Street Maintenance				3,060,722																				3,060,722	D			
E	Transportation Maintenance Fee				2,875,780																				2,875,780	E			
F	Internal Loan Repayment					28,968	28,968	28,968	28,968	28,968	28,968	28,968	28,968	28,968	23,175									196,983	F				
	<b>Total Resources</b>	<b>\$ 5,393,755</b>	<b>\$ 11,974,342</b>	<b>\$ 705,300</b>	<b>\$ 8,008,240</b>	<b>\$ 10,675,623</b>	<b>\$ 14,672,594</b>	<b>\$ 1,543,332</b>	<b>\$ 1,863,729</b>	<b>\$ 2,884,423</b>	<b>\$ 3,621,585</b>	<b>\$ 4,051,316</b>	<b>\$ 3,547,386</b>	<b>\$ 3,381,164</b>	<b>\$ 6,367,249</b>	<b>\$ 3,491,285</b>	<b>\$ 4</b>												

## 2017-2026 Traditionally Funded (General Fund Agencies) Capital Program

By Year

2024 Revenue Sources		General Fund			Capital Program Expenditures													Larimer County			Outside Revenue	Interfund Loans	Total
		TABOR Excess	Council Special Projects Fund	GF	Transportation Fund (211)	Parks CEF (260)	Recreation CEF (261)	Trails CEF (262)	Open Space CEF (263)	Fire CEF (264)	Police CEF (265)	Library CEF (266)	Cultural Services CEF (267)	Gen. Govt. CEF (268)	Streets CEF (269)	Conservation Trust Fund (201)	Park Improvement Fund (200)	Open Space Fund (202)	Outside Revenue	Interfund Loans			
A	Fund Balance	5,239,255	11,974,342	-	2,371,520	9,175,623	12,271,594	1,043,332	1,463,729	47,073	3,621,585	4,051,316	3,547,386	3,381,164	3,979,749	3,491,285	391,864	7,835,680	-	-	73,886,495	A	
B	Current Year	-	1,789,348	729,970		2,391,377	946,982	317,432	532,594	648,886	675,486	435,225	362,914	820,808	2,465,073	762,479	57,578	2,571,135	15,507,287	B			
C	Interest on Beginning Balance					229,391	306,790	31,236	36,593	1,177	90,540	101,283	88,685	84,529	99,494	87,282	9,797	195,892			1,362,689	C	
D	HUTF Revenue Allocated to Street Maintenance				3,140,301																3,140,301	D	
E	Transportation Maintenance Fee				2,950,550																2,950,550	E	
F	Internal Loan Repayment					28,968	28,968	28,968	28,968	28,968	28,968	28,968	28,968	28,968	23,175					196,983	F		
	<b>Total Resources</b>	<b>\$ 5,239,255</b>	<b>\$ 13,763,690</b>	<b>\$ 729,970</b>	<b>\$ 8,462,371</b>	<b>\$ 11,825,359</b>	<b>\$ 13,554,334</b>	<b>\$ 1,391,999</b>	<b>\$ 2,061,885</b>	<b>\$ 697,136</b>	<b>\$ 4,387,612</b>	<b>\$ 4,616,792</b>	<b>\$ 4,027,953</b>	<b>\$ 4,315,469</b>	<b>\$ 6,567,491</b>	<b>\$ 4,341,046</b>	<b>\$ 459,239</b>	<b>\$ 10,602,707</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 97,044,305</b>		
	<b>Project Requests 2024</b>																						
1	Community Park					800,000															800,000	1	
2	Facilities Building Maintenance			343,000																	343,000	2	
3	Facilities Roof Replacement			386,970																	386,970	3	
4	Open Lands Acquisition & Restoration					450,000															1,190,000	4	
5	Park Renovation Projects																				100,000	5	
6	Recreation Facility					10,959,000															10,959,000	6	
7	Recreation Trail						300,000														300,000	7	
8	Street Rehabilitation			5,805,820																	5,805,820	8	
9	Transportation - Annual Programs	160,500																			775,000	9	
10	Transportation - Capital Projects	80,000																			400,000	10	
11	Transportation - Developer Reimbursements																				100,000	11	
	<b>Total 2024 Project Costs</b>	<b>\$ 240,500</b>	<b>\$ -</b>	<b>\$ 729,970</b>	<b>\$ 5,805,820</b>	<b>\$ 800,000</b>	<b>\$ 10,959,000</b>	<b>\$ 300,000</b>	<b>\$ 450,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,034,500</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ 1,190,000</b>	<b>\$ -</b>	<b>\$ 21,609,790</b>		
	<b>2024 Ending Balance</b>	<b>\$ 4,998,755</b>	<b>\$ 13,763,690</b>	<b>\$ -</b>	<b>\$ 2,656,551</b>	<b>\$ 11,025,359</b>	<b>\$ 2,595,334</b>	<b>\$ 1,091,999</b>	<b>\$ 1,611,885</b>	<b>\$ 697,136</b>	<b>\$ 4,387,612</b>	<b>\$ 4,616,792</b>	<b>\$ 4,027,953</b>	<b>\$ 4,315,469</b>	<b>\$ 5,532,991</b>	<b>\$ 4,341,046</b>	<b>\$ 359,239</b>	<b>\$ 9,412,707</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 65,586,056</b>		

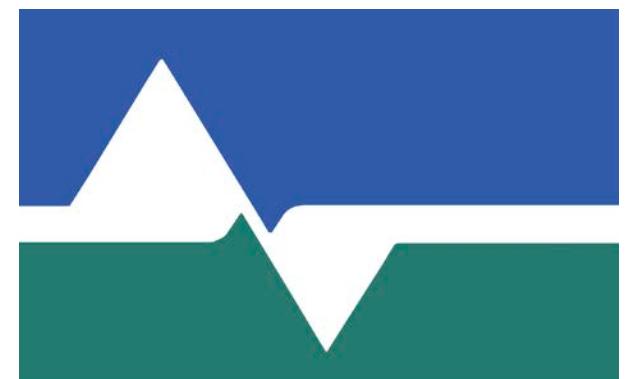
2025 Revenue Sources		General Fund			Capital Program Expenditures													Larimer County			Outside Revenue	Interfund Loans	Total
		TABOR Excess	Council Special Projects Fund	GF	Transportation Fund (211)	Parks CEF (260)	Recreation CEF (261)	Trails CEF (262)	Open Space CEF (263)	Fire CEF (264)	Police CEF (265)	Library CEF (266)	Cultural Services CEF (267)	Gen. Govt. CEF (268)	Streets CEF (269)	Conservation Trust Fund (201)	Park Improvement Fund (200)	Open Space Fund (202)	Outside Revenue	Interfund Loans			
A	Fund Balance	4,998,755	13,763,690	-	2,656,551	11,025,359	2,595,334	1,091,999	1,611,885	697,136	4,387,612	4,616,792	4,027,953	4,315,469	5,532,991	4,341,046	359,239	9,412,707	-	-	75,434,515	A	
B	Current Year	-	1,830,342	755,500		2,448,770	969,710	325,050	545,377	668,353	695,751	445,671	371,624	845,432	2,539,025	766,292	58,150	2,621,590	15,886,636	B			
C	Interest on Beginning Balance					275,634	64,883	32,084	40,297	17,428	109,690	115,420	100,699	107,887	138,325	108,526	8,981	235,318			1,355,172	C	
D	HUTF Revenue Allocated to Street Maintenance			3,209,387																	3,209,387	D	
E	Transportation Maintenance Fee			3,015,462		28,968	28,968	28,968	28,968	28,968	28,968	28,968	28,968	28,968	23,175						3,015,462	E	
F	Internal Loan Repayment				5,980,000																196,983	F	
	<b>Total Resources</b>	<b>\$ 4,998,755</b>	<b>\$ 15,594,032</b>	<b>\$ 755,500</b>	<b>\$ 8,881,400</b>	<b>\$ 13,778,730</b>	<b>\$ 3,658,894</b>	<b>\$ 1,449,133</b>	<b>\$ 2,226,526</b>	<b>\$ 1,382,917</b>	<b>\$ 5,193,052</b>	<b>\$ 5,206,850</b>	<b>\$ 4,529,243</b>	<b>\$ 5,297,756</b>	<b>\$ 8,233,516</b>	<b>\$ 5,215,864</b>	<b>\$ 426,370</b>	<b>\$ 12,269,615</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 99,098,155</b>		
	<b>Project Requests 2025</b>					9,700,000															9,700,000	1	
1	Community Park																				755,500	2	
2	Facilities Building Maintenance			755,500																	1,000,000	3	
3	Library Expansion																						

## 2017-2026 Traditionally Funded (General Fund Agencies) Capital Program

### By Year

2026 Revenue Sources		General Fund			Capital Expenditures												Other Revenues			Total	
		TABOR Excess	Council Special Projects Fund	GF	Transportation Fund (211)	Parks CEF (260)	Recreation CEF (261)	Trails CEF (262)	Open Space CEF (263)	Fire CEF (264)	Police CEF (265)	Library CEF (266)	Cultural Services CEF (267)	Gen. Govt. CEF (268)	Streets CEF (269)	Conservation Trust Fund (201)	Park Improvement Fund (200)	Larimer County Open Space Fund (202)	Outside Revenue	Interfund Loans	Total
A	Fund Balance	4,289,255	15,594,032	-	2,901,400	4,078,730	3,658,894	1,049,133	1,826,526	1,382,917	5,193,052	4,206,850	2,238,743	5,297,756	7,048,016	4,115,864	326,370	11,019,615	-	-	74,227,155 A
B	Current Year	-	1,877,359	781,900		2,507,540	992,983	332,851	558,466	688,404	716,623	456,367	380,543	870,795	2,615,196	770,123	58,728	2,673,053	10,500,000	26,780,930 B	
C	Interest on Beginning Balance					101,968	91,472	30,636	45,663	34,573	129,826	105,171	55,969	132,444	176,200	35,454	8,159	275,490			1,223,025 C
D	HUTF Revenue Allocated to Street Maintenance				3,279,994															3,279,994 D	
E	Transportation Maintenance Fee				3,081,802															3,081,802 E	
F	Internal Loan Repayment					4,008	4,008	4,008					4,008	4,008	4,008	3,207					27,255 F
<b>Total Resources</b>		\$ 4,289,255	\$ 17,471,391	\$ 781,900	\$ 9,263,196	\$ 6,692,247	\$ 4,747,357	\$ 1,412,620	\$ 2,434,663	\$ 2,105,894	\$ 6,039,501	\$ 4,772,396	\$ 2,679,263	\$ 6,305,003	\$ 9,842,619	\$ 4,921,441	\$ 393,257	\$ 13,968,158	\$ 10,500,000	\$ -	\$ 108,620,161
<b>Project Requests 2026</b>																					
1	Facilities Building Maintenance			781,900																781,900 1	
2	Library Expansion																			4,000,000 2	
3	Museum Expansion																			12,819,500 3	
4	Open Lands Acquisition & Restoration																			1,400,000 4	
5	Recreation Trail																			1,000,000 5	
6	Street Rehabilitation				6,159,400															6,159,400 6	
7	Transportation - Annual Programs	320,500																		775,000 7	
8	Transportation - Capital Projects	1,185,000																		3,450,000 8	
<b>Total 2026 Project Costs</b>		\$ 1,505,500	\$ -	\$ 781,900	\$ 6,159,400	\$ -	\$ -	\$ -	\$ 400,000	\$ -	\$ 6,039,501	\$ 4,000,000	\$ 2,319,500	\$ -	\$ 2,719,500	\$ 1,000,000	\$ -	\$ 1,000,000	\$ 10,500,000	\$ -	\$ 30,385,800
<b>2026 Ending Balance</b>		\$ 2,783,755	\$ 17,471,391	\$ -	\$ 3,103,796	\$ 6,692,247	\$ 4,747,357	\$ 1,412,620	\$ 2,034,663	\$ 2,105,894	\$ 6,039,501	\$ 772,396	\$ 359,763	\$ 6,305,003	\$ 7,123,119	\$ 3,921,441	\$ 393,257	\$ 12,968,158	\$ -	\$ 64,806,239	
<b>10-Year Total</b>		\$ 26,568,161	\$ 1,000,000	\$ 9,017,970	\$ 54,117,150	\$ 20,417,879	\$ 13,360,000	\$ 2,480,600	\$ 5,318,250	\$ 5,057,710	\$ 5,957,500	\$ 5,249,688	\$ 4,770,000	\$ 3,500,000	\$ 16,700,397	\$ 7,994,064	\$ 1,589,200	\$ 16,820,000	\$ 16,065,290	\$ -	\$ 215,983,859

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**City of Loveland**

# ADA Transition Plan Update

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Parks / Recreation

Project Manager:  
Keven Aggers

Phone Number:  
970.962.2449

Email:  
Keven.Aggers@  
cityofloveland.org

Project Category:  
Planning

Project Code:  
TBD

Duration:  
2017

\*\*\*\*\*

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

## About the Project

This scope of this project includes the update of the 1998 Americans with Disabilities Act (ADA) Transitional Plan for Parks and Recreation facilities and sites to evaluate conformance to Federal mandates set forth in the ADA. Deficits were identified in the park system as part of the Parks and Recreation 2014 Master Plan that need to be addressed. All new sites are developed utilizing the most recent standards, however, many older facilities (i.e. restrooms, neighborhood parks, etc.) do not meet the mandated design standards. 2017 projects include Seven Lakes Park restroom renovation to meet ADA standards/compliance.



Funding Sources		
Revenue	TABOR Excess	Total
2017	200,000	200,000
<b>Total</b>	<b>\$200,000</b>	<b>\$200,000</b>

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

# Bike, PED, and ADA Ramp Program

\*\*\*\*\*

Department:

*Public Works*

Division:

Project Engineering

Project Manager:

Mike Jacobson

Phone Number:

970.962.2642

Email:

Mike.Jacobson@  
cityofloveland.org

Project Category:

*Planning / Construction*

Project Code:

TBD

Duration:

2017

\*\*\*\*\*

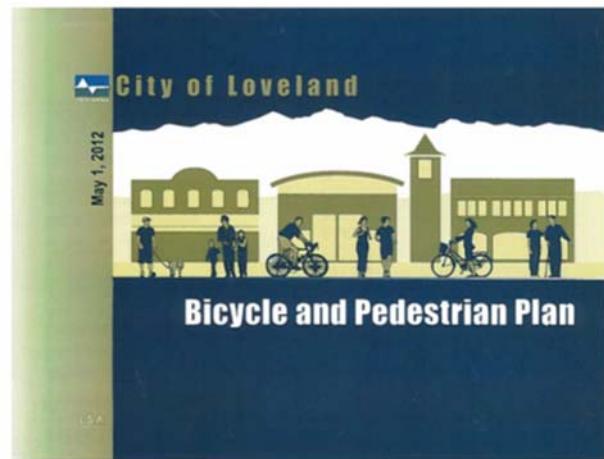
**Total Project  
Cost:  
\$664,154**

## About the Project

The City's Bicycle and Pedestrian Plan addresses known gaps in bicycle and sidewalk connectivity.

The Plan specifies, from highest evaluated need, the construction order of the top 300 gaps of the total 2,500 identified. The estimated construction cost in 2012 when the Plan was adopted ranged from a low of \$7 million

to a high of \$14 million. Also included in this program are projects to address the 3,000 ADA ramps at various City intersections that fail to meet minimum ADA requirements. Each year the next phase of bicycle, pedestrian and ADA ramp projects is determined considering priorities as included in the applicable plan documents and funding provided by this allocation.



Funding Sources		
Elements	TABOR Excess	Total
2017	664,154	664,154
<b>Total</b>	<b>\$664,154</b>	<b>\$664,154</b>

Project Cost Estimates by Year				
	Design/ Planning	Construction	Equipment	Total
2017	20,000	584,154	60,000	664,154
<b>Total</b>	<b>\$20,000</b>	<b>\$584,154</b>	<b>\$60,000</b>	<b>\$664,154</b>

Estimated Initial Operations Impact			
	Personnel	Total	FTE
2017	75,846	75,846	1.0
<b>Total</b>	<b>\$75,846</b>	<b>\$75,846</b>	<b>1.0</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 Code:  
TBD

Duration:  
2017

\*\*\*\*\*

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

## About the Project

When the renovation of Centennial Park was completed in 2005, a shortage of funds caused the permanent concession stand to be removed from the original project scope. While the portable trailer has provided a reasonable service solution, there is a need for a permanent solution for this service.



This project would renovate the existing office/umpire's space into a concession stand and add 500 square feet of office/storage space to the north end of the building. This renovation will eliminate the use of one concessions trailer that currently does not meet the demand for service during busy evening and weekend events. Additionally, this will eliminate approximately \$1,000 in maintenance on the 12 year old trailer and associated equipment as well as eliminate the need to replace the trailer in the future.

- Assumes \$15,000 for design; \$300/square foot, demolition, renovation, construction, and miscellaneous equipment.
- Most operating equipment can be moved from the closed Kroh Park stand. Operation will continue as a private contract resulting in net revenue (\$3,000—\$5,000 per year) with no additional impact to the operating budget.
- \$37,000 exists in the depreciation schedule for 2017 for existing trailers and could be redirected for equipment replacement related to this project in lieu of purchasing a new trailer.

Funding Sources		
Revenue	TABOR Excess	Total
2017	165,000	165,000
<b>Total</b>	<b>\$165,000</b>	<b>\$165,000</b>

Project Cost Estimates by Year				
Elements	Planning	Construction	Equipment	Total
2017	15,000	140,000	10,000	165,000
<b>Total</b>	<b>\$15,000</b>	<b>\$140,000</b>	<b>\$10,000</b>	<b>\$165,000</b>

# Cold Planer (Mill) Replacement

\*\*\*\*\*

Department:

*Public Works*

Division:

Street Maintenance

Project Manager:

Mick Mercer

Phone Number:

970.962.2530

Email:

[Mick.Mercer@  
cityofloveland.org](mailto:Mick.Mercer@cityofloveland.org)

Project Category:

Equipment Replacement

Project Code:

NA

Duration:

2017-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$761,000**

## About the Project

Funding to replace specialized road maintenance equipment exceeding \$250,000 capital cost. A cold planer removes part or all of the surface of a paved area (road, bridge, parking lot) and enables recycling of the road surface—reclaimed asphalt can be recycled into the



new pavement mix and is used in Loveland as road base on non-paved alley ways and road shoulders. Milling is also used to profile uneven or rough roadway surfaces to provide a smoother ride (railroad crossings). The existing Cold Planer was purchased in 2011 and has a 10 year life expectancy, making it due for replacement in 2021. The cold planer would be used on City streets (vs. state highways) for maintenance activities 99% of the time and is therefore eligible to be replaced with TABOR Excess revenue.

Funding Sources		
Elements	TABOR Excess	Total
2021	761,000	761,000
<b>Total</b>	<b>\$761,000</b>	<b>\$761,000</b>

Project Cost Estimate by Year		
Elements	Equipment	Total
2021	761,000	761,000
<b>Total</b>	<b>\$761,000</b>	<b>\$761,000</b>

# Community Park

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Parks

Project Manager:  
Larry Callihan

Phone Number:  
970.962.2547

Email:  
Larry.Callihan@  
cityofloveland.org

Project Category:  
Planning / Construction

Project Code:  
TBD

Duration:  
2024 - 2025

\*\*\*\*\*

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

## About the Project

The Parks and Recreation 2014 Master Plan identifies the need for land acquisition and development of a community park to maintain service levels. There is a developed park standard of 5.75 acres per 1,000 population, which includes neighborhood parks, community parks, and civic spaces.



The need for a new community park has been identified in the northwest quadrant of the community. Funds have been allocated within the cash flow analysis of Park Capital Expansion Fee (CEF) Fund to purchase and develop a community park in an underserved area of the city. This request includes land and water acquisition, as well as design and development of Phase I of a 60-75 acre community park. Phase I is assumed to be 60 acres of development.

Funding Sources		
	Parks CEF	Total
2024	800,000	800,000
2025	9,700,000	9,700,000
<b>Total</b>	<b>\$10,500,000</b>	<b>\$10,500,000</b>

Project Cost Estimates by Year			
Elements	Planning/ Design	Construction	Total
2024	800,000	-	800,000
2025	-	9,700,000	9,700,000
<b>Total</b>	<b>\$800,000</b>	<b>\$9,700,000</b>	<b>\$10,500,000</b>

Estimated Initial Operations Impact						
	Personnel	Supplies	Other Services	Equip/ Capital	Total	FTE
2026	285,600	48,960	44,880	28,560	408,000	4.6
<b>Total</b>	<b>\$285,600</b>	<b>\$48,960</b>	<b>\$44,880</b>	<b>\$28,560</b>	<b>\$408,000</b>	<b>4.6</b>

# Facilities Major Maintenance

\*\*\*\*\*

Department:

Public Works

Division:

Facilities Management

Project Manager:

Buck Conroy

Phone Number:

970.962.2365

Email:

Buck.Conroy@  
cityofloveland.org

Project Category:

Capital Projects

Project Number:

Multiple

Duration:

2017-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$6,757,770**

## About the Project

Facilities Major Maintenance provides for 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
2017	600,800	600,800
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
2026	781,900	781,900
<b>Total</b>	<b>\$6,757,770</b>	<b>\$6,757,770</b>

Project Cost Estimates by Year			
Elements	Building Maintenance	Roof Replacement	Total
2017	600,800	-	600,800
2018	318,800	275,000	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
2026	781,900	-	781,900
<b>Total</b>	<b>\$5,617,000</b>	<b>\$1,140,770</b>	<b>\$6,757,770</b>

# Fairgrounds Park (Phase II)

\*\*\*\*\*

Department:  
Parks & Recreation  
  
Division:  
Parks

Project Manager:  
Larry Callihan

Phone Number:  
970.962.2547

Email:  
Larry.Callihan@  
cityofloveland.org

Project Category:  
Construction

Project Code:  
TBD

Duration:  
2018-2019

\*\*\*\*\*

**Total Project Cost:**  
**\$832,500**

## About the Project

Fairgrounds Park (Phase II) provides for development of areas at Fairgrounds Park that were not completed under the initial park construction in 2008. The Phase II scope of work includes site amenities and infrastructure such as turf, play, and picnic areas. Proposed improvements may also include site lighting, irrigated turf and landscape improvements in the area east of the old grand stands and west of ballfield complex 7-10 (5 Acres).



Funding Sources		
Revenue	Parks CEF	Total
2018	82,500	82,500
2019	750,000	750,000
<b>Total</b>	<b>\$832,500</b>	<b>\$832,500</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2018	82,500	-	82,500
2019	-	750,000	750,000
<b>Total</b>	<b>\$82,500</b>	<b>\$750,000</b>	<b>\$832,500</b>

Estimated Initial Operations Impact						
	Personnel	Supplies	Other Services	Equip/ Capital	Total	FTE
2020	22,750	3,900	3,575	2,275	32,500	0.38
<b>Total</b>	<b>\$22,750</b>	<b>\$3,900</b>	<b>\$3,575</b>	<b>\$2,275</b>	<b>\$32,500</b>	<b>0.38</b>

# Fire Apparatus Replacement

\*\*\*\*\*

Department:

Loveland Fire Rescue Authority

Division:

Operations

Project Manager:

Greg Ward

Phone Number:

970.962.2497

Email:

Greg.Ward@LFRA.org

Project Category:

Equipment

Project Number:

N/A

Duration:

2017

\*\*\*\*\*

**Total Project Cost:**  
**\$684,920**

## About the Project

Replacement of existing fire apparatus. This replacement program has two primary goals:

1. Apparatus standardization to improve response efficiency, and
2. A defined life cycle in front line service (10-12 years) and reserve service (5-8 years) to extend the overall life cycle while ensuring response reliability.



Planned replacements are as follows:

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

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

Funding Sources		
Revenue	TABOR Excess	Total
2017	684,920	684,920
<b>Total</b>	<b>\$684,920</b>	<b>\$684,920</b>

Project Cost Estimates by Year		
Elements	Equipment	Total
2017	684,920	684,920
<b>Total</b>	<b>\$684,920</b>	<b>\$684,920</b>

# Fire Station 10 (SE Loveland)

\*\*\*\*\*

Department:

Loveland Fire Rescue Authority

Division:

Operations

Project Manager:

Mark Miller

Phone Number:

962-2827

Email:

Mark.Miller@LFRA.org

Project Category:

Construction / Equipment

Project Code:

Duration:

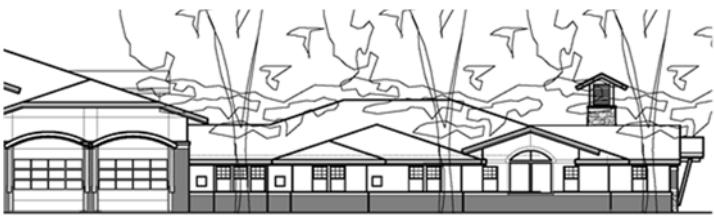
2023

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**Total Project  
Cost:  
\$5,674,700**

## About the Project

Based on coverage models for a 5 minute 59 second response time for the urban response area and expected population growth



over the next ten years, a new station in the southeast part of the community is deemed necessary. As growth occurs, the exact station location will need to be determined, but the vicinity of Highway 402 and Boise appears to be a good location fit to meet projected service needs. It is expected to be a single company (12,000 square feet) with additional bays for specialized rescue apparatus. Based on the Station 7 estimate during the Capital Expansion Fee (CEF) Study and a higher cost per acre for three acres of land, the total cost inflated to 2023 would be \$4,394,600. Required apparatus include an engine (\$710,700), tender (\$408,800) and brush unit (\$160,600). The operations costs include hiring nine firefighters, promoting six engineers, and promoting three lieutenants. Supplies represent the cost of the gear and equipment for the firefighters (uniforms, communications equipment, bunker gear, wild land gear, and self-contained breathing apparatus). Purchased services represents amortization for three new apparatus (\$64,100 using 20 year life expectancy rounded up) and facilities costs (\$9.27 per square foot or \$83,490).

Funding Sources			
	Fire CEF	Rural Contribution	Total
2023	2,837,350	2,837,350	5,674,700
<b>Total</b>	<b>\$2,837,350</b>	<b>\$2,837,350</b>	<b>\$5,674,700</b>

Project Cost Estimate by Year				
	Design/Planning	Construction	Equipment	Total
2023	439,460	3,955,140	1,280,100	5,674,700
<b>Total</b>	<b>\$439,460</b>	<b>\$3,955,140</b>	<b>\$1,280,100</b>	<b>\$5,674,700</b>

Estimated Initial Operations Impact					
	Personnel	Supplies	Purchased Services	Total	FTE
2024	851,720	195,930	147,590	1,195,240	9.0
<b>Total</b>	<b>\$851,720</b>	<b>\$195,930</b>	<b>\$147,590</b>	<b>\$1,195,240</b>	<b>9.0</b>

# Fire Station 7 (West Loveland)

\*\*\*\*\*

Department:

Loveland Fire Rescue  
Authority

Division:

Administration / Operations

Project Manager:

Mark Miller

Phone Number:

970.962.2827

Email:

Mark.Miller@LFRA.org

Project Category:

Construction & Equipment

Project Number:

TBD

Duration:

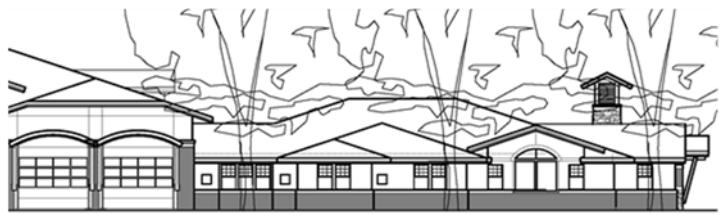
2018-2019

\*\*\*\*\*

**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. Operational costs noted below include equipping firefighters and maintaining the new facility.

Funding Sources				
Revenue	Fire CEF	Rural Contribution	TABOR Excess	Total
2018	1,224,750	1,739,750	115,000	3,079,500
2019	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	3,079,500	
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	1,271,862	94,259	70,290	1,439,411	11.0
<b>Total</b>	<b>\$1,271,862</b>	<b>\$94,259</b>	<b>\$70,290</b>	<b>\$1,439,411</b>	<b>11.0</b>

\* Rural contribution shown is an estimate subject to future negotiation between the Loveland Fire Rescue Authority partners. It is quoted here at 50%.

