

2019-2028 Water Utility Capital Program

	2019	2020	2021	2022	2023	Five Year Total	2024	2025	2026	2027	2028	Ten Year Total
Revenue												
Beginning Balance	\$ 5,849,060	\$ 5,371,576	\$ 3,023,569	\$ 4,774,780	\$ 5,120,848	\$ 5,849,060	\$ 5,097,158	\$ 8,302,277	\$ 12,690,832	\$ 10,091,357	\$ 9,270,641	\$ 5,849,060
A Operating Revenues	2,201,407	4,369,575	5,158,873	6,629,988	6,965,532	25,325,375	7,250,303	7,542,071	7,069,797	8,349,391	8,799,941	64,336,878
B SIF Revenues	2,341,834	2,422,228	2,543,468	2,671,151	2,804,327	12,783,007	2,943,421	3,422,814	3,588,854	3,761,737	3,924,581	30,424,414
C Aid to Construction	3,056,400	-	-	-	-	3,056,400	-	-	-	-	-	3,056,400
D Interest on Investments	\$157,930	\$161,150	\$84,970	\$128,920	\$143,380	676,350	\$168,210	\$290,580	\$469,570	\$383,470	\$361,550	2,349,730
E General Fund Contribution	\$750,000	\$750,000	\$750,000	\$0	\$0	2,250,000	\$0	\$0	\$0	\$0	\$0	2,250,000
F External Loan Receipts	\$0	\$4,000,000	\$0	\$0	\$0	4,000,000	\$13,000,000	\$0	\$0	\$0	\$5,000,000	22,000,000
G Internal Loan Repayment	(783,750)	(772,500)	(761,250)	-	-	(2,317,500)	-	-	-	-	-	(2,317,500)
H External Loan Repayment	(1,015,685)	(1,015,593)	(1,267,685)	(1,266,327)	(1,264,342)	(5,829,633)	(1,266,729)	(2,084,929)	(2,085,902)	(2,086,087)	(2,090,474)	(15,443,753)
Total Revenue	\$ 12,557,196	\$ 15,286,436	\$ 9,531,945	\$ 12,938,511	\$ 13,769,745	\$ 45,793,060	\$ 27,192,363	\$ 17,472,814	\$ 21,733,151	\$ 20,499,868	\$ 25,266,239	\$ 112,505,229
Expenditures												
Capital Projects												
1 WA - 16" Mountain View Discharge in Boyd Lake Avenue	721,500	-	-	-	-	721,500	-	-	-	-	-	721,500
2 WA - 29th Street 5.0 MG Storage Tank #2	648,000	9,204,233	-	-	-	9,852,233	-	-	-	-	-	9,852,233
3 WA - 402 Waterline Extension	-	-	-	169,950	803,180	973,130	11,408,435	-	-	-	-	12,381,565
4 WA - Cold Storage Building	7,500	157,944	-	-	-	165,444	-	-	-	-	-	165,444
5 WA - Mod Valve Vault Rehabilitation	832,500	-	-	-	-	832,500	-	-	-	-	-	832,500
6 WA - Namaqua Hills Pump Station	10,000	681,795	-	-	-	691,795	-	-	-	-	-	691,795
7 WA - New Water Lines	-	-	695,560	3,625,592	3,081,620	7,402,772	812,690	612,580	6,877,668	-	-	15,705,710
