



Completed by: Les Major
 Department Head Review: Anne Beierle

Responsible Department: Public Works
 Fund: Wastewater Fund #2

Project Name:	Utility Line Replacement - Wastewater				
Brief Description:	Replacement and rehabilitation of aging wastewater collection system				
Funding Source	Existing Grant Funds Identified for Project	Potential Grant Funds Identified	Funds Identified From Capital Project Fund	Funds Identified From Other Fund (Name)	No Identified Funding
New/Additional Revenue Generated	Significant Ongoing Revenue Source	Small Ongoing Revenue Source	One-Time Revenue Generated	No New/Additional Revenue Generated	
Legally Mandated	Court Decision	Regulatory Requirement	Pending Legal Action	Potential Legal Action	Normal Liability
Public Health & Safety	Existing Severe Hazard	Existing Minor Hazard	Potential Severe Hazard	Potential Minor Hazard	No Health or Safety Issue
Operating Budget Impact	Decreases Operating and/or Personnel Costs	Minimal or No Impact on Operating and/or Personnel Costs	Slight Increase to Operating and/or Personnel Costs	Significant Increase to Operating and/or Personnel Costs	
Environment and Sustainability	Enhances Environment and/or Sustainability	Benefits Environment and/or Sustainability	No Environmental Impact	Minor or Negative Environmental Impact	Diminishes Environment
% Of Population Served	100% of Population Served by Project	Majority of Population Served	Approximately 50% of Population Served	Less than 50% of the Population Served	
Preservation of Facility	Loss of Facility Imminent without Project Completion	Additional Damage Likely without Project Completion	Project Constitutes Normal Major Maintenance	Project Constitutes Normal Minor Maintenance	New Facility/ Safety Issue
Project Useful Life	20+ Years With Little/No Maintenance	20+ Years With Normal Maintenance	10-20 Years With Normal Maintenance	5-9 Years with Normal Maintenance	1-4 Years with Normal Maintenance
Conformity to Strategic Plans & Department Goals	Critical to accomplishing Established Plans / Goals	Assists in Accomplishing Established Plans / Goals	Will Not Assist or Will Hinder Accomplishing Plans / Goals	Recommended by City Council	Recommended by Staff
Recreational or Aesthetic Value	Major Value	Moderate value	No Value	Possibly Detrimental	
Estimated Frequency of Use	Every Day	Several Times per Week	Several Times per Month	Once per Month or Less	

Vision 2030 Guiding Principles Priority - (Choose One Best Fit)

☒ (A) Safe and Reliable Public Infrastructure ☐ (B) Economic Vitality and Community Amenities that Improve Quality of Life ☐ (C) Public Safety ☐ (D) Other

Category of Capital Expenditures - (Choose One Best Fit)

☐ Land Improvement ☐ Building Improvement ☐ Equipment ☐ Vehicle ☐ Technology ☒ Infrastructure

Financial Impact - Expenses

	Life-To-Date*	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Project Costs		464,000	475,000	488,000	500,000	512,000	524,000	537,000	548,000	560,000	573,000	5,181,000
On-Going Maintenance												-
Total Project Costs	-	464,000	475,000	488,000	500,000	512,000	524,000	537,000	548,000	560,000	573,000	5,181,000

*Life-to-date includes any actual expenditures from start of project through July 2021 and estimates for the remainder of FY 2021

Basis for Project Cost Estimate

☐ Formal Proposal ☐ Contractor/Engineer Estimate ☐ State Purchasing Co-Op ☐ Staff Estimate

Financial Impact - Revenues

	Life-To-Date*	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Revenue Estimate												-

*Life-to-date includes any actual revenue generated from start of project through July 2021 and estimates for the remainder of FY 2021

Project Name:	Utility Line Replacement - Wastewater
Please provide details for the following: 1. Project Description 2. Justification 3. Measure of Success 4. Description of Revenue Generated (if applicable)	The City of Golden owns and maintains 78.67 miles of sanitary sewer mains. The expected lifespan of these pipes is approximately 75 years. In order to maintain the current system, approximately one mile of sewer main should be replaced each year. The cost estimate has been calculated based on replacing one mile of sewer at current contract unit costs and is a combination of both open trench replacement and cured in place plastic (CIPP). Replacement method is selected based on a variety of factors including size, condition, capacity, and the number of service connections. Sewer main replacements are prioritized by pipe age, video inspection, increased maintenance, repair costs and ROW costs associated with the street replacement project. A reliable wastewater collection system is expected by the residents of Golden and this type of project ensures that. This project will not change ongoing maintenance costs for the collection system overall, but deferred investment would result in increases to maintenance.
Strategic Action Plan Success Factor(s):	Quality Services
Describe how this project connects to and supports Strategic Action Plan success factor(s) identified above.	The utility line replacement program assures that we have a reliable wastewater collection system and can provide quality public service of wastewater collection.
List any obstacles for implementation	

Finance Use Only

	Date
Received by Finance Department	
Reviewed by City Manager:	