# Fire Training Center Property

\*\*\*\*\*

Department:

Loveland Fire Rescue Authority

Division:

Operations / Training

Project Manager:

Tim Smith

Phone Number:

970.962.2497

Email:

Tim.Smith@LFRA.org

Project Category:

Construction

Project Number:

N/A

Duration:

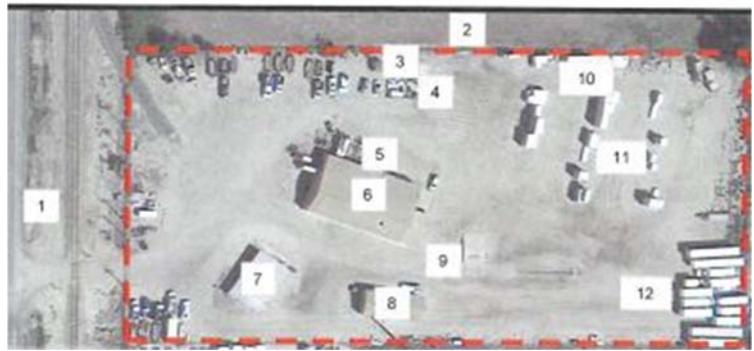
2017-2018

\*\*\*\*\*

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

## About the Project

Design and improvement funding for the training center property purchased in 2014 for \$748,790 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 removed when the current tenants vacate the property. The funding 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 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 estimate is based on \$180 per square foot for the entire 9,108 square feet, which equals \$1,639,440, plus an additional \$320,000 for enhancements to the other structures on the property, \$428,000 in paving, \$50,000 for environmental impact work, \$245,000 (or 15%) for engineering and design, and \$100,000 for the museum and ancillary uses of the property. Estimated initial operating costs are not considered to be substantially more and will be absorbed within existing appropriation levels.

Funding Sources			
	TABOR Excess	Fire CEF	Total
2017	795,610	595,610	1,391,220
2018	1,391,220	-	1,391,220
<b>Total</b>	<b>\$2,186,330</b>	<b>\$595,610</b>	<b>\$2,782,440</b>

Project Cost Estimates by Year		
Elements	Construction	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>

# Fleet Building Remodel

\*\*\*\*\*

Department:

*Public Works*

Division:

Fleet Management

Project Manager:

Mick Mercer

Phone Number:

970.962.2530

Email:

[Mick.Mercer@cityofloveland.org](mailto:Mick.Mercer@cityofloveland.org)

Project Category:

*Construction*

Project Code:

TBD

Duration:

2017

**Total Project Cost:**  
**\$210,200**

## About the Project

This project remodels a currently available vacant building to relocate Fleet service intake, administrative and training room. This would allow for the current fleet maintenance garage to expand to create additional repair bays needed to keep pace with the City's ever-growing fleet. The current



Fleet Maintenance Garage was built in 1985 with 15 work bays – the same number of bays are being used by staff today. An expansion of the current facility would provide an additional 4 work bays. The Fleet Division maintained 304 vehicles in 1985 and now maintains 744 vehicles in 2016 – a 145% increase in total fleet units maintained over this 30-year period.

Funding Sources		
Elements	General Fund	Total
2017	210,200	210,200
<b>Total</b>	<b>\$210,200</b>	<b>\$210,200</b>

Project Cost Estimates by Year			
Elements	Design/Planning	Construction	Total
2017	20,000	190,200	210,200
<b>Total</b>	<b>\$20,000</b>	<b>\$190,200</b>	<b>\$210,200</b>

Estimated Initial Operations Impact		
	Purchased Services	Total
2017	10,000	10,000
<b>Total</b>	<b>\$10,000</b>	<b>\$10,000</b>

# Fleet Garage Expansion

\*\*\*\*\*

Department:

*Public Works*

Division:

Fleet Management

Project Manager:

Mick Mercer

Phone Number:

970.962.2530

Email:

[Mick.Mercer@cityofloveland.org](mailto:Mick.Mercer@cityofloveland.org)

Project Category:

*Planning / Construction*

Project Code:

TBD

Duration:

2020-2021

\*\*\*\*\*

**Total Project Cost:**  
**\$3,500,000**

## About the Project

This project describes a proposed expansion/addition to the Fleet Maintenance Garage to create the additional repair bays needed to keep pace with the City's ever-growing fleet. The current Fleet Maintenance Garage was built in 1985 with 15 work bays – the same number of bays are being used by staff today. An expansion of the current facility would provide an additional 4 work bays. The Fleet Division maintained 304 vehicles in 1985 and now maintains 744 vehicles in 2016 – a 145% increase in total fleet units maintained over this 30-year period.



Funding Sources		
Elements	General Government CEF	Total
2020	300,000	300,000
2021	3,200,000	3,200,000
<b>Total</b>	<b>\$3,500,000</b>	<b>\$3,500,000</b>

Project Cost Estimates by Year			
Elements	Design/Planning	Construction	Total
2020	300,000	-	300,000
2021	-	3,200,000	3,200,000
<b>Total</b>	<b>\$300,000</b>	<b>\$3,200,000</b>	<b>\$3,500,000</b>

Estimated Initial Operations Impact					
	Personnel	Supplies	Purchased Services	Total	FTE
2022	180,000	6,000	6,000	192,000	2.0
<b>Total</b>	<b>180,000</b>	<b>6,000</b>	<b>6,000</b>	<b>192,000</b>	<b>2.0</b>

# Junior Achievement Park Redevelopment

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Parks

Project Manager:  
Larry Callihan

Phone Number:  
970.962.2547

Email:  
Larry.Callihan@  
cityofloveland.org

Project Category:  
Planning / Construction

Project Code:  
TBD

Duration:  
2019

\*\*\*\*\*

**Total Project  
Cost:  
\$669,200**

## About the Project

The scope of this project includes the renovation of an existing 1.5 acre site to bring it in compliance with 2014 Parks and Recreation Master Plan standards. Junior Achievement Park is currently 6.5 acres below the minimum acreage standard of 8 acres for a neighborhood park.



Proposed improvements include demolition of existing structures on the property, the addition of a shelter/restroom (revenue generation), a new playground and basketball court, limited off-street parking, and renovation of existing practice field. The scope for this project covers Phase I only. Timing for Phase II is yet to be determined.

Funding Sources			
Revenue	Park Improvement	Parks CEF	Total
2019	419,200	250,000	669,200
<b>Total</b>	<b>\$419,200</b>	<b>\$250,000</b>	<b>\$669,200</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2019	60,000	609,200	669,200
<b>Total</b>	<b>\$60,000</b>	<b>\$609,200</b>	<b>\$669,200</b>

Estimated Initial Operations Impact						
	Personnel	Supplies	Other Services	Equip/ Capital	Total	FTE
2020	5,775	990	908	577	8,250	0.12
<b>Total</b>	<b>\$5,775</b>	<b>\$990</b>	<b>\$908</b>	<b>\$577</b>	<b>\$8,250</b>	<b>0.12</b>

## Kroh Park (Phase II)

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Parks

Project Manager:  
Larry Callihan

Phone Number:  
970.962.2547

Email:  
Larry.Callihan@  
cityofloveland.org

Project Category:  
Planning / Construction

Project Code:  
TBD

Duration:  
2020-2021

\*\*\*\*\*

**Total Project  
Cost:  
\$2,100,000**

### About the Project

This project scope includes the expansion of Kroh Park.

Currently, Kroh Park and Mehaffey Park are the only community parks in the northern area of the City. Area development continues in the north and west, which is triggering the need for development of additional amenities to meet 2014 Parks and Recreation Master Plan criteria and to enhance service levels.



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, a volleyball area, a disc golf course, picnic shelter, restrooms, and off-street parking.

Funding Sources		
Revenue	Parks CEF	Total
2020	300,000	300,000
2021	1,800,000	1,800,000
<b>Total</b>	<b>\$2,100,000</b>	<b>\$2,100,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2020	300,000	-	300,000
2021	-	1,800,000	1,800,000
<b>Total</b>	<b>\$300,000</b>	<b>\$1,800,000</b>	<b>\$2,100,000</b>

Estimated Initial Operations Impact						
	Personnel	Supplies	Other Services	Equip/	Total	FTE
2022	50,400	8,640	7,920	5,040	72,000	0.92
<b>Total</b>	<b>\$50,400</b>	<b>\$8,640</b>	<b>\$7,920</b>	<b>\$5,040</b>	<b>\$72,000</b>	<b>0.92</b>

# Lakes at Centerra Park Reimbursement

\*\*\*\*\*

Department:

Parks & Recreation

Division:

Parks

Project Manager:

Janet Meisel-Burns

Phone Number:

970.962.2451

Email:

Janet.Meisel-Burns@  
cityofloveland.org

Project Category:

Land

Project Code:

PKLCP

Duration:

2017-2018

\*\*\*\*\*

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

## About the Project

The City has an agreement with the developer and school district for two park areas just off Boyd Lake Avenue and Highway 34. The developer and school district are constructing the park areas and the City is reimbursing up to \$1 million in collected Parks Capital Expansion Fee (CEF) funds from the development. The timing of reimbursement payments is contingent upon the collection of CEF funds. Per the detailed agreement between the City, School District, and Developer, it is assumed that the parks will be maintained by the Developer and/or the School District, so no additional operating expenditures are anticipated on the part of the City at this time.



Funding Sources		
Revenue	Parks CEF	Total
2017	200,000	200,000
2018	100,000	100,000
<b>Total</b>	<b>\$300,000</b>	<b>\$300,000</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	200,000	200,000
2018	100,000	100,000
<b>Total</b>	<b>\$300,000</b>	<b>\$300,000</b>

# Library Expansion

\*\*\*\*\*

Department:

*Library*

Division:

*Administration*

Project Manager:

Marcia Lewis

Phone Number:

(970) 962-2404

Email:

*Marcia.Lewis@  
cityofloveland.org*

Project Category:

Construction

Project Code:

TBD

Duration:

2017-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$5,035,000**

## About the Project

The Facilities Master Plan projected the need for the first of two branch locations around 2023. A more targeted study by a library consultant will be conducted to investigate options, needs, and locations in 2017. Design and construction could begin in 2025 or later, depending upon the availability of sufficient Library Capital Expansion Fee (CEF) funding.



Funding Sources		
Elements	Library CEF	Total
2017	35,000	35,000
2025	1,000,000	1,000,000
2026	4,000,000	4,000,000
<b>Total</b>	<b>\$5,035,000</b>	<b>\$5,035,000</b>

Project Cost Estimates by Year			
Elements	Design/Planning	Construction	Total
2017	35,000	-	35,000
2025	1,000,000	-	1,000,000
2026	-	4,000,000	4,000,000
<b>Total</b>	<b>\$1,035,000</b>	<b>\$4,000,000</b>	<b>\$5,035,000</b>

# Library Kiosk

\*\*\*\*\*

Department:

*Library*

Division:

*Administration*

Project Manager:

Marcia Lewis

Phone Number:

(970) 962-2404

Email:

*Marcia.Lewis@cityofloveland.org*

Project Category:

Construction

Project Code:

TBD

Duration:

2017

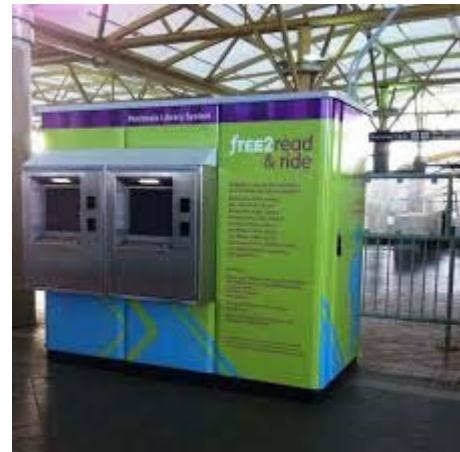
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**Total Project  
Cost:  
\$214,688**

## About the Project

The Facilities Master Plan projected the need for the first of two branch locations around 2023. To better serve the community with library resources before that time, the library proposes purchasing a stand alone kiosk from which customers can borrow and return items.

Currently library services are limited to one location, i.e. at the Civic Center and only during limited hours. In accordance with the Library's Strategic Plan:, 4A, "to increase access to library materials", a lending kiosk (much like the DVD red box machines) would expand access both for borrowing and returning materials (DVDs, books, CDs) in another area of Loveland and be available 24/7. A lending kiosk, would be a way of providing not only a more convenient option for returning items (as patrons have requested), it would also provide 24/7 access for borrowing materials including picking up items that patrons have requested. This service is a growing trend in Public Libraries across the USA including Colorado and would be a great way for the Loveland Public Library to showcase its relevance and make us more flexible in the modern public sphere.



Funding Sources		
Elements	Library CEF	Total
2017	214,688	214,688
<b>Total</b>	<b>\$214,688</b>	<b>\$214,688</b>

Project Cost by Year		
Elements	Construction	Total
2017	214,688	214,688
<b>Total</b>	<b>\$214,688</b>	<b>\$214,688</b>

Estimated Initial Operations Impact		
	Maintenance	Total
2017	6,000	6,000
<b>Total</b>	<b>\$6,000</b>	<b>\$6,000</b>

# Loveland Sports Park (Phase II)

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Parks

Project Manager:  
Larry Callihan

Phone Number:  
970.962.2547

Email:  
Larry.Callihan@  
cityofloveland.org

Project Category:  
Planning / Construction

Project Code:  
TBD

Duration:  
2017-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$3,135,379**

## About the Project

Phase II development for 20-acres on the east-side of Loveland Sports Park includes: design and construction of six multi-purpose sports fields, a new restroom/storage/shelter building, new parking areas, and related infrastructure and site amenities. In addition, the scope of this project

includes east parking lot and office building expansion at the Park Maintenance Building. It is estimated that \$22,000 in new revenues will be generated from site reservations, additional tournaments, and league play.



Funding Sources		
Revenue	Parks CEF	Total
2017	390,000	390,000
2018	2,745,379	2,745,379
<b>Total</b>	<b>\$3,135,379</b>	<b>\$3,135,379</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	390,000	-	390,000
2018	-	2,745,379	2,745,379
<b>Total</b>	<b>\$390,000</b>	<b>\$2,745,379</b>	<b>\$3,135,379</b>

Estimated Initial Operations Impact						
	Personnel	Supplies	Other Services	Equip/	Total	FTE
2019	95,200	16,320	14,960	9,520	136,000	1.53
<b>Total</b>	<b>\$95,200</b>	<b>\$16,320</b>	<b>\$14,960</b>	<b>\$9,520</b>	<b>\$136,000</b>	<b>1.53</b>

# Municipal Building Renovation

\*\*\*\*\*

Department:

Public Works

Division:

Facilities Management

Project Manager:

Lorna Holmes

Phone Number:

970.962.2569

Email:

Lorna.Holmes@  
cityofloveland.org

Project Category:

Renovation

Project Code:

TBD

Duration:

2017

\*\*\*\*\*

**Total Project  
Cost:  
\$50,000**

## About the Project

With the creation of the Development Center at the Fire & Administration Building, space reallocation to accommodate the remaining departmental staff in the Municipal Building will require renovations to portions of the facility.



Funding Sources		
Elements	General Fund	Total
2017	50,000	50,000
<b>Total</b>	<b>\$50,000</b>	<b>\$50,000</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	50,000	50,000
<b>Total</b>	<b>\$50,000</b>	<b>\$50,000</b>

# Museum Expansion

\*\*\*\*\*

Department:

Cultural Services

Division:

Museum

Project Manager:

Ken Cooper

Phone Number:

970-420-8523

Email:

Ken.Cooper@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

TBD

Duration:

2017-2026

\*\*\*\*\*

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

## About the Project

A 26,000 square foot expansion and remodel of the current facility will allow the Museum to have more exhibits on display at a single time and accommodate larger, more diverse audiences with its exhibits and educational programs.



The project scope includes:

- increased exhibition space for temporary art and history exhibits,
- a permanent exhibit showcasing the work of local artists,
- permanent exhibit contextualizing Loveland's role and prominence within the history of art,
- a 200-seat auditorium that accommodates current capacity challenges,
- dedicated classrooms to meet the demand for adult and children's art classes,
- a children's area with hands-on learning opportunities,
- a rooftop terrace and dedicated event space for community use,
- and, climate control/security needs that will allow the Museum to broaden and diversify its exhibit offerings.

The Museum is an important part of Loveland's historic identity and downtown vitality and will become a larger, more prominent, and distinctly modern destination for local and visiting populations, further establishing the City's reputation as a vibrant arts community.

Funding Sources			
Elements	Cultural Services CEF	Outside Revenue	Total
2017	160,000	-	160,000
2025	2,290,500	-	2,290,500
2026	2,319,500	10,500,000	12,819,500
<b>Total</b>	<b>\$4,770,000</b>	<b>\$10,500,000</b>	<b>\$15,270,000</b>

Project Cost Estimate by Year			
Elements	Planning/Design	Construction	Total
2017	160,000	-	160,000
2025	2,290,500	-	2,290,500
2026	-	12,819,500	12,819,500
<b>Total</b>	<b>\$2,450,500</b>	<b>\$12,819,500</b>	<b>\$15,270,000</b>

Estimated Initial Operations Impact						
	Personnel	Supplies	Purchased Services	Facilities	Total	FTE
2026	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>

# 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 Code:  
TBD

Duration:  
2019-2023

\*\*\*\*\*

**Total Project  
Cost:  
\$3,300,000**

## About the Project

The 2014 Parks and Recreation Master Plan identifies the need for several new neighborhood parks. The Parks & Recreation Department plans to purchase land and develop two neighborhood parks over the next 10 years. Specific park sites have not yet been



identified, but funds have been allocated within the available cash flow projections of Parks Capital Expansion Fee (CEF) funding to purchase future parkland for development in under served areas of the city. This project request includes land and water acquisition as well as design and development of two neighborhood parks.

Funding Sources		
Revenue	Parks CEF	Total
2019	300,000	300,000
2020	1,500,000	1,500,000
2023	1,500,000	1,500,000
<b>Total</b>	<b>\$3,300,000</b>	<b>\$3,300,000</b>

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

Estimated Initial Operations Impact						
	Personnel	Supplies	Other Services	Equip/ Capital	Total	FTE
2021	38,500	6,600	6,050	3,850	55,000	0.767
2024	38,500	6,600	6,050	3,850	55,000	0.767
<b>Total</b>	<b>\$77,000</b>	<b>\$13,200</b>	<b>\$12,100</b>	<b>\$7,700</b>	<b>\$110,000</b>	<b>1.53</b>

# North Lake Park Improvements

\*\*\*\*\*

Department:

Parks & Recreation

Division:

Parks

Project Manager:

Larry Callihan

Phone Number:

970.962.2547

Email:

Larry.Callihan@  
cityofloveland.org

Project Category:

Construction

Project Code:

TBD

Duration:

2018-2019

\*\*\*\*\*

**Total Project  
Cost:  
\$1,100,000**

## About the Project

Conceptual plans were developed in 2012 to expand services and to address maintenance, parking and egress/ingress issues on site at the North Lake Park.



Proposed project scope includes additional picnic shelters, a water spray park, and 60 parking spaces to enhance service levels and to accommodate increased site visitation. In addition, realignment/improvements for road access to the train depot and relocation of the existing maintenance shop are also project considerations. It is estimated that \$2,500 in new revenue will be generated from shelter reservation fees.

Funding Sources			
	TABOR Excess	Conservation Trust	Total
2018	-	100,000	100,000
2019	500,000	500,000	1,000,000
<b>Total</b>	<b>\$500,000</b>	<b>\$600,000</b>	<b>\$1,100,000</b>

Project Cost Estimates by Year			
	Planning	Construction	Total
2018	100,000	-	100,000
2019	-	1,000,000	1,000,000
<b>Total</b>	<b>\$100,000</b>	<b>\$1,000,000</b>	<b>\$1,100,000</b>

Estimated Initial Operations Impact						
	Personnel	Supplies	Purchased Services	Equip/ Capital	Total	FTE
2020	27,300	4,680	4,290	2,730	39,000	0.50
<b>Total</b>	<b>\$27,300</b>	<b>\$4,680</b>	<b>\$4,290</b>	<b>\$2,730</b>	<b>\$39,000</b>	<b>0.50</b>

# 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:  
Equipment

Project Code:  
TBD

Duration:  
2022

\*\*\*\*\*

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

## About the Project

The Loveland Lions Club has operated the North Lake Park miniature train with volunteers for 24 years. It is a community treasure owned by the City, maintained by the Parks Division, and enjoyed by some 26,000 riders each summer.



This project scope includes renovation of the train engine and under-carriage (brakes, transmission, wheels, diesel engine with modern drive train), track and tie replacements as needed, and replacement of the cars, including the addition of a car which meets Americans with Disabilities Act (ADA) requirements. These repairs, partially funded from fees collected by the Lions Club and transferred to the City for the train, will improve customer service, enhance equipment reliability, and ensure user safety.

- Annual engine and car/track maintenance and repair will be provided for within existing operating budget appropriation levels.
- The Parks & Recreation Department has saved a share of revenues for partial funding of future train replacement (\$112,000 collected as of the beginning of 2016).
- The train will receive annual state inspections and certification.
- Car replacement (4) is estimated to be \$160,000 (\$40,000 each from Uhrich Locomotive in Strasburg, CO).
- The drive train and engine replacement is estimated at \$60,000.
- The track and tie replacement is estimated at \$50,000.

Funding Sources		
Revenue	Park Improvement	Total
2022	270,000	270,000
<b>Total</b>	<b>\$270,000</b>	<b>\$270,000</b>

Project Cost Estimates by Year		
Elements	Equipment	Total
2022	270,000	270,000
<b>Total</b>	<b>\$270,000</b>	<b>\$270,000</b>

# Open Lands Acquisition & Restoration

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Open Lands

Project Manager:  
Marilyn Hilgenberg

Phone Number:  
970.962.2443

Email:  
Marilyn.Hilgenberg@  
cityofloveland.org

Project Category:

Land

Project Code:

Annual Program

Duration:

2017-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$22,138,250**

## About the Project

This funding provides for open land acquisition and development of properties to conserve natural sites, wildlife habitats, and open land in and around Loveland. Priorities are indicated in the 2014 Parks and Recreation Master Plan. Any additional operating funding needs will be requested annually as a supplemental budget request as they become known.



Funding Sources			
Revenue	Open Space Sales Tax	Open Space CEF	Total
2017	3,340,000	2,000,000	5,340,000
2018	2,735,000	100,000	2,835,000
2019	350,000	-	350,000
2020	225,000	843,250	1,068,250
2021	3,825,000	225,000	4,050,000
2022	1,405,000	500,000	1,905,000
2023	1,500,000	400,000	1,900,000
2024	1,190,000	450,000	1,640,000
2025	1,250,000	400,000	1,650,000
2026	1,000,000	400,000	1,400,000
<b>Total</b>	<b>\$ 16,820,000</b>	<b>\$5,318,250</b>	<b>\$22,138,250</b>

Project Cost Estimates by Year		
Elements	Land / Planning	Total
2017	5,340,000	5,340,000
2018	2,835,000	2,835,000
2019	350,000	350,000
2020	1,068,250	1,068,250
2021	4,050,000	4,050,000
2022	1,905,000	1,905,000
2023	1,900,000	1,900,000
2024	1,640,000	1,640,000
2025	1,650,000	1,650,000
2026	1,400,000	1,400,000
<b>Total</b>	<b>\$ 22,138,250</b>	<b>\$ 22,138,250</b>

# Osborn Park Pickleball Courts

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Recreation

Project Manager:  
Keven Aggers

Phone Number:  
970.962.2449

Email:  
Keven.Aggers@  
cityofloveland.org

Project Category:  
Planning / Construction

Project Code:  
TBD

Duration:  
2017

\*\*\*\*\*

**Total Project  
Cost:  
\$325,500**

## About the Project

Pickleball has been the fastest growing sport in Loveland for several years. With the addition of courts at Mehaffey Park and the adjustment of lines on some existing tennis courts, pickleball players have become adamant that new expanded facilities are needed.



Adding an 8-court complex in the southwest part of the community will be an effective compliment to the Mehaffey courts that are located on the northwest side of the park, while also responding to the increased demand for multiple courts at one location. This project scope also includes design and construction of a much needed small public restroom facility.

- Planned construction of a lighted 8-court pickleball facility to include courts, nets/equipment, fencing, lights, and a 430 square foot restroom building. Assumes some cleaning, net and facility maintenance with minimal rental revenue.
- Courts and rest room will be constructed on undeveloped City owned land (0.65 acres) to the west of the existing tennis courts. Maintenance cost estimated at \$5,500 per developed acre.
- Additional Full-time Equivalent (FTE) position request based on standard of 0.0767 FTEs per developed park acre.

Funding Sources		
Elements	TABOR Excess	Total
2017	325,500	325,500
<b>Total</b>	<b>\$325,500</b>	<b>\$325,500</b>

Project Cost Estimates by Year				
Elements	Design/Planning	Construction	Other Costs	Total
2017	17,500	270,000	38,000	325,500
<b>Total</b>	<b>\$17,500</b>	<b>\$270,000</b>	<b>\$38,000</b>	<b>\$325,500</b>

Estimated Initial Operations Impact						
	Personnel	Supplies	Other Services	Equip/ Capital	Total	FTE
2017	2,503	429	393	250	3,575	0.05
<b>Total</b>	<b>\$2,503</b>	<b>\$429</b>	<b>\$393</b>	<b>\$250</b>	<b>\$3,575</b>	<b>0.05</b>

# Park Renovation Projects

\*\*\*\*\*

Department:  
Parks & Recreation

Division:  
Parks

Project Manager:  
Larry Callihan

Phone Number:  
970.962.2547

Email:  
Larry Callihan@  
cityofloveland.org

Project Category:  
Construction

Project Code:  
Annual Program

Duration:  
2017-2025

\*\*\*\*\*

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

## About the Project

This funding provides for renovation of neighborhood park infrastructure to improve safety, reduce liability, maintain service levels, and minimize ongoing maintenance costs.

Projects may include shelter, restroom, maintenance building, and pump station renovations to maintain service levels.



Estimated cost impact to the operating budget is negligible—any additional cost will be absorbed within existing appropriation levels.

Funding Sources		
Elements	Park Improvement Fund	Total
2017	100,000	100,000
2018	300,000	300,000
2020	100,000	100,000
2021	100,000	100,000
2023	100,000	100,000
2024	100,000	100,000
2025	100,000	100,000
<b>Total</b>	<b>\$ 900,000</b>	<b>\$900,000</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	100,000	100,000
2018	300,000	300,000
2020	100,000	100,000
2021	100,000	100,000
2023	100,000	100,000
2024	100,000	100,000
2025	100,000	100,000
<b>Total</b>	<b>\$900,000</b>	<b>\$900,000</b>

# Police High Capacity Storage

\*\*\*\*\*

Department:

Police

Division:

Services

Project Manager:

Bob Klinger

Phone Number:

970.962.2223

Email:

Bob.Klinger@  
cityofloveland.org

Project Category:

Construction

Project Number:

Duration:

2017

\*\*\*\*\*

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

## About the Project

Existing property and evidence storage areas are using secured hallways to store larger items of evidence.

Property and evidence storage is a high liability area of for police departments. As

growth continues, the need for space becomes more critical. High capacity storage will result in eliminating the storage of evidence in the tool storage area and in the long hallway corridor, allowing large evidence (doors, mattresses, etc.) to be stored in the main vault. An increase in capacity for overall storage will also result in significant reductions in space needed to store other types of evidence (drug storage, gun storage, etc.).



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

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

# Police Records Management System

\*\*\*\*\*

Department:

*Police*

Division:

Information Services

Project Manager:

Rob McDaniel

Phone Number:

970.962.2278

Email:

Rob.McDaniel@  
cityofloveland.org

Project Category:

Equipment

Project Code:

PDRMS

Duration:

2017

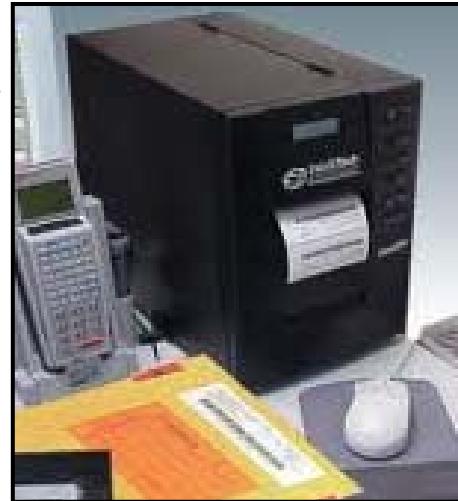
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**Total Project Cost:**  
**\$1,398,157**

## About the Project

The scope of this project is to replace the current Records Management System and Automated Field Reporting System (RMS/AFR). This project will include design, implementation, data transfer, and training.