8 WA - Oversizing & Extensions	75,000	78,190	81,510	84,970	88,590	408,260	92,350	96,280	100,370	104,630	109,080	910,970
9 WA - P1 Pump Replacement 29th Street	505,000	-	-	-	-	505,000	-	-	-	-	-	505,000
10 WA - P2 Water Pump Station & Discharge Piping	3,805,620	-	-	-	-	3,805,620	-	-	-	-	-	3,805,620
11 WA - Pump Stations & Water Tanks	-	-	-	56,650	177,170	233,820	2,050,190	-	-	767,310	10,465,000	13,516,320
12 WA - Right of Way Relocates	75,000	78,190	81,510	84,970	88,590	408,260	92,350	96,280	100,370	104,630	109,080	910,970
13 WA - Water Line Replacements	112,000	1,707,615	1,875,825	3,257,365	3,336,739	10,289,544	3,478,554	3,722,672	3,880,886	4,045,818	4,163,230	29,580,704
14 WA - Water Main Replacement Projects	-	33,360	710,771	-	-	744,131	-	-	417,530	5,930,609	-	7,092,270
15 WA - Water Meters	198,000	206,420	215,180	224,330	233,870	1,077,800	243,800	254,170	264,970	276,230	287,980	2,404,950
16 WA - Water Treatment Plant Expansion Projects	-	83,400	965,085	-	-	1,048,485	-	-	-	-	290,880	1,339,365
17 WA - Water Treatment Plant Improvements	-	-	-	313,836	862,827	1,176,663	683,397	-	-	-	-	1,860,060
18 WA - Water Treatment Plant Residual Storage Pad	15,000	31,720	131,724	-	-	178,444	-	-	-	-	-	178,444
Subtotal Capital Projects	\$ 7,005,120	\$ 12,262,867	\$ 4,757,165	\$ 7,817,663	\$ 8,672,586	\$ 40,515,401	\$ 18,861,766	\$ 4,781,982	\$ 11,641,794	\$ 11,229,227	\$ 15,425,250	102,455,420
New & Replacement Equipment												
19 WA - Lab Equipment Replacement	25,000	-	-	-	-	25,000	28,320	-	-	-	-	53,320
20 WA - Vehicle Replacements	155,500	-	-	-	-	155,500	-	-	-	-	-	155,500
Subtotal New & Replacement Equipment	\$ 180,500	\$ -	\$ -	\$ -	\$ -	\$ 180,500	\$ 28,320	\$ -	\$ -	\$ -	\$ -	208,820
Total Capital Projects & Equipment	\$ 7,185,620	\$ 12,262,867	\$ 4,757,165	\$ 7,817,663	\$ 8,672,586	\$ 40,695,901	\$ 18,890,086	\$ 4,781,982	\$ 11,641,794	\$ 11,229,227	\$ 15,425,250	102,664,240
Reserve for Future Capital Projects	\$ 5,371,576	\$ 3,023,569	\$ 4,774,780	\$ 5,120,848	\$ 5,097,158	\$ 5,097,158	\$ 8,302,277	\$ 12,690,832	\$ 10,091,357	\$ 9,270,641	\$ 9,840,989	9,840,989

