



2022 Budget Update

2020 – 2023 Multi-Year Budget Water and Waste Department

Photo: Tyler Walsh, courtesy Tourism Winnipeg

Standing Policy Committee on Water and Waste, Riverbank Management and Environment
December 6, 2021

Agenda

1. Service Description, Objectives and Performance Measurement
2. Budget Overview and Highlights
3. Operating Budget:
 - Changes
 - FTEs / Salaries and Benefits
 - Reserve Summary
 - Referrals
4. Capital Budget:
 - Summary
 - Key Projects
 - Changes
 - Referrals
 - Other Important Information
5. Questions



What We Do

Services Provided*

Services	Description
Water	Provide a safe and adequate supply of potable water through water supply, storage, treatment, pumping, distribution and metering.
Wastewater	Collection, transmission, disposal, treatment and monitoring of wastewater in order to ensure the environmentally appropriate handling of high volume sewage discharge.
Land Drainage Flood Control	Provide storm and flood water control in order to prevent flood damage to property.
Solid Waste Collection	Collection of garbage from single-family and multifamily homes.
Solid Waste Disposal	Operation and maintenance of the City's active and closed landfills
Recycling and Waste Diversion	Weekly collection and sorting of the recyclables and bi-weekly seasonal yard waste collection. Three 4R Winnipeg Depots which provide a one-stop location for recycling materials, divertible materials and the safe disposal of hazardous waste including paints, oil and electronics.

* 1. Source: Volume 1, OurWinnipeg, public documents

How We Did – Water

Performance Measurements*

Service Level Statistics

Description	2017	2018	2019	2020
Number of billed water accounts	208,008	210,490	212,403	214,356
Number of complaints - taste and odour [A]	205	157	133	142
Average daily volume of water pumped (ML/D)	189	195	197	193
Average volume of water pumped daily per capita (litres)	252	255	257	252
Kilometres of distribution water mains	2,660	2,679	2,689	2,692
Kilometres of feeder mains	152	152	152	152
Kilometres of water mains cleaned [B]	839	614	487	0
Number of water main breaks [C]	236	721	493	317
Number of hydrants	22,376	22,785	22,928	23,107
Number of water quality tests conducted [D]	66,734	65,895	63,952	46,271
Monthly residential water bill [E]	\$36.57	\$37.83	\$37.83	\$39.14
Number of reservoirs	4	4	4	4
Reservoir capacity (ML)	9,510	9,510	9,510	9,510
Number of Water Treatment Plants	1	1	1	1
Number of Water Treatment Plant tests conducted [F]	65,754	42,594	34,242	34,067

[A] Reflects complaints received through the City's 311 system.

[B] Technical and operational requirements influence areas flushed during the year.

[C] 2018 increase in watermain breaks due to dry weather and soil conditions.

[D] Based on annual consumption of 200 cubic meters.

[E] 2017 and 2018 restated to reflect change in consumption.

[F] 2017 statistic includes pilot testing of an alternative coagulant at the Water Treatment Plant.

* Source: Volume 1, OurWinnipeg, public documents

How We Did – Wastewater

Performance Measurements*

Service Level Statistics

Description	2017	2018	2019	2020
Number of billed sewer accounts	207,903	210,386	212,300	214,252
Number of complaints - raw sewer backup [A]	687	808	1,000	740
Number of complaints - clean sewer backup [A]	419	545	646	421
Volume of wastewater processed (ML/D)	252	225	281	236
Kilometres of collection system pipeline [B]	2,640	2,658	2,673	2,674
Number of pumping stations	75	75	75	75
Number of diversion chambers	14	14	14	14
Kilometres of sewer inspected and cleaned	124	139	157	160
Number of industrial waste tests conducted [C]	41,522	43,717	64,361	32,330
Number of treatment plant tests conducted	123,084	126,444	129,467	134,404
Number of manholes	48,175	48,620	49,009	49,421
Monthly residential sewer bill [D]	\$50.30	\$55.67	\$55.67	\$56.56

[A] Reflects total complaints received through the City's 311 system including both City and customer areas of responsibility.

[B] Includes sanitary, combined and interceptor sewers.

[C] Reduced monitoring for the pollution prevention and overstrength programs in 2020 due to COVID.

[D] Based on annual consumption of 200 cubic meters.