The RMS is where all critical information is processed, disseminated, and stored. The current RMS is 16 years old. While it has been a reliable system, the vendor has not grown the product to meet the needs of the police department. The City uses a newer Windows software version than the current RMS and an upgrade is not planned for the system. As the City moves forward with new Windows software, the disparity issues will become even greater. Interfaces with stand-alone databases have been built to work with the current RMS, resulting in multiple redundancies for data entry. Reports, summonses, evidence, custody sheets, and mug photos are examples of data that need to be entered separately every time. The objective of the new RMS is to maximize staff efficiency and effectiveness by significantly reducing data entry.



Funding Sources		
Revenue	TABOR Excess	Total
2017	1,398,157	1,398,157
<b>Total</b>	<b>\$1,398,157</b>	<b>\$1,398,157</b>

Project Cost Estimates by Year		
Elements	Equipment	Total
2017	1,398,157	1,398,157
<b>Total</b>	<b>\$1,398,157</b>	<b>\$1,398,157</b>

# Police Training Facility

\*\*\*\*\*

Department:

Police

Division:

Administration

Project Manager:

Mick Mercer

Phone Number:

970.962.2530

Email:

Mick.Mercer@  
cityofloveland.org

Project Category:

Construction

Project Number:

PDTRNCMP

Duration:

2017-2018

\*\*\*\*\*

**Total Project Cost:**  
**\$9,125,000**

## About the Project

This project relates to the construction of a police regional training campus to include a police firing range, driving track, and a classroom facility. At final build-out, the facility will incorporate approximately 60,000 square feet.



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 development and driving track, followed by indoor shooting ranges and a classroom facility in the second phase. It is expected that this will be a joint project with the City of Ft. Collins and the \$9,125,000 project cost detailed below represents Loveland's half of the total project cost estimate.

Funding Sources			
Revenue	TABOR Excess	Police CEF	Total
2017	405,000	405,000	810,000
2018	3,007,500	5,307,500	8,315,000
<b>Total</b>	<b>\$3,412,500</b>	<b>\$5,712,500</b>	<b>\$9,125,000</b>

Project Cost Estimate by Year			
Elements	Design	Construction	Total
2017	810,000	-	810,000
2018	-	8,315,000	8,315,000
<b>Total</b>	<b>\$810,000</b>	<b>\$8,315,000</b>	<b>\$9,125,000</b>

Estimated Initial Operating Impact			
	Personnel	Total	FTE
2018	350,000	350,000	2.0
<b>Total</b>	<b>\$350,000</b>	<b>\$350,000</b>	<b>2.0</b>

# Recreation Facility

\*\*\*\*\*

Department:

Parks & Recreation

Division:

Recreation

Project Manager:

Keven Aggers

Phone Number:

970.962.2449

Email:

Keven.Aggers@  
cityofloveland.org

Project Category:

Planning / Construction

Project Code:

TBD

Duration:

2023-2024

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**Total Project Cost:**  
**\$13,360,000**

## About the Project

The Chilson Recreation Center opened in December 1987. In 2010, a 20,000 square foot addition and renovation was completed, which increased the facility's square footage to 87,000. However, this is 60,000 square feet short of the standard recognized in the Parks and Recreation Master Plan of 2,000 square feet per 1,000 population. As a part of the Parks and Recreation Commission Recreation Center expansion feasibility study, a recommendation was made to expand recreation center based facilities by constructing a new recreation center in the northwest section of the City. To meet the recognized standard, a second recreation center will be needed within the next 10 years.



### Project History and Assumptions:

- 2015—just under \$100,000 spent for feasibility study.
- 2016—land purchase budgeted for \$300,000.
- Land acquisition assumes existing City land plus acquisition of adjacent areas.
- Assumes operating expenditures of \$1.846 million (\$1.816 million in facility maintenance and \$30,000 in grounds maintenance) with new revenues projected at \$1.45 million or a first year cost recovery of almost 80%.
- Estimate based on 2015 dollars of \$380 per foot cost with 6-8% per year inflation adjustments through 2018 and 4% per year thereafter.
- Cost estimates are based on \$32 million estimate from 2015 Feasibility Study adjusted for inflation.
- Option to add an outdoor aquatics feature; and/or to phase construction to include an indoor aquatics feature with the addition of more outdoor aquatics space at a later date.
- Assumes personnel economy of scale due to management overlap.
- Revenue of \$500,000 anticipated to be generated when the facility opens through user charges and fees.

Funding Sources		
Elements	Recreation CEF	Total
2023	2,401,000	2,401,000
2024	10,959,000	10,959,000
<b>Total</b>	<b>\$13,360,000</b>	<b>\$13,360,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2023	2,401,000	-	2,401,000
2024	-	10,539,000	10,959,000
<b>Total</b>	<b>\$2,701,000</b>	<b>\$10,959,000</b>	<b>\$13,360,000</b>

Estimated Initial Operations Impact					
	Personnel	Supplies	Other Services	Total	FTE
2025	1,331,000	121,600	393,525	1,846,125	15.38
<b>Total</b>	<b>\$1,331,000</b>	<b>\$121,600</b>	<b>\$393,525</b>	<b>\$1,846,125</b>	<b>15.38</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 Code:  
Annual Program

Duration:  
2017-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$10,862,854**

## About the Project

This funding is for the completion of the remaining four miles of the City's recreation trail loop and establishment of other key trail connection linkages throughout the City.



Funding Sources				
Revenue	Conservation Trust	Trails CEF	Outside Revenue (Grants)	Total
2017	1,737,194	380,600	388,190	2,505,984
2018	1,193,510	-	-	1,193,510
2019	755,000	-	600,000	1,355,000
2020	300,000	300,000	-	600,000
2021	1,308,360	300,000	-	1,608,360
2022	-	300,000	-	300,000
2023	-	500,000	-	500,000
2024	-	300,000	-	300,000
2025	1,100,000	400,000	-	1,500,000
2026	1,000,000	-	-	1,000,000
<b>Total</b>	<b>\$7,394,064</b>	<b>\$2,480,600</b>	<b>\$988,190</b>	<b>\$10,862,854</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	2,505,984	2,505,984
2018	1,193,510	1,193,510
2019	1,355,000	1,355,000
2020	600,000	600,000
2021	1,608,360	1,608,360
2022	300,000	300,000
2023	500,000	500,000
2024	300,000	300,000
2025	1,500,000	1,500,000
2026	1,000,000	1,000,000
<b>Total</b>	<b>\$10,862,854</b>	<b>\$10,862,854</b>

# Sidewalk Installation (US 287)

\*\*\*\*\*

Department:

*Public Works*

Division:

Project Engineering

Project Manager:

Mike Jacobson

Phone Number:

970.962.2642

Email:

Mike.Jacobson@  
cityofloveland.org

Project Category:

Planning / Construction

Project Code:

TBD

Duration:

2017

\*\*\*\*\*

**Total Project  
Cost:  
\$702,000**

## About the Project

This project is part of the implementation of the US 287 Strategic Plan adopted by City Council in December 2015. A first phase of asphalt sidewalk construction will focus on the area between 37th Avenue and 57th Avenue and/or connecting pathways into adjacent neighborhoods. Per City policy, walkway construction will occur on the most constructible side of the street.



Funding Sources		
Elements	TABOR Excess	Total
2017	702,000	702,000
<b>Total</b>	<b>\$702,000</b>	<b>\$702,000</b>

Project Cost Estimates by Year			
Elements	Design/Planning	Construction	Total
2017	100,000	602,000	702,000
<b>Total</b>	<b>\$100,000</b>	<b>\$602,000</b>	<b>\$702,000</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:

ENSR17

Duration:

2017-2026

\*\*\*\*\*

## Total Project Cost: **\$54,117,150**

### About the Project

The City budgets for annual street maintenance costs.

Projects consist of street resurfacing, major street reconstruction, concrete rehabilitation, and cul-de-sac repairs. This

sheet summarizes these four program areas, which are broken out separately on the following pages. Funding for the Program is from the Transportation Fee charged to residential and commercial buildings and Highway Users Tax Fund (HUTF) 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
2017	2,360,335	2,360,335	4,720,670
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	2,990,000	2,990,000	5,980,000
2026	3,079,700	3,079,700	6,159,400
<b>Total</b>	<b>\$27,058,575</b>	<b>\$27,058,575</b>	<b>\$54,117,150</b>

Project Cost Estimates by Year			
Elements	Planning	Capital	Total
2017	20,000	4,700,670	4,720,670
2018	76,000	4,786,290	4,862,290
2019	20,000	4,988,160	5,008,160
2020	72,000	5,086,400	5,158,400
2021	20,000	5,293,150	5,313,150
2022	84,000	5,388,540	5,472,540
2023	20,000	5,616,720	5,636,720
2024	76,000	5,729,820	5,805,820
2025	20,000	5,960,000	5,980,000
2026	84,000	6,075,400	6,159,400
<b>Total</b>	<b>\$492,000</b>	<b>\$53,625,150</b>	<b>\$54,117,150</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:

2017-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$37,734,050**

## About the Project

The first of four street rehabilitation sub-programs—this funding provides for the planning and implementation of street surface repairs. This 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, and asphaltic concrete and crack sealing materials for use by Street Maintenance.



Funding Sources			
Revenue	Hwy Users Tax Fund (HUTF)	Transportation Fee	Total
2017	1,395,475	1,395,475	2,790,950
2018	1,840,540	1,840,540	3,681,080
2019	1,573,345	1,573,345	3,146,690
2020	1,948,945	1,948,945	3,897,890
2021	1,723,390	1,723,390	3,446,780
2022	2,076,740	2,076,740	4,153,480
2023	1,771,055	1,771,055	3,542,110
2024	2,217,385	2,217,385	4,434,770
2025	1,966,800	1,966,800	3,933,600
2026	2,353,350	2,353,350	4,706,700
<b>Total</b>	<b>\$18,867,025</b>	<b>\$18,867,025</b>	<b>\$37,734,050</b>

Project Cost Estimates by Year			
Elements	Planning	Capital	Total
2017	20,000	2,770,950	2,790,950
2018	20,000	3,661,080	3,681,080
2019	20,000	3,126,690	3,146,690
2020	20,000	3,877,890	3,897,890
2021	20,000	3,426,780	3,446,780
2022	20,000	4,133,480	4,153,480
2023	20,000	3,522,110	3,542,110
2024	20,000	4,414,770	4,434,770
2025	20,000	3,913,600	3,933,600
2026	20,000	4,686,700	4,706,700
<b>Total</b>	<b>\$200,000</b>	<b>\$37,534,050</b>	<b>\$37,734,050</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:

2017-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$3,942,000**

## About the Project

The second of four street rehabilitation sub-programs—this funding provides for 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
2017	400,000	400,000	800,000
2018	28,000	28,000	56,000
2019	350,000	350,000	700,000
2020	26,000	26,000	52,000
2021	325,000	325,000	650,000
2022	32,000	32,000	64,000
2023	400,000	400,000	800,000
2024	28,000	28,000	56,000
2025	350,000	350,000	700,000
2026	32,000	32,000	64,000
<b>Total</b>	<b>\$1,971,000</b>	<b>\$1,971,000</b>	<b>\$3,942,000</b>

Project Cost Estimates by Year			
Elements	Planning	Capital	Total
2017	-	800,000	800,000
2018	56,000	-	56,000
2019	-	700,000	700,000
2020	52,000	-	52,000
2021	-	650,000	650,000
2022	64,000	-	64,000
2023	-	800,000	800,000
2024	56,000	-	56,000
2025	-	700,000	700,000
2026	64,000	-	64,000
<b>Total</b>	<b>\$292,000</b>	<b>\$3,650,000</b>	<b>\$3,942,000</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:

2017-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$9,741,100**

## About the Project

The third of four street rehabilitation sub-programs—this funding provides for concrete curb and gutter projects, attached sidewalk repairs in areas targeted for street pavement maintenance, repair of intersection cross-pan drains, sidewalk repair cost sharing projects with property owners, miscellaneous repair of curbs, gutters, and sidewalks across the city, and the replacement of intersection ramps not currently meeting Americans with Disabilities Act (ADA) requirements.



Funding Sources			
Revenue	Hwy Users Tax Fund (HUTF)	Transportation Fee	Total
2017	424,860	424,860	849,720
2018	437,605	437,605	875,210
2019	450,735	450,735	901,470
2020	464,255	464,255	928,510
2021	478,185	478,185	956,370
2022	492,530	492,530	985,060
2023	507,305	507,305	1,014,610
2024	522,525	522,525	1,045,050
2025	538,200	538,200	1,076,400
2026	554,350	554,350	1,108,700
<b>Total</b>	<b>\$4,870,550</b>	<b>\$4,870,550</b>	<b>\$9,741,100</b>

Project Cost Estimates by Year		
Elements	Capital	Total
2017	849,720	849,720
2018	875,210	875,210
2019	901,470	901,470
2020	928,510	928,510
2021	956,370	956,370
2022	985,060	985,060
2023	1,014,610	1,014,610
2024	1,045,050	1,045,050
2025	1,076,400	1,076,400
2026	1,108,700	1,108,700
<b>Total</b>	<b>\$9,741,100</b>	<b>\$9,741,100</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:

2017-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$2,700,000**

## About the Project

The final of four street rehabilitation sub-programs—this funding provides for 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. This funding provides for the repair of 14-16 cul-de-sacs, annually.



Funding Sources			
Revenue	Hwy Users Tax Fund (HUTF)	Transportation Fee	Total
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
2026	140,000	140,000	280,000
<b>Total</b>	<b>\$1,350,000</b>	<b>\$1,350,000</b>	<b>\$2,700,000</b>

Project Cost Estimates by Year		
Elements	Capital	Total
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
2026	280,000	280,000
<b>Total</b>	<b>\$2,700,000</b>	<b>\$2,700,000</b>

# Supplemental Bridge Repairs

\*\*\*\*\*

Department:

*Public Works*

Division:

Project Engineering

Project Manager:

Shawn Fetzer

Phone Number:

970.962.2636

Email:

Shawn.Fetzer@  
cityofloveland.org

Project Category:

*Capital Construction*

Project Code:

TBD

Duration:

2017

\*\*\*\*\*

**Total Project  
Cost:  
\$1,260,000**

## About the Project

The City of Loveland's bridge inventory includes almost 90 structures, with 39 having a span of 20' or more and subject to federal inspection requirements. Due to significant deterioration, the 1st Street and Garfield bridge received a deficiency rating necessitating a deck replacement in 2017 funded through this project. Additionally, the ongoing annual repair, rehab and maintenance program is funded through this project. This funding supports a systematic preventative maintenance program helping to avoid more costly unplanned emergency replacement and rehabilitation projects.



Funding Sources		
Elements	TABOR Excess	Total
2017	1,260,000	1,260,000
<b>Total</b>	<b>\$1,260,000</b>	<b>\$1,260,000</b>

Project Cost Estimates by Year			
Elements	Engineering/Design	Construction	Total
2017	140,000	1,120,000	1,260,000
<b>Total</b>	<b>\$140,000</b>	<b>\$1,120,000</b>	<b>\$1,260,000</b>

## 2017- 2026 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 primary sources:

1. Capital Expansion Fees for Streets (Streets CEF): 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 of 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 Metropolitan Planning Organization (MPO).
4. Centerra Metro District Funds: As part of the Master Financing Agreement (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 (that could otherwise be funded by CEF funding), 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, whether a singly defined or a phase, the project must be fully funded.

Project prioritization is based on criteria included in the 2035 Plan. The basis for the prioritization is 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. Thus, project phasing addresses this issue. In the past, larger portions of projects were completed at one time by both the City and Developers. The current Transportation Capital Program (TCP) includes a revised approach of addressing projects in smaller, “bite-size” pieces. Historically, this approach was not required 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 TCP facilitates the programming of projects in order to implement the 2035 Plan. The development of the TCP includes consideration of three primary project areas:

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. (e.g. transportation plan updates and planning for future roadway corridors, including right-of-way acquisitions).

Within the primary project areas are specific subareas or project groupings included in the overall TCP, which are evaluated each year. These include:

1. Transportation—Annual Programs: These include bike lane signing and striping, sidewalks and pedestrian facilities, unanticipated right-of-way opportunities (not associated with a project currently programmed), traffic signal system interconnects, traffic signal control system upgrades, transportation plan updates, school zone flasher additions, and miscellaneous bridge repairs (as identified in the 2035 Plan).
2. Transportation—Bridge Maintenance Program.
3. Transportation—Capital Projects: Specific transportation projects designed and needed to improve the flow of traffic within the transportation system that are programmed with the next 10 years.
4. Transportation—Development Reimbursements: Reimbursement to developers of their eligible costs for construction on certain projects (e.g. oversizing agreements).

Another part of the 2035 Plan and the City's overall transportation efforts is related to maintenance – taking care of existing infrastructure. From an investment perspective, protecting existing infrastructure is a high priority, even higher than building new 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 Capital Program.

It is more important to address maintenance than congestion, but without ignoring 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, an increase in the amount of reimbursements owed developers will be seen until commercial building permits increase enough to an offsetting level. This is similar to cycles 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.

# Transportation Program Summary

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Department:  
Public Works

Division:  
Project Engineering  
Project Manager:  
Jeff Bailey

Phone Number:  
970.962.2551

Email:  
Jeff.Bailey@  
cityofloveland.org

Project Category:  
Annual Program

Project Number:  
NA

Duration:  
2017-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$28,792,897**

## About the Project

2017-2026 Transportation Programs includes:

1. Transportation—Annual Programs: \$7,625,000
2. Transportation—Bridge Maintenance Program: \$100,000 (sunsets in 2017)
3. Transportation—Capital Projects:
  - US 34 WB Widening Denver to Boyd Lake - \$3,000,000
  - Boise Ave. Improvements—Mt. Columbia to 37th - \$2,300,000
  - 37<sup>th</sup> St. Improvements—US 287 to Lincoln - \$2,500,000
  - Madison Ave. Improvements—29<sup>th</sup> to 37<sup>th</sup> - \$2,200,000
  - Madison Ave. Improvements—Silverleaf to 29th - \$2,140,000
  - Miscellaneous Transportation Projects - \$2,000,000
  - Taft Ave./Eisenhower Blvd. Intersection Improvements - \$1,800,000
  - US 34 Improvements Denver Ave. to I-25) - \$1,500,000
  - 29<sup>th</sup> St. and Beech Dr. Improvements - \$500,000
  - Preliminary Work for Taft Ave. Phase II - \$400,000
4. Transportation—Developer Reimbursements: \$2,727,897



Funding Sources				
	TABOR Excess	General Fund	Streets CEF	Total
2017	1,402,000	-	1,307,299	2,709,299
2018	4,073,000	-	1,446,299	5,519,299
2019	2,747,000	-	2,782,299	5,529,299
2020	513,000	-	1,571,000	2,084,000
2021	407,000	-	1,272,000	1,679,000
2022	340,500	-	994,500	1,335,000
2023	154,500	-	2,387,500	2,542,000
2024	240,500	-	1,034,500	1,275,000
2025	709,500	-	1,185,500	1,895,000
2026	1,505,500	-	2,719,500	4,225,000
<b>Total</b>	<b>\$12,092,500</b>		<b>\$16,700,397</b>	<b>\$28,792,897</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	1,070,000	1,639,299	2,709,299
2018	870,000	4,649,299	5,519,299
2019	160,000	5,369,299	5,529,299
2020	1,060,000	1,024,000	2,084,000
2021	810,000	869,000	1,679,000
2022	330,000	1,005,000	1,335,000
2023	80,000	2,462,000	2,542,000
2024	490,000	785,000	1,275,000
2025	1,210,000	685,000	1,895,000
2026	70,000	4,155,000	4,225,000
<b>Total</b>	<b>\$6,150,000</b>	<b>\$22,642,897</b>	<b>\$28,792,897</b>

# Transportation Annual Programs

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Jeff Bailey

Phone Number:

970.962.2551

Email:

Jeff.Bailey@  
cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2017-2026

\*\*\*\*\*

**Total Project**

**Cost:**

**\$7,625,000**

## About the Project

Annual programs needed to complete portions of existing transportation infrastructure.

- Bike Route Signing and Striping - \$275,000
- Bike Lane/Sidewalk Construction - \$550,000
- Misc. Right-of-Way Acquisition - \$1,900,000
- Small Capital Projects - \$1,000,000
- Miscellaneous Repairs - \$2,450,000
- Transportation Master Plan Update - \$200,000
- Loveland ITS Upgrade (Traffic) - \$500,000
- Signal System Interconnect (Traffic) - \$600,000
- School Flasher Units (Traffic) - \$150,000



### Funding Sources

Revenue	TABOR Excess	Streets CEF	Total
2017	202,000	538,000	740,000
2018	313,000	447,000	760,000
2019	307,000	423,000	730,000
2020	313,000	397,000	710,000
2021	307,000	363,000	670,000
2022	340,500	534,500	875,000
2023	154,500	590,500	745,000
2024	160,500	614,500	775,000
2025	334,500	510,500	845,000
2026	320,500	454,500	775,000
<b>Total</b>	<b>\$2,752,500</b>	<b>\$4,872,500</b>	<b>\$7,625,000</b>

### Project Cost Estimates by Year

Elements	Planning	Construction	Total
2017	90,000	650,000	740,000
2018	80,000	680,000	760,000
2019	60,000	670,000	730,000
2020	60,000	650,000	710,000
2021	60,000	610,000	670,000
2022	80,000	795,000	875,000
2023	80,000	665,000	745,000
2024	90,000	685,000	775,000
2025	160,000	685,000	845,000
2026	70,000	705,000	775,000
<b>Total</b>	<b>\$830,000</b>	<b>\$6,795,000</b>	<b>\$7,625,000</b>

# Transportation Bridge Maintenance Program

\*\*\*\*\*

Department:  
Public Works

Division:  
Project Engineering

Project Manager:  
Jeff Bailey

Phone Number:  
970.962.2551

Email:  
Jeff.Bailey@

Project Category:  
Annual Program

Project Number:  
NA

Duration:  
2017-2026

\*\*\*\*\*

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

### About the Project

This funding is for bridge repairs and maintenance based upon needs identified through the bi-annual bridge inspection program and additional annual inspections conducted by city staff. The bridge maintenance program is developed to address structural elements and deck repairs.



Funding Sources		
Revenue	TABOR Excess	Total
2017	100,000	100,000
<b>Total</b>	<b>\$100,000</b>	<b>\$100,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	10,000	90,000	100,000
<b>Total</b>	<b>\$10,000</b>	<b>\$90,000</b>	<b>\$100,000</b>

# Transportation Capital Projects

(US 34 WB Widening Denver to Boyd Lake)

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Jeff Bailey

Phone Number:

970.962.2551

Email:

Jeff.Bailey@  
cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2017-2018

\*\*\*\*\*

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

## About the Project

This project is for the widening of westbound US34 to include a third through lane from Denver Avenue to Boyd Lake Avenue. As part of this project, curb, gutter, and sidewalk gaps will be filled along the north side of the highway.



Design will be finalized in 2016, with right-of-way acquisition taking place in 2017, and Construction commencing in 2018.

Detailed project information is available through the Public Works Department. Costs shown are engineering estimates until projects are bid.

Funding Sources		
Revenue	TABOR Excess	Total
2017	500,000	500,000
2018	2,500,000	2,500,000
<b>Total</b>	<b>\$ 3,000,000</b>	<b>\$ 3,000,000</b>

Project Cost Estimates by Year			
Elements	Planning/ROW	Construction	Total
2017	500,000	-	500,000
2018	-	2,500,000	2,500,000
<b>Total</b>	<b>\$ 500,000</b>	<b>\$ 2,500,000</b>	<b>\$3,000,000</b>

# Transportation Capital Projects

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

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Jeff Bailey

Phone Number:

970.962.2551

Email:

Jeff.Bailey@  
cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2025-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$2,300,000**

### About the Project

The Boise Avenue – Mt. Columbia to 37th Street project includes the widening 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. This project will be constructed when traffic volumes warrant final improvements. Construction is currently planned for 2026. Detailed project information is available through the Public Works Department. Costs shown are engineering estimates until projects are bid.

Funding Sources			
Revenue	TABOR Excess	Streets CEF	Total
2025	100,000	400,000	500,000
2026	360,000	1,440,000	1,800,000
<b>Total</b>	<b>\$460,000</b>	<b>\$1,840,000</b>	<b>\$2,300,000</b>

Project Cost Estimates by Year			
Elements	Planning/ROW	Construction	Total
2025	500,000	-	500,000
2026	-	1,800,000	1,800,000
<b>Total</b>	<b>\$500,000</b>	<b>\$1,800,000</b>	<b>\$2,300,000</b>

# Transportation Capital Projects

(37th St. Improvements - US 287 to Lincoln)

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Jeff Bailey

Phone Number:

970.962.2551

Email:

Jeff.Bailey@  
cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2017-2019

\*\*\*\*\*

**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. Detailed project information is available through the Public Works Department. Costs shown are engineering estimates until projects are bid.



Funding Sources		
Revenue	Streets CEF	Total
2017	360,000	360,000
2018	430,000	430,000
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	Design/ROW	Construction	Total
2017	360,000	-	360,000
2018	430,000	-	430,000
2019	-	1,710,000	1,710,000
<b>Total</b>	<b>\$790,000</b>	<b>\$1,710,000</b>	<b>\$2,500,000</b>

# Transportation Capital Projects

## (Madison Ave. Improvements - 29th to 37th)

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Jeff Bailey

Phone Number:

970.962.2551

Email:

Jeff.Bailey@  
cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2025-2026

\*\*\*\*\*

## Total Project Cost:

# \$2,200,000

### 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 two lane rural roadway section to a three 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> Street. Portions of this area have been designed to a preliminary level. Construction is planned for 2026. Detailed project information is available through the Public Works Department. Costs shown are engineering estimates until projects are bid.



Funding Sources			
Revenue	TABOR Excess	Streets CEF	Total
2025	275,000	275,000	550,000
2026	825,000	825,000	1,650,000
<b>Total</b>	<b>\$1,100,000</b>	<b>\$1,100,000</b>	<b>\$2,200,000</b>

Project Cost Estimates by Year			
Elements	Design/ROW	Construction	Total
2025	550,000	-	550,000
2026	-	1,650,000	1,650,000
<b>Total</b>	<b>\$550,000</b>	<b>\$1,650,000</b>	<b>\$2,200,000</b>

# Transportation Capital Projects

## (Madison Ave. Improvements - Silver Leaf to 29th)

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Jeff Bailey

Phone Number:

970.962.2551

Email:

Jeff.Bailey@  
cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2021-2023

\*\*\*\*\*

**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 Street and improvements to the Madison Avenue / 29th Street Intersection. The phases



of the project are design, right-of-way (ROW) 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. Construction is planned for 2023. Detailed project information is available through the Public Works Department. Costs shown are engineering estimates until projects are bid.

Funding Sources		
Revenue	Streets CEF	Total
2021	250,000	250,000
2022	250,000	250,000
2023	1,640,000	1,640,000
<b>Total</b>	<b>\$ 2,140,000</b>	<b>\$ 2,140,000</b>

Project Cost Estimates by Year			
Elements	Planning/ROW	Construction	Total
2021	250,000	-	250,000
2022	250,000	-	250,000
2023	-	1,640,000	1,640,000
<b>Total</b>	<b>\$500,000</b>	<b>\$1,640,000</b>	<b>\$2,140,000</b>

# Transportation Capital Projects

## Miscellaneous Transportation Projects

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Jeff Bailey

Phone Number:

970.962.2551

Email:

Jeff.Bailey@  
cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2018-2020

\*\*\*\*\*

## Total Project

### Cost:

**\$2,000,000**

### About the Project

These projects are those intended to be funded by the 2016 Council supplemental appropriation for additional transportation projects intended to provide congestion relief on US34:



- 57th and Taft Intersection Improvements - \$500,000
- 37th and Monroe Intersection Improvements - \$500,000
- 29th and Madison Intersection Improvements - \$500,000
- Madison Ave Roadway Spot Improvements - \$500,000

Design and construction of two projects will occur in 2018. Design of the remaining projects will occur in 2019 with construction beginning by 2020. The delay in constructing in 2019 is that other major projects are planned for that year and it would be unwise to tie-up multiple traffic routes at one time. These projects will be further defined with the 2018 budget.

Detailed project information is available through the Public Works Department. Costs shown are engineering estimates until projects are bid.