Completed by: Les Major
 Department Head Review: Anne Beierle

Responsible Department: Public Works
 Fund: Wastewater Fund #4

Project Name:	Equipment Upgrade for Sanitary Sewer Video System				
Brief Description:	Replace major components of the sanitary sewer video system				
Funding Source	Existing Grant Funds Identified for Project	Potential Grant Funds Identified	Funds Identified From Capital Project Fund	Funds Identified From Other Fund (Name)	No Identified Funding
New/Additional Revenue Generated	Significant Ongoing Revenue Source	Small Ongoing Revenue Source	One-Time Revenue Generated	No New/Additional Revenue Generated	
Legally Mandated	Court Decision	Regulatory Requirement	Pending Legal Action	Potential Legal Action	Normal Liability
Public Health & Safety	Existing Severe Hazard	Existing Minor Hazard	Potential Severe Hazard	Potential Minor Hazard	No Health or Safety Issue
Operating Budget Impact	Decreases Operating and/or Personnel Costs	Minimal or No Impact on Operating and/or Personnel Costs	Slight Increase to Operating and/or Personnel Costs	Significant Increase to Operating and/or Personnel Costs	
Environment and Sustainability	Enhances Environment and/or Sustainability	Benefits Environment and/or Sustainability	No Environmental Impact	Minor or Negative Environmental Impact	Diminishes Environment
% Of Population Served	100% of Population Served by Project	Majority of Population Served	Approximately 50% of Population Served	Less than 50% of the Population Served	
Preservation of Facility	Loss of Facility Imminent without Project Completion	Additional Damage Likely without Project Completion	Project Constitutes Normal Major Maintenance	Project Constitutes Normal Minor Maintenance	New Facility/ Safety Issue
Project Useful Life	20+ Years With Little/No Maintenance	20+ Years With Normal Maintenance	10-20 Years With Normal Maintenance	5-9 Years with Normal Maintenance	1-4 Years with Normal Maintenance
Conformity to Strategic Plans & Department Goals	Critical to accomplishing Established Plans / Goals	Assists in Accomplishing Established Plans / Goals	Will Not Assist or Will Hinder Accomplishing Plans / Goals	Recommended by City Council	Recommended by Staff
Recreational or Aesthetic Value	Major Value	Moderate value	No Value	Possibly Detrimental	
Estimated Frequency of Use	Every Day	Several Times per Week	Several Times per Month	Once per Month or Less	

Vision 2030 Guiding Principles Priority - (Choose One Best Fit)

☐ (A) Safe and Reliable Public Infrastructure ☐ (B) Economic Vitality and Community Amenities that Improve Quality of Life ☐ (C) Public Safety ☒ (D) Other

Category of Capital Expenditures - (Choose One Best Fit)

☐ Land Improvement ☐ Building Improvement ☒ Equipment ☐ Vehicle ☐ Technology ☐ Infrastructure

Financial Impact - Expenses

	Life-To-Date*	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Project Costs			50,000									50,000
On-Going Maintenance												-
Total Project Costs	-		50,000		-	-	-	-	-	-	-	50,000

*Life-to-date includes any actual expenditures from start of project through July 2021 and estimates for the remainder of FY 2021

Basis for Project Cost Estimate

☐ Formal Proposal ☐ Contractor/Engineer Estimate ☐ State Purchasing Co-Op ☒ Staff Estimate

Financial Impact - Revenues

	Life-To-Date*	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Revenue Estimate												-

*Life-to-date includes any actual revenue generated from start of project through July 2021 and estimates for the remainder of FY 2021

Project Name:	Equipment Upgrade for Sanitary Sewer Video System
Please provide details for the following: 1. Project Description 2. Justification 3. Measure of Success 4. Description of Revenue Generated (if applicable)	The City of Golden uses video inspection as an aid to prioritize sewer main replacement and rehabilitation. In conjunction with flow monitoring and known maintenance issues, video inspection provides valuable information on existing pipe condition. The current video system was purchased in 2012 and is showing its age. Heavy use by Utilities and Stormwater over the last several years has lead to minor failures and increased maintenance. This project will allow for replacement of the cable and cable reel along with updating the data entry pendant (laptop type device) and mechanical portions of the tractor. A reliable wastewater collection system is expected by the residents of Golden and this type of project ensures that. This project will not change ongoing maintenance costs for the collection system overall, but deferred. The replacement of the tractor/camera is planned for 2023, at that time the existing system will still have some trade in value and will decrease the cost of a new unit.
Strategic Action Plan Success Factor(s):	Quality Services
Describe how this project connects to and supports Strategic Action Plan success factor(s) identified above.	Video inspection of sanitary sewer mains allows the utility to prioritize replacement and rehabilitation to make the best use of the funds available. This helps the utility to be fiscally responsible while delivering quality public services to the community.
List any obstacles for implementation	

Finance Use Only

	Date
Received by Finance Department	
Reviewed by City Manager:	