**City of Loveland
Capital Improvement
Program**

300-45-300-0000-300-BF-Executive

REQUEST NAME

WA - 29th Street 5.0 MG Storage Tank #2

REQUEST CODE

CIP-300-45-300-0000-19-166

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT NAME

5.0 MG Water Storage 29th St Tank #2

PROJECT PRIORITY #

1

PROJECT #

W1904D

PROJECT AREA

All Projects

PROJECT DESCRIPTION / NECESSITY



The 29th Street steel tank is one of the most utilized storage facilities supporting over a quarter of the City's water customers. This project will provide a second 5.0 million gallon (MG) 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 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.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	648,000	675,540	0	0	0	0	1,323,540
Construction	0	8,444,250	0	0	0	0	8,444,250
1% for the Arts	0	84,443	0	0	0	0	84,443
Total	648,000	9,204,233	0	0	0	0	9,852,233

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Water Fund Balance	129,600	1,840,847	0	0	0	0	1,970,447
Water SIF Fund Balance	518,400	7,363,386	0	0	0	0	7,881,786
Total	648,000	9,204,233	0	0	0	0	9,852,233

**City of Loveland
Capital Improvement
Program**

300-45-300-0000-300-BF-Executive

REQUEST NAME

WA - 402 Waterline Extension

REQUEST CODE

CIP-300-45-300-0000-19-175

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



As annexation and growth occurs along Colorado State Highway 402 the City anticipates extending water service along the corridor to meet demands.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	0	0	169,950	803,180	837,320	1,810,450
Construction	0	0	0	0	0	10,466,450	10,466,450
1% for the Arts	0	0	0	0	0	104,665	104,665
Total	0	0	0	169,950	803,180	11,408,435	12,381,565

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Water SIF Fund Balance	0	0	0	169,950	803,180	11,408,435	12,381,565
Total	0	0	0	169,950	803,180	11,408,435	12,381,565

**City of Loveland
Capital Improvement
Program**

300-45-300-0000-300-BF-Executive

REQUEST NAME

WA - Cold Storage Building

REQUEST CODE

CIP-300-45-300-0000-19-208

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT NAME

Cold Storage Building

PROJECT PRIORITY #

1

PROJECT #

W1801D

PROJECT AREA

All Projects

PROJECT DESCRIPTION / NECESSITY



The building is needed to store the loader, boat, miscellaneous equipment, and supplies. Currently these items are stored outside, moving them inside should extend their life and improve working conditions for the employees.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	7,500	0	0	0	0	0	7,500
Construction	0	156,380	0	0	0	0	156,380
1% for the Arts	0	1,564	0	0	0	0	1,564
Total	7,500	157,944	0	0	0	0	165,444

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Water Fund Balance	3,750	78,972	0	0	0	0	82,722
Water SIF Fund Balance	3,750	78,972	0	0	0	0	82,722
Total	7,500	157,944	0	0	0	0	165,444

**City of Loveland
Capital Improvement
Program**

300-45-300-0000-300-BF-Executive

REQUEST NAME

WA - Namaqua Hills Pump Station

REQUEST CODE

CIP-300-45-300-0000-19-180

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT NAME

Namaqua Hills Pump Station

PROJECT PRIORITY #

1

PROJECT #

W1911C

PROJECT AREA

All Projects

PROJECT DESCRIPTION / NECESSITY



Currently there is a pump station that feeds the upper loop of homes in the Namaqua Hills Subdivision. The pump station was built in 1962 and the components have reached the end of their useful life. The pumps, piping, and SCADA equipment is to be replaced to ensure reliable service to customers.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	10,000	50,040	0	0	0	0	60,040
Construction	0	625,500	0	0	0	0	625,500
1% for the Arts	0	6,255	0	0	0	0	6,255
Total	10,000	681,795	0	0	0	0	691,795

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Water Fund Balance	10,000	681,795	0	0	0	0	691,795
Total	10,000	681,795	0	0	0	0	691,795

**City of Loveland
Capital Improvement
Program**

300-45-300-0000-300-BF-Executive

REQUEST NAME

WA - New Water Lines

REQUEST CODE

CIP-300-45-300-0000-19-176

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



Please see next page for Description.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	0	369,520	539,310	344,900	1,191,250	2,444,980
Construction	0	0	326,040	3,059,090	2,716,640	7,048,590	13,150,360
1% for the Arts	0	0	0	27,192	20,080	63,098	110,370
Total	0	0	695,560	3,625,592	3,081,620	8,302,938	15,705,710

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Water Fund Balance	0	0	63,470	646,261	437,733	1,704,150	2,851,615
Water SIF Fund Balance	0	0	632,090	2,979,331	2,643,887	6,598,788	12,854,095
Total	0	0	695,560	3,625,592	3,081,620	8,302,938	15,705,710

**City of Loveland
Capital Improvement
Program**

Description

16" P8 Extension - \$2,478,130

The City's water system is comprised on numerous pressure zones. All water infrastructure east of Boyd Lake Avenue and north of East Eisenhower is in the PW water (pressure) Zone. There are currently two feeds (from the gravity pressure zone) into the zone in Boyd Lake Avenue. The water master plan calls for a third connection to the P8 zone crossing East Eisenhower at Rocky Mountain Ave. This project extends the required 16" waterline, along the south side of East Eisenhower, as development occurs along adjacent properties.

