

Completed by:	Les Major
Department Head Review:	Anne Beierle

Responsible Department:	Public Works
Fund:	Wastewater Fund #2

Proje	ct Name:		Utility Line Replacement - Wastewater									
Brief Do	escription:			Replacement and rehabilitation of aging wastewater collection system								
Fundir	ng Source		Existing Gi Identified		Potential Grant Funds Funds Identified From Identified Capital Project Fund X		Funds Identified From Other Fund (Name)		No Identified Funding			
New/Additional	Revenue Ge	nerated	Significan Revenue		_	ing Revenue ırce	One-Time Gene		No New/Additional Revenue Generated X			
Legally	Mandated		Court D	ecision		Requirement	Pending Le	egal Action	Potential L	egal Action	Normal Liability	
Public Hea	alth & Safety	У	Existing Sev	ere Hazard	Existing Mi	nor Hazard	Potential Se	vere Hazard	Potential M	linor Hazard	No Health or	Safety Issue
Operating E	Budget Impa	ict	Decreases and/or Pers		Personr	No Impact on ag and/or nel Costs X	Slight Increase to Operating and/or Personnel Costs		Significant Increase to Operating and/or Personnel Costs			
Environment a	ınd Sustaina	bility	Enhances En and/or Sus			nvironment stainabilty		ental Impact		Negative ntal Impact	Diminishes Environment	
% Of Popu	lation Serve	d	100% of Popu by Pr	oject		Population ved	Approxima	tely 50% of on Served		50% of the on Served		
Preservati	on of Facilit	у	Loss of Facili without Comp	Project	without	amage Likely Project lletion	Project Constitutes Normal Major Maintenance X		Project Constitutes Normal Minor Maintenance		New Facility/ No Safety Issue	
20+ Years With Little/No Project Useful Life Maintenance			Mainte	0+ Years With Normal Maintenance Maintenance X		5-9 Years with Normal Maintenance		1-4 Years with Normal Maintenance				
Conformity to Strategic Plans & Department Goals Critical to accomplishi Established Plans / Go			Assists in Accomplishing Established Plans / Goals		Will Not Assist or Will Hinder Accomplishing Plans / Goals		Recommended by City Council		Recommened by Staff			
Recreational o	r Aesthetic \	Value	Major		Modera	te value		'alue K	Possibly D	Possibly Detrimental		
Estimated Fr	equency of	Use	Every		Several Time	es per Week	Several Times per Month Once per			Month or Less		
			Visio	2020 Guid	ing Principle	s Priority	Choose One	Bost Eit\				
х	(A) Safe and I Public Infr	Reliable rastructure		(B) Economic	Vitality and Cove Quality of	ommunity An		best rity	(C) Public Safety		(D) Other	
			Ca	tegory of Ca	nital Evnen	ditures - (Ch	oose One Be	st Fit)				
	Land		Building	tegory or ea	Equipment	antares (en	Vehicle	30110/	Technology	х	Infrastructure	
	Improvement		Improvement		qa.p						1	
					Financial Im	pact - Expe	ıses					
	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 act	tual expenditure	s from start of pr	oject through Jul	-								
	Formal Propo	osal			asis for Proj			State Purchasi	ng Co-Op		Staff Estimate	
	- ·										-	
	Life-To-				Financial Im	pact - Rever	nues					
Revenue Estimate	Date*	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total -
*Life-to-date includes any act	tual revenue gen	erated from star	t of project throu	gh July 2021 and	estimates for the	ne remainder of	FY 2021			•		

Project Name:	Utility Line Replacement - Wastewater						
	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 Stragetic 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							
	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