Funding Sources		
Revenue	TABOR Excess	Total
2018	1,000,000	1,000,000
2019	1,000,000	1,000,000
<b>Total</b>	<b>\$ 2,000,000</b>	<b>\$ 2,000,000</b>

Project Cost Estimates by Year			
Elements	Planning/ROW	Construction	Total
2018	100,000	900,000	1,000,000
2019	100,000	900,000	1,000,000
<b>Total</b>	<b>\$ 200,000</b>	<b>\$ 1,800,000</b>	<b>\$2,000,000</b>

# Transportation Capital Projects

(Taft Ave./Eisenhower Blvd. Intersection Improvements)

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Jeff Bailey

Phone Number:

970.962.2551

Email:

Jeff.Bailey@  
cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2017-2019

\*\*\*\*\*

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

## About the Project

This project is a phase of the larger Taft Avenue Phase II project and consists of the installation of a new traffic signal at the Taft/Eisenhower intersection.

Improvements also include dual northbound and southbound left turn lanes and concrete medians.



Design will be finalized in 2017, with right-of-way acquisition in 2018, and construction commencing in 2019.

Detailed project information is available through the Public Works Department. Costs shown are engineering estimates until projects are bid.

Funding Sources		
Revenue	TABOR Excess	Total
2017	100,000	100,000
2018	260,000	260,000
2019	1,440,000	1,440,000
<b>Total</b>	<b>\$1,800,000</b>	<b>\$1,800,000</b>

Project Cost Estimates by Year			
Elements	Planning/ROW	Construction	Total
2017	100,000	-	100,000
2018	260,000	-	260,000
2019	-	1,440,000	1,440,000
<b>Total</b>	<b>\$360,000</b>	<b>\$1,440,000</b>	<b>\$1,800,000</b>

# Transportation Capital Projects

(US 34 Improvements Denver Ave. to I-25)

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Jeff Bailey

Phone Number:

970.962.2551

Email:

Jeff.Bailey@  
cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2020-2021

\*\*\*\*\*

**Total Project  
Cost:  
\$1,500,000**

## About the Project

This project is the completion of the design phase for the Eisenhower Boulevard (US 34) Improvements – Denver to Boyd Lake Avenue, which consists of the needed widening of Eisenhower to three lanes in each direction through this area.



The additional phases for future projects are right-of-way acquisition and construction. Estimated costs for completion of US-34 widening are \$15-\$18 million. Detailed project information is available through the Public Works Department. Costs shown are engineering estimates until projects are bid.

Funding Sources			
Revenue	TABOR Excess	Streets CEF	Total
2020	200,000	800,000	1,000,000
2021	100,000	400,000	500,000
<b>Total</b>	<b>\$ 300,000</b>	<b>\$1,200,000</b>	<b>\$1,500,000</b>

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

# Transportation Capital Projects (29th St. and Beech Dr. Improvements)

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Jeff Bailey

Phone Number:

970.962.2551

Email:

Jeff.Bailey@  
cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2017

\*\*\*\*\*

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

### 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> Street and Beech Drive 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. Detailed project information is available through the Public Works Department. Costs shown are engineering estimates until projects are bid.



Funding Sources		
Revenue	TABOR Excess	Total
2017	500,000	500,000
<b>Total</b>	<b>\$500,000</b>	<b>\$500,000</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	10,000	490,000	500,000
<b>Total</b>	<b>\$10,000</b>	<b>\$490,000</b>	<b>\$500,000</b>

# Transportation Capital Projects

(Preliminary Work for Taft Ave. Phase 2 )

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Jeff Bailey

Phone Number:

970.962.2551

Email:

Jeff.Bailey@  
cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2017-2026

\*\*\*\*\*

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

## About the Project

This project is the preliminary work needed for later improvements on Taft Avenue. This includes updating existing plans, soils testing, etc.



Taft Avenue South of US 34

When funding becomes available, the remaining Phase II

improvements consist of removal of existing city-owned dwellings, widening Taft Avenue to include left and right turn lanes as needed, bicycle lanes, curbs, gutters, medians, and sidewalks. Additionally, storm sewer improvements will be made along the project limits. Estimated remaining project costs are in the \$8-12 million range. Detailed project information is available through the Public Works Department. Costs shown are engineering estimates until projects are bid.

Funding Sources			
Revenue	TABOR Excess	Streets CEF	Total
2024	80,000	320,000	400,000
<b>Total</b>	<b>\$ 80,000</b>	<b>\$ 320,000</b>	<b>\$ 400,000</b>

Project Cost Estimates by Year		
Elements	Planning	Total
2024	400,000	400,000
<b>Total</b>	<b>\$400,000</b>	<b>\$ 400,000</b>

# Transportation Developer Reimbursements

\*\*\*\*\*

Department:

Public Works

Division:

Project Engineering

Project Manager:

Jeff Bailey

Phone Number:

970.962.2551

Email:

Jeff.Bailey@  
cityofloveland.org

Project Category:

Annual Program

Project Number:

NA

Duration:

2017-2024

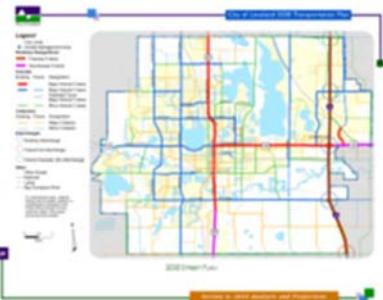
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**Total Project  
Cost:  
\$2,727,897**

## About the Project

The 2017-2026 Capital Program includes the following Developer Reimbursements:

- 43rd St. (Wilson to Cascade) - \$717,897
- US 34/Sculptor Intersection - \$905,000
- Sculptor Dr. South of US 34 - \$432,000
- Taft and 14th St. SW Intersection - \$359,000
- US 34 and Mountain. View Intersection - \$314,000



Funding Sources		
Revenue	Streets CEF	Total
2017	409,299	409,299
2018	569,299	569,299
2019	649,299	649,299
2020	374,000	374,000
2021	259,000	259,000
2022	210,000	210,000
2023	157,000	157,000
2024	100,000	100,000
<b>Total</b>	<b>\$2,727,897</b>	<b>\$2,727,897</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	409,299	409,299
2018	569,299	569,299
2019	649,299	649,299
2020	374,000	374,000
2021	259,000	259,000
2022	210,000	210,000
2023	157,000	157,000
2024	100,000	100,000
<b>Total</b>	<b>\$2,727,897</b>	<b>\$2,727,897</b>

# US 287/US 34 Integration

\*\*\*\*\*

Department:

*Public Works*

Division:

Engineering

Project Manager:

Jeff Bailey

Phone Number:

970.962.2551

Email:

[Jeff.Bailey@  
cityofloveland.org](mailto:Jeff.Bailey@cityofloveland.org)

Project Category:

Planning

Project Code:

TBD

Duration:

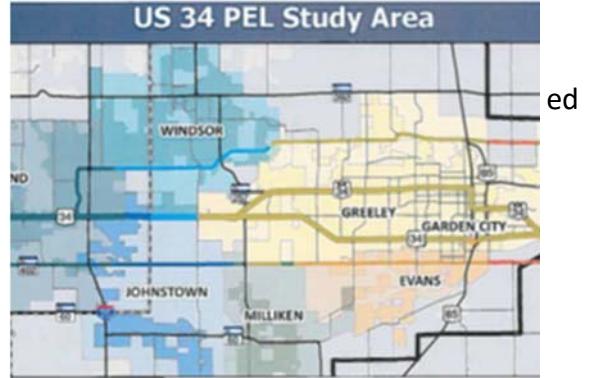
2017-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$250,000**

## About the Project

This project is part of the implementation of the US287 Strategic Plan adopted by City Council in December 2015. The Colorado Department of Transportation is coordinating a regional planning and environmental linkage study for US34. This work will include the development of an access control



plan for the highway segment that runs through Loveland. This work is funded through the North Front Range Metropolitan Planning Organization with an opportunity for member agencies to include additional projects. This City of Loveland funding will allow for an additional study component to evaluate and analyze better integration of the US34 and US287 for design in accordance with the 287 Strategic Plan.

Funding Sources		
Elements	TABOR Excess	Total
2017	250,000	250,000
<b>Total</b>	<b>\$250,000</b>	<b>\$250,000</b>

Project Cost Estimates by Year		
Ele- ments	Planning	Total
2017	250,000	250,000
<b>Total</b>	<b>\$250,000</b>	<b>\$250,000</b>

# Viestenz-Smith Mountain Park (Phase II)

\*\*\*\*\*

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 Code:  
FLPKVS

Duration:  
2017-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$1,850,600**

## About the Project

There are 19.1 acres of land adjacent to the Big Thompson River at Viestenz-Smith Mountain Park. Approximately 15 acres of the site were destroyed by the 2013 Flood.

Viestenz-Smith Mountain Park was one of the most popular area parks due to its unique setting and topography in Big Thompson Canyon. Citizens would love to see the park restored to provide services comparable to those available before the flood. Phase II proposed improvements include an expanded upper parking lot, new maintenance building, new pedestrian bridge, and connected loop trail.



Operational costs are based on Larimer County Department of Natural Resources estimates. Assumes that Larimer County will be under contract to maintain site.

Funding Sources (Phase II)		
Revenue	TABOR Excess	Total
2017	225,000	225,000
2018	1,625,600	1,625,600
<b>Total</b>	<b>\$1,850,600</b>	<b>\$1,850,600</b>

Project Cost Estimates by Year			
Elements	Design	Construction	Total
2017	225,000	-	225,000
2018	-	1,625,600	1,625,600
<b>Total</b>	<b>\$225,000</b>	<b>\$1,625,600</b>	<b>\$1,850,600</b>

Estimated Initial Operations Impact (Phase I)						
	Personnel	Supplies	Other Services	Equip/	Total	FTE
2018	67,500	16,371	20,165	1,418	105,454	contracted
<b>Total</b>	<b>\$67,500</b>	<b>\$16,371</b>	<b>\$20,165</b>	<b>\$1,418</b>	<b>\$105,454</b>	<b>contracted</b>

## The Foundry

\*\*\*\*\*

Department:  
Economic Development

Division:  
Business Development

Project Manager:  
Mike Scholl

Phone Number:  
970.962.2607

Email:  
Mike.Scholl@  
cityofloveland.org

Project Category:  
Construction

Project Code:  
EDSouthCat

Duration:  
2017—2018

\*\*\*\*\*

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

### About the Project

The City is in partnership with the Brinkman Partners to complete *The Foundry* a large scale redevelopment project in downtown Loveland that will accelerate downtown revitalization. The redevelopment projects spans three city blocks in southern downtown and is located between Lincoln and Cleveland and the area between 1st Street and the alley just south of The Rialto (Back Stage Alley). The project is anticipated to be completed late in 2018.



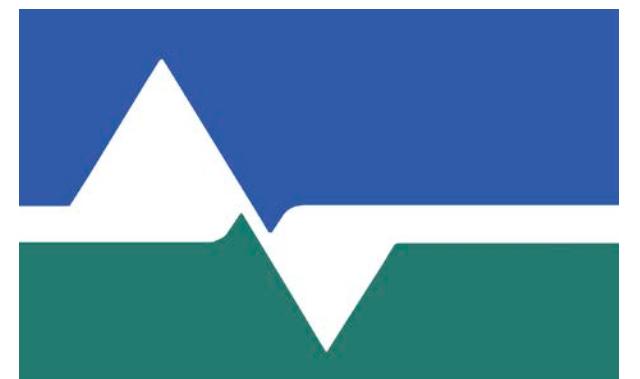
Funding Sources			
	Council Special Projects	General Fund	Total
2017	1,000,000	2,000,000	3,000,000
<b>Total</b>	<b>\$1,000,000</b>	<b>\$2,000,000</b>	<b>\$3,000,000</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	3,000,000	3,000,000
<b>Total</b>	<b>\$3,000,000</b>	<b>\$3,000,000</b>

## 2017-2026 Golf Enterprise Capital Program

	2017	2018	2019	2020	2021	Five Year Total					Ten Year Total	
						2022	2023	2024	2025	2026		
<b>Revenue</b>												
Beginning Balance	\$ 2,514,355	\$ 2,548,238	\$ 2,412,939	\$ 2,605,518	\$ 2,727,540	\$ 2,514,355	\$ 877,501	\$ 18,963,362	\$ 773,946	\$ 19,235,702	\$ 888,829	\$ 2,514,355
Operating Revenue	4,123,759	4,139,566	4,168,625	4,314,835	4,353,863	21,100,648	4,305,477	4,430,584	4,465,621	4,493,218	4,514,866	43,310,415
<b>Total Revenue</b>	<b>\$ 6,638,114</b>	<b>\$ 6,687,803</b>	<b>\$ 6,581,564</b>	<b>\$ 6,920,354</b>	<b>\$ 7,081,403</b>	<b>\$ 23,615,003</b>	<b>\$ 5,182,978</b>	<b>\$ 23,393,946</b>	<b>\$ 5,239,567</b>	<b>\$ 23,728,921</b>	<b>\$ 5,403,695</b>	<b>\$ 45,824,770</b>
<b>Expense</b>												
<b>Bricks &amp; Mortar</b>												
Cattail Creek Asset Replacement	50,000	85,500	-	-	-	135,500	-	-	-	-	-	135,500
Mariana Butte Course Renovations	-	60,000	-	-	-	60,000	32,000	-	-	-	-	92,000
Mariana Butte Asset Replacement	41,400	-	50,000	130,000	-	221,400	-	-	-	-	-	221,400
Olde Course Renovation	35,000	-	-	-	-	35,000	21,700	-	120,000	-	-	176,700
Olde Course Maintenance Building Replacement	-	-	-	-	-	-	-	-	-	48,900	611,600	660,500
Olde Course Clubhouse Replacement	-	-	-	150,000	2,209,500	2,359,500	-	-	-	-	-	2,359,500
<b>Subtotal Bricks &amp; Mortar</b>	<b>\$ 126,400</b>	<b>\$ 145,500</b>	<b>\$ 50,000</b>	<b>\$ 280,000</b>	<b>\$ 2,209,500</b>	<b>\$ 2,811,400</b>	<b>\$ 53,700</b>	<b>\$ -</b>	<b>\$ 120,000</b>	<b>\$ 48,900</b>	<b>\$ 611,600</b>	<b>\$ 3,645,600</b>
<b>New &amp; Replacement Equipment</b>												
Equipment Replacements	522,698	602,566	311,078	207,472	196,427	1,840,241	462,407	167,996	140,734	263,244	333,051	3,207,673
<b>Subtotal Equipment</b>	<b>\$ 522,698</b>	<b>\$ 602,566</b>	<b>\$ 311,078</b>	<b>\$ 207,472</b>	<b>\$ 196,427</b>	<b>\$ 1,840,241</b>	<b>\$ 462,407</b>	<b>\$ 167,996</b>	<b>\$ 140,734</b>	<b>\$ 263,244</b>	<b>\$ 333,051</b>	<b>\$ 3,207,673</b>
<b>Total</b>	<b>\$ 649,098</b>	<b>\$ 748,066</b>	<b>\$ 361,078</b>	<b>\$ 487,472</b>	<b>\$ 2,405,927</b>	<b>\$ 4,651,641</b>	<b>\$ 516,107</b>	<b>\$ 167,996</b>	<b>\$ 260,734</b>	<b>\$ 312,144</b>	<b>\$ 944,651</b>	<b>\$ 6,853,273</b>
Operating Expense	\$ 3,440,778	\$ 3,526,798	\$ 3,614,968	\$ 3,705,342	\$ 3,797,976	18,085,862	3,892,925	\$ 3,990,248	\$ 4,090,004	\$ 4,192,254	\$ 4,297,061	20,462,493
<b>Reserve for Future Capital Projects</b>	<b>\$ 2,548,238</b>	<b>\$ 2,412,939</b>	<b>\$ 2,605,518</b>	<b>\$ 2,727,540</b>	<b>\$ 877,501</b>	<b>\$ 18,963,362</b>	<b>\$ 773,946</b>	<b>\$ 19,235,702</b>	<b>\$ 888,829</b>	<b>\$ 19,224,522</b>	<b>\$ 161,983</b>	<b>\$ 38,971,497</b>

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**City of Loveland**

# 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 Code:  
TBD

Duration:  
2017-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$495,600**

## About the Project

Planned projects at Loveland's golf courses subject to cash flows in the Golf Fund. Identified projects include golf course improvements, parking lots, bunkers, tees, putting green improvements, and the repair of 13 bridges.



Funding Sources		
	Golf Fund	Total
2017	126,400	126,400
2018	145,500	145,500
2019	50,000	50,000
2022	53,700	53,700
2024	120,000	120,000
<b>Total</b>	<b>\$495,600</b>	<b>\$ 495,600</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	10,000	116,400	126,400
2018	-	145,500	145,500
2019	5,000	45,000	50,000
2022	5,500	48,200	53,700
2024	20,000	100,000	120,000
<b>Total</b>	<b>\$40,500</b>	<b>\$455,100</b>	<b>\$ 495,600</b>

# Mariana Butte Pump Station

\*\*\*\*\*

Department:  
Parks and Recreation

Division:  
Golf

Project Manager:  
Steve Southard

Phone Number:  
970.962.2454

Email:  
Steve.Southard@  
cityofloveland.org

Project Category:  
Construction

Project Code:  
TBD

Duration:  
2020

\*\*\*\*\*

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

## About the Project

This pump station was installed in 1991. Average pump station life expectancy is 15-20 years.

This pump station will be stretched to 30 years. Severe corrosion is expected after 30 years of commercial operation and the new technology of variable frequency drives will reduce energy use. This pump station is critical because it is the source of fire protection for the Mariana Butte clubhouse. The city water supply is inadequate because of the elevation of the clubhouse (which adversely affects water pressure). The replacement of this pump station will have no additional operating budget impacts.



Funding Sources		
Elements	Golf Fund	Total
2020	130,000	130,000
<b>Total</b>	<b>\$130,000</b>	<b>\$130,000</b>

Project Cost Estimates by Year			
Elements	Design/Planning	Construction	Total
2020	15,000	115,000	130,000
<b>Total</b>	<b>\$15,000</b>	<b>\$115,000</b>	<b>\$130,000</b>

# Olde Course Building Projects

\*\*\*\*\*

Department:  
Parks and Recreation

Division:  
Golf

Project Manager:  
Steve Southard

Phone Number:  
970.962.2454

Email:  
Steve.Southard@  
cityofloveland.org

Project Category:  
Construction

Project Code:

TBD

Duration:  
2020-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$3,020,000**

## About the Project

The clubhouse and maintenance building at the Olde Course are both in need of replacement. The current clubhouse is over 60 years old and should be replaced with a new facility that offers greater capacity for guests and an indoor instruction area.



The Olde Course maintenance building is currently over 55 years old. It is too small for our current needs, is in poor condition, and does not meet modern building codes. Many safety issues exist including electrical problems and construction that is out of code.

The replacement of these facilities will have no additional operating budget impacts.

Funding Sources		
Elements	Golf Fund	Total
2020	150,000	150,000
2021	2,209,500	2,209,500
2025	48,900	48,900
2026	611,600	611,600
<b>Total</b>	<b>\$3,020,000</b>	<b>\$3,020,000</b>

Project Cost Estimates by Year			
Elements	Design/Planning	Construction	Total
2020	150,000	-	150,000
2021	-	2,209,500	2,209,500
2025	48,900	-	48,900
2026	-	611,600	611,600
<b>Total</b>	<b>\$198,900</b>	<b>\$2,821,000</b>	<b>\$3,020,000</b>

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## 2017-2026 Power Utility Capital Program

	2017	2018	2019	2020	2021	Five Year Total	2022	2023	2024	2025	2026	Ten Year Total
<b>Revenue</b>												
<b>Beginning Balance</b>	\$ 14,562,219	\$ 9,609,280	\$ 10,058,546	\$ 11,241,366	\$ 12,365,427	\$ 14,562,219	\$ 19,362,042	\$ 27,730,285	\$ 21,002,671	\$ 22,844,044	\$ 21,612,137	\$ 14,562,219
Operating Revenues	5,021,841	6,477,216	6,889,650	7,693,490	10,239,970	36,322,167	11,179,730	12,112,170	13,138,660	14,204,710	15,432,100	102,389,537
Aid to Construction	1,830,000	1,587,670	1,856,580	1,925,620	1,999,030	9,198,900	2,075,230	2,154,340	2,236,460	2,321,720	2,410,220	20,396,870
Customer deposits - Service Installations	310,000	321,680	332,680	345,050	358,220	1,667,630	371,870	386,030	400,760	416,030	431,890	3,674,210
Payback from Water	806,250	795,000	783,750	772,500	761,250	3,918,750	-	-	-	-	-	3,918,750
PIF Collections	2,748,480	2,902,150	3,068,570	3,248,610	3,443,210	15,411,020	3,653,350	3,880,080	4,124,490	4,387,760	4,664,280	36,120,980
Interest on Investments/Income	254,840	204,190	264,040	323,190	432,790	1,479,050	774,480	1,178,540	918,870	1,159,780	1,108,890	6,619,610
<b>Total Revenue</b>	<b>\$ 25,533,630</b>	<b>\$ 21,897,186</b>	<b>\$ 23,253,816</b>	<b>\$ 25,549,826</b>	<b>\$ 29,599,897</b>	<b>\$ 125,834,355</b>	<b>\$ 37,416,702</b>	<b>\$ 47,441,445</b>	<b>\$ 41,821,911</b>	<b>\$ 45,334,044</b>	<b>\$ 45,659,517</b>	<b>\$ 187,682,176</b>
<b>Expense</b>												
<b>Bricks &amp; Mortar</b>												
Security Gates and Fences at Substations	500,000	518,850	536,580	556,539	577,755	2,689,724	599,779	622,642	-	-	-	3,912,144
Substation Projects	550,000	311,310	241,460	-	-	1,102,770	-	-	-	-	-	1,102,770
East Substation - Order & Install New Transformer to Replace Existing Transformer	-	-	-	1,113,080	-	1,113,080	-	-	-	-	-	1,113,080
Foothills Substation - Order & Install 2 Additional Transformers	-	-	-	-	-	-	-	-	-	6,039,150	-	6,039,150
Extension of Underground Transmission Line	-	-	-	-	-	-	14,154,070	-	-	5,224,472	-	19,378,542
Customer Aid-to-Construction	1,830,000	1,587,670	1,856,580	1,925,620	1,999,030	9,198,900	2,075,230	2,154,340	2,236,460	2,321,720	2,410,220	20,396,870
Miscellaneous Feeder Extensions - General	150,000	155,650	214,630	278,270	288,880	1,087,430	299,890	311,320	323,190	335,510	348,300	2,705,640
Miscellaneous Feeder Extensions - PIF	150,000	155,650	160,980	166,960	173,330	806,920	179,930	186,790	193,910	201,310	208,980	1,777,840
Cable Replacement Projects	375,000	389,130	402,440	2,253,980	2,166,580	5,587,130	2,261,160	3,331,130	4,556,960	4,126,750	4,284,070	24,147,200
Install System Tie from Cascade West along Highway 34	500,000	-	-	-	-	500,000	-	-	-	-	-	500,000
Canyon Conversion	750,000	726,380	-	-	-	1,476,380	-	-	-	-	-	1,476,380
Feeder Extension for Foothills Substation	20,000	1,110,330	-	-	-	1,130,330	-	-	-	-	-	1,130,330
Overhead to Underground Conversion Projects	1,430,000	570,730	3,155,120	1,847,700	1,346,170	8,349,720	59,980	1,183,020	12,930	523,390	-	10,129,040
Downtown Area Upgrades - Overhead to Underground Conversion	1,400,000	1,006,560	-	-	-	2,406,560	-	-	-	-	-	2,406,560
Miscellaneous Small Projects	100,000	103,770	107,320	278,270	288,880	878,240	299,890	311,320	323,190	335,510	348,300	2,496,450
Reconductor Line on N. Taft Ave.	-	-	504,660	-	-	504,660	-	-	-	-	-	504,660
Extension of Feeder from 14th St SW to Hwy 60 along Hwy 287	1,100,000	-	-	-	-	1,100,000	-	-	-	-	-	1,100,000
Valley Substation New Switchgear & Transformer	-	-	-	1,947,890	577,750	2,525,640	-	-	-	-	-	2,525,640
East Substation New Switchgear Lineup Order and Installation	750,000	518,850	-	-	-	1,268,850	-	-	-	-	-	1,268,850
New Substation in SE Service Territory (near I-25 & Hwy 402)	-	-	-	-	-	-	-	-	7,983,000	-	-	7,983,000
New Substation in SW Service Territory (near Boedecker Lake)	-	-	-	-	-	-	-	-	-	5,007,240	-	5,007,240
Land Purchase for New Substation	1,700,000	-	-	-	-	1,700,000	-	-	-	-	-	1,700,000
Foothills Substation - New Transformer Order and Installation	-	-	1,395,120	-	-	1,395,120	-	-	-	-	-	1,395,120
Feeder from Horseshoe Substation for Development	1,500,000	1,556,540	-	-	-	3,056,540	-	-	-	-	-	3,056,540
Install New Conduits from Byrd Dr to I-25 Frontage Rd	-	-	-	1,001,770	-	1,001,770	-	-	-	-	-	1,001,770
Install New Feeder from MCR to Kendall Pkwy & I-25	800,000	-	-	-	-	800,000	-	-	-	-	-	800,000
Install New Cable and Conduit from Garfield to CR 11	-	-	-	-	-	-	-	996,230	-	-	-	996,230
Install new Cable and Conduit from 57th and Taft to Vault	-	-	-	-	-	-	59,980	871,700	-	-	-	931,680
Install New Conduit from Foothills Substation along W. 22nd	20,000	1,556,540	-	-	-	1,576,540	-	-	-	-	-	1,576,540
Extend New Feeders from Valley Substation into System	-	-	-	-	57,780	57,780	1,679,380	-	-	-	-	1,737,160
Extend Feeders from New SE Substation into System	-	-	-	-	-	-	-	-	38,780	2,375,400	-	2,414,180
Extend Feeders from New Boedecker Substation into System	-	-	-	-	-	-	-	-	-	26,840	2,089,790	2,116,630
Duct Bank & Cable from Madison E. on 37th to CR11C and N. to CR30	-	-	-	-	-	-	-	62,260	969,570	-	-	1,031,830
Extend New Feeders along CR 11 from 57th St to CR 30	-	-	-	22,260	901,300	923,560	-	-	-	-	-	923,560
Extend New Feeders along CR 11 from Boyd Lake Ave to CR 30	-	-	1,609,750	-	-	1,609,750	-	-	-	-	-	1,609,750
Install Overhead Distribution Lines	25,000	25,940	26,830	27,830	28,890	134,490	29,990	31,130	32,320	33,550	34,830	296,310
Underground Distribution Lines	70,000	72,640	75,120	77,920	80,890	376,570	83,970	87,170	90,490	93,940	97,520	829,660
Meter Purchases/Installs/Upgrades	150,000	155,650	160,980	166,960	173,330	806,920	179,930	186,790	193,910	201,310	208,980	1,777,840
Substation Improvement Projects	75,000	77,830	80,490	83,480	86,660	403,460	89,970	93,400	96,960	100,650	104,490	888,930

## 2017-2026 Power Utility Capital Program

	2017	2018	2019	2020	2021	Five Year					Ten Year	
						Total	2022	2023	2024	2025	2026	Total
Street Lights & Yard Lights	70,000	72,640	75,120	77,920	80,890	<b>376,570</b>	83,970	87,170	90,490	93,940	97,520	<b>829,660</b>
Overhead Service Installations/Upgrades	10,000	10,380	10,730	11,130	11,560	<b>53,800</b>	12,000	12,450	12,930	13,420	13,930	<b>118,530</b>
Underground Service Installations/Upgrades	250,000	259,420	268,290	278,270	288,880	<b>1,344,860</b>	299,890	311,320	323,190	335,510	348,300	<b>2,963,070</b>
Temporary Service Installations	50,000	51,880	53,660	55,650	57,780	<b>268,970</b>	59,980	62,260	64,640	67,100	69,660	<b>592,610</b>
Distribution Automation	110,000	114,150	118,050	122,440	127,110	<b>591,750</b>	131,950	136,980	142,200	147,620	153,250	<b>1,303,750</b>
Energy Diversification Projects	300,000	311,310	321,950	333,920	346,650	<b>1,613,830</b>	599,779	622,642	646,377	671,017	696,596	<b>4,850,241</b>
Streetlight Projects - Arterials/Major Collectors	150,000	155,650	160,980	166,960	173,330	<b>806,920</b>	179,930	186,790	193,910	201,310	208,980	<b>1,777,840</b>
Streetlight Projects - Customer Requests/Miscellaneous Projects/LED Installation Program	200,000	207,540	214,630	222,620	231,100	<b>1,075,890</b>	239,910	249,060	258,550	268,410	278,640	<b>2,370,460</b>
Demand Response	150,000	55,650	260,980	166,960	173,330	<b>806,920</b>	179,930	186,790	193,910	201,310	208,980	<b>1,777,840</b>
Triple Stack on ckt 614 - Sub to Sub Tie with Crossroads 2	100,000	-	-	-	-	<b>100,000</b>	-	-	-	-	-	<b>100,000</b>
<b>Subtotal Bricks &amp; Mortar</b>	<b>\$ 15,335,000</b>	<b>\$ 11,838,640</b>	<b>\$ 12,012,450</b>	<b>\$ 13,184,399</b>	<b>\$ 10,237,855</b>	<b>\$ 62,608,344</b>	<b>\$ 9,686,417</b>	<b>\$ 26,438,774</b>	<b>\$ 18,977,867</b>	<b>\$ 23,721,907</b>	<b>\$ 17,435,808</b>	<b>\$ 158,869,117</b>
<b>Software &amp; Technology Projects</b>												
Copier Replacement	25,000						<b>25,000</b>					<b>25,000</b>
Stand Alone Server	44,350											<b>44,350</b>
Miscellaneous Hardware Failures	7,500											<b>7,500</b>
<b>Sub-Total Software &amp; Technology</b>	<b>76,850</b>	-	-	-	-		<b>76,850</b>	-	-	-	-	<b>76,850</b>
<b>New &amp; Replacement Equipment</b>												
Crane Truck to Replace Vehicle #5307	360,000	-	-	-	-		<b>360,000</b>	-	-	-	-	<b>360,000</b>
4WD UB to Replace Vehicle #5120	44,000											<b>44,000</b>
4WD UB to Replace Vehicle #5128	83,500											<b>83,500</b>
2WD PU to Replace Vehicle #5117	25,000	-	-	-	-		<b>25,000</b>	-	-	-	-	<b>25,000</b>
<b>Subtotal Equipment</b>	<b>\$ 512,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		<b>\$ 512,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 512,500</b>
<b>Total</b>	<b>\$ 15,924,350</b>	<b>\$ 11,838,640</b>	<b>\$ 12,012,450</b>	<b>\$ 13,184,399</b>	<b>\$ 10,237,855</b>	<b>\$ 63,197,694</b>	<b>\$ 9,686,417</b>	<b>\$ 26,438,774</b>	<b>\$ 18,977,867</b>	<b>\$ 23,721,907</b>	<b>\$ 17,435,808</b>	<b>\$ 159,458,467</b>
<b>Reserve for Future Capital Projects</b>	<b>\$ 9,609,280</b>	<b>\$ 10,058,546</b>	<b>\$ 11,241,366</b>	<b>\$ 12,365,427</b>	<b>\$ 19,362,042</b>	<b>\$ 62,636,661</b>	<b>\$ 27,730,285</b>	<b>\$ 21,002,671</b>	<b>\$ 22,844,044</b>	<b>\$ 21,612,137</b>	<b>\$ 28,223,709</b>	<b>\$ 28,223,709</b>

# Security Gates and Fences at Substations

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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:  
2017-2023

\*\*\*\*\*

**Total Project  
Cost:  
\$3,912,144**

## About the Project

This project is for the replacement of the fencing around the City owned substations. The intent is to increase the security of the substations along with enhancing the look.