Completed by: Anne Beierle
 Department Head Review: Dan Hartman

Responsible Department: Public Works
 Fund: Wastewater Fund #5

Project Name:	Treatment Plant Upgrades - Wastewater				
Brief Description:	Golden's contribution to upgrades or replacement of the domestic wastewater plant at Coors				
Funding Source	Existing Grant Funds Identified for Project	Potential Grant Funds Identified	Funds Identified From Capital Project Fund	Funds Identified From Other Fund (Name)	No Identified Funding
New/Additional Revenue Generated	Significant Ongoing Revenue Source	Small Ongoing Revenue Source	One-Time Revenue Generated	No New/Additional Revenue Generated	
Legally Mandated	Court Decision	Regulatory Requirement	Pending Legal Action	Potential Legal Action	Normal Liability
Public Health & Safety	Existing Severe Hazard	Existing Minor Hazard	Potential Severe Hazard	Potential Minor Hazard	No Health or Safety Issue
Operating Budget Impact	Decreases Operating and/or Personnel Costs	Minimal or No Impact on Operating and/or Personnel Costs	Slight Increase to Operating and/or Personnel Costs	Significant Increase to Operating and/or Personnel Costs	
Environment and Sustainability	Enhances Environment and/or Sustainability	Benefits Environment and/or Sustainability	No Environmental Impact	Minor or Negative Environmental Impact	Diminishes Environment
% Of Population Served	100% of Population Served by Project	Majority of Population Served	Approximately 50% of Population Served	Less than 50% of the Population Served	
Preservation of Facility	Loss of Facility Imminent without Project Completion	Additional Damage Likely without Project Completion	Project Constitutes Normal Major Maintenance	Project Constitutes Normal Minor Maintenance	New Facility/ Safety Issue
Project Useful Life	20+ Years With Little/No Maintenance	20+ Years With Normal Maintenance	10-20 Years With Normal Maintenance	5-9 Years with Normal Maintenance	1-4 Years with Normal Maintenance
Conformity to Strategic Plans & Department Goals	Critical to accomplishing Established Plans / Goals	Assists in Accomplishing Established Plans / Goals	Will Not Assist or Will Hinder Accomplishing Plans / Goals	Recommended by City Council	Recommended by Staff
Recreational or Aesthetic Value	Major Value	Moderate value	No Value	Possibly Detrimental	
Estimated Frequency of Use	Every Day	Several Times per Week	Several Times per Month	Once per Month or Less	

Vision 2030 Guiding Principles Priority - (Choose One Best Fit)

☒ (A) Safe and Reliable Public Infrastructure ☐ (B) Economic Vitality and Community Amenities that Improve Quality of Life ☐ (C) Public Safety ☐ (D) Other

Category of Capital Expenditures - (Choose One Best Fit)

☐ Land Improvement ☐ Building Improvement ☐ Equipment ☐ Vehicle ☐ Technology ☒ Infrastructure

Financial Impact - Expenses

	Life-To-Date*	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Project Costs		100,000				2,000,000	2,000,000	2,000,000				6,100,000
On-Going Maintenance												-
Total Project Costs	-	100,000	-	-	-	2,000,000	2,000,000	2,000,000		-	-	6,100,000

*Life-to-date includes any actual expenditures from start of project through July 2021 and estimates for the remainder of FY 2021

Basis for Project Cost Estimate

☐ Formal Proposal ☐ Contractor/Engineer Estimate ☐ State Purchasing Co-Op ☒ Staff Estimate

Financial Impact - Revenues

	Life-To-Date*	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Total
Revenue Estimate												-

*Life-to-date includes any actual revenue generated from start of project through July 2021 and estimates for the remainder of FY 2021

Project Name:	Treatment Plant Upgrades - Wastewater
Please provide details for the following: 1. Project Description 2. Justification 3. Measure of Success 4. Description of Revenue Generated (if applicable)	Domestic wastewater from Golden is treated under contract at a wastewater plant located on the Coors Brewery and operated by MillerCoors. The contract includes provisions requiring Golden's financial contribution for upgrades at the plant under limited circumstances, including changes to regulations that would require treatment changes. Golden has been placed on notice by Coors that they are evaluating potential upgrades that may qualify for reimbursement by Golden. MillerCoors has reached out to see if Golden would participate in the initial engineering for the improvements starting in late 2021 and through 2022. The funding in out years is a placeholder anticipating this possibility and has been scheduled based on compliance schedules that exist in the current MillerCoors discharge permit issued by the State and the amounts have no engineering basis at this time.
Strategic Action Plan Success Factor(s):	Active, Connected and Sustainable, Respected and Relational Governance and Quality Services
Describe how this project connects to and supports Strategic Action Plan success factor(s) identified above.	Active, Connected and Sustainable: upgrades to the wastewater treatment plant will improved air quality (odors) and water quality. Respected and Relational Governance: working proactively and collaboratively with MillerCoors on improvements will result in better transparency for the upgrades needed and their costs. It also provides an opportunity to strengthen the relationship we have with MillerCoors. Quality Services: this investment in critical infrastructure assures we can continue to provide quality services to the community.
List any obstacles for implementation	

Finance Use Only

	Date
Received by Finance Department	
Reviewed by City Manager:	