East Gravity Zone 24" - \$12,540,572

Installation of a 24" water main loop around the southeast portion of the City to meet increasing demands as a result of development. The proposed water main loop is 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.

16" in Granite (57th Street to 50th Street) - \$687,008

Install a 16" water line in Granite Street between 57th Street and 50th Street. The 16" 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.

**City of Loveland
Capital Improvement
Program**

300-45-300-0000-300-BF-Executive

REQUEST NAME

WA - Oversizing & Extensions

REQUEST CODE

CIP-300-45-300-0000-19-182

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT NAME

MISC OVERSIZING AND EXTENSIONS

PROJECT PRIORITY #

1

PROJECT #

W1207D

PROJECT AREA

NA

PROJECT DESCRIPTION / NECESSITY



As development occurs the City through a reimbursement agreement funds capacity being built for master plan needs, that is in excess of what is specifically required for an individual development.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Construction	75,000	78,190	81,510	84,970	88,590	502,710	910,970
Total	75,000	78,190	81,510	84,970	88,590	502,710	910,970

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Water SIF Fund Balance	75,000	78,190	81,510	84,970	88,590	502,710	910,970
Total	75,000	78,190	81,510	84,970	88,590	502,710	910,970

**City of Loveland
Capital Improvement
Program**

300-45-300-0000-300-BF-Executive

REQUEST NAME

WA - Pump Stations & Water Tanks

REQUEST CODE

CIP-300-45-300-0000-19-181

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



Please see next page for Description.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	0	0	56,650	177,170	2,750,230	2,984,050
Construction	0	0	0	0	0	10,427,990	10,427,990
1% for the Arts	0	0	0	0	0	104,280	104,280
Total	0	0	0	56,650	177,170	13,282,500	13,516,320

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Water Fund Balance	0	0	0	56,650	88,585	3,358,822	3,504,057
Water SIF Fund Balance	0	0	0	0	88,585	9,923,678	10,012,263
Total	0	0	0	56,650	177,170	13,282,500	13,516,320

**City of Loveland
Capital Improvement
Program**

Description

Morning Drive Pump Station - \$2,284,010

The Morning Drive Pump Station was constructed in 1976. The station delivers water to the 29th Street storage tank, which serves over a quarter of the City's customers. This project will upgrade the Morning Drive Pump Station (pumps, piping, valves, controls, Motor Control Center (MCC) etc.).

Equipment is aging and the pump station will require an upgrade to re-size facilities to meet the needs of the City's growing system. Existing MCCs are over 30 years old and are becoming obsolete. If there is a MCC failure, we will have to try and find parts and pay a premium for them. The MCCs are critical to the pumps at Morning Drive running and supplying water to the 29th Street tank

Southwest Booster Station - \$290,880

Build a water pump station at a to-be-determined location within the southwest portion of the City. To meet the increasing water demands and meet minimum pressure requirements within the City, a water pump station will be necessary. The water pump station will help move water to the east side of the City.

3.5 Million Gallon Storage Tank at 43rd Street (Tank #2) - \$707,420

Build a second tank at the 43rd Street site. 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.

2.0 Million Gallon Storage Tank at Dakota Ridge - \$10,234,010

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

**City of Loveland
Capital Improvement
Program**

300-45-300-0000-300-BF-Executive

REQUEST NAME

WA - Right of Way Relocates

REQUEST CODE

CIP-300-45-300-0000-19-171

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT NAME

Right of Way Relocates

PROJECT PRIORITY #

1

PROJECT #

W1902C

PROJECT AREA

All Projects

PROJECT DESCRIPTION / NECESSITY



These funds are budgeted for 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).

