D	Prainage Facilities and Network (Program 897)
Executive Summary	The Drainage Facilities and Network program consists of self-supported investments in projects and annual maintenance programs to ensure the ongoing delivery of stormwater services in existing communities; extend services to new communities; and improve service in flood prone areas.
Program	Examples of major investments include:
Components	- Community Drainage Improvement program - Providence Drainage project
Other Contributing Services	None

Economic Resilience	Investment in stormwater infrastructure stimulates the economy by creating jobs in engineering, consulting, and construction.
Social Resilience	Investment in stormwater management improves drainage in communities and mitigates the risk of flooding.
Climate Resilience	Stormwater management limits the sediment going into the river, ensuring healthy rivers and riverbanks. This allows the quality of the rivers to be maintained for Calgarians and downstream users, as well as to preserve healthy fish and wildlife populations.

Service	Stormwater Management	Department	Infrastructure Services
Budget ID	TBD	Activity #	453429
Investment Category	Program	Wards	All Wards
Primary Alignment to	Climate Resilience	Primary Alignment to	Support the delivery of City of
Council's Foundation		Capital Infrastructure	Calgary services
		Investment Drivers	
Primary Alignment to	Modernizing government	Secondary Alignment	
Shared Strategic		to Shared Strategic	
Agenda		Agenda	

	Total	2023	2024	2025	2026	2027+	
Recommended						6	
Capital Funding (\$)	\$182,543,000	\$39,455,000	\$47,696,000	\$47,696,000	\$47,696,000	-	
Operating Impact of							
Capital (\$)	\$5,407,000	\$299,000	\$1,520,000	\$1,741,000	\$1,847,000	c	
Funding Status	Recommended						
<b>Funding Source(s)</b> Self-Supported Capital Reserves \$72,062 (thousand), Self-Supported Debt \$110,4		0,481					
Tunung Source(s)	(thousand)	(thousand)					

Economic Impacts of 2023-2026 Recommended	Gross Output \$	Gross Domestic Product \$	Income \$	Employment (Person-Years)
Funding	\$385,208,336	\$148,951,415	\$88,213,543	992
MUGS Classification	Maintenance	Upgrade	Growth	New Services
MUG5 Classification	16%	20%	19%	45%
Impact of this capital invest	No significant increa	ase or decrease in (	GHG emissions	
Magnitude of the increase of	N/A			
emissions				

V	Vastewater Collection Network (Program 895)
Executive	The Wastewater Collection program consists of self-supported investments required to maintain
Summary	the delivery of wastewater service in existing communities; extend services to new communities; and address annual capital maintenance needs.
Program	Examples of major investments include:
Components	- Trans Canada Sanitary Trunk
	- Nose Creek Sanitary Trunk
	- Penbrooke Sanitary Trunk Upgrade
Other Contributing Services	None

Economic	Investments in wastewater treatment and collection stimulates the economy by creating jobs in	
Resilience	engineering, consulting, and construction.	
Social Resilience	Investment in wastewater treatment and collection provides ongoing reliable services to	
Social Resilience	customers and minimizes service disruptions.	
Climate Resilience Reliable wastewater treatment provides the foundation to a healthy and green city; it en		
Climate Resilience	public health, reduced risk to property, and is essential to the health of rivers.	

Service	Wastewater Collection &	Department	Infrastructure Services
	Treatment		
Budget ID	TBD	Activity #	456129
Investment Category	Program	Wards	All Wards
Primary Alignment to	Climate Resilience	Primary Alignment to	Support the delivery of City of
Council's Foundation		Capital Infrastructure	Calgary services
		Investment Drivers	
Primary Alignment to	Modernizing government	Secondary Alignment	
Shared Strategic		to Shared Strategic	
Agenda		Agenda	

	Total	2023	2024	2025	2026	2027+	
Recommended							
Capital Funding (\$)	\$297,771,000	\$108,291,000	\$63,160,000	\$63,160,000	\$63,160,000		
Operating Impact of							
Capital (\$)	\$18,405,000	\$8,505,000	\$3,621,000	\$3,082,000	\$3,197,000		
Funding Status	Recommended						
Self-Supported Capital Reserve \$ 129,359 (thousand), Self-Supported De		orted Debt \$168	3,412				
Funding Source(s)	(thousand)						

Economic Impacts of 2023-2026 Recommended	Gross Output \$	Gross Domestic Product \$	Income \$	Employment (Person-Years)
Funding	\$628,366,311	\$242,975,144	\$143,897,245	1,618
MUGS Classification	Maintenance	Upgrade	Growth	New Services
MUG5 Classification	11%	0%	65%	24%
Impact of this capital invest	No significant increa	ase or decrease in C	GHG emissions	
Magnitude of the increase of	N/A			
emissions				