Funding Sources		
Revenue	Power Fund	Total
2017	500,000	500,000
2018	518,850	518,850
2019	536,580	536,580
2020	556,539	556,539
2021	577,755	577,755
2022	599,779	599,779
2023	622,642	622,642
<b>Total</b>	<b>\$3,912,144</b>	<b>\$3,912,144</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	500,000	500,000
2018	518,850	518,850
2019	536,580	536,580
2020	556,539	556,539
2021	577,755	577,755
2022	599,779	599,779
2023	622,642	622,642
<b>Total</b>	<b>\$3,912,144</b>	<b>\$3,912,144</b>

# Substation Projects

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW911

Duration:

2017-2019

\*\*\*\*\*

**Total Project  
Cost:  
\$1,102,770**

## About the Project

This project includes the installation of annunciators at the substations, the replacement of relays at the substations and small extension projects to connect substations to the distribution system.



Funding Sources		
Revenue	Power Fund	Total
2017	550,000	550,000
2018	311,310	311,310
2019	241,460	241,460
<b>Total</b>	<b>\$2,898,767</b>	<b>\$1,102,770</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	550,000	550,000
2018	311,310	311,310
2019	241,460	241,460
<b>Total</b>	<b>\$1,102,770</b>	<b>\$1,102,770</b>

**East Substation  
Order & Install  
Transformer to Replace  
Existing Transformer**

\*\*\*\*\*

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:**

**\$1,113,080**

**About the Project**

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



Funding Sources		
Revenue	Power Fund	Total
2020	1,113,080	1,113,080
<b>Total</b>	<b>\$1,113,080</b>	<b>\$1,113,080</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2020	1,113,080	1,113,080
<b>Total</b>	<b>\$1,098,850</b>	<b>\$1,113,080</b>

# Foothills Substation Order & Install 2 Additional Trans-

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW911

Duration:

2025

\*\*\*\*\*

**Total Project  
Cost:  
\$6,039,150**

## About the Project

This project is for the purchase and installation of a two new transformers to be located at the new Foothills Substation. Once these are installed the electric load from West Substation will be transferred to the Foothills Substation in preparation to retire West Substation.



Funding Sources		
Revenue	Power Fund	Total
2025	6,039,150	6,039,150
<b>Total</b>	<b>6,039,150</b>	<b>6,039,150</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2025	6,039,150	6,039,150
<b>Total</b>	<b>6,039,150</b>	<b>6,039,150</b>

# Extension of Underground Transmission Line

\*\*\*\*\*

Department:  
Water & Power

Division:  
Power

Project Manager:  
Brieana.Reed-Harmel

Phone Number:  
970.962.3592

Email:  
Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:  
Construction

Project Number:  
PW911

Duration:  
2023-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$19,378,542**

## About the Project

This project will extend the transmission line to a future substation to be located 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	Total
2023	14,154,070	14,154,070
2026	5,224,472	5,224,472
<b>Total</b>	<b>\$19,378,542</b>	<b>\$19,378,542</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2023	14,154,070	14,154,070
2026	5,224,472	5,224,472
<b>Total</b>	<b>\$19,378,542</b>	<b>\$19,378,542</b>

# Customer Aid-to-Construction

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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:

PW912

Duration:

2017-2026

\*\*\*\*\*

**Total Project**

**Cost:**

**\$20,396,870**

## About the Project

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



Funding Sources		
Revenue	Power Fund	Total
2017	1,830,000	1,830,000
2018	1,587,670	1,587,670
2019	1,856,580	1,856,580
2020	1,925,620	1,925,620
2021	1,999,030	1,999,030
2022	2,075,230	2,075,230
2023	2,154,340	2,154,340
2024	2,236,460	2,236,460
2025	2,321,720	2,321,720
2026	2,410,220	2,410,220
<b>Total</b>	<b>\$20,396,870</b>	<b>\$20,396,870</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	1,830,000	1,830,000
2018	1,587,670	1,587,670
2019	1,856,580	1,856,580
2020	1,925,620	1,925,620
2021	1,999,030	1,999,030
2022	2,075,230	2,075,230
2023	2,154,340	2,154,340
2024	2,236,460	2,236,460
2025	2,321,720	2,321,720
2026	2,410,220	2,410,220
<b>Total</b>	<b>\$20,396,870</b>	<b>\$20,396,870</b>

# Miscellaneous Feeder Extensions (General and PIF)

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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:

PW 913A & PW921A

Duration:

2017-2026

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**Total Project**

**Cost:**

**\$4,483,480**

## 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
2017	150,000	150,000	300,000
2018	155,650	155,650	311,300
2019	214,630	160,980	375,610
2020	278,270	166,960	445,230
2021	288,880	173,330	462,210
2022	299,890	179,930	479,820
2023	311,320	186,790	498,110
2024	323,190	193,910	517,100
2025	335,510	201,310	536,820
2026	348,300	208,980	557,280
<b>Total</b>	<b>\$2,705,640</b>	<b>\$1,777,840</b>	<b>\$4,483,480</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	300,000	300,000
2018	311,300	311,300
2019	375,610	375,610
2020	445,230	445,230
2021	462,210	462,210
2022	479,820	479,820
2023	498,110	498,110
2024	517,100	517,100
2025	536,820	536,820
2026	557,280	557,280
<b>Total</b>	<b>\$4,483,480</b>	<b>\$4,483,480</b>

# Cable Replacement Projects

\*\*\*\*\*

Department:  
Water & Power

Division:  
Power

Project Manager:  
Garth Silvernale

Phone Number:  
970.962.3580

Email:  
Garth.Silvernale@  
cityofloveland.org

Project Category:  
Construction

Project Number:  
PW913

Duration:  
2017-2026

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**Total Project  
Cost:  
\$24,147,200**

## About the Project

These projects are to replace aging cable at various locations in the City. This cable is older and often times direct buried cable rather than in a conduit system. The Power Department has experienced reliability issues at these locations in the past due to the aging cable.



Funding Sources		
Revenue	Power Fund	Total
2017	375,000	375,000
2018	389,130	389,130
2019	402,440	402,440
2020	2,253,980	2,253,980
2021	2,166,580	2,166,580
2022	2,261,160	2,261,160
2023	3,331,130	3,331,130
2024	4,556,960	4,556,960
2025	4,126,750	4,126,750
2026	4,284,070	4,284,070
<b>Total</b>	<b>\$24,147,200</b>	<b>\$24,147,200</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	375,000	375,000
2018	389,130	389,130
2019	402,440	402,440
2020	2,253,980	2,253,980
2021	2,166,580	2,166,580
2022	2,261,160	2,261,160
2023	3,331,130	3,331,130
2024	4,556,960	4,556,960
2025	4,126,750	4,126,750
2026	4,284,070	4,284,070
<b>Total</b>	<b>\$24,147,200</b>	<b>\$24,147,200</b>

# Install System Tie from Cascade West along Highway 34

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3661

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW913

Duration:

2017

\*\*\*\*\*

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

## About the Project

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



Funding Sources		
Revenue	Power Fund	Total
2017	\$500,000	\$500,000
<b>Total</b>	\$500,000	\$500,000

Project Cost Estimates by Year		
Elements	Construction	Total
2017	\$500,000	\$500,000
<b>Total</b>	\$500,000	\$500,000

# Canyon Conversion

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Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW913

Duration:

2017-2018

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**Total Project  
Cost:  
\$1,476,380**

## About the Project

This project is to convert the electrical lines in the Big Thompson Canyon to 12.47 KV voltage. This conversion will add reliability to the electric system in the canyon and help the Power Department reduce warehousing costs.



Funding Sources		
Revenue	Power Fund	Total
2017	750,000	750,000
2018	726,380	726,380
<b>Total</b>	<b>\$1,476,380</b>	<b>\$1,476,380</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	50,000	700,000	750,000
2018	-	726,380	726,380
<b>Total</b>	<b>\$50,000</b>	<b>\$1,426,380</b>	<b>\$1,476,380</b>

# Feeder Extension for Foothills Substation

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3592

Email:

Briana.Reed-Harmel@  
cityofloveland.org

Project Category:

Engineering / Construction

Project Number:

PW913

Duration:

2017-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$1,130,330**

## About the Project

This project is to extend a feeder from 14th Street SW to Highway 60 along Highway 287 to serve load in the southeast part of the Growth Management Area (GMA).



Funding Sources		
Revenue	Power Fund	Total
2017	20,000	20,000
2018	1,110,330	1,110,330
<b>Total</b>	<b>\$1,130,330</b>	<b>\$1,130,330</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2017	20,000	-	20,000
2018	-	1,110,330	1,110,330
<b>Total</b>	<b>\$20,000</b>	<b>\$1,110,330</b>	<b>\$1,130,330</b>

# Overhead to Underground Conversion Projects

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Briana Reed-Harmel

Phone Number:

970.962.3592

Email:

Briana.Reed-Harmel@  
cityofloveland.org

Project Category:

Engineering / Construction

Project Number:

PW914

Duration:

2017-2025

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**Total Project  
Cost:  
\$10,129,040**

## About the Project

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



Funding Sources		
Revenue	Power Fund	Total
2017	1,430,000	1,430,000
2018	570,730	570,730
2019	3,155,120	3,155,120
2020	1,847,700	1,847,700
2021	1,346,170	1,346,170
2022	59,980	59,980
2023	1,183,020	1,183,020
2024	12,930	12,930
2025	523,390	523,390
<b>Total</b>	<b>\$10,129,040</b>	<b>\$10,129,040</b>

Project Cost Estimates by Year			
Elements	Engineering	Construction	Total
2017	30,000	1,400,000	1,430,000
2018	83,020	487,710	570,730
2019	10,730	3,144,390	3,155,120
2020	77,910	1,769,790	1,847,700
2021	-	1,346,170	1,346,170
2022	59,980	-	59,980
2023	-	1,183,020	1,183,020
2024	12,930	-	12,930
2025	-	523,390	523,390
<b>Total</b>	<b>\$274,570</b>	<b>\$9,854,470</b>	<b>\$10,129,040</b>

## Downtown Area Upgrades - Overhead to Underground

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Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW914

Duration:

2017-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$2,406,560**

### About the Project

The scope of this project is related to the Downtown Catalyst project for the City. This will convert the overhead infrastructure to underground in this area.



Funding Sources		
Revenue	Power Fund	Total
2017	1,400,000	1,400,000
2018	1,006,560	1,006,560
<b>Total</b>	<b>\$2,406,560</b>	<b>\$2,406,560</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	1,400,000	1,400,000
2018	1,006,560	1,006,560
<b>Total</b>	<b>\$2,406,560</b>	<b>\$2,406,560</b>

# Miscellaneous Small Projects

\*\*\*\*\*

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:  
PW913

Duration:  
2017-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$2,496,450**

## 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	Total
2017	100,000	100,000
2018	103,770	103,770
2019	107,320	107,320
2020	278,270	278,270
2021	288,880	288,880
2022	299,890	299,890
2023	311,320	311,320
2024	323,190	323,190
2025	335,510	335,510
2026	348,300	348,300
<b>Total</b>	<b>\$2,496,450</b>	<b>\$2,496,450</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	100,000	100,000
2018	103,770	103,770
2019	107,320	107,320
2020	278,270	278,270
2021	288,880	288,880
2022	299,890	299,890
2023	311,320	311,320
2024	323,190	323,190
2025	335,510	335,510
2026	348,300	348,300
<b>Total</b>	<b>\$2,496,450</b>	<b>\$2,496,450</b>

# Reconductor Line on N. Taft Ave.

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3661

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW913

Duration:

2019

\*\*\*\*\*

**Total Project  
Cost:  
\$504,660**

## About the Project

This project will replace re-conductor cable that is undersized and beyond its useful life, to accommodate increased usage between Eisenhower and the Arkins Railroad along Taft Avenue from Railroad Right-of-Way to Eisenhower).



Funding Sources		
Revenue	Power Fund	Total
2019	504,660	504,660
<b>Total</b>	504,660	504,660

Project Cost Estimates by Year		
Elements	Construction	Total
2019	504,660	504,660
<b>Total</b>	504,660	504,660

# Extension of Feeder from 14th St SW to Hwy 60 along Hwy 287

\*\*\*\*\*

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:

PW913

Duration:

2017

\*\*\*\*\*

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

## About the Project

This project is to extend a feeder from 14th Street SW to Highway 60 along Highway 287 to serve load in the southeast part of the Growth Management Area (GMA).



Funding Sources		
Revenue	Power Fund	Total
2017	1,100,000	1,100,000
<b>Total</b>	<b>1,100,000</b>	<b>1,100,000</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	1,100,000	1,100,000
<b>Total</b>	<b>1,100,000</b>	<b>1,100,000</b>

# Valley Substation New Switchgear & Transformer

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW920

Duration:

2020-2021

\*\*\*\*\*

**Total Project  
Cost:  
\$2,525,640**

## About the Project

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



Funding Sources		
Revenue	Plant Investment Fee	Total
2020	1,947,890	1,947,890
2021	577,750	577,750
<b>Total</b>	<b>\$2,525,640</b>	<b>\$2,525,640</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2020	1,947,890	1,947,890
2021	577,750	577,750
<b>Total</b>	<b>\$2,525,640</b>	<b>\$2,525,640</b>

## East Substation New Switchgear Lineup Order and Installation

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW920

Duration:

2017-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$1,268,850**

### 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	Plant Investment Fee	Total
2017	750,000	750,000
2018	518,850	518,850
<b>Total</b>	<b>\$1,268,850</b>	<b>\$1,268,850</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	750,000	750,000
2018	518,850	518,850
<b>Total</b>	<b>\$1,268,850</b>	<b>\$1,268,850</b>

# New Substation in SE Service Territory

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW920

Duration:

2024

\*\*\*\*\*

**Total Project  
Cost:  
\$7,983,000**

## About the Project

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



Funding Sources		
Revenue	Plant Investment Fee	Total
2024	7,983,000	7,983,000
<b>Total</b>	<b>\$7,983,000</b>	<b>\$7,983,000</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2024	7,983,000	7,983,000
<b>Total</b>	<b>\$7,983,000</b>	<b>\$7,983,000</b>

# New Substation in SW Service Territory

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW920

Duration:

2025

\*\*\*\*\*

**Total Project  
Cost:  
\$5,007,240**

## 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 southwest portion of the service territory.



Funding Sources		
Revenue	Plant Investment Fee	Total
2025	5,007,240	5,007,240
<b>Total</b>	<b>\$5,007,240</b>	<b>\$5,007,240</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2025	5,007,240	5,007,240
<b>Total</b>	<b>\$5,007,240</b>	<b>\$5,007,240</b>

# Land Purchase for New Substation

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Bob Miller

Phone Number:

970.962.3580

Email:

Bob.Miller@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW920

Duration:

2017

\*\*\*\*\*

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

## About the Project

This project is for the purchase of land for new substations.



Funding Sources		
Revenue	Plant Investment Fee	Total
2017	1,700,000	1,700,000
<b>Total</b>	<b>\$1,700,000</b>	<b>\$1,700,000</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	1,700,000	1,700,000
<b>Total</b>	<b>\$1,700,000</b>	<b>\$1,700,000</b>

## Foothills Substation - New Transformer Order and Installation

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW920

Duration:

2019

\*\*\*\*\*

**Total Project  
Cost:  
\$1,395,120**

### About the Project

This project is for the purchase and installation of a new transformer at the Foothills Substation.



Funding Sources		
Revenue	Plant Investment Fee	Total
2019	1,395,120	1,395,120
<b>Total</b>	1,395,120	1,395,120

Project Cost Estimates by Year		
Elements	Construction	Total
2019	1,395,120	1,395,120
<b>Total</b>	1,395,120	1,395,120

# Feeder from Horseshoe Substation for Development

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW921

Duration:

2017-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$3,056,540**

## About the Project

This project is for the installation of a 600 amp feeder from Horseshoe Substation west to serve existing and future development in the northwest area of Loveland (Woodward/Lee Farms Subdivision).



Funding Sources		
Revenue	Plant Investment Fee	Total
2017	1,500,000	1,500,000
2018	1,556,540	1,556,540
<b>Total</b>	<b>\$3,056,540</b>	<b>\$3,056,540</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	1,500,000	1,500,000
2018	1,556,540	1,556,540
<b>Total</b>	<b>\$3,056,540</b>	<b>\$3,056,540</b>

## Install New Conduits from Byrd Drive to I-25 Frontage Road

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW921

Duration:

2020

\*\*\*\*\*

**Total Project  
Cost:  
\$1,001,770**

### About the Project

This project is for the installation of new conduits from Byrd Drive to the I-25 Frontage Road to connect Kendall Parkway (sub to sub tie between Crossroads and Airport).



Funding Sources		
Revenue	Plant Investment Fee	Total
2020	1,001,770	1,001,770
<b>Total</b>	<b>\$1,001,770</b>	<b>\$1,001,770</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2020	1,001,770	1,001,770
<b>Total</b>	<b>\$1,001,770</b>	<b>\$1,001,770</b>

## Install New Feeder from MCR to Kendall Parkway & I-25

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Construction

Project Number:

PW921

Duration:

2017

\*\*\*\*\*

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

### About the Project

This project is for the installation of new 750 aluminum from Medical Center of the Rockies to Kendall Parkway & I-25. This will create a sub-to-sub tie between Crossroads and Airport Substations.



Funding Sources		
Revenue	Plant Investment Fee	Total
2017	800,000	800,000
<b>Total</b>	<b>\$800,000</b>	<b>\$800,000</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	800,000	800,000
<b>Total</b>	<b>\$800,000</b>	<b>\$800,000</b>

## Install New Cable and Conduit from Garfield to CR 11

\*\*\*\*\*

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:

PW921

Duration:

2023

\*\*\*\*\*

**Total Project  
Cost:  
\$996,230**

### About the Project

This project is part of the sub-to-sub tie between Crossroads and Horseshoe Substation. This is for the installation of a new conduit bank and 750 aluminum from Garfield to CR 11. This will improve system reliability and accommodate growth along CR30.



Funding Sources		
Revenue	Plant Investment Fee	Total
2023	996,230	996,230
<b>Total</b>	<b>\$996,230</b>	<b>\$996,230</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2023	996,230	996,230
<b>Total</b>	<b>\$996,230</b>	<b>\$996,230</b>

## Install New Cable and Conduit from 57th & Taft to Vault

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2022-2023

\*\*\*\*\*

**Total Project  
Cost:  
\$931,680**

### About the Project

This project is part of the sub-to-sub tie between Crossroads and Horseshoe Substation. This is for the installation of new conduit bank and 750 aluminum from 57th and Taft connecting to vault 1780. This will improve system reliability and accommodate growth along CR30.



Funding Sources		
Revenue	Plant Investment Fee	Total
2022	59,980	59,980
2023	871,700	871,700
<b>Total</b>	<b>\$931,680</b>	<b>\$931,680</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2022	59,980	-	59,980
2023	-	871,700	871,700
<b>Total</b>	<b>\$59,980</b>	<b>\$871,700</b>	<b>\$931,680</b>

# Install New Conduit from Foothills Substation along W. 22nd

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2017-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$1,576,540**

## About the Project

Installation of new conduit along West 22nd Street going east from Rio Blanco to Van Buren to connect the new Foothills Substation to the electric distribution system.



Funding Sources		
Revenue	Plant Investment Fee	Total
2017	20,000	20,000
2018	1,556,540	1,556,540
<b>Total</b>	<b>\$1,576,540</b>	<b>\$1,576,540</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2017	20,000	-	20,000
2018	-	1,556,540	1,556,540
<b>Total</b>	<b>\$20,000</b>	<b>\$1,556,540</b>	<b>\$1,576,540</b>

## Extend New Feeders from Valley Substation into System

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2021-2022

\*\*\*\*\*

### Total Project

### Cost:

# \$1,737,160

### About the Project

This project is to extend new feeders, which will begin at Valley Substation and will extend into the system to accommodate growth in the southeast portion of Loveland and south of downtown.



Funding Sources		
Revenue	Plant Investment Fee	Total
2021	57,780	57,780
2022	1,679,380	1,679,380
<b>Total</b>	<b>\$1,737,160</b>	<b>\$1,737,160</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2021	57,780	-	57,780
2022	-	1,679,380	1,679,380
<b>Total</b>	<b>\$57,780</b>	<b>\$1,679,380</b>	<b>\$1,737,160</b>

# Extend Feeders from New SE Substation into System

\*\*\*\*\*

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:

PW921

Duration:

2024-2025

\*\*\*\*\*

**Total Project  
Cost:  
\$2,414,180**

## About the Project

This project is for new feeders to begin at the New Southeast Substation and will extend into the system to accommodate growth in the far southeast portion of Loveland near CR60.



Funding Sources		
Revenue	Plant Investment Fee	Total
2024	38,780	38,780
2025	2,375,400	2,375,400
<b>Total</b>	<b>\$2,414,180</b>	<b>\$2,414,180</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2024	38,780	-	38,780
2025	-	2,375,400	2,375,400
<b>Total</b>	<b>\$38,780</b>	<b>\$2,375,400</b>	<b>\$2,414,180</b>

## Extend Feeders from New Boedecker Substation into System

\*\*\*\*\*

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:

PW921

Duration:

2025-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$2,116,630**

### About the Project

This project is for new feeders to begin at the New Southwest Substation near Boedecker Lake and will extend into the system to accommodate growth in the far southwest portion of the City.



Funding Sources		
Revenue	Plant Investment Fee	Total
2025	26,840	26,840
2026	2,089,790	2,089,790
<b>Total</b>	<b>\$2,116,630</b>	<b>\$2,116,630</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2025	26,840	26,840
2026	2,089,790	2,089,790
<b>Total</b>	<b>\$2,116,630</b>	<b>\$2,116,630</b>

# Duct Bank & Cable from Madison E. on 37th to CR 11C and N. to CR 30

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Brieana Reed-Harmel

Phone Number:

970.962.3592

Email:

Brieana.Reed-Harmel@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

PW921

Duration:

2023-2024

\*\*\*\*\*

**Total Project  
Cost:  
\$1,031,830**

## About the Project

This project is part of the sub-to-sub tie between Crossroads and Horseshoe Substation. This is for the installation of new duct bank and 750 aluminum on Madison going east on 37th to CR11C then north to CR 30. This will improve system reliability and accommodate growth along CR30.



Funding Sources		
Revenue	Plant Investment Fee	Total
2023	62,260	62,260
2024	969,570	969,570
<b>Total</b>	<b>\$1,031,830</b>	<b>\$1,031,830</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2023	62,260	-	62,260
2024	-	969,570	969,570
<b>Total</b>	<b>\$62,260</b>	<b>\$969,570</b>	<b>\$1,031,830</b>

# Extend New Feeders along CR 11 from 57th St. to CR 30

\*\*\*\*\*

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:

PW921

Duration:

2020-2021

\*\*\*\*\*

**Total Project  
Cost:  
\$923,560**

## About the Project

This project is part of the sub-to-sub tie between Crossroads and Horseshoe Substation. This is for the extension of new feeders along CR 11 from 57th St to CR 30. This will improve system reliability and accommodate growth along CR30.



Funding Sources		
Revenue	Plant Investment Fee	Total
2020	22,260	22,260
2021	901,300	901,300
<b>Total</b>	<b>\$923,560</b>	<b>\$923,560</b>

Project Cost Estimates by Year			
Elements	Planning	Construction	Total
2020	22,260	-	22,260
2021	-	901,300	901,300
<b>Total</b>	<b>\$22,260</b>	<b>\$901,300</b>	<b>\$923,560</b>

# Extend New Feeders along CR 11 from Boyd Lake Ave to CR 30

\*\*\*\*\*

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:

PW921

Duration:

2019

\*\*\*\*\*

**Total Project  
Cost:  
\$1,609,750**

## About the Project

This project is part of the sub-to-sub tie between Crossroads and Horseshoe Substation. This is for the extension of new feeders along CR 11 from Boyd Lake Ave to CR 30. This will improve system reliability and accommodate growth along CR30.