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Construction	75,000	78,190	81,510	84,970	88,590	502,710	910,970
Total	75,000	78,190	81,510	84,970	88,590	502,710	910,970

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Water Fund Balance	75,000	78,190	81,510	84,970	88,590	502,710	910,970
Total	75,000	78,190	81,510	84,970	88,590	502,710	910,970

**City of Loveland
Capital Improvement
Program**

300-45-300-0000-300-BF-Executive

REQUEST NAME

WA - Waterline Replacement

REQUEST CODE

CIP-300-45-300-0000-19-172

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT NAME

Waterline Replacement

PROJECT PRIORITY #

1

PROJECT #

W1903C

PROJECT AREA

All Projects

PROJECT DESCRIPTION / NECESSITY



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.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	112,000	233,520	339,080	396,550	354,340	2,366,640	3,802,130
Construction	0	1,459,500	1,521,530	2,832,490	2,952,870	16,756,950	25,523,340
1% for the Arts	0	14,595	15,215	28,325	29,529	167,570	255,234
Total	112,000	1,707,615	1,875,825	3,257,365	3,336,739	19,291,160	29,580,704

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Water Fund Balance	112,000	1,707,615	1,875,825	3,257,365	3,336,739	19,291,160	29,580,704
Total	112,000	1,707,615	1,875,825	3,257,365	3,336,739	19,291,160	29,580,704

**City of Loveland
Capital Improvement
Program**

300-45-300-0000-300-BF-Executive

REQUEST NAME

WA - Water Main Replacement Projects

REQUEST CODE

CIP-300-45-300-0000-19-173

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



Please see next page for Description.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	33,360	52,170	0	0	852,800	938,330
Construction	0	0	652,080	0	0	5,440,930	6,093,010
1% for the Arts	0	0	6,521	0	0	54,409	60,930
Total	0	33,360	710,771	0	0	6,348,139	7,092,270

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Water Fund Balance	0	33,360	710,771	0	0	6,348,139	7,092,270
Total	0	33,360	710,771	0	0	6,348,139	7,092,270

**City of Loveland
Capital Improvement
Program**

Description

24" & 48" Cathodic Protection - \$507,207 Metallic pipe materials are susceptible to corrosion in the right environment. This project includes installing anodes on both transmission mains as a source metal (as opposed to the pipe) for any corrosion cell that may form along the pipeline. These anodes are typically magnesium, which is more active (has a higher negative potential) than the protected pipe. The existing waterlines have little or no anode protection left based on field readings. Therefore, corrosion is and will continue on the mains.

34" Water Line Valve Insertions - \$236,924 Study and implementation of improvements, primarily the insertion of butterfly valves, for isolation, of the 34" steel waterline that runs along the Arkin's Branch railroad. Additional assessment of the pipe's condition and possible cathodic protection improvements. The existing 34" steel waterline, installed in 1962, has no isolation valves from Namaqua Avenue to N. Colorado Avenue (~10,000 ft). 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.

36" Transmission Line Relining - \$6,348,139 The City's existing 36" steel water transmission main was constructed in 1962 and is showing signs of significant deterioration from external corrosion. Staff has made numerous repairs and pipe river crossing replacements completed in 2015 have shown significant external corrosion where the pipe was laid on bedrock and backfilled with native cobbles. In 2016 significant leakage out of the pipe due to corrosion holes was verified through the use of a free swimming inspection tool. Lining of the deteriorating 36" steel waterline will reduce risk of catastrophic failure, decrease repairs, reduce water loss, and extend the assets useful life for decades to come.

**City of Loveland
Capital Improvement
Program**

300-45-300-0000-300-BF-Executive

REQUEST NAME
WA - Water Meters

REQUEST CODE
CIP-300-45-300-0000-19-207

REQUEST TYPE
Capital Improvement Program

Start Date
1/1/2019

PROJECT NAME
WATER METERS

PROJECT PRIORITY #
1

PROJECT #
WA900

PROJECT AREA
NA

PROJECT DESCRIPTION / NECESSITY



These funds are budgeted for Water Meters for new construction and for replacement of old meters.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Construction	198,000	206,420	215,180	224,330	233,870	1,327,150	2,404,950
Total	198,000	206,420	215,180	224,330	233,870	1,327,150	2,404,950