Proje	ct Name:		Equipment Upgrade for Sanitary Sewer Video System									
Brief D	escription:			Replace major components of the sanitary sewer video system								
Fundir	ng Source		Existing G	rant Funds for Project	Potential Grant Funds Funds Identified Funds Identified Capital Project Fu		oject Fund	Funds Identified From Other Fund (Name)		No Identified Funding		
New/Additional	Revenue Ge	nerated	_	t Ongoing e Source	_	ing Revenue urce		e Revenue erated	Revenue	Additional Generated X		
Legally	Mandated		Court D	ecision		Requirement X	Pending L	egal Action		egal Action	Normal	Liability
Public Hea	alth & Safety	у	Existing Sev	vere Hazard	Existing M	inor Hazard	Potential Se	evere Hazard	Potential Minor Hazard		No Health or	Safety Issue
Operating I	Budget Impa	act		Operating onnel Costs	Minimal or No Impact on Operating and/or Personnel Costs X		Slight Increase to Operating and/or Personnel Costs		Significant Increase to Operating and/or Personnel Costs			
Environment a	ınd Sustaina	bility	Enhances E and/or Sus			nvironment stainabilty	No Environmental Impact		Minor or Negative Environmental Impact		Diminishes Environment	
% Of Popu	lation Serve	d	1	oject (Ser	Population ved	Approxima	X Itely 50% of on Served	Population	50% of the on Served		
Preservati	on of Facilit	у	Loss of Facility Imminent without Project Completion		Additional Damage Likely without Project Completion		Project Constitutes Normal Major Maintenance X		Project Constitutes Normal Minor Maintenance		New Facility/ No Safety Issue	
Project	20+ Years With Little/N Project Useful Life Maintenance		-	20+ Years With Normal Maintenance		10-20 Years With Normal Maintenance		5-9 Years with Normal Maintenance X		1-4 Years with Normal Maintenance		
Toporormity to Strategic Plans & Department		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		ed by Staff	
Recreational o	Recreational or Aesthetic Value Major Value			Value	Modera	ite value		/alue X	Possibly D	etrimental		
Estimated Fr	equency of	Use	Every	/ Day	Several Times per Week X		Once per Month or Less					
			Visio	n 2030 Guid	ing Principle	s Priority -	Choose One	Rest Fit)				
	(A) Safe and I Public Infi	Reliable rastructure		(B) Economic		ommunity An			(C) Public Safety	х	(D) Other	
			Ca	tegory of Ca	nital Evnen	ditures - (Ch	oose One Be	ost Fit)				
	Land Improvemen	t	Building Improvement	х	Equipment		Vehicle		Technology		Infrastructure	
					Financial Im	pact - Expe	nses					
	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 act	tual expenditure	s from start of pr	oject through Ju									
	1			i		ect Cost Est		1		<u></u>	1	
	Formal Propo	osal		Contractor/E	ngineer Estima	ate		State Purchasi	ing Co-Op	х	Staff Estimate	2
					Financial Im	pact - Reve	nues					
	Life-To- Date*	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Revenue Estimate *Life-to-date includes any act	tual revenue gen	nerated from star	t of project throu	igh July 2021 and	l estimates for t	he 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 Stragetic 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	
	Pinance 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

Projec	ct Name:		Treatment Plant Upgrades - Wastewater									
Brief Do	escription:			Golden's contribution to upgrades or replacement of the domestic wastewater plant at Coors								
Fundir	ng Source		_	rant Funds for Project	Potential Grant Funds Funds Identified From Identified Capital Project Fund		Funds Identified From Other Fund (Name)		No Identified Funding			
New/Additional	Revenue Ge	nerated		t Ongoing e Source	_	ing Revenue ırce	One-Time Gene		Revenue	Additional Generated x		
Legally	Mandated		Court D	ecision		Requirement x	Pending Le	egal Action	Potential L	egal Action	Normal Liability	
Public Hea	alth & Safety	,	Existing Sev	vere Hazard	Existing M	nor Hazard	Potential Se	vere Hazard		linor Hazard	No Health or	Safety Issue
Operating E	Budget Impa	ct		Operating sonnel Costs	Operatir Personr	No Impact on ag and/or nel Costs x	_	e to Operating connel Costs	Significant Increase to Operating and/or Personnel Costs			
Environment a	ınd Sustaina	bility		nvironment stainability		nvironment stainabilty	No Environm	ental Impact		Negative ntal Impact	Diminishes Environment	
% Of Popu	lation Serve	d		llation Served roject x		Population ved		tely 50% of on Served		50% of the on Served		
Preservati	on of Facility	y	without	ity Imminent t Project lletion	without	amage Likely Project lletion	Project Constitutes Normal Major Maintenance		Project Constitutes Normal Minor Maintenance		New Facility/ No Safety Issue	
Project	Useful Life	20+ Years With Little/No Maintenance			20+ Years With Normal 10-20 Years With Normal Maintenance 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				complishing Plans / Goals	Hinder Accomplishing		Recommended by City Council		Recommened by Staff		
Recreational o	r Aesthetic \	/alue		Value	Moderate value No Value		Possibly Detrimental					
Estimated Fr	equency of l	Use		y Day x	Several Tim	es per Week	Several Times per Month		Once per Month or Less			
			Visio	n 2020 Guid	ing Dringinle	os Driority	Choose One	Post Fit\				
	(A) Safe and F	Paliable	VISIO	,					(C) Public		(D) Other	
х		astructure		(B) Economic that Impro	ove Quality of		ienities		Safety		[(D) Other	
			Ca	tegory of Ca	pital Expen	ditures - (Ch	oose One Be	st Fit)				
	Land Improvement		Building Improvemen	t .	Equipment		Vehicle		Technology	х	Infrastructure	
					Financial Im	pact - Expe	ıses					
	Life-To- Date*	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Project Costs	Dute	100,000	2023	2024	2023	2,000,000	2,000,000	2,000,000	2023	2030	2031	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 act	tual expenditure	s from start of pr	oject through Ju	ly 2021 and estin	nates for the ren	nainder of FY 202	21					
				В	asis for Proj	ect Cost Esti	mate					
	Formal Propo	sal		Contractor/E	ngineer Estim	ate		State Purchasi	ng Co-Op	х	Staff Estimate	•
					Financial I <u>m</u>	pact - Rever	nues					
	Life-To- Date*	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Total
Revenue Estimate *Life-to-date includes any act	tual revenue gen	erated from star	t of project thro	igh July 2021 and	l estimates for t	ne 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 ugrades that may qualify for reimbursment 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 Stragetic 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 transparancy 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:						