Funding Sources		
Revenue	Plant Investment Fee	Total
2019	1,609,750	1,609,750
<b>Total</b>	<b>\$1,609,750</b>	<b>\$1,609,750</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2019	1,609,750	1,609,750
<b>Total</b>	<b>\$1,609,750</b>	<b>\$1,609,750</b>

# New & Replacement Equipment

\*\*\*\*\*

Department:

Water & Power

Division:

Power

Project Manager:

Garth Silvernale

Phone Number:

970.962.3580

Email:

Garth.Silvernale@  
cityofloveland.org

Project Category:

Equipment

Project Number:

PW930

Duration:

2017

\*\*\*\*\*

## Total Project

### Cost:

**\$512,500**

## About the Project

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



Funding Sources		
Revenue	Power Fund	Total
2017	512,500	512,500
<b>Total</b>	<b>\$512,500</b>	<b>\$512,500</b>

Project Cost Estimates by Year		
Elements	Equipment	Total
2017	512,500	512,500
<b>Total</b>	<b>\$512,500</b>	<b>\$512,500</b>

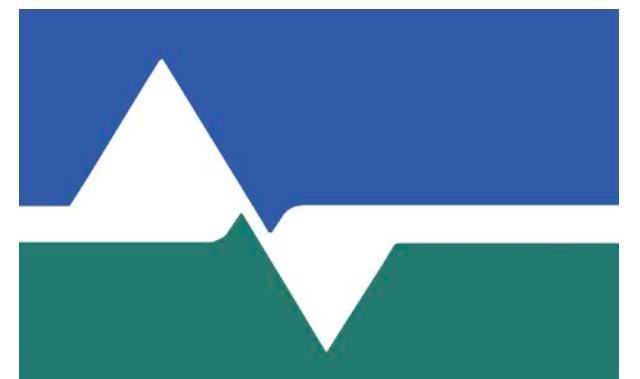
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## 2017-2026 Stormwater Utility Capital Program

	2017	2018	2019	2020	2021	Five Year Total					Ten Year Total					
						2022	2023	2024	2025	2026						
<b>Revenue</b>																
<b>Beginning Balance</b>	\$ 8,769,176	\$ 8,752,126	\$ 8,836,006	\$ 10,055,106	\$ 8,155,266	\$ 8,769,176	\$ 8,972,566	\$ 8,953,136	\$ 8,208,226	\$ 10,028,296	\$ 10,040,416	\$ 10,040,416	\$ 10,040,416	\$ 10,040,416	\$ 8,769,176	
Operating Revenues	3,105,610	3,511,050	3,957,070	4,115,480	3,962,160	18,651,370	4,018,600	4,075,130	4,131,690	4,114,890	4,095,320					39,087,000
SIF Revenue	318,950	366,790	421,810	485,080	557,840	2,150,470	641,520	737,750	848,410	975,670	1,122,020					6,475,840
Interest on Investments/Income	175,390	173,040	172,720	195,100	155,100	871,350	169,450	167,060	150,170	184,560	182,810					1,725,400
<b>Total Revenue</b>	<b>\$ 12,369,126</b>	<b>\$ 12,803,006</b>	<b>\$ 13,387,606</b>	<b>\$ 14,850,766</b>	<b>\$ 12,830,366</b>	<b>\$ 30,442,366</b>	<b>\$ 13,802,136</b>	<b>\$ 13,933,076</b>	<b>\$ 13,338,496</b>	<b>\$ 15,303,416</b>	<b>\$ 15,440,566</b>	<b>\$ 56,057,416</b>				
<b>Expense</b>																
<b>Bricks &amp; Mortar</b>																
16th Street Storm Sewer System	150,000	950,000	-	-	-	1,100,000	-	-	-	-	-					1,100,000
22nd Street from Van Buren to Taft	-	-	-	-	-	-	-	-	-	-	117,000					117,000
29th & Monroe Outfall (Phase 2)	1,150,000	-	-	-	-	1,150,000	-	-	-	-	-					1,150,000
29th & Sheridan Improvements	-	-	-	50,000	330,000	380,000	-	-	-	-	-					380,000
Big Thompson River Floodplain Mapping	20,000	-	-	-	-	20,000	-	-	-	-	-					20,000
Boyd Lake Outlet Ditch Improvements	100,000	-	-	-	-	100,000	-	864,750	-	-	768,000					1,732,750
Dry Creek at 37th Street Improvements	170,000	-	1,760,000	-	-	1,930,000	-	-	-	-	-					1,930,000
Dry Creek Stream Stability Study & Design	200,000	350,000	-	-	-	550,000	-	-	-	-	-					550,000
Engineering, Surveying & Geotechnical Services	150,000	150,000	150,000	150,000	175,000	775,000	175,000	175,000	175,000	175,000	175,000					1,650,000
Fire Training Grounds-S. Loveland Outfall Extension	225,000	-	-	-	-	225,000	-	-	-	-	-					225,000
Garfield and Harrison Outfall	-	-	300,000	-	209,800	509,800	3,090,000	3,541,100	-	-	2,750,000					12,705,900
Hogback Basin Outfall	-	-	-	-	-	-	187,000	-	1,870,000	-	-					2,057,000
Houts/Equalizer Basin Master Plan Update	25,000	-	-	-	-	25,000	-	-	-	-	-					25,000
Madison Avenue Outfall (Outlet Redirection)	650,000	-	-	-	-	650,000	-	-	-	-	-					650,000
Maintenance/Asset Management Projects	475,000	475,000	475,000	475,000	475,000	2,375,000	475,000	475,000	475,000	475,000	475,000					4,750,000
Millennium SW 9th Subdivision Outfall	-	-	75,000	-	300,000	375,000	-	-	-	-	-					375,000
Silver Lake Improvements (South Phase)	-	-	80,000	-	470,000	550,000	-	-	-	-	-					550,000
South Loveland Outfall (Phase 3)	-	1,410,000	115,000	5,314,500	1,530,000	8,369,500	-	-	-	-	-					8,369,500
Stormwater Quality Master Plan	-	90,000	-	-	-	90,000	-	-	-	-	-					90,000
Wilson & Eisenhower Improvements	-	-	-	-	-	-	-	-	-	-	-					457,000
<b>Subtotal Bricks &amp; Mortar</b>	<b>\$ 3,315,000</b>	<b>\$ 3,425,000</b>	<b>\$ 2,955,000</b>	<b>\$ 5,989,500</b>	<b>\$ 3,489,800</b>	<b>\$ 19,174,300</b>	<b>\$ 3,927,000</b>	<b>\$ 5,055,850</b>	<b>\$ 2,520,000</b>	<b>\$ 4,285,000</b>	<b>\$ 3,922,000</b>	<b>\$ 38,884,150</b>				
<b>New &amp; Replacement Equipment</b>																
New Equipment & Replacement	302,000	542,000	377,500	706,000	368,000	2,295,500	922,000	669,000	790,200	978,000	521,000	\$ 6,175,700				
<b>Subtotal Equipment</b>	<b>\$ 302,000</b>	<b>\$ 542,000</b>	<b>\$ 377,500</b>	<b>\$ 706,000</b>	<b>\$ 368,000</b>	<b>\$ 2,295,500</b>	<b>\$ 922,000</b>	<b>\$ 669,000</b>	<b>\$ 790,200</b>	<b>\$ 978,000</b>	<b>\$ 521,000</b>	<b>\$ 6,175,700</b>				
<b>Total</b>	<b>\$ 3,617,000</b>	<b>\$ 3,967,000</b>	<b>\$ 3,332,500</b>	<b>\$ 6,695,500</b>	<b>\$ 3,857,800</b>	<b>\$ 21,469,800</b>	<b>\$ 4,849,000</b>	<b>\$ 5,724,850</b>	<b>\$ 3,310,200</b>	<b>\$ 5,263,000</b>	<b>\$ 4,443,000</b>	<b>\$ 45,059,850</b>				
<b>Reserve for Future Capital Projects</b>	<b>\$ 8,752,126</b>	<b>\$ 8,836,006</b>	<b>\$ 10,055,106</b>	<b>\$ 8,155,266</b>	<b>\$ 8,972,566</b>	<b>\$ 8,972,566</b>	<b>\$ 8,953,136</b>	<b>\$ 8,208,226</b>	<b>\$ 10,028,296</b>	<b>\$ 10,040,416</b>	<b>\$ 10,997,566</b>	<b>\$ 10,997,566</b>				

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**City of Loveland**

# 16th Street Storm Sewer (Madison to Cheyenne)

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Planning / Construction

Project Number:

TBD

Duration:

2017-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$1,100,000**

## 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 and address drainage problems at the intersections of Boise Avenue with 16th and 17th Streets.



Funding Sources		
Revenue	Enterprise	Total
2017	150,000	150,000
2018	950,000	950,000
<b>Total</b>	<b>\$1,100,000</b>	<b>\$1,100,000</b>

Project Cost Estimates by Year			
Elements	Design/Planning	Construction	Total
2017	150,000	-	150,000
2018	-	950,000	950,000
<b>Total</b>	<b>\$150,000</b>	<b>\$950,000</b>	<b>\$1,100,000</b>

*\* Operations impact negligible*

## 22nd Street from Van Buren to Taft

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Planning

Project Number:

TBD

Duration:

2025

\*\*\*\*\*

**Total Project Cost:**  
**\$117,000**

### About the Project

A project to provide a master planned storm sewer system from Lake Loveland across Taft Avenue and west up 22nd Street to Van Buren Avenue. The primary problem area is the 22nd Street and Taft Avenue intersection. Therefore, the project may be phased to address the most immediate problem area while providing for the allowance to extend the storm sewer west in 22nd Street.



Funding Sources		
Revenue	Enterprise	Total
2025	117,000	117,000
<b>Total</b>	<b>\$117,000</b>	<b>\$117,000</b>

Project Cost Estimates by Year		
Elements	Design/Planning	Total
2025	117,000	117,000
<b>Total</b>	<b>\$117,000</b>	<b>\$117,000</b>

*\* Operations impact negligible*

## 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:

Construction

Project Number:

SW0602

Duration:

2017

\*\*\*\*\*

**Total Project  
Cost:  
\$1,150,000**

### 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 between an existing detention pond at Eagleview Park along with the installation of a retaining wall along the southeast bend of Dry Creek adjacent to 37th Street at Lincoln Avenue in order to mitigate significant erosion problems within the creek.



Funding Sources		
Revenue	Enterprise	Total
2017	1,150,000	1,150,000
<b>Total</b>	<b>\$1,150,000</b>	<b>\$1,150,000</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	1,150,000	1,150,000
<b>Total</b>	<b>1,150,000</b>	<b>\$1,150,000</b>

# 29th & Sheridan Improvements

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Planning / Construction

Project Number:

TBD

Duration:

2020-2021

\*\*\*\*\*

**Total Project Cost:**  
**\$380,000**

## 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 on the north side of 29th Street.



Funding Sources		
Revenue	Enterprise	Total
2020	50,000	50,000
2021	330,000	330,000
<b>Total</b>	<b>\$380,000</b>	<b>\$380,000</b>

Project Cost Estimates by Year			
Elements	Design/Planning	Construction	Total
2020	50,000	-	50,000
2021	-	330,000	350,000
<b>Total</b>	<b>\$50,000</b>	<b>\$330,000</b>	<b>\$380,000</b>

*\* Operations impact negligible*

# Big Thompson River Floodplain Mapping

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Kevin Gingery

Phone Number:

970.962.2771

Email:

Kevin.Gingery@  
cityofloveland.org

Project Category:

Planning

Project Number:

TBD

Duration:

2017

\*\*\*\*\*

**Total Project  
Cost:  
\$20,000**

## About the Project

The Colorado Water Conservation Board (CWCB) is revising the Federal Emergency Management Agency (FEMA) floodplain maps for the Big Thompson River due to changes caused by the 2013 Flood. This project is to conduct a technical review of the state's floodplain mapping and hydraulic models in order to provide effective comments before the updated maps are sent to FEMA for approval.



Funding Sources		
Revenue	Enterprise	Total
2017	20,000	20,000
<b>Total</b>	<b>\$20,000</b>	<b>\$20,000</b>

Project Cost Estimates by Year		
Elements	Design/Planning	Total
2017	20,000	20,000
<b>Total</b>	<b>\$20,000</b>	<b>\$20,000</b>

*\* Operations impact negligible*

# 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:

Planning / Construction

Project Number:

SW0711

Duration:

2017-2027

\*\*\*\*\*

**Total Project  
Cost:  
\$1,732,750**

## 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	SIF	Total
2017	100,000	100,000
2023	864,750	864,750
2025	768,000	768,000
<b>Total</b>	<b>\$1,732,750</b>	<b>\$1,732,750</b>

Project Cost Estimates by Year			
Elements	Design/Planning	Construction	Total
2017	100,000	-	100,000
2023	-	864,750	864,750
2025	-	768,000	768,000
<b>Total</b>	<b>\$100,000</b>	<b>\$1,632,750</b>	<b>\$1,732,750</b>

*\* Operations impact negligible*

# Dry Creek at 37th Street Improvements

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Planning / Construction

Project Number:

TBD

Duration:

2017-2019

\*\*\*\*\*

**Total Project Cost:**  
**\$1,930,000**

## About the Project

A stream stabilization project from the Dry Creek Master Plan to improve, repair, stabilize, and protect the Dry Creek channel between Lincoln Avenue and Highway 287 along the proposed 37<sup>th</sup> Street extension. This project must be designed and constructed in conjunction with the proposed 37<sup>th</sup> Street extension and bridge over Dry Creek.



Funding Sources		
Revenue	Enterprise	Total
2017	170,000	170,000
2019	1,760,000	1,760,000
<b>Total</b>	<b>\$1,930,000</b>	<b>\$1,930,000</b>

Project Cost Estimates by Year			
Elements	Design/Planning	Construction	Total
2017	170,000	-	170,000
2019	-	1,760,000	1,760,000
<b>Total</b>	<b>\$170,000</b>	<b>\$1,760,000</b>	<b>\$1,930,000</b>

*\* Operations impact negligible*

# Dry Creek Stream Stability Study & Design

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Kevin Gingery

Phone Number:

970.962.2771

Email:

Kevin.Gingery@  
cityofloveland.org

Project Category:

Construction

Project Number:

TBD

Duration:

2017-2018

\*\*\*\*\*

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

## About the Project

The scope of this project is to provide to evaluate the stream stability of Dry Creek from its confluence with the Big Thompson River upstream to the Deer Meadows Drive bridge through Marianna Butte Golf Course. Dry Creek experienced significant erosion during the 2013 Flood and



routinely has stability problems in much smaller storm events. Design of channel improvements will also be included to address the stability problems.

Funding Sources		
Revenue	Enterprise	Total
2017	200,000	200,000
2018	350,000	350,000
<b>Total</b>	<b>\$550,000</b>	<b>\$550,000</b>

Project Cost Estimates by Year			
Elements	Design/Planning	Construction	Total
2017	200,000	-	200,000
2018	-	350,000	350,000
<b>Total</b>	<b>\$200,000</b>	<b>\$350,000</b>	<b>\$550,000</b>

*\* Operations impact negligible*

# Engineering, Surveying, & Geotechnical Services

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Chris Carlson

Phone Number:

970.962.2774

Email:

Chris.Carlson@  
cityofloveland.org

Project Category:

Planning

Project Number:

N/A

Duration:

2017-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$1,650,000**

## 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
2017	150,000	150,000
2018	150,000	150,000
2019	150,000	150,000
2020	150,000	150,000
2021	175,000	175,000
2022	175,000	175,000
2023	175,000	175,000
2024	175,000	175,000
2025	175,000	175,000
2026	175,000	175,000
<b>Total</b>	<b>\$1,650,000</b>	<b>\$1,650,000</b>

Project Cost Estimates by Year		
Elements	Design/Planning	Total
2017	150,000	150,000
2018	150,000	150,000
2019	150,000	150,000
2020	150,000	150,000
2021	175,000	175,000
2022	175,000	175,000
2023	175,000	175,000
2024	175,000	175,000
2025	175,000	175,000
2026	175,000	175,000
<b>Total</b>	<b>\$1,650,000</b>	<b>\$1,650,000</b>

*\* Operations impact negligible*

# Fire Training Grounds— S. Loveland Outfall Extension

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Chris Carlson

Phone Number:

970.962.2774

Email:

Chris.Carlson@  
cityofloveland.org

Project Category:

Construction

Project Number:

TBD

Duration:

2017

\*\*\*\*\*

## Total Project Cost: **\$225,000**

### About the Project

A project as part of the Railroad Avenue flood recovery project. The reconstruction and flood repairs to Railroad Avenue require modifying the entrance locations to the Fire Training Grounds. This requires extending the existing S. Loveland Outfall storm sewer pipe several hundred feet further north than its current location.



Funding Sources		
Revenue	Enterprise	Total
2017	225,000	225,000
<b>Total</b>	<b>\$225,000</b>	<b>\$225,000</b>

Project Cost Estimates by Year		
Elements	Construction	Total
2017	225,000	225,000
<b>Total</b>	<b>\$225,000</b>	<b>\$225,000</b>

*\* Operations impact negligible*

# Garfield & Harrison Outfall

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Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Planning / Construction

Project Number:

TBD

Duration:

2019-2026

\*\*\*\*\*

**Total Project Cost:**  
**\$12,705,900**

## About the Project

A project to reduce historic 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 south of 1<sup>st</sup> Street.



Funding Sources		
Revenue	Enterprise	Total
2019	300,000	300,000
2021	209,800	209,800
2022	3,090,000	3,090,000
2023	3,541,100	3,541,100
2025	2,750,000	2,750,000
2026	2,815,000	2,815,000
<b>Total</b>	<b>\$12,705,900</b>	<b>\$12,705,900</b>

Project Cost Estimates by Year				
Elements	Design/Planning	Construction	Total	
2019	300,000	-	300,000	
2021	209,800	-	209,800	
2022	-	3,090,000	3,090,000	
2023	394,100	3,147,000	3,541,100	
2025	-	2,750,000	2,750,000	
2026	-	2,815,000	2,815,000	
<b>Total</b>	<b>\$903,900</b>	<b>\$11,802,000</b>	<b>\$12,705,900</b>	

Estimated Initial Operations Impact					
	Personnel	Supplies	Purchased Services	Total	FTE
2021	125,000	1,000	20,000	146,000	1.0
<b>Total</b>	<b>\$125,000</b>	<b>\$1,000</b>	<b>\$20,000</b>	<b>\$146,000</b>	<b>1.0</b>

# Hogback Basin Outfall

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Planning / Construction

Project Number:

TBD

Duration:

2022-2024

\*\*\*\*\*

**Total Project Cost:**  
**\$2,057,000**

## About the Project

A Project to provide a master planned storm sewer outfall from the Big Thompson River to the Hogback Basin crossing of Eisenhower Boulevard just east of Cascade Avenue, including local drainage connections at the highway. This project has moved up in priority due to overtopping of Eisenhower Boulevard twice in 2014 and 2015.



Funding Sources		
Revenue	Enterprise	Total
2022	187,000	187,000
2024	1,870,000	1,870,000
<b>Total</b>	<b>\$2,057,000</b>	<b>\$2,057,000</b>

Project Cost Estimates by Year			
Elements	Design/Planning	Construction	Total
2022	187,000	-	187,000
2024	-	1,870,000	1,870,000
<b>Total</b>	<b>\$187,000</b>	<b>\$1,870,000</b>	<b>\$2,057,000</b>

# Houts/Equalizer Basin Master Plan Update

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Planning

Project Number:

TBD

Duration:

2017

\*\*\*\*\*

**Total Project Cost:  
\$25,000**

## About the Project

A small project to update the existing Houts/Equalizer Basin Master Plan to include changes in the upper part of the basin at the Northern Colorado Regional Airport and Crossroads Boulevard.



Funding Sources		
Revenue	Enterprise	Total
2017	25,000	25,000
<b>Total</b>	<b>\$25,000</b>	<b>\$25,000</b>

Project Cost Estimates by Year		
Elements	Design/Planning	Total
2017	25,000	25,000
<b>Total</b>	<b>\$25,000</b>	<b>\$25,000</b>

*\* Operations impact negligible*

# **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:

Construction

Project Number:

SW1605

Duration:

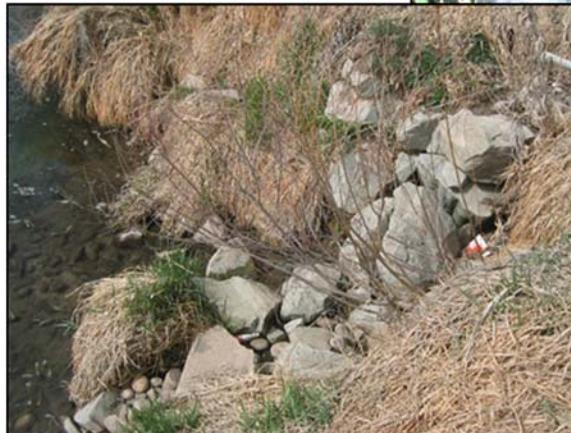
2017

\*\*\*\*\*

**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.



<b>Funding Sources</b>		
<b>Revenue</b>	<b>Enterprise</b>	<b>Total</b>
2017	650,000	650,000
<b>Total</b>	<b>\$650,000</b>	<b>\$650,000</b>

<b>Project Cost Estimates by Year</b>		
<b>Elements</b>	<b>Construction</b>	<b>Total</b>
2017	650,000	650,000
<b>Total</b>	<b>\$650,000</b>	<b>\$650,000</b>

*\* Operations impact negligible*

# Maintenance/Asset Management Projects

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Eric Lessard

Phone Number:

970.962.2773

Email:

Eric.Lessard@  
cityofloveland.org

Project Category:

Construction

Project Number:

N/A

Duration:

2017-2026

\*\*\*\*\*

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

## 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 currently set at \$475,000 per year.



Funding Sources		
Revenue	Enterprise	Total
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
2026	475,000	475,000
<b>Total</b>	<b>\$4,750,000</b>	<b>\$4,750,000</b>

Project Cost Estimates by Year		
Elements	Construction	Total
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
2026	475,000	475,000
<b>Total</b>	<b>\$4,750,000</b>	<b>\$4,750,000</b>

\* Operations impact negligible

# Millennium SW 9th Subdivision Outfall

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Planning / Construction

Project Number:

TBD

Duration:

2019-2021

\*\*\*\*\*

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

## About the Project

A project to provide a new storm drainage outfall along the west side of CR -9E to the Big Thompson River, preventing stormwater from entering existing irrigation ditches and private property.



Funding Sources		
Revenue	Enterprise	Total
2019	75,000	75,000
2021	300,000	300,000
<b>Total</b>	<b>\$375,000</b>	<b>\$375,000</b>

Project Cost Estimates by Year			
Elements	Design/Planning	Construction	Total
2019	75,000	-	75,000
2021	-	300,000	300,000
<b>Total</b>	<b>\$75,000</b>	<b>\$300,000</b>	<b>\$375,000</b>

*\* Operations impact negligible*

# Silver Lake Improvements (South Phase)

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Planning / Construction

Project Number:

TBD

Duration:

2019-2021

\*\*\*\*\*

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

## About the Project

A Project to replace an existing undersized storm sewer system between Silver Lake and Highway 287 at 16th Street, including Maple and Crescent Drives. Local flooding problems impact Highway 287, businesses, and residents. The project will include larger pipe and inlets.



Funding Sources		
Revenue	Enterprise	Total
2019	80,000	80,000
2021	470,000	470,000
<b>Total</b>	<b>\$550,000</b>	<b>\$550,000</b>

Project Cost Estimates by Year			
Elements	Design/Planning	Construction	Total
2019	80,000	-	80,000
2021	-	470,000	470,000
<b>Total</b>	<b>\$80,000</b>	<b>\$470,000</b>	<b>\$550,000</b>

*\* Operations impact negligible*

# South Loveland Outfall Phase 3

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

Kevin Gingery and Eric Lessard

Phone Number:

970.962.2771 & 2773

Email:

Kevin.Gingery@  
cityofloveland.org  
Eric.Lessard@  
cityofloveland.org

Project Category:

Planning / Construction

Project Number:

SW0902

Duration:

2018-2021

\*\*\*\*\*

**Total Project  
Cost:  
\$8,369,500**

## About the Project

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



Funding Sources			
Revenue	Enterprise	SIF	Total
2018	950,000	460,000	1,410,000
2019	-	115,000	115,000
2020	5,314,500	-	5,314,500
2021	-	1,530,000	1,530,000
<b>Total</b>	<b>\$6,264,500</b>	<b>\$2,105,000</b>	<b>\$8,369,500</b>

Project Cost Estimates by Year			
Elements	Design/Planning	Construction	Total
2018	350,000	1,060,000	1,410,000
2019	115,000	-	115,000
2020	-	5,314,500	5,314,500
2021	-	1,530,000	1,530,000
<b>Total</b>	<b>\$465,000</b>	<b>\$7,904,500</b>	<b>\$8,369,500</b>

*\* Operations impact negligible*

# Stormwater Quality Master Plan

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Planning

Project Number:

TBD

Duration:

2018

\*\*\*\*\*

**Total Project Cost:**  
**\$90,000**

## About the Project

A project to prepare a stormwater quality master plan for the City of Loveland. The purpose of the project will be to plan for current and future stormwater quality needs, evaluate an approach for permanent stormwater quality treatment measures within each basin, allow the Stormwater Utility to plan financially for these needs, and to aid in addressing the City's MS4 stormwater quality permit.



Funding Sources		
Revenue	Enterprise	Total
2018	90,000	90,000
<b>Total</b>	<b>\$90,000</b>	<b>\$90,000</b>

Project Cost Estimates by Year		
Ele- ments	Design/Planning	Total
2018	90,000	90,000
<b>Total</b>	<b>\$90,000</b>	<b>\$90,000</b>

*\* Operations impact negligible*

# Wilson & Eisenhower Improvements

\*\*\*\*\*

Department:

Public Works

Division:

Stormwater Engineering

Project Manager:

TBD

Phone Number:

TBD

Email:

TBD

Project Category:

Planning

Project Number:

TBD

Duration:

2026

\*\*\*\*\*

**Total Project Cost:**  
**\$457,000**

## About the Project

A Project to provide a master planned storm sewer outfall from the Big Thompson River to the Wilson & Eisenhower intersection then continued north in Wilson Avenue to approximately 22nd Street. Design is anticipated to begin in 2026 with construction planned for 2028 or 2029.