	Wastewater Treatment Plant (Program 894)
Executive	The Wastewater Treatment program consists of self-supported investments required for
Summary	treatment capacity expansions to accommodate population growth, and investments to address capital maintenance needs to continue to meet regulatory requirements.
Program	Examples of major investments include:
Components	<ul> <li>Fish Creek Wastewater Treatment Plant Upgrade</li> <li>Bonnybrook Wastewater Treatment Plant Expansion</li> <li>Bonnybrook Centrate/Supernatant Treatment</li> </ul>
Other Contributing Services	None

Economic	Investments in wastewater treatment and collection stimulates the economy by creating jobs in		
Resilience	engineering, consulting, and construction.		
Social Resilience	Investment in wastewater treatment and collection provides ongoing reliable services to customers and minimizes service disruptions.		
Climate Resilience	Reliable wastewater treatment provides the foundation to a healthy and green city; it ensures public health, reduced risk to property, and is essential to the health of rivers.		

Service	Wastewater Collection &	Department	Infrastructure Services
	Treatment		
Budget ID	TBD	Activity #	455739
Investment Category	Program	Wards	All Wards
Primary Alignment to	Climate Resilience	Primary Alignment to	Support the delivery of City of
Council's Foundation		Capital Infrastructure	Calgary services
		Investment Drivers	
Primary Alignment to	Modernizing government	Secondary Alignment	
Shared Strategic		to Shared Strategic	
Agenda		Agenda	

	Total	2023	2024	2025	2026	2027+			
Recommended									
Capital Funding (\$)	\$378,680,000	\$43,987,000	\$91,525,000	\$97,728,000	\$145,440,000				
Operating Impact of									
Capital (\$)	\$20,833,000	\$3,455,000	\$5,247,000	\$4,770,000	\$7,361,000				
Funding Status	Recommended	Recommended							
Funding Source(a)	Self-supported Capital Reserve \$154,078 (thousand), Self-supported Debt \$224,602								
Funding Source(s)	(thousand)								

Economic Impacts of 2023-2026 Recommended	Gross Output \$	Gross Domestic Product \$	Income \$	Employment (Person-Years)	
Funding	\$799,103,186	\$308,995,260	\$182,996,359	2,058	
MUGS Classification	Maintenance	Upgrade	Growth	New Services	
MOGS Classification	25%	45%	24%	6%	
Impact of this capital invest	tment on GHG emissions	Possible GHG reduction depending on design			
Magnitude of the increase of	N/A				
emissions					

Facilities	s, Equipment and Technology (Water) (Program 899)
Executive Summary	The Facilities, Equipment and Technology program consists of investments in technology and laboratory/field equipment required for the delivery of water, wastewater and stormwater services. These investments ensure that the Water Utility can meet regulatory compliance. This is done through extensive laboratory testing and technologies to manage and operate the assets necessary for delivering services to realize service efficiencies.
Program	Examples of major investments include:
Components	- Asset & Workflow Management software upgrade
	- Software/Hardware lifecycle and upgrades
	- Laboratory and Operational services equipment
Other Contributing Services	None

Economic	Investment in technology and equipment supports ongoing delivery of water, wastewater, and
Resilience	stormwater services, as well as realizing efficiencies in existing processes and procedures.
Social Resilience	Investment in technology and equipment allows for ongoing delivery of water, wastewater, and stormwater services, to improve overall customer experience and access to information.
Climate Resilience	Technology and equipment support the delivery of water, wastewater, and stormwater services to Calgarians and helps to maintain a healthy and green city. It ensures public health, protects the water source, and the health of the rivers.

Service	Water Treatment & Supply	Department	Infrastructure Services
Budget ID	TBD	Activity #	460989
Investment Category	Program	Wards	All Wards
Primary Alignment to	Climate Resilience	Primary Alignment to	Support the delivery of City of
Council's Foundation		Capital Infrastructure	Calgary services
		Investment Drivers	
Primary Alignment to	Modernizing government	Secondary Alignment	
Shared Strategic		to Shared Strategic	
Agenda		Agenda	

	Total	2023	2024	2025	2026	2027+		
Recommended								
Capital Funding (\$)	\$37,200,000	\$12,900,000	\$8,100,000	\$8,100,000	\$8,100,000			
Operating Impact of	6. is		č					
Capital (\$)	\$6,665,000	\$6,665,000 \$887,000 \$1,823,000 \$1,632,000 \$2,323,000						
Funding Status	Recommended							
Funding Source(s)	Self-supported	Capital Reserve	e \$37,200 (thous	sand)				

This request requires \$887 thousand base funding of operating costs starting in 2023, \$1,823 thousand base funding of operating costs starting in 2024, \$1,632 thousand base funding of operating costs starting in 2025, and \$2,323 thousand base funding of operating costs starting in 2026."