* Source: Volume 1, OurWinnipeg, public documents

How We Did – Land Drainage and Flood Control

Performance Measurements*

Service Level Statistics

Description	2017	2018	2019	2020
Number of stormwater retention basins (SRB)	92	102	101	105
Number of permanent flood pumping stations	31	31	31	31
Number of SRB pumping stations	5	5	5	5
Kilometres of land drainage sewer mains	1,218	1,243	1,260	1,263
Kilometres of storm relief sewer mains	188	184	183	184
Peak river elevations (>8.5 feet) - spring	19.31	15.67	18.33	18.95
Peak river elevations (>8.5 feet) - summer[A]	7.15	7.61	10.4	14.48
Meters of City owned riverbank protected annually [B]	70	150	0	0
Number of waterway permits issued	116	136	123	145

[A] Increased precipitation from west and south of Winnipeg resulted in an increase in flows on both the Assiniboine River and Red River in summer of 2020.

[B] 2019 and 2020 funding redirected to other Council approved projects.

* Source: Volume 1, OurWinnipeg, public documents

How We Did – Solid Waste Collection

Performance Measurements*

Service Level Statistics

Description	2017	2018	2019	2020
Number of dwelling units served	299,395	303,515	307,126	311,384
Weight of residential garbage collected (tonnes) [A]	172,209	172,041	174,050	194,570
Weight of garbage collected per capita (kilograms) [A]	230	225	228	254
Number of large item pick ups per year [A]	13,098	12,934	13,037	14,587

[A] The increase in 2020 is likely attributed to the COVID-19 pandemic.

* Source: Volume 1, OurWinnipeg, public documents

How We Did – Solid Waste Disposal

Performance Measurements*

Service Level Statistics

Description	2017	2018	2019	2020
Number of tonnes disposed [A]	355,326	332,564	319,100	344,946
Total number of non-commercial vehicles [A]	69,658	82,722	93,090	119,517
Total number of commercial and contractor vehicles	70,989	70,567	68,264	68,994
Kilolitres of leachate hauled and treated [B]	53,930	39,541	49,687	79,276
Tonnes of landfill gas (CO ₂ e) captured and flared	85,819	78,602	79,700	84,324

[A] The increase in 2020 is likely attributed to the COVID-19 pandemic.

[B] Kilolitres of leachate hauled and treated increased in 2020 due to the implementation of the centralized leachate collection system at the Brady Road Resource Management Facility.

* Source: Volume 1, OurWinnipeg, public documents

How We Did - Recycling and Waste Diversion – Pilot

Performance Measurements Pilot

Recycling services provided to residents include the weekly collection for single-family and some multi-family homes and sorting of the recyclables at the material recovery facility. Bales of commodities collected are sold and shipped at market prices. Public recycling community drop-off depots are also located throughout the City.

Waste diversion services include bi-weekly seasonal yard waste collection and the operation of a nine hectare composting pad located at the Brady Road Resource Management Facility. Additionally, there are three 4R Winnipeg Depot locations which provide residents a one-stop location for recycling materials, divertible materials and the safe disposal of hazardous waste including paints, oil and electronics.

Waste minimization services include an education program that supports backyard composting, grasscycling, giveaway weekends and other waste diversion initiatives.

Our Winnipeg:



Environmental
Resilience (ER)

How We Did - Recycling and Waste Diversion - Pilot

Performance Reporting

Service Goal / Measure Description	2018	2019	2020	2021 Target	2022 Target
 Advance Winnipeg's circular economy to support waste reduction.					
Number of dwelling units served	303,515	307,126	311,384	314,120	316,880
Average weight of residential recycling per capita (kg) [A]	68.6	66.6	66.5	66	66
Total yard waste composted (tonnes)	33,041	31,525	37,252	32,280	32,280
Total material collected at the 4R Winnipeg Depots (tonnes) [B]	9,821	11,624	16,677	10,720	10,810
Percentage of residential solid waste diverted from landfills (2019)	33.0%	31.9%	30.4%	31%	31%
Tonnes of residential solid waste diverted per household (2019)	0.31	0.30	0.29	0.30	0.30
 To collect and process a minimum of 52,000 tonnes of recyclable material.					
Weight of residential recycling material collected (tonnes)	52,553	50,856	51,011	51,460	52,000
 Improve and sustain performance of the waste reduction and diversion system.					
Citizen Satisfaction with Recycling	85%	83%	88%	84%	85%
Recycling Service Deficiencies per 10,000 Collections	1.40	0.70	0.70	0.70	0.70
Operating Cost for Solid Waste Diversion per Tonne - All Property Classes (2019)	\$ 350.47	\$ 367.75	\$ 350.67	\$ 380.00	\$ 387.60

Notes:

[A] 2020 reporting includes average weight of residential recycling per capita. Prior years restated from average weight of residential recycling per household for comparative purposes.