Funding Sources		
Revenue	Enterprise	Total
2026	457,000	457,000
<b>Total</b>	<b>\$457,000</b>	<b>\$457,000</b>

Project Cost Estimates by Year		
Elements	Design/Planning	Total
2026	457,000	457,000
<b>Total</b>	<b>\$457,000</b>	<b>\$457,000</b>

*\* Operations impact negligible*

# 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

Project Number:

N/A

Duration:

2017-2026

\*\*\*\*\*

**Total Project Cost:**  
**\$6,175,700**

## 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
2017	302,000	302,000
2018	542,000	542,000
2019	377,500	377,500
2020	706,000	706,000
2021	368,000	368,000
2022	922,000	922,000
2023	669,000	669,000
2024	790,200	790,200
2025	978,000	978,000
2026	521,000	521,000
<b>Total</b>	<b>\$6,175,700</b>	<b>\$6,175,700</b>

Project Cost Estimates by Year		
Elements	Equipment	Total
2017	302,000	302,000
2018	542,000	542,000
2019	377,500	377,500
2020	706,000	706,000
2021	368,000	368,000
2022	922,000	922,000
2023	669,000	669,000
2024	790,200	790,200
2025	978,000	978,000
2026	521,000	521,000
<b>Total</b>	<b>\$6,175,700</b>	<b>\$6,175,700</b>

Estimated Initial Operations Impact					
	Personnel	Supplies	Purchased Services	Total	FTE
2017	80,000	1,000	20,000	101,000	1.0
2021	92,000	1,000	20,000	113,000	1.0
<b>Total</b>	<b>\$172,000</b>	<b>\$2,000</b>	<b>\$40,000</b>	<b>\$214,000</b>	<b>2.0</b>

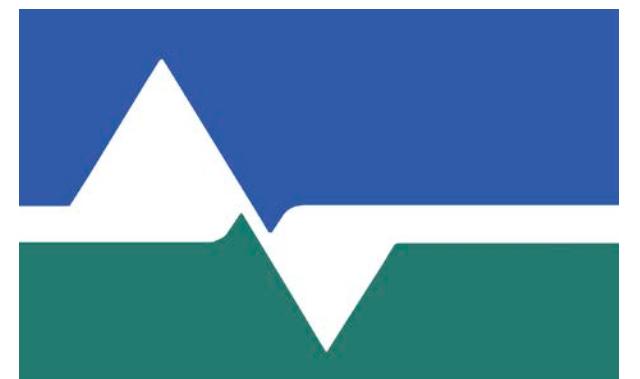
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## 2017-2026 Water Utility Capital Program

	2017	2018	2019	2020	2021	Five Year Total	2022	2023	2024	2025	2026	Ten Year Total
<b>Revenue</b>												
<b>Beginning Balance</b>	<b>\$ 10,604,728</b>	<b>\$ 7,169,392</b>	<b>\$ 5,895,911</b>	<b>\$ 8,528,466</b>	<b>\$ 3,859,393</b>	<b>\$ 10,604,728</b>	<b>\$ 7,813,418</b>	<b>\$ 10,276,041</b>	<b>\$ 13,777,249</b>	<b>\$ 13,273,529</b>	<b>\$ 22,298,440</b>	<b>\$ 10,604,728</b>
Operating Revenues	1,176,676	1,340,590	3,234,130	4,049,780	5,250,370	15,051,546	6,220,950	6,651,600	6,902,159	7,536,960	7,587,900	49,951,115
SIF Revenues	2,736,540	3,175,960	3,540,640	4,049,050	4,379,170	17,881,360	5,011,230	5,652,010	6,359,480	6,900,650	7,486,050	49,290,780
Interest on Investments	185,590	152,350	154,770	245,190	135,080	872,980	312,540	436,730	602,760	580,720	975,560	3,781,290
General Fund Contribution	750,000	750,000	750,000	750,000	750,000	3,750,000	-	-	-	-	-	3,750,000
Internal Loan Repayment	(4,856,625)	(795,000)	(783,750)	(772,500)	(761,250)	(7,969,125)	-	-	-	-	-	(7,969,125)
External Loan Repayment	(1,013,988)	(1,015,150)	(1,015,685)	(1,015,593)	(1,014,885)	(5,075,301)	(1,013,527)	(1,011,542)	(1,013,929)	(1,010,529)	(1,011,502)	(10,136,330)
<b>Total Revenue</b>	<b>\$ 9,582,922</b>	<b>\$ 10,778,141</b>	<b>\$ 11,776,016</b>	<b>\$ 15,834,393</b>	<b>\$ 12,597,878</b>	<b>\$ 35,116,188</b>	<b>\$ 18,344,611</b>	<b>\$ 22,004,839</b>	<b>\$ 26,627,719</b>	<b>\$ 27,281,330</b>	<b>\$ 37,336,448</b>	<b>\$ 99,272,458</b>
<b>Expense</b>												
<b>Bricks &amp; Mortar</b>												
Water Line Replacements	603,180	54,970	1,024,100	807,600	1,514,070	4,003,920	2,351,610	3,217,720	3,388,260	3,567,850	3,511,920	20,041,280
36" Transmission Line Relining	-	-	-	95,860	1,463,600	1,559,460	1,434,890	-	-	-	-	2,994,350
Miscellaneous Water Distribution Items	251,760	263,850	274,930	287,570	302,820	1,380,930	318,870	335,760	353,560	372,300	392,030	3,153,450
34" Water Line Valve Insertions	-	-	247,430	-	-	247,430	-	-	-	-	-	247,430
New Water Lines 12" 10th St. (RR Spur to Madison)	461,560	-	-	-	-	461,560	-	-	-	-	-	461,560
East Gravity Zone 24" Water Line Loop	-	-	-	-	368,420	368,420	3,757,270	2,568,590	-	685,650	7,541,650	14,921,580
16" Mountain View Discharge in Boyd Lake Avenue	31,470	-	-	89,870	1,040,920	1,162,260	-	-	-	-	-	1,162,260
16" Water Line in Granite Street (57th to 50th)	-	-	-	-	-	-	-	-	-	54,600	776,220	830,820
Morning Dr. 30" Water Line Phase 2	226,580	3,205,710	-	-	-	3,432,290	-	-	-	-	-	3,432,290
29th Street 5 Million Gallon Water Storage Tank #2	-	-	859,140	10,604,230	-	11,463,370	-	-	-	-	-	11,463,370
Morning Drive Pump Station Upgrade	-	-	-	-	-	-	-	-	-	186,150	2,156,150	2,342,300
3.5 Million Gallon 43rd St. Water Storage Tank #2	-	-	-	-	-	-	-	-	-	-	640,310	640,310
SW Booster Station	-	-	-	-	-	-	-	-	-	-	326,690	326,690
2 Million Gallon Dakota Ridge Water Storage Tank	-	-	-	-	-	-	-	769,460	9,501,880	-	-	10,271,340
Pressure Zone 2 Water Pump Station & Discharge	104,900	1,209,290	-	-	-	1,314,190	-	-	-	-	-	1,314,190
Mod Valve Vault Rehabilitation	-	65,960	756,040	-	-	822,000	-	-	-	-	-	822,000
Namaqua Hills Water Booster Station & Generator	503,520	-	-	-	-	503,520	-	-	-	-	-	503,520
Extension and Oversizing Projects	78,680	82,450	85,910	89,870	94,630	431,540	99,640	104,930	110,490	116,340	122,510	985,450
WTP - Filter Plant 2 Roof Replacement	125,880	-	-	-	-	125,880	-	-	-	-	-	125,880
WTP - Admin/Office Renovation	-	-	-	-	-	-	106,290	1,231,130	-	-	-	1,337,420
<b>Subtotal Bricks &amp; Mortar</b>	<b>\$ 2,387,530</b>	<b>\$ 4,882,230</b>	<b>\$ 3,247,550</b>	<b>\$ 11,975,000</b>	<b>\$ 4,784,460</b>	<b>\$ 27,276,770</b>	<b>\$ 8,068,570</b>	<b>\$ 8,227,590</b>	<b>\$ 13,354,190</b>	<b>\$ 4,982,890</b>	<b>\$ 15,467,480</b>	<b>\$ 77,377,490</b>
<b>New &amp; Replacement Equipment</b>												
Large Equipment Purchases	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal Equipment</b>	<b>\$ -</b>											
<b>General Plant</b>												
General Plant Projects (New SUV for WTP)	26,000	-	-	-	-	-	26,000	-	-	-	-	26,000
<b>Subtotal General Plant</b>	<b>\$ 26,000</b>	<b>\$ -</b>	<b>\$ 26,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 26,000</b>				
<b>Total</b>	<b>\$ 2,413,530</b>	<b>\$ 4,882,230</b>	<b>\$ 3,247,550</b>	<b>\$ 11,975,000</b>	<b>\$ 4,784,460</b>	<b>\$ 27,302,770</b>	<b>\$ 8,068,570</b>	<b>\$ 8,227,590</b>	<b>\$ 13,354,190</b>	<b>\$ 4,982,890</b>	<b>\$ 15,467,480</b>	<b>\$ 77,403,490</b>
<b>Reserve for Future Capital Projects</b>	<b>\$ 7,169,392</b>	<b>\$ 5,895,911</b>	<b>\$ 8,528,466</b>	<b>\$ 3,859,393</b>	<b>\$ 7,813,418</b>	<b>\$ 7,813,418</b>	<b>\$ 10,276,041</b>	<b>\$ 13,777,249</b>	<b>\$ 13,273,529</b>	<b>\$ 22,298,440</b>	<b>\$ 21,868,968</b>	<b>\$ 21,868,968</b>

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**City of Loveland**

# 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:

*2017-2026*

\*\*\*\*\*

## Total Project

### Cost:

# \$20,041,280

## About the Project

Replace aging water infrastructure.

Typically, most communities face increasing replacement costs as the age of installed infrastructure advances.

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		
Year	Water Fund	Total
2017	603,180	603,180
2018	54,970	54,970
2019	1,024,100	1,024,100
2020	807,600	807,600
2021	1,514,070	1,514,070
2022	2,351,610	2,351,610
2023	3,217,720	3,217,720
2024	3,388,260	3,388,260
2025	3,567,850	3,567,850
2026	3,511,920	3,511,920
<b>Total</b>	<b>\$20,041,280</b>	<b>\$20,041,280</b>

Project Cost Estimates by Year			
Year	Planning	Construction	Total
2017	78,680	524,500	603,180
2018	54,970	-	54,970
2019	107,680	916,420	1,024,100
2020	148,580	659,020	807,600
2021	252,350	1,261,720	1,514,070
2022	358,720	1,992,890	2,351,610
2023	419,700	2,798,020	3,217,720
2024	441,940	2,946,320	3,388,260
2025	465,380	3,102,470	3,567,850
2026	245,020	3,266,900	3,511,920
<b>Total</b>	<b>\$2,573,020</b>	<b>\$17,468,260</b>	<b>\$20,041,280</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:

*2020-2022*

\*\*\*\*\*

**Total Project Cost:**  
**\$2,994,350**

## About the Project

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



replacements in 2015. During these repairs, significant external corrosion where the pipe was laid on bedrock and backfilled with native cobbles was discovered. Additionally, it is believed that there is significant leakage out of the pipe due to corrosion holes in the pipe.

Lining of the deteriorating existing 36-inch steel waterline will reduce risk of catastrophic failure, decrease repairs, reduce water loss, and extend the asset's 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		
Year	Water Fund	Total
2020	95,860	95,860
2021	1,463,600	1,463,600
2022	1,434,890	1,434,890
<b>Total</b>	<b>\$2,994,350</b>	<b>\$2,994,350</b>

Project Cost Estimates by Year			
Year	Planning	Construction	Total
2020	95,860	-	95,860
2021	201,880	1,261,720	1,463,600
2022	106,290	1,328,600	1,434,890
<b>Total</b>	<b>\$404,030</b>	<b>\$2,590,320</b>	<b>\$2,994,350</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:

*2017-2026*

\*\*\*\*\*

## Total Project

### Cost:

# \$3,153,450

## About the Project

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

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		
Year	Water Fund	Total
2017	251,760	251,760
2018	263,850	263,850
2019	274,930	274,930
2020	287,570	287,570
2021	302,820	302,820
2022	318,870	318,870
2023	335,760	335,760
2024	353,560	353,560
2025	372,300	372,300
2026	392,030	392,030
<b>Total</b>	<b>\$3,153,450</b>	<b>\$3,153,450</b>

Project Cost Estimates by Year		
Year	Construction	Total
2017	251,760	251,760
2018	263,850	263,850
2019	274,930	274,930
2020	287,570	287,570
2021	302,820	302,820
2022	318,870	318,870
2023	335,760	335,760
2024	353,560	353,560
2025	372,300	372,300
2026	392,030	392,030
<b>Total</b>	<b>\$3,153,450</b>	<b>\$3,153,450</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:

*2019*

\*\*\*\*\*

### Total Project

**Cost:**

**\$247,430**

### About the Project

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



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

Funding Sources		
Year	Water Fund	Total
2019	247,430	247,430
<b>Total</b>	<b>\$247,430</b>	<b>\$247,430</b>

Project Cost Estimates by Year			
Year	Planning	Construction	Total
2019	18,330	229,100	247,430
<b>Total</b>	<b>\$18,330</b>	<b>\$229,100</b>	<b>\$247,430</b>

# New Water Lines 12" 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:

*2017*

\*\*\*\*\*

**Total Project  
Cost:  
\$461,560**

## About the Project

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

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**

Year	Water Fund	System Impact Fee	Total
2017	346,170	115,390	461,560
<b>Total</b>	<b>\$346,170</b>	<b>\$115,390</b>	<b>\$461,560</b>

### **Project Cost Estimates by Year**

Year	Planning	Construction	Total
2017	41,960	419,600	461,560
<b>Total</b>	<b>\$41,960</b>	<b>\$419,600</b>	<b>\$461,560</b>

# East Gravity Zone 24" Water Line 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:

*2021-2026*

\*\*\*\*\*

**Total Project  
Cost:  
\$14,921,580**

## About the Project

Installation of a 24-inch water main loop around the southeast portion of the City to meet increasing demands as a result of development.

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			
Year	Water Fund	System Impact Fee	Total
2021	110,526	257,894	368,420
2022	1,127,181	2,630,089	3,757,270
2023	770,577	1,798,013	2,568,590
2025	205,695	479,955	685,650
2026	2,262,495	5,279,155	7,541,650
<b>Total</b>	<b>\$4,476,474</b>	<b>\$10,445,106</b>	<b>\$14,921,580</b>

Project Cost Estimates by Year			
Year	Planning	Construction	Total
2021	368,420	-	368,420
2022	568,640	3,188,630	3,757,270
2023	190,270	2,378,320	2,568,590
2024	-	-	-
2025	685,650	-	685,650
2026	558,640	6,983,010	7,541,650
<b>Total</b>	<b>\$2,371,620</b>	<b>\$12,549,960</b>	<b>\$14,921,580</b>

# 16" Mountain View Discharge in Boyd Lake Avenue

\*\*\*\*\*

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:

*2017-2021*

\*\*\*\*\*

**Total Project  
Cost:  
\$1,162,260**

## About the Project

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



The Mountain View pump station was designed to have a 24-inch discharge pipe feeding the P8 zone. A 16-inch waterline was installed instead. Presently the pump station operates at a flow rate of 3,500 Gallons per minute (GPM). The master plan flow rate is 12,600 GPM which would yield velocities over 20 feet per second (FPS) and result in prohibitive head loss. The parallel line will meet master planned demand in the P8 zone.

Funding Sources			
Year	Water Fund	System Impact Fee	Total
2017	9,441	22,029	31,470
2020	26,961	62,909	89,870
2021	312,276	728,644	1,040,920
<b>Total</b>	<b>\$348,678</b>	<b>\$813,582</b>	<b>\$1,162,260</b>

Project Cost Estimates by Year			
Year	Planning	Construction	Total
2017	31,470	-	31,470
2020	89,870	-	89,870
2021	94,630	946,290	1,040,920
<b>Total</b>	<b>\$215,970</b>	<b>\$946,290</b>	<b>\$1,162,260</b>

# 16" Water Line in Granite Street (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 / Construction*

Project Number:

*N/A*

Duration:

*2025-2026*

\*\*\*\*\*

**Total Project Cost:**  
**\$830,820**

## About the Project

The scope of this project is to install a 16-inch water line in Granite Street between 57<sup>th</sup> Street and 50<sup>th</sup> Street.



The 16-inch waterline will provide a valuable loop and has been recommended 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			
Year	Water Fund	System Impact Fee	Total
2025	27,300	27,300	54,600
2026	388,110	388,110	776,220
<b>Total</b>	<b>\$415,410</b>	<b>\$415,410</b>	<b>\$830,820</b>

Project Cost Estimates by Year			
Year	Planning	Construction	Total
2025	54,600	-	54,600
2026	57,500	718,720	776,220
<b>Total</b>	<b>\$112,100</b>	<b>\$718,720</b>	<b>\$830,820</b>

# Morning Dr. 30" Water Line Phase 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:

*2017-2018*

\*\*\*\*\*

**Total Project  
Cost:  
\$3,432,290**

## About the Project

The scope of this project is to 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.



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			
Year	Water Fund	System Impact Fee	Total
2017	22,658	203,922	226,580
2018	320,571	2,885,139	3,205,710
<b>Total</b>	<b>\$343,229</b>	<b>\$3,089,061</b>	<b>\$3,432,290</b>

Project Cost Estimates by Year			
Year	Planning	Construction	Total
2017	226,580	-	226,580
2018	237,460	2,968,250	3,205,710
<b>Total</b>	<b>\$464,040</b>	<b>\$2,968,250</b>	<b>\$3,432,290</b>

# 29th Street 5 Million Gallon Water 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:

*2019-2020*

\*\*\*\*\*

**Total Project**

**Cost:**

**\$11,463,370**

## About the Project

The 29th Street steel tank is one of the most utilized storage facilities supporting over a quarter of the City's water customers. The project will provide a second 5.0 million gallon storage tank at this critical location.



The additional storage will offer redundancy and reliability for water customers in Northwest Loveland. As of 2015 the City is 3.5 million gallons (MG) short of required storage in the gravity zone (not including P8). This is based on American Water Works Association (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			
Year	Water Fund	System Impact Fee	Total
2019	171,828	687,312	859,140
2020	2,120,846	8,483,384	10,604,230
<b>Total</b>	<b>\$2,292,674</b>	<b>\$9,170,696</b>	<b>\$11,463,370</b>

Project Cost Estimates by Year			
Year	Planning	Construction	Total
2019	859,140	-	859,140
2020	898,660	9,705,570	10,604,230
<b>Total</b>	<b>\$1,757,800</b>	<b>\$9,705,570</b>	<b>\$11,463,370</b>

# Morning Drive Pump Station Upgrade

\*\*\*\*\*

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:

2025-2026

\*\*\*\*\*

**Total Project Cost:**  
**\$2,342,300**

## About the Project

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.



The scope of this project is to upgrade the Morning Drive Pump Station (pumps, piping, valves, controls, etc.).

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			
Year	Water Fund	System Impact Fee	Total
2025	93,075	93,075	186,150
2026	1,078,075	1,078,075	2,156,150
<b>Total</b>	<b>\$1,171,150</b>	<b>\$1,171,150</b>	<b>\$2,342,300</b>

Project Cost Estimates by Year			
Year	Planning	Construction	Total
2025	186,150	-	186,150
2026	196,010	1,960,140	2,156,150
<b>Total</b>	<b>\$382,160</b>	<b>\$1,960,140</b>	<b>\$2,342,300</b>

# 3.5 Million Gallon 43rd St. Water 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*

Project Number:

*N/A*

Duration:

*2026*

\*\*\*\*\*

**Total Project  
Cost:  
\$640,310**

## About the Project

The scope of this project is to build a second tank (3.5 MG) at the 43<sup>rd</sup> Street site.

This is needed to meet the increasing water demands in the P1 pressure zone that are a result of increased population in the northwest portion of the City.



Funding Sources			
Year	Water Fund	System Impact Fee	Total
2026	128,062	512,248	640,310
<b>Total</b>	<b>\$128,062</b>	<b>\$512,248</b>	<b>\$640,310</b>

Project Cost Estimates by Year		
Year	Planning	Total
2026	640,310	640,310
<b>Total</b>	<b>\$640,310</b>	<b>\$640,310</b>

# SW Booster Station

\*\*\*\*\*

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:

*2026*

\*\*\*\*\*

**Total Project  
Cost:  
\$326,690**

## About the Project

The scope of this project is to build a water pump station at a to-be-determined location within the southwest portion of the City.

This is needed to meet the increasing water demands and meet minimum pressure requirements within the City a water pump station will be necessary. Additionally the water pump station will help move water to the eastside of the City.



Funding Sources			
Year	Water Fund	System Impact Fee	Total
2026	163,345	163,345	326,690
<b>Total</b>	<b>\$163,345</b>	<b>\$163,345</b>	<b>\$326,690</b>

Project Cost Estimates by Year		
Year	Planning	Total
2026	326,690	326,690
<b>Total</b>	<b>\$326,690</b>	<b>\$326,690</b>

# 2.0 Million Gallon Dakota Ridge Water Storage Tank

\*\*\*\*\*

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:

2023-2024

\*\*\*\*\*

**Total Project  
Cost:  
\$10,271,340**

## About the Project

The scope of this project is to build a 2.0 MG Tank at Dakota Ridge for the P2 Zone.



A 2.0 million gallon (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			
Year	Water Fund	System Impact Fee	Total
2023	115,419	654,041	769,460
2024	1,425,282	8,076,598	9,501,880
<b>Total</b>	<b>\$1,540,701</b>	<b>\$8,730,639</b>	<b>\$10,271,340</b>

Project Cost Estimates by Year			
Year	Planning	Construction	Total
2023	769,460	-	769,460
2024	810,240	8,691,640	9,501,880
<b>Total</b>	<b>\$1,579,700</b>	<b>\$8,691,640</b>	<b>\$10,271,340</b>

# Pressure Zone 2 Water Pump Station & Discharge Piping

\*\*\*\*\*

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:

*N/A*

Duration:

*2017-2018*

\*\*\*\*\*

**Total Project  
Cost:  
\$1,314,190**

## About the Project

The scope of this project is to pay for a portion of pumping improvements at the 29<sup>th</sup> Street pump station to feed approved development within the P2 zone.



Future development within the P2 zone will require the 29<sup>th</sup> Street 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			
Year	Water Fund	System Impact Fee	Total
2017	10,490	94,410	104,900
2018	120,929	1,088,361	1,209,290
<b>Total</b>	<b>\$131,419</b>	<b>\$1,182,771</b>	<b>\$1,314,190</b>

Project Cost Estimates by Year			
Year	Planning	Construction	Total
2017	104,900	-	104,900
2018	109,940	1,099,350	1,209,290
<b>Total</b>	<b>\$214,840</b>	<b>\$1,099,350</b>	<b>\$1,314,190</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:

*N/A*

Duration:

*2018-2019*

\*\*\*\*\*

**Total Project  
Cost:  
\$822,000**

## About the Project

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.



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-inch modulating valve.

Funding Sources		
Year	Water Fund	Total
2018	65,960	65,960
2019	756,040	756,040
<b>Total</b>	<b>\$822,000</b>	<b>\$822,000</b>

Project Cost Estimates by Year			
Year	Planning	Construction	Total
2018	65,960	-	65,960
2019	68,730	687,310	756,040
<b>Total</b>	<b>\$134,690</b>	<b>\$687,310</b>	<b>\$822,000</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:  
\$503,520**

## About the Project

The Namaqua Hills booster station was built in the 1960s 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.



The scope of this project is to replace equipment that is beyond its useful life, and improve the level of service by providing a backup power source.

Funding Sources		
Year	Water Fund	Total
2017	503,520	503,520
<b>Total</b>	<b>\$503,520</b>	<b>\$503,520</b>

Project Cost Estimates by Year			
Year	Planning	Construction	Total
2017	83,920	419,600	503,520
<b>Total</b>	<b>\$83,920</b>	<b>\$419,600</b>	<b>\$503,520</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:

*2017-2026*

\*\*\*\*\*

**Total Project**

**Cost:**

**\$985,450**

## About the Project

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.



This helps reduce costs and community impact to meet anticipated future capacity needs.

Funding Sources		
Year	System Impact Fee	Total
2017	78,680	78,680
2018	82,450	82,450
2019	85,910	85,910
2020	89,870	89,870
2021	94,630	94,630
2022	99,640	99,640
2023	104,930	104,930
2024	110,490	110,490
2025	116,340	116,340
2026	122,510	122,510
<b>Total</b>	<b>\$985,450</b>	<b>\$985,450</b>

Project Cost Estimates by Year		
Year	Construction	Total
2017	78,680	78,680
2018	82,450	82,450
2019	85,910	85,910
2020	89,870	89,870
2021	94,630	94,630
2022	99,640	99,640
2023	104,930	104,930
2024	110,490	110,490
2025	116,340	116,340
2026	122,510	122,510
<b>Total</b>	<b>\$985,450</b>	<b>\$985,450</b>

# WTP - Filter Plant 2 Roof Replacement

\*\*\*\*\*

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:  
\$125,880**

## About the Project

The scope of this project is to replace the roof on filter plant #2 at the Water Treatment Plant (WTP).



The existing roof is falling into disrepair at filter plant #2. To prevent further damage and contamination to treated water the roof will be replaced.

Funding Sources		
Year	Water Fund	Total
2017	125,880	125,880
<b>Total</b>	<b>\$125,880</b>	<b>\$125,880</b>

Project Cost Estimates by Year			
Year	Planning	Construction	Total
2017	20,980	104,900	125,880
<b>Total</b>	<b>\$20,980</b>	<b>\$104,900</b>	<b>\$125,880</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:

*N/A*

Duration:

*2022-2023*

\*\*\*\*\*

## Total Project

### Cost:

**\$1,337,420**

### About the Project

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, bathrooms, and repurposing a portion of the east chemical building into conference space.

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

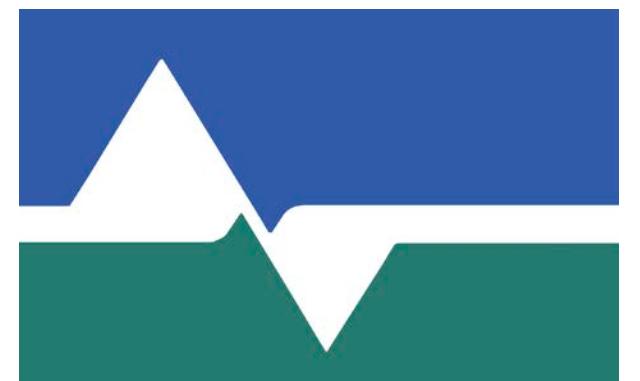
Funding Sources			
Year	Water Fund	System Impact Fee	Total
2022	79,718	26,573	106,290
2023	923,348	307,783	1,231,130
<b>Total</b>	<b>\$1,003,066</b>	<b>\$334,356</b>	<b>\$1,337,420</b>

Project Cost Estimates by Year			
Year	Planning	Construction	Total
2022	106,290	-	106,290
2023	111,920	1,119,210	1,231,130
<b>Total</b>	<b>\$218,210</b>	<b>\$1,119,210</b>	<b>\$1,337,420</b>

## 2017-2026 Wastewater Utility Capital Program

	2017	2018	2019	2020	2021	Five Year Total					Ten Year Total					
						2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
<b>Revenue</b>																
<b>Beginning Balance</b>	\$ 17,153,057	\$ 8,035,827	\$ 3,088,157	\$ 6,545,558	\$ 14,038,029	\$ 17,153,057	\$ 18,443,740	\$ 21,541,860	\$ 28,528,611	\$ 39,476,482	\$ 46,307,153	\$ 17,153,057				
Operating Revenues	2,807,209	4,016,910	5,375,130	6,280,770	7,905,020	26,385,039	7,621,530	8,052,040	8,395,810	8,647,210	8,737,040	67,838,669				
SIF Revenues	2,139,690	2,394,020	2,558,570	2,905,440	3,329,700	13,327,420	3,782,050	4,069,350	4,641,720	5,236,090	5,866,800	36,923,430				
General Loan Payment	(1,051,430)	(1,051,430)	(1,051,430)	(1,051,430)	(1,051,430)	(5,257,150)	(1,051,430)	(1,051,430)	(1,051,430)	(1,051,430)	(1,051,430)	(10,514,300)				
SIF Loan Payment	(584,859)	(584,859)	(584,859)	(584,859)	(584,859)	(2,924,296)	(584,859)	(584,859)	(584,859)	(584,859)	(584,859)	(5,848,593)				
Interest	300,180	170,760	81,060	188,190	491,340	1,231,530	737,750	915,530	1,248,130	1,727,100	2,025,930	7,885,970				
<b>Total Revenue</b>	<b>\$ 20,763,847</b>	<b>\$ 12,981,227</b>	<b>\$ 9,466,628</b>	<b>\$ 14,283,669</b>	<b>\$ 24,127,800</b>	<b>\$ 49,915,600</b>	<b>\$ 28,948,780</b>	<b>\$ 32,942,491</b>	<b>\$ 41,177,982</b>	<b>\$ 53,450,593</b>	<b>\$ 61,300,633</b>	<b>\$ 113,438,233</b>				
<b>Expense</b>																
<b>Bricks &amp; Mortar</b>																
24" Parallel Boyd Interceptor (Sewer)	402,820	5,699,040	-	-	-	6,101,860	-	-	-	-	-	6,101,860				
Highway 402 Wastewater Main Extension	-	-	-	-	-	-	-	-	-	-	-	465,370	6,942,170	7,407,540		
Sewer Line Replacement (Capacity Upgrades)	-	-	-	-	-	-	-	-	111,920	1,591,010	-	-	1,702,930			
South Catalyst Sewer Improvements	472,050	-	-	-	-	472,050	-	-	-	-	-	472,050				
Miscellaneous Sewer Line Rehabilitation Projects	1,049,000	-	1,145,520	-	3,154,310	5,348,830	-	4,197,030	-	4,653,710	-	14,199,570				
North Horseshoe Lift Station Upgrades	-	-	-	71,890	832,730	904,620	-	-	-	-	-	904,620				
East Side Lift Station 3rd Pump Install	-	-	-	35,950	416,370	452,320	-	-	-	-	-	452,320				
Southside Lift Station Generator	-	-	-	47,930	555,160	603,090	-	-	-	-	-	603,090				
Bus Barn Lift Station Renovation	482,540	-	-	-	-	482,540	-	-	-	-	-	482,540				
Extension and Oversizing Projects	78,680	82,450	85,910	89,870	94,630	431,540	99,640	104,930	110,490	116,340	122,510	985,450				
WWTP Final Clarifier #4	-	-	-	-	630,860	630,860	7,307,280	-	-	-	-	7,938,140				
WWTP Primary Clarifier #3 & Trickling Filter	-	-	-	-	-	-	-	-	-	465,370	5,390,400	5,855,770				
WWTP Digested Sludge Dewatering	-	-	-	-	-	-	-	-	-	1,442,650	16,710,210	18,152,860				
WWTP New Laboratory Building	314,700	3,627,870	-	-	-	3,942,570	-	-	-	-	-	3,942,570				
WWTP Upgrade Programmable Logic Controllers	-	-	315,020	-	-	315,020	-	-	-	-	-	315,020				
WWTP Replace Aeration Lift Station MCC	-	483,710	-	-	-	483,710	-	-	-	-	-	483,710				
WWTP Interceptor Junction Box	-	-	1,374,620	-	-	1,374,620	-	-	-	-	-	1,374,620				
WWTP Expansion to 12 Million Gallons per Day	9,808,150	-	-	-	-	9,808,150	-	-	-	-	-	9,808,150				
<b>Subtotal Bricks &amp; Mortar</b>	<b>\$ 12,607,940</b>	<b>\$ 9,893,070</b>	<b>\$ 2,921,070</b>	<b>\$ 245,640</b>	<b>\$ 5,684,060</b>	<b>\$ 31,351,780</b>	<b>\$ 7,406,920</b>	<b>\$ 4,413,880</b>	<b>\$ 1,701,500</b>	<b>\$ 7,143,440</b>	<b>\$ 29,165,290</b>	<b>\$ 81,182,810</b>				
<b>General Plant</b>																
General Plant Capital Projects	120,080	-	-	-	-	120,080	-	-	-	-	-	120,080				
<b>Subtotal General Plant</b>	<b>\$ 120,080</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 120,080</b>	<b>\$ -</b>	<b>\$ 120,080</b>								
<b>New &amp; Replacement Equipment</b>																
Large Vehicle Replacements	-	-	-	-	-	-	-	-	-	-	-	-				
<b>Subtotal Equipment</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>				
<b>Total</b>	<b>\$ 12,728,020</b>	<b>\$ 9,893,070</b>	<b>\$ 2,921,070</b>	<b>\$ 245,640</b>	<b>\$ 5,684,060</b>	<b>\$ 31,351,780</b>	<b>\$ 7,406,920</b>	<b>\$ 4,413,880</b>	<b>\$ 1,701,500</b>	<b>\$ 7,143,440</b>	<b>\$ 29,165,290</b>	<b>\$ 81,302,890</b>				
<b>Reserve for Future Capital Projects</b>	<b>\$ 8,035,827</b>	<b>\$ 3,088,157</b>	<b>\$ 6,545,558</b>	<b>\$ 14,038,029</b>	<b>\$ 18,443,740</b>	<b>\$ 18,563,820</b>	<b>\$ 21,541,860</b>	<b>\$ 28,528,611</b>	<b>\$ 39,476,482</b>	<b>\$ 46,307,153</b>	<b>\$ 32,135,343</b>	<b>\$ 32,135,343</b>				

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**City of Loveland**

## 24" Parallel Boyd Interceptor (Sewer)

\*\*\*\*\*

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:

2017-2018

\*\*\*\*\*

**Total Project  
Cost:  
\$6,101,860**

### About the Project

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.