Economic Impacts of 2023-2026 Recommended	Gross Output \$	Gross Domestic Product \$	Income \$	Employment (Person-Years)	
Funding	\$78,500,683	\$30,354,451	\$17,976,826	202	
MUGS Classification	Maintenance	Upgrade	Growth	New Services	
	21%	2%	5%	72%	
Impact of this capital invest	ment on GHG emissions	Possible GHG reduction depending on design			
Magnitude of the increase of	N/A				
emissions					

	Water Distribution Network (Program 892)
Executive	The Water Distribution Network program consists of self-supported investments to maintain the
Summary	delivery of water service in existing communities; extend services to new Calgary communities; and address annual capital maintenance needs.
Program	Examples of major investments include:
Components	- North Calgary Water Servicing strategy
	- Water Meter replacement and strategy
	- Providence Starlight East Pump Station
Other Contributing Services	None

Economic	Investment in water treatment and distribution stimulates the economy by creating jobs in
Resilience	engineering, consulting, and construction.
Social Resilience	Investment in water treatment and distribution provides reliable high quality drinking water to
Social Resilience	customers and minimizes service disruptions.
Climate Resilience	Reliable water service provides the foundation to a healthy and green city. It ensures public
Climate Resilience	health, allows for fire protection, and the health of the rivers.

Service	Water Treatment & Supply	Department	Infrastructure Services
Budget ID	TBD	Activity #	460940
Investment Category	Program	Wards	All Wards
Primary Alignment to	Climate Resilience	Primary Alignment to	Support the delivery of City of
Council's Foundation		Capital Infrastructure	Calgary services
		Investment Drivers	
Primary Alignment to	Modernizing government	Secondary Alignment	
Shared Strategic		to Shared Strategic	
Agenda		Agenda	

	Total	2023	2024	2025	2026	2027+	
Recommended							
Capital Funding (\$)	\$285,627,000	\$32,081,000	\$65,662,000	\$93,942,000	\$93,942,000		
Operating Impact of							
Capital (\$)	\$14,801,000	\$1,638,000	\$2,894,000	\$4,237,000	\$6,032,000		
Funding Status	Recommended						
Funding Source(s)	Self-supported Capital Reserve \$163,468 (thousand), Self-supported Debt \$122,159						
<b>Funding Source(s)</b> (thousand)							

Economic Impacts of 2023-2026 Recommended	Gross Output \$	Gross Domestic Product \$	Income \$	Employment (Person-Years)
Funding	\$602,739,637	\$233,065,884	\$138,028,681	1,552
MUGS Classification	Maintenance	Upgrade	Growth	New Services
	35%	4%	39%	22%
Impact of this capital invest	Possible GHG reduction depending on design			
Magnitude of the increase of	N/A			
emissions				

Water Treatment Plant (Program 891)				
Executive Summary	The Water Treatment Plant program consists of self-supported investments in annual maintenance programs; projects focused on upgrades to pump stations; and plant capacity optimization to continue to provide quality drinking water to existing and new customers.			
Program Components	Examples of major investments include: - Glenmore Water Treatment Plant Electrical Master Plan - Fluoridation - Water Treatment Plant Optimization and Capacity Upgrade			
Other Contributing Services	None			

Economic	Investment in water treatment and distribution stimulates the economy by creating jobs in
Resilience	engineering, consulting, and construction.
Social Resilience	Investment in water treatment and distribution provides reliable high quality drinking water to customers and minimizes service disruptions.
Climate Resilience	Reliable water service provides the foundation to a healthy and green city. It ensures public health, allows for fire protection, and the health of the rivers.

Service	Water Treatment & Supply	Department	Infrastructure Services
Budget ID	TBD	Activity #	459259
Investment Category	Program	Wards	All Wards
Primary Alignment to	Climate Resilience	Primary Alignment to	Support the delivery of City of
Council's Foundation		Capital Infrastructure	Calgary services
		Investment Drivers	
Primary Alignment to	Modernizing government	Secondary Alignment	
Shared Strategic		to Shared Strategic	
Agenda		Agenda	

	Total	2023	2024	2025	2026	2027+
Recommended						
Capital Funding (\$)	\$131,083,000	\$17,378,000	\$41,349,000	\$36,178,000	\$36,178,000	
Operating Impact of						
Capital (\$)	\$6,665,000	\$887,000	\$1,823,000	\$1,632,000	\$2,323,000	
Funding Status	Recommended					
Funding Source(a)	Self-supported Capital Reserve \$90,767 (thousand), Self-supported Debt \$40,316					
Funding Source(s)	(thousand)					

Economic Impacts of 2023-2026 Recommended	Gross Output \$	Gross Domestic Product \$	Income \$	Employment (Person-Years)
Funding	\$276,615,725	\$106,961,090	\$63,345,600	712
MUGS Classification	Maintenance	Upgrade	Growth	New Services
	39%	3%	15%	43%
Impact of this capital invest	Possible GHG reduction depending on design			
Magnitude of the increase of	N/A			
emissions				