[B] The Brady 4R Winnipeg Depot opened February, 2016. The Pacific 4R Winnipeg Depot opened February, 2017. The Panet 4R Winnipeg Depot opened February, 2018. The increase in 2020 is likely attributed to the COVID-19 pandemic.

Budget Overview

Budget Overview

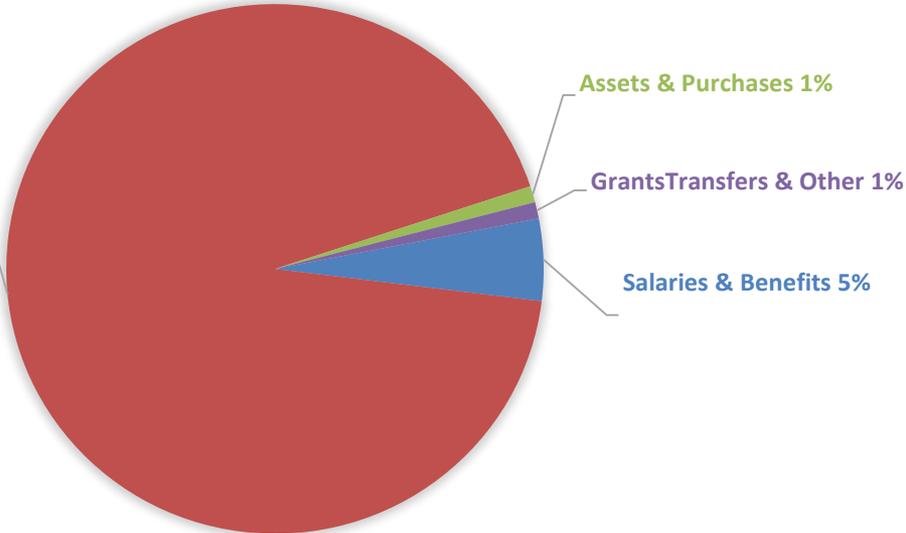
(Service Based View)

Preliminary 2022 Budget Update				
Service Based Budget (in millions of \$)	% Contribution to Service Based Budget	Operating Budget Surplus/ (Deficit)	Capital Budget	Reserves, Net Income (Revenue Less Expenditures)
Water	100.0	17.3	33.7	11.9
Wastewater	100.0	(50.0)	77.8	74.0
Land Drainage and Flood Control (1)	89.0	(0.4)	9.1	-
Solid Waste Collection	100.0	(21.2)	-	-
Solid Waste Disposal	100.0	0.2	6.2	(1.0)
Recycling and Waste Diversion	100.0	(1.1)	-	(1.3)
Total		(55.2)	126.8	83.6
Notes:				
1. Other contributing departments include: Planning, Property and Development (8% - \$0.27M; 3 FTE; \$0.3M Capital budget) and Public Works (3% - \$0.16M; 1 FTE).				

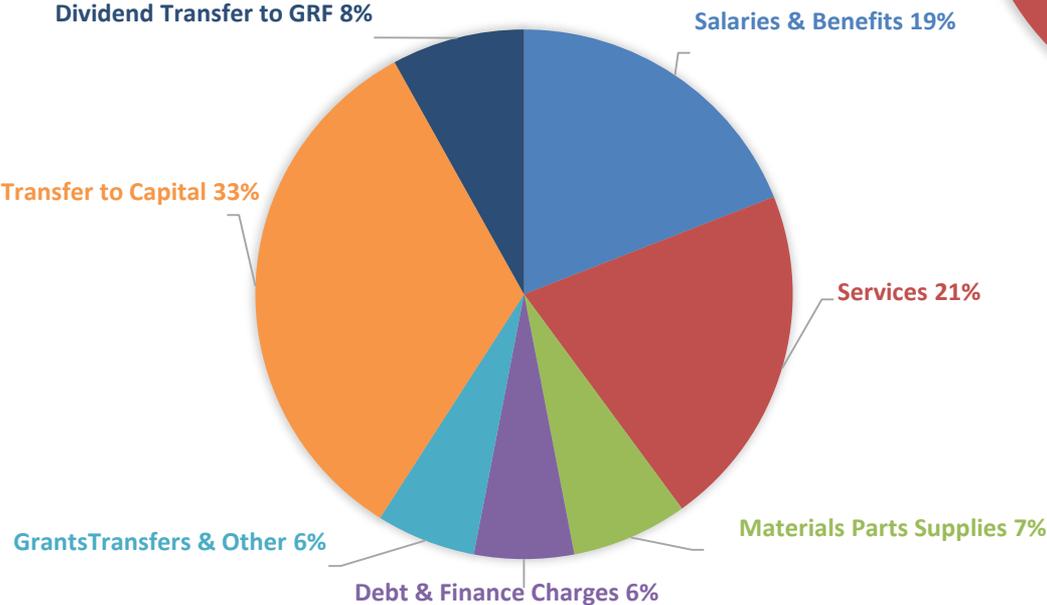
Budget Overview

(Departmental View)

2022 Preliminary Budget Expenditures Total Garbage Collection = \$22 million



2022 Preliminary Budget Expenditures Total Utilities = \$446 million



Operating Budget Highlights – Water and Waste Utilities

Annual Tax Supported Operating Increase ¹	Average ³
2022 Preliminary Budget	1.4%
Approved in the Multi-Year Budget ²	1.4%

Budget Impacts – Not Projected in MYB⁴, Included in Preliminary Budget

Increased transfer to environmental projects reserve	Increased water and sewer sales
Increased dividend transfer to general revenue fund	

Notes:

1. Based on expenditures before capital related expenditures
2. Adopted Multi-Year Budget (MYB) 2020 Budget and 2021 to 2023 Projections - March 20, 2020
3. Average expenditure increase for 2020 to 2023
4. Adopted Multi-Year Budget (MYB) 2020 & 2021 Budget, 2022 to 2023 Projections – December 16, 2020
5. Based on best case scenario, March 2021 economic update
6. Budgets / services impacted is not an exhaustive listing

Operating Budget Highlights – Garbage Collection

Annual Tax Supported Operating Increase ¹	Average ³
2022 Preliminary Budget	1.0%
Approved in the Multi-Year Budget ²	2.2%

Budget Impacts – Not Projected in MYB⁴, Included in Preliminary Budget

Reduction in collection contracts due to contractual price adjustments.

Notes:

1. Based on expenditures before capital related expenditures
2. Adopted Multi-Year Budget (MYB) 2020 Budget and 2021 to 2023 Projections - March 20, 2020
3. Average expenditure increase for 2020 to 2023
4. Adopted Multi-Year Budget (MYB) 2020 & 2021 Budget, 2022 to 2023 Projections – December 16, 2020
5. Based on best case scenario, March 2021 economic update
6. Budgets / services impacted is not an exhaustive listing

Operating Budget



Operating Budget Changes – Water and Waste Utilities

Operating Budget (In millions of \$)	MYB Criteria	2022	2023	2022 to
		Preliminary	Projection	2023 Total
Surplus/(Deficit) - Council Approved from 2021 Budget Process (a)		44.0	48.1	
<i>Increase (Decrease) From Forecast*:</i>				
<i>Revenue:</i>				
Increase in sewer sales	REV/COST	3.1	2.7	5.8
Increase water sales	REV/COST	2.2	2.2	4.4
Miscellaneous adjustments	HOUSEKEEP	0.1	0.1	0.2
Revenue Net Change (b)		5.4	5.0	10.4
<i>Expenditures:</i>				
Increase in transfer to environmental projects reserve	REV/COST	80.0	-	80.0
Increase/(decrease) in transfer to land drainage capital	REV/COST	2.0	(1.0)	1.0
Increase in dividend transfer	REV/COST	0.6	0.5	1.1
Increase in chemicals	LEG	0.4	1.6	2.0
Increase in salaries and benefits	INCRE	0.3	0.3	0.6
Increase in general revenue fund transfers	REV/COST	0.2	0.2	0.4
Increase in debt and finance	INCRE	-	0.3	0.3
Increased recoveries	HOUSEKEEP	(0.3)	(0.3)	(0.6)
(Decrease)/increase transfer to water meter renewal reserve	REV/COST	(0.1)	0.3	0.2
Decrease transfer to water main renewal reserve	HOUSEKEEP	-	(0.5)	(0.5)
Miscellaneous adjustments	HOUSEKEEP	(0.1)	0.1	(0.0)
Expenditures Net Change (c)		82.9	1.5	84.4
Surplus/(Deficit) - Preliminary Budget (a+b-c)		(33.5)	51.6	

Multi-year Budget (MYB) Criteria:

LEG - Legislative Changes

REV/COST - Revenue / cost driver

COUNCIL - Council Direction

INCRE - Incremental operational impact

HOUSEKEEP - Housekeeping / fine tuning adjustments

Operating Budget Changes – Garbage Collection

Operating Budget (In millions of \$)	MYB Criteria	2022 Preliminary	2023 Projection	2022 to 2023 Total
Mill Rate Support - Council Approved from 2021 Budget Process (a)		22.7	23.7	
<i>Increase (Decrease) From Forecast*:</i>				
<i>Revenue:</i>				
		-	-	-
Revenue Net Change (b)		-	-	-
<i>Expenditures:</i>				
Decrease in single family collection contracts	REV/COST	(0.9)	(0.4)	(1.3)
Decrease in multi family collection contracts	REV/COST	(0.6)	(0.5)	(1.1)
Expenditures Net Change (c)		(1.5)	(0.9)	(2.4)
Mill Rate Support - Preliminary Budget (a+b-c)		21.2	22.8	

* Includes housekeeping or fine tuning adjustments.

Multi-year Budget (MYB) Criteria:
 LEG - Legislative Changes
 REV/COST - Revenue / cost driver

COUNCIL - Council Direction
 INCRE - Incremental operational impact
 HOUSEKEEP - Housekeeping / fine tuning adjustments

Salary Budget and Full Time Equivalents (FTEs) / Vacancy Management

	2020 Adopted Budget	2021 Adopted Budget	2022 Preliminary	Increase / (Decrease) vs. 2021	2023 Budget Projection
Full Time Equivalents <i>(number of FTEs)</i>	977.63	973.96	972.63	(1.33)	973.13
Salaries & Benefits <i>(in millions of \$)</i>	\$ 82.4	\$ 83.4	\$ 84.9	\$ 1.5	\$ 86.9
Vacancy Management included in Salaries & Benefits <i>(in millions of \$)</i>	\$ (4.272)	\$ (4.472)	\$ (4.541)	\$ (0.069)	\$ (4.617)

Notes:

1. 2019 FTEs total = 977.28
2. 2022 FTEs decreased by 1.33 in comparison to 2021 primarily due to completion of term positions included in the budget.
3. 1 FTE is approximately equivalent to \$69,075 for vacancy management in the 2022 budget submission.
4. 1 temporary FTEs in the capital budget not included in operating budget estimated \$110,000.

Reserve Summary

Reserve Name	2022				Forecasted Ending Balance
	Beginning Balance	Revenue	Expense	Net (Revenue less Expenses)	
1 Landfill Rehabilitation Reserve	3,747	415	1,413	(998)	2,749
2 Water Main Renewal Reserve	9,482	19,535	18,425	1,110	10,592
3 Water Meter Renewal Reserve	12,597	10,804	51	10,753	23,350
4 Sewer System Rehabilitation Reserve	5,124	17,030	18,427	(1,397)	3,727
5 Environmental Projects Reserve	131,425	100,792	25,327	75,465	206,890
6 Waste Diversion Reserve	3,296	8	1,320	(1,312)	1,984
Total Reserves	165,671	148,584	64,963	83,621	249,292

Operating Budget Referrals

Water and Waste Department

2022 - 2023 Operating Budget Referrals

	Description	2022		2023		Budget Status
		FTEs	\$	FTEs	\$	
	Referrals to the Budget Process					
1	New Capital Project for Interim Chemical Phosphorous Removal for the North End Sewage Treatment Plant – Council February 25, 2021		-		1,650,000	✓
2	Financial Implications of the Multi-Materials Stewardship Manitoba and News Media Canada Funding Agreement for News Print In-Kind Advertising – Council September 29, 2021		-		-	X
3	Multi-Family Waste Diversion Fee – Council Oct 28, 2021		-		4,250,000	X
	Total Referrals to Date	-	-	-	5,900,000	

Included in the budget	✓
Not budgeted	X

Capital Budget

Capital Summary – By Fund

Service (\$000's)	2021 Adopted Budget	2022 Preliminary	2023 - 2027 Forecast	6-year Total
Land Drainage Utility Fund	4,410	8,800	22,285	31,085
Waterworks System Fund	33,020	33,715	254,900	288,615
Sewage Disposal System Fund	76,270	77,820	490,330	568,150
Solid Waste Disposal Fund	2,550	6,170	16,810	22,980
Total Preliminary Capital	116,250	126,505	784,325	910,830

Key Projects in the Capital Budget – Land Drainage Utility Fund

Project Name	Budget Year (s)	Amount (\$'000's)	Benefits to the Community
Outfall Rehabilitation	Annual	\$ 15,250	Flood protection
Flood Pumping Station Rehabilitation	Annual	\$ 6,000	Flood protection and basement flood mitigation
Land Drainage and Combined Sewers Outfall Gate Structures	2022, 2024	\$ 4,700	Flood protection
Stormwater Retention Basin Upgrades	2022, 2024, 2027	\$ 1,385	Land drainage
Development Agreement Paybacks	2022, 2025, 2027	\$ 2,800	Land drainage and wastewater collection

Capital Budget Changes - Land Drainage Utility Fund

Projects (\$000's)	MYB Criteria	2022 Preliminary	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2022 to 2026 Total	2027 Forecast	6-year Total
Council Approved Forecast		7,250	4,500	6,785	5,100	6,100	29,735		29,735
Increase / (Decrease) From Forecast:									
Stormwater Retention Basin Upgrades	HOUSEKEEP	300					300	600	900
Outfall Rehabilitation	HOUSEKEEP	(500)	(1,000)	(1,500)	(2,000)	(2,000)	(7,000)	3,200	(3,800)
Land Drainage and Combined Sewers Outfall Gate Structures	REV/COST	1,000		1,900			2,900		2,900
Floodplain Management	HOUSEKEEP	550					550		550
Development Agreement Paybacks	HOUSEKEEP	200		(1,700)	1,200	(1,000)	(1,300)	1,000	(300)
Various Projects								1,100	1,100
Total Changes		1,550	(1,000)	(1,300)	(800)	(3,000)	(4,550)	5,900	1,350
PRELIMINARY CAPITAL BUDGET		8,800	3,500	5,485	4,300	3,100	25,185	5,900	31,085

Variance from Forecast:

Stormwater Retention Basin Upgrades are to address a revised need for rehabilitation and for the development and design standards for Naturalized Stormwater Retention Basins.

Outfall Rehabilitation has been decreased pending condition assessments.

Land Drainage and Combined Sewers Outfall Gate Structures has been increased in 2022 and in 2024 to address revised needs.

Key Projects in the Capital Budget – Waterworks System Fund

Project Name	Budget Year (s)	Amount (\$'000's)	Benefits to the Community
Water Treatment Plant Programmable Logic Controllers Upgrade	2026, 2027	\$ 5,000	Water treatment
Shoal Lake Aqueduct Intake Facility Rehabilitation	2022, 2024-2027	\$ 7,300	Water supply
Water Treatment Plant Asset Refurbishment and Replacement Program	2024, 2025, 2027	\$ 17,200	Water treatment
Feeder Main Condition Assessment and Rehabilitation	2022-2026	\$ 9,000	Water supply
Water Main Renewals	Annual	\$ 121,500	Water supply
Shoal Lake Aqueduct Condition Assessment and Rehabilitation	2023-2027	\$ 7,900	Water supply
Water Meter Renewals	2025-2027	\$ 77,000	Water supply
Branch Aqueduct Condition Assessment and Rehabilitation	2022, 2023, 2025-2027	\$ 15,320	Water supply
Airport Area West Water and Sewer Servicing	2022	\$ 5,000	Water supply
Water and Wastewater Infrastructure Capacity Study	2022	\$ 3,000	Water supply

Capital Budget Changes - Waterworks System Fund

Projects (\$000's)	MYB Criteria	2022 Preliminary	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2022 to 2026 Total	2027 Forecast	6-year Total
Council Approved Forecast		27,510	35,265	27,365	44,315	51,870	186,325		186,325
Increase / (Decrease) From Forecast:									
Shoal Lake Aqueduct Condition Assessment and Rehabilitation	HOUSEKEEP	(2,000)	(530)	(1,150)	(2,300)	900	(5,080)	4,600	(480)
Shoal Lake Aqueduct Intake Facility Rehabilitation	HOUSEKEEP	(2,400)	(3,550)	1,200	2,800	(2,800)	(4,750)	1,000	(3,750)
Branch Aqueduct Condition Assessment and Rehabilitation	HOUSEKEEP	620	4,700		1,800	4,700	11,820	1,500	13,320
Water Treatment Plant Asset Refurbishment and Replacement Program	REV/COST	-	-	9,000	900	-	9,900	7,300	17,200
Water Meter Renewals	HOUSEKEEP	-	-	-	-	-	-	38,000	38,000
Water Main Renewals	HOUSEKEEP	-	-	-	-	-	-	22,250	22,250
Airport Area West Water and Sewer Servicing	REV/COST	5,000	-	-	-	-	5,000	-	5,000
Water and Wastewater Infrastructure Capacity Study	REV/COST	3,000	-	-	-	-	3,000	-	3,000
Various Projects	HOUSEKEEP	1,985	15	1,150	1,000	(850)	3,300	4,450	7,750
Total Changes		6,205	635	10,200	4,200	1,950	23,190	79,100	102,290
PRELIMINARY CAPITAL BUDGET		33,715	35,900	37,565	48,515	53,820	209,515	79,100	288,615

Variance from Forecast:

Shoal Lake Aqueduct Condition Assessment and Rehabilitation has been revised to reflect updated priorities. Some scope was moved to Branch Aqueduct Condition Assessment and Rehabilitation.

Shoal Lake Aqueduct Intake Facility Rehabilitation has been revised to defer work based on project priorities and available resources.

Branch Aqueduct Condition Assessment and Rehabilitation has been revised based on updated cost estimates and included scope from Shoal Lake Aqueduct Condition Assessment and Rehabilitation.

Water Treatment Plant Asset Refurbishment and Replacement Program has been revised to address concrete rehabilitation needs identified during condition assessment.

Airport Area West Water and Sewer Servicing has been accelerated to commence in 2022, conditional on funding of an additional \$20 million from each of the Federal and Provincial governments for the combined water and sewer infrastructure for Phase 1A work.

Water and Wastewater Infrastructure Capacity study is to support the Strategic Infrastructure Plan for the City.

Capital Budget Referrals – Waterworks System Fund

Referral Wording	SPC and Date	2022	2023	2024	2025	2026	2027
		(\$000's)					
<p>Water and Wastewater Infrastructure Capacity Study Complete Communities Direction Strategy 2.0 – By-Law 119/2020 File SP 2/2020, Council - June 24, 2021.</p> <p>That the Strategic Infrastructure Plan and cost be referred to the 2022 balanced budget update process.</p> <p>The Strategic Infrastructure Plan will be completed in phases:</p> <ul style="list-style-type: none"> Phase 1: Investigation of existing water and sewer capacity - \$3 million Phase 2: Identification of capacity to promoted infill and accommodate new communities Future Phases: Identification of city infrastructure to support trade and commerce <p>The estimated cost for Phase 2 and Future Phases referred to 2023 budget process.</p>	Council June 24, 2021	3,000	-	-	-	-	-

Key Projects in the Capital Budget – Sewage Disposal System Fund

Project Name	Budget Year (s)	Amount (\$000's)	Benefits to the Community
Asset Refurbishment and Replacement Program	Annual	\$ 29,000	Wastewater treatment
Combined Sewer Overflow and Basement Flood Management Strategy	Annual	\$ 240,000	Regulatory requirement and basement flood mitigation
Southwest Interceptor	2022, 2024-2027	\$ 95,350	Wastewater collection
Lift Stations Upgrading	Annual	\$ 35,000	Wastewater collection
Sewer Renewals	Annual	\$ 120,500	Wastewater collection
Process Control System Master Plan and Upgrade	2025, 2026	\$ 12,500	Wastewater treatment
Airport Area West Water and Sewer Servicing	2022	\$ 16,000	Wastewater collection

Capital Budget Changes – Sewage Disposal System Fund

Projects (\$000's)	MYB Criteria	2022 Preliminary	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2022 to 2026 Total	2027 Forecast	6-year Total
Council Approved Forecast		60,270	56,680	73,535	99,990	97,300	387,775		387,775
Increase / (Decrease) From Forecast:									
Asset Refurbishment and Replacement Program	HOUSEKEEP	2,000					2,000	5,000	7,000
Lift Stations Upgrading	HOUSEKEEP	(3,000)	3,000	-	-	-	-	6,000	6,000
Combined Sewer Overflow and Basement Flood Management Strategy	COUNCIL			15,000	15,000	15,000	45,000	47,000	92,000
Southwest Interceptor	REV/COST	350					350	35,000	35,350
Sewer Renewals	HOUSEKEEP	-	-	-	-	-	-	21,000	21,000
Airport Area West Water and Sewer Servicing	REV/COST	16,000	-	-	-	-	16,000	-	16,000
Various Projects	HOUSEKEEP	2,200	800	150	(625)		2,525	500	3,025
Total Changes		17,550	3,800	15,150	14,375	15,000	65,875	114,500	180,375
PRELIMINARY CAPITAL BUDGET		77,820	60,480	88,685	114,365	112,300	453,650	114,500	568,150

Variance from Forecast:

Asset Refurbishment and Replacement Program increased to address updated cost estimates and project priorities.

Combined Sewer Overflow and Basement Flood Management Strategy increase of 50% to expedite the Armstrong CSO district work.

Airport Area West Water and Sewer Servicing has been accelerated to commence in 2022, conditional on funding of an additional \$20 million from each of the Federal and Provincial governments for the combined water and sewer infrastructure for Phase 1A work.

Southwest Interceptor includes rebudget of \$350,000 in 2022 and funding in 2027 for future phases of construction.

Capital Budget Referrals – Sewage Disposal System Fund

Referral Wording	SPC and Date	2022	2023	2024	2025	2026	2027
		(\$000's)					
<p>Combined Sewer Overflow and Basement Flood Management Strategy Increase of 50% to the CSO budget to expedite the Armstrong CSO district work.</p>	Council April 29, 2021	-	-	15,000	15,000	15,000	15,000
<p>NEWPCC Upgrades: Biosolids Facilities AACE Class 3 Cost Estimates for Biosolids and Nutrient Removal Facilities Projects Given current market conditions, the Public Service be directed to review the AACE Class 3 cost estimates for Biosolids and Nutrient Removal facilities projects and refer any increases to the 2022 capital budget process.</p>	Council May 27, 2021	TBD					

Key Projects in the Capital Budget – Solid Waste Disposal Fund

Project Name	Budget Year (s)	Amount (\$000's)	Benefits to the Community
Brady Road Resource Management Facility - Cell Construction	2022, 2023, 2025-2027	\$ 6,850	Solid waste landfill
Brady Road Resource Management Facility - Landfill Gas Capture Expansion	2024, 2027	\$ 2,400	Solid waste landfill
Soil Fabrication for Landfill Cover	Annual	\$ 8,250	Solid waste landfill
Brady Road Resource Management Facility - Alternative Energy Project	2022	\$ 2,500	Process improvement
Brady Road Resource Management Facility - Drainage and Roadways	2022, 2027	\$ 1,380	Solid waste landfill

Capital Budget Changes - Solid Waste Disposal Fund

Projects (\$000's)	MYB Criteria	2022 Preliminary	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2022 to 2026 Total	2027 Forecast	6-year Total
Council Approved Forecast		4,900	3,350	1,850	1,400	3,900	15,400		15,400
Increase / (Decrease) From Forecast:									
Brady Road Resource Management Facility – Cell Construction	HOUSEKEEP	-	500	(500)	500	300	800	1,000	1,800
Brady Road Resource Management Facility – Drainage and Roadways	REV/COST	770	-	-	-	-	770	610	1,380
Brady Road Resource Management Facility – Landfill Gas Capture Expansion	REV/COST	-	-	1,000	-	-	1,000	1,400	2,400
Collections Management System	HOUSEKEEP	500	-	-	-	-	500	-	500
Soil Fabrication for Landfill Cover	HOUSEKEEP						-	1,500	1,500
Total Changes		1,270	500	500	500	300	3,070	4,510	7,580
PRELIMINARY CAPITAL BUDGET		6,170	3,850	2,350	1,900	4,200	18,470	4,510	22,980

Variance from Forecast:

Brady Road Resource Management Facility – Cell Construction was revised based on costs to construct new cells and to include geotechnical design work for a new area of the landfill.

Brady Road Resource Management Facility – Drainage and Roadways was revised to include paving Payette Road.

Brady Road Resource Management Facility – Landfill Gas Capture Expansion was revised to install new vertical wells in the finished landfill cells, which are expected to be at capacity in early 2024.

Collections Management rebudgeted \$500,000 into 2022.

Soil Fabrication for Landfill Cover has 2027 funding for ongoing fabrication needs.

Other Important Budget Information

Provincial and Federal Funding

- On July 23, 2021, the Federal and Provincial governments announced \$212.86M in Investment in Canada Infrastructure Program (ICIP) funding for the NEWPCC Upgrade