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			
Year	Wastewater Fund	System Impact Fee	Total
2017	80,564	322,256	402,820
2018	1,139,808	4,559,232	5,699,040
<b>Total</b>	<b>\$1,220,372</b>	<b>\$4,881,488</b>	<b>\$6,101,860</b>

Project Cost Estimates by Year			
Year	Engineering	Construction	Total
2017	402,820	-	402,820
2018	422,150	5,276,890	5,699,040
<b>Total</b>	<b>\$824,970</b>	<b>\$5,276,890</b>	<b>\$6,101,860</b>

# Highway 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:

2025-2026

\*\*\*\*\*

**Total Project  
Cost:  
\$7,407,540**

## About the Project

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.



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		
Year	System Impact Fee	Total
2025	465,370	465,370
2026	6,942,170	6,942,170
<b>Total</b>	<b>\$7,407,540</b>	<b>\$7,407,540</b>

Project Cost Estimates by Year			
Year	Engineering	Construction	Total
2025	465,370	-	465,370
2026	408,360	6,533,810	6,942,170
<b>Total</b>	<b>\$873,730</b>	<b>\$6,533,810</b>	<b>\$7,407,540</b>

# Sewer Line Replacement (Capacity Upgrades)

\*\*\*\*\*

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:

2023-2024

\*\*\*\*\*

**Total Project Cost:**  
**\$1,702,930**

## About the Project

This project will include replacing existing sanitary sewer collection or interceptor lines that are undersized due to growth. The timing and location for such improvements are not known at this time but will become more clear as development occurs.



As development occurs, additional flows are added to the sanitary sewer system and need to be conveyed to the wastewater treatment plant. Depending on the location and density of development, some of the existing sewer collection and interceptor lines may not be capable of handling these added flows. This project will either include installation of parallel sewer lines or replacement of existing sewer lines with larger lines in order to safely convey the sanitary sewer flows to the treatment plant.

Funding Sources			
Year	Wastewater Fund	System Impact Fee	Total
2023	55,960	55,960	111,920
2024	795,505	795,505	1,591,010
<b>Total</b>	<b>\$851,465</b>	<b>\$851,465</b>	<b>\$1,702,930</b>

Project Cost Estimates by Year			
Year	Engineering	Construction	Total
2023	111,920	-	111,920
2024	117,850	1,473,160	1,591,010
<b>Total</b>	<b>\$229,770</b>	<b>\$1,473,160</b>	<b>\$1,702,930</b>

# South Catalyst Sewer Improvements

\*\*\*\*\*

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:

**2017**

\*\*\*\*\*

**Total Project  
Cost:  
\$472,050**

## About the Project

This project involves the re-route of the existing sanitary sewer in the alley between 2<sup>nd</sup> and 3<sup>rd</sup> Street. The new sewer line will be rerouted from a new manhole at the alley and Cleveland Avenue. A new sanitary sewer will then be laid to the south terminating at 1<sup>st</sup> Street and Cleveland Avenue. This will involve the replacement of the existing sanitary sewer beneath the ditch in order to eliminate a significant belly that currently impedes flow.

With the proposed Catalyst project to rehabilitate and develop between Cleveland Avenue and Lincoln Avenue and 1<sup>st</sup> Street and the alley north of 3<sup>rd</sup> Street, comes the need to insure that the downstream sewer can handle the increased flows associated with the new development.

Additionally, there are Catalyst proposals that would build over the existing sanitary sewer in the alley between 2<sup>nd</sup> and 3<sup>rd</sup> Streets. Therefore, the existing sanitary sewer must be re-routed so that it is not beneath buildings. Logically the new sewer will run down Cleveland Avenue and tie into an existing sanitary sewer that passes beneath an irrigation ditch. During investigation a significant belly was found that must be repaired so that sewer can flow downstream.



Funding Sources		
Year	Wastewater Fund	Total
2017	472,050	472,050
<b>Total</b>	<b>\$472,050</b>	<b>\$472,050</b>

Project Cost Estimates by Year			
Year	Engineering	Construction	Total
2017	73,430	398,620	472,050
<b>Total</b>	<b>\$73,430</b>	<b>\$398,620</b>	<b>\$472,050</b>

# Miscellaneous Sewer Line Rehab 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:  
\$14,199,570**

## About the Project

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

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		
Year	Wastewater Fund	Total
2017	1,049,000	1,049,000
2019	1,145,520	1,145,520
2021	3,154,310	3,154,310
2023	4,197,030	4,197,030
2025	4,653,710	4,653,710
<b>Total</b>	<b>\$14,199,570</b>	<b>\$14,199,570</b>

Project Cost Estimates by Year		
Year	Construction	Total
2017	1,049,000	1,049,000
2019	1,145,520	1,145,520
2021	3,154,310	3,154,310
2023	4,197,030	4,197,030
2025	4,653,710	4,653,710
<b>Total</b>	<b>\$14,199,570</b>	<b>\$14,199,570</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:**  
**\$904,620**

## About the Project

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.



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		
Year	Wastewater Fund	Total
2020	71,890	71,890
2021	832,730	832,730
<b>Total</b>	<b>\$904,620</b>	<b>\$904,620</b>

Project Cost Estimates by Year			
Year	Engineering	Construction	Total
2020	71,890	-	71,890
2021	75,700	757,030	832,730
<b>Total</b>	<b>\$147,590</b>	<b>\$757,030</b>	<b>\$904,620</b>

# East Side Lift 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 / Construction*

Project Number:

*N/A*

Duration:

*2020-2021*

\*\*\*\*\*

**Total Project  
Cost:  
\$452,320**

## About the Project

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.



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 reach 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		
Year	System Impact Fee	Total
2020	35,950	35,950
2021	416,370	416,370
<b>Total</b>	<b>\$452,320</b>	<b>\$452,320</b>

Project Cost Estimates by Year			
Year	Engineering	Construction	Total
2020	35,950	-	35,950
2021	37,850	378,520	416,370
<b>Total</b>	<b>\$73,800</b>	<b>\$378,520</b>	<b>\$452,320</b>

# Southside Lift Station Generator

\*\*\*\*\*

Department:

Water & Power

Division:

Wastewater

Project Manager:

*Brian Gandy/Tom Greene*

Phone Number:

970.962.3760/3706

Email:

*Brian.Gandy@cityofloveland.org*

*Tom.Greene@cityofloveland.org*

Project Category:

*Engineering / Construction*

Project Number:

*N/A*

Duration:

*2020-2021*

\*\*\*\*\*

**Total Project Cost:**  
**\$603,090**

## About the Project

This project is to install an emergency generator at the Southside Lift Station.



The Southside Lift Station is the only sanitary sewer lift station that the City has that does not have an emergency generator. It is fed by two different power sources that originate from different sub-stations. However, during storm events both sources of power have been lost causing the sewer wetwell to fill. The emergency generator will also aid in future Colorado Department of Health and Environment reviews that require contingency plans.

Funding Sources		
Year	Wastewater Fund	Total
2020	47,930	47,930
2021	555,160	555,160
<b>Total</b>	<b>\$603,090</b>	<b>\$603,090</b>

Project Cost Estimates by Year			
Year	Engineering	Construction	Total
2020	47,930	-	47,930
2021	50,470	504,690	555,160
<b>Total</b>	<b>\$98,400</b>	<b>\$504,690</b>	<b>\$603,090</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:  
\$482,540**

## About the Project

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 horsepower 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).

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.

<b>Funding Sources</b>		
<b>Year</b>	<b>Wastewater Fund</b>	<b>Total</b>
2017	482,540	482,540
<b>Total</b>	<b>\$482,540</b>	<b>\$482,540</b>

<b>Project Cost Estimates by Year</b>			
<b>Year</b>	<b>Engineering</b>	<b>Construction</b>	<b>Total</b>
2017	62,940	419,600	482,540
<b>Total</b>	<b>\$62,940</b>	<b>\$419,600</b>	<b>\$482,540</b>

# Extension and Oversizing 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:

*N/A*

Duration:

*2017-2026*

\*\*\*\*\*

**Total Project  
Cost:  
\$985,450**

## About the Project

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



Utility reimburses the Developer for these increased costs through the Extension and Oversizing program. Future anticipated wastewater main alignment and sizes have been planned for in the Water/Wastewater Master Plan.

This helps to reduce the costs and community impact to meet anticipated future capacity needs.

Funding Sources		
Year	System Impact Fee	Total
2017	78,680	78,680
2018	82,450	82,450
2019	85,910	85,910
2020	89,870	89,870
2021	94,630	94,630
2022	99,640	99,640
2023	104,930	104,930
2024	110,490	110,490
2025	116,340	116,340
2026	122,510	122,510
<b>Total</b>	<b>\$985,450</b>	<b>\$985,450</b>

Project Cost Estimates by Year		
Year	Construction	Total
2017	78,680	78,680
2018	82,450	82,450
2019	85,910	85,910
2020	89,870	89,870
2021	94,630	94,630
2022	99,640	99,640
2023	104,930	104,930
2024	110,490	110,490
2025	116,340	116,340
2026	122,510	122,510
<b>Total</b>	<b>\$985,450</b>	<b>\$985,450</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:

*N/A*

Duration:

*2021-2022*

\*\*\*\*\*

**Total Project  
Cost:  
\$7,938,140**

## About the Project

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

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 millions gallons per day (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			
Year	Wastewater Fund	System Impact Fee	Total
2021	126,172	504,688	630,860
2022	1,461,456	5,845,824	7,307,280
<b>Total</b>	<b>\$1,587,628</b>	<b>\$6,350,512</b>	<b>\$7,938,140</b>

Project Cost Estimates by Year			
Year	Engineering	Construction	Total
2021	630,860	-	630,860
2022	664,300	6,642,980	7,307,280
<b>Total</b>	<b>\$1,295,160</b>	<b>\$6,642,980</b>	<b>\$7,938,140</b>

# WWTP Primary Clarifier #3 Trickling Filter

\*\*\*\*\*

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:

*2025-2026*

\*\*\*\*\*

**Total Project  
Cost:  
\$5,855,770**

## About the Project

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 million gallons per day (MGD). The primary clarifier will be constructed in the area now occupied by the decommissioned trickling filters.



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 12 MGD.

Funding Sources			
Year	Wastewater Fund	System Impact Fee	Total
2025	116,343	349,028	465,370
2026	1,347,600	4,042,800	5,390,400
<b>Total</b>	<b>\$1,463,943</b>	<b>\$4,391,828</b>	<b>\$5,855,770</b>

Project Cost Estimates by Year			
Year	Engineering	Construction	Total
2025	465,370	-	465,370
2026	490,040	4,900,360	5,390,400
<b>Total</b>	<b>\$955,410</b>	<b>\$4,900,360</b>	<b>\$5,855,770</b>

# WWTP 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:

*N/A*

Duration:

*2025-2026*

\*\*\*\*\*

**Total Project Cost:  
\$18,152,860**

## About the Project

This project will be built in the area of the Wasting Activated Sludge thickening building and will incorporate centrifuges or related technology for dewatering and solids cake loading into biosolids hauling trucks.

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			
Year	Wastewater Fund	System Impact Fee	Total
2025	865,590	577,060	1,442,650
2026	10,026,126	6,684,084	16,710,210
<b>Total</b>	<b>\$10,891,716</b>	<b>\$7,261,144</b>	<b>\$18,152,860</b>

Project Cost Estimates by Year			
Year	Engineering	Construction	Total
2025	1,442,650	-	1,442,650
2026	1,519,110	15,191,100	16,710,210
<b>Total</b>	<b>\$2,961,760</b>	<b>\$15,191,100</b>	<b>\$18,152,860</b>

# WWTP 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: **\$3,942,570**

### About the Project

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 or more years old and would need to be replaced and updated, as part of a new water quality Lab.



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, and 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, and ovens. This would allow the water quality lab to meet stricter mandatory standards and perform additional metals analysis, in-house with less staff time.

Funding Sources			
Year	Wastewater Fund	System Impact Fee	Total
2017	157,350	157,350	314,700
2018	1,813,935	1,813,935	3,627,870
<b>Total</b>	<b>\$1,971,285</b>	<b>\$1,971,285</b>	<b>\$3,942,570</b>

Project Cost Estimates by Year			
Year	Engineering	Construction	Total
2017	314,700	-	314,700
2018	329,810	3,298,060	3,627,870
<b>Total</b>	<b>\$644,510</b>	<b>\$3,298,060</b>	<b>\$3,942,570</b>

**WWTP  
Upgrade Programma-  
ble Logic Controllers**

\*\*\*\*\*

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:

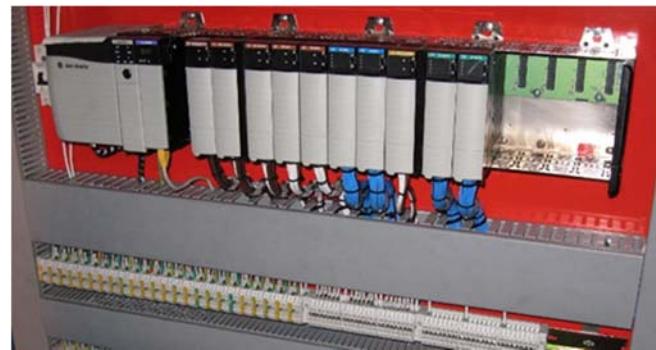
*2019*

\*\*\*\*\*

**Total Project  
Cost:  
\$315,020**

**About the Project**

Replacement of all existing Allen Bradley SLC 500 PLCs at the Wastewater Treatment Plant (WWTP) to the new platform Allen Bradley Controllogix PLC controllers. There are 7 processors that need to be upgraded at the



WWTP. This project will also include programming and integration for the transition from RSLogix 500 to RSLogix 5000 and the replacement of existing SLC level I/O.

These processors control all automation, alarms, data acquisition, and control for the WWTP SCADA systems. The SLC 500 platform has been around for over 20 years and Allen Bradley is going to silver series the entire line in the next few years which means that parts and components are going to be hard to get and at double to triple the price. This upgrade would not only give more functionality and dependability but would secure us in the future from higher prices or complete obsolete equipment. If we have PLC failures, we run the risk of violating the permits at both plants.

<b>Funding Sources</b>		
<b>Year</b>	<b>Wastewater Fund</b>	<b>Total</b>
2019	315,020	315,020
<b>Total</b>	<b>\$315,020</b>	<b>\$315,020</b>

<b>Project Cost Estimates by Year</b>			
<b>Year</b>	<b>Engineering</b>	<b>Construction</b>	<b>Total</b>
2019	28,640	286,380	315,020
<b>Total</b>	<b>\$28,640</b>	<b>\$286,380</b>	<b>\$315,020</b>

# WWTP Replace Aeration List Station MCC

\*\*\*\*\*

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:

*2018*

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## Total Project Cost: **\$483,710**

### About the Project

This project will replace and upgrade MCC-6 (Motor Control Center) at the Wastewater Treatment Plant (WWTP) which feeds power to the Aeration Lift Pump VFDs. The replacement will include staging, a temporary generator, and possibly bypass pumping during construction as the pump station must remain in operation at all times to keep from violating the WWTP



discharge permit. The new MCC will contain new VFDs which will need to be programmed and implemented into PLC-4. This will require an integrator to modify the logic for the PLC and new MCC to communicate.

MCC-6 is over 25 years old and parts have become obsolete. If there is a failure, parts will be hard to find and cost a premium. This MCC is critical in preventing violations with the discharge permit as it maintains the aeration lift pumps operations. If these pumps were to go down the plant would not be able to operate and a violation would occur.

Funding Sources		
Year	Wastewater Fund	Total
2018	483,710	483,710
<b>Total</b>	<b>\$483,710</b>	<b>\$483,710</b>

Project Cost Estimates by Year			
Year	Engineering	Construction	Total
2018	43,970	439,740	483,710
<b>Total</b>	<b>\$43,970</b>	<b>\$439,740</b>	<b>\$483,710</b>

# WWTP Interceptor Junction Box

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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:

*2019*

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## Total Project

### Cost:

**\$1,374,620**

## About the Project

The Wastewater Treatment Plant (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.



This project is necessary to extend the life of existing infrastructure, and to add operation flexibility.

Funding Sources		
Year	Wastewater Fund	Total
2019	1,374,620	1,374,620
<b>Total</b>	<b>\$1,374,620</b>	<b>\$1,374,620</b>

Project Cost Estimates by Year			
Year	Engineering	Construction	Total
2019	229,100	1,145,520	1,374,620
<b>Total</b>	<b>\$229,100</b>	<b>\$1,145,520</b>	<b>\$1,374,620</b>

# WWTP Expansion to 12 Million Gallons per Day

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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*

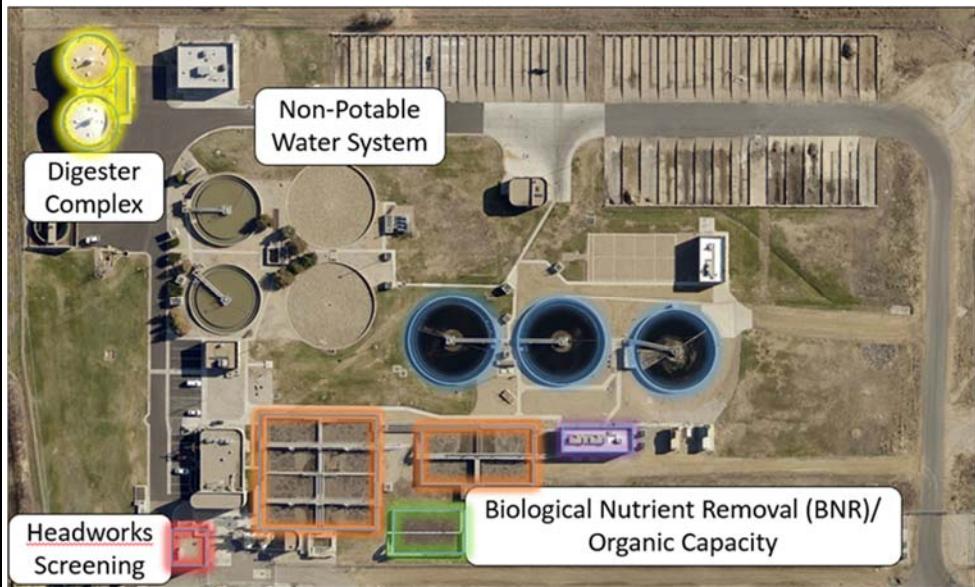
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**Total Project Cost:**  
**\$9,808,150**

## About the Project

Design and construct Wastewater Treatment Plant (WWTP) improvements to bring the plant's rated hydraulic capacity, with the Colorado Department of Public Health and the Environment (CDPHE) up to 12 million gallons per day (MGD).

As growth continues flow loading to the WWTP continues to increase. Hydraulic and biological capacity must be added to the plant to meet loading demands and satisfy CDPHE requirements.



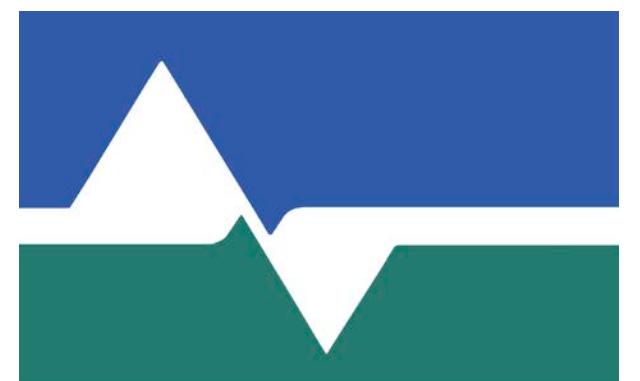
Funding Sources			
Year	Wastewater Fund	System Impact Fee	Total
2017	6,081,053	3,727,097	9,808,150
<b>Total</b>	<b>\$6,081,053</b>	<b>\$3,727,097</b>	<b>\$9,808,150</b>

Project Cost Estimates by Year			
Year	Engineering	Construction	Total
2017	891,650	8,916,500	9,808,150
<b>Total</b>	<b>\$891,650</b>	<b>\$8,916,500</b>	<b>\$9,808,150</b>

## 2017-2026 Raw Water Utility Capital Program

	2017	2018	2019	2020	2021	Five Year Total					Ten Year Total				
						2022	2023	2024	2025	2026					
<b>Revenue</b>															
<b>Beginning Balance</b>	\$ 20,514,333	\$ 24,969,158	\$ 3,285,158	\$ 3,934,328	\$ 4,696,498	\$ 20,514,333	\$ 5,674,698	\$ 6,853,568	\$ 8,170,078	\$ 9,607,788	\$ 11,145,998				20,514,333
1% Transfer from Water Rates	433,060	471,670	521,080	570,780	625,680	2,622,270	686,300	722,010	760,070	800,580	843,710				6,434,940
Raw Water Devlpmt Fees/Cap Rec Srchg	402,930	434,860	449,350	473,510	521,830	2,282,480	560,480	599,140	637,790	676,450	715,100				5,471,440
Cash-in-Lieu	250,000	254,330	258,960	263,910	269,190	1,296,390	274,790	280,700	286,930	293,470	300,340				2,732,620
Hi-Use Surcharge	52,500	53,410	54,380	55,420	56,530	272,240	57,710	58,950	60,260	61,630	63,070				573,860
Native Raw Water Storage Fee Received	5,000	5,090	5,180	5,280	5,390	25,940	5,500	5,620	5,740	5,870	6,010				54,680
Interest	374,120	549,270	482,980	542,380	680,440	2,629,190	808,390	899,600	973,500	1,025,830	1,082,240				7,418,750
Water Loan Payments Received	4,050,375	-	-	-	-	4,050,375	-	-	-	-	-				4,050,375
External Loan	-	9,200,000				9,200,000									9,200,000
External Loan Payment			(550,000)	(550,000)	(550,000)	(1,650,000)	(550,000)	(550,000)	(550,000)	(550,000)	(550,000)				(4,400,000)
<b>Total Revenue</b>	\$ 26,082,318	\$ 35,937,788	\$ 4,507,088	\$ 5,295,608	\$ 6,305,558	\$ 41,243,218	\$ 7,517,868	\$ 8,869,588	\$ 10,344,368	\$ 11,921,618	\$ 13,606,468	\$ 52,050,998			
<b>Expense</b>															
<b>Bricks &amp; Mortar</b>															
Windy Gap Firming Project (Chimney Hollow - 7,000 acre feet)	483,760	32,102,950	-	-	-	32,586,710	-	-	-	-	-				32,586,710
Colorado Big Thompson (CBT) Water Purchases	524,500	549,680	572,760	599,110	630,860	2,876,910	664,300	699,510	736,580	775,620	816,730				6,569,650
Future Water Court Transfer Actions	104,900	-	-	-	-	104,900	-	-	-	-	-				104,900
<b>Subtotal Bricks &amp; Mortar</b>	\$ 1,113,160	\$ 32,652,630	\$ 572,760	\$ 599,110	\$ 630,860	\$ 35,568,520	\$ 664,300	\$ 699,510	\$ 736,580	\$ 775,620	\$ 816,730	\$ 39,261,260			
<b>Total</b>	\$ 1,113,160	\$ 32,652,630	\$ 572,760	\$ 599,110	\$ 630,860	\$ 35,568,520	\$ 664,300	\$ 699,510	\$ 736,580	\$ 775,620	\$ 816,730	\$ 39,261,260			
<b>Reserve for Future Capital Projects</b>	\$ 24,969,158	\$ 3,285,158	\$ 3,934,328	\$ 4,696,498	\$ 5,674,698	\$ 5,674,698	\$ 6,853,568	\$ 8,170,078	\$ 9,607,788	\$ 11,145,998	\$ 12,789,738	\$ 12,789,738			

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**City of Loveland**

**Windy Gap Firming Project  
(Chimney Hollow—7,000 acre  
feet)**

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Department:

*Water & Power*

Division:

*Raw Water*

Project Manager:

*Larry Howard*

Phone Number:

970.962.3703

Email:

*Larry.Howard@  
cityofloveland.org*

Project Category:

*Planning*

Project Code:

*W038AA*

Duration:

2017- 2018

\*\*\*\*\*

**Total Project  
Cost:  
\$32,586,710**

**About the Project**

Loveland has been involved with the Windy Gap Project as an original participant since the project's inception in the 1960's. The city's 40 units in the original Windy Gap Project, when paired with storage as planned in the Windy Gap Firming Project will provide Loveland with over 4,000 acre feet of firm yield, or approximately



14% of the city's projected need for 30,000 acre feet of firm yield. 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. Loveland's current subscription in the project is for 7,000 acre feet of storage space. The state's 401 certification was issued recently, and on April 13, 2016, Governor John Hickenlooper formally endorsed the project and directed his staff to work with the U.S. Army Corps of Engineers in the agency's issuance of a Section 404 Permit, the final federal regulatory step for the project. Following issuance of the 404 permit, the city can look forward moving ahead to engineering design, construction, and bringing online this vital project. Current projections are that first fill may occur by 2021.

<b>Funding Sources</b>		
<b>Year</b>	<b>Raw Water Fund</b>	<b>Total</b>
2017	483,760	483,760
2018	32,102,950	32,102,950
<b>Total</b>	<b>\$32,586,710</b>	<b>\$32,586,710</b>

<b>Project Cost Estimates by Year</b>		
<b>Year</b>	<b>Planning</b>	<b>Total</b>
2017	483,760	483,760
2018	32,102,950	32,102,950
<b>Total</b>	<b>\$32,586,710</b>	<b>\$32,586,710</b>

# Colorado Big Thompson (CBT) Water Purchases

\*\*\*\*\*

Department:

*Water & Power*

Division:

*Raw Water*

Project Manager:

*Larry Howard*

Phone Number:

970.962.3703

Email:

*Larry.Howard@  
cityofloveland.org*

Project Category:

*Planning*

Project Code:

*W1014A*

Duration:

2017-2026

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**Total Project  
Cost:  
\$6,569,650**

## 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 water 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. Staff actively monitors the markets and negotiates with potential sellers.



Funding Sources		
Year	Raw Water Fund	Total
2017	524,500	524,500
2018	549,680	549,680
2019	572,760	572,760
2020	599,110	599,110
2021	630,860	630,860
2022	664,300	664,300
2023	699,510	699,510
2024	736,580	736,580
2025	775,620	775,620
2026	816,730	816,730
<b>Total</b>	<b>\$6,569,650</b>	<b>\$6,569,650</b>

Project Cost Estimates by Year		
Year	Planning	Total
2017	524,500	524,500
2018	549,680	549,680
2019	572,760	572,760
2020	599,110	599,110
2021	630,860	630,860
2022	664,300	664,300
2023	699,510	699,510
2024	736,580	736,580
2025	775,620	775,620
2026	816,730	816,730
<b>Total</b>	<b>\$6,569,650</b>	<b>\$6,569,650</b>