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Water Fund Balance	198,000	206,420	215,180	224,330	233,870	1,327,150	2,404,950
Total	198,000	206,420	215,180	224,330	233,870	1,327,150	2,404,950

**City of Loveland
Capital Improvement
Program**

300-45-300-0000-300-BF-Executive

REQUEST NAME

WA - Water Treatment Plant Expansion Projects

REQUEST CODE

CIP-300-45-300-0000-19-210

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



Sedimentation #2 Sludge Collection Rehabilitation - \$1,048,485
Replace the components of the #2 Sedimentation Sludge Collection Station.

Water Treatment Plant Expansion Phase 3 (38 to 46 million gallons per day) - \$290,880
This project will be driven by growth so the timing is not known at this time. The project will include increasing plant capacity from 38 MGD to 46 MGD. The primary improvements necessary for this re-rating will be the addition of a new Flocculation/Sedimentation Building, eight additional filters added on to Filter Building 4A, and additional solids handling capacity (sand beds or ponds).

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	83,400	86,940	0	0	290,880	461,220
Construction	0	0	869,450	0	0	0	869,450
1% for the Arts	0	0	8,695	0	0	0	8,695
Total	0	83,400	965,085	0	0	290,880	1,339,365

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Water Fund Balance	0	83,400	965,085	0	0	58,176	1,106,661
Water SIF Fund Balance	0	0	0	0	0	232,704	232,704
Total	0	83,400	965,085	0	0	290,880	1,339,365

**City of Loveland
Capital Improvement
Program**

300-45-300-0000-300-BF-Executive

REQUEST NAME

WA - Water Treatment Plant Improvements

REQUEST CODE

CIP-300-45-300-0000-19-211

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT DESCRIPTION / NECESSITY



Admin/Office Renovation - \$742,457

This project includes a major renovation of the existing Water Treatment Plant administration building, which was originally built in 1980, and portions of the former chemical building (which is adjacent). The improvements will include new office space, a conference/training room, new break room, new restrooms, and other miscellaneous improvements.

Pre-Soda Ash System Rehab - \$413,423

With the recent WTP expansion project a new chemical building and chemical feed system were put into

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	0	0	0	84,970	87,410	61,570	233,950
Construction	0	0	0	226,600	767,740	615,670	1,610,010
1% for the Arts	0	0	0	2,266	7,677	6,157	16,100
Total	0	0	0	313,836	862,827	683,397	1,860,060

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Water Fund Balance	0	0	0	313,836	862,827	683,397	1,860,060
Total	0	0	0	313,836	862,827	683,397	1,860,060

**City of Loveland
Capital Improvement
Program**

300-45-300-0000-300-BF-Executive

REQUEST NAME

WA - Water Treatment Plant Residual Storage Pad

REQUEST CODE

CIP-300-45-300-0000-19-209

REQUEST TYPE

Capital Improvement Program

Start Date

1/1/2019

PROJECT NAME

WTP Residual Storage Pad

PROJECT PRIORITY #

1

PROJECT #

W1905C

PROJECT AREA

All Projects

PROJECT DESCRIPTION / NECESSITY



As water is treated at the Water Treatment Plant (WTP) residuals are generated through the process. These are solids that come off of the filters or are suspended in the water and removed through the use of coagulants to in the sedimentation process. The storage pad will allow the treatment plant to store residuals longer where they can be dried and then properly disposed of.

Capital Items

	2019	2020	2021	2022	2023	2024-2028	Total
Engineering	15,000	31,720	0	0	0	0	46,720
Construction	0	0	130,420	0	0	0	130,420
1% for the Arts	0	0	1,304	0	0	0	1,304
Total	15,000	31,720	131,724	0	0	0	178,444

Funding Sources

	2019	2020	2021	2022	2023	2024-2028	Total
Water Fund Balance	15,000	31,720	131,724	0	0	0	178,444
Total	15,000	31,720	131,724	0	0	0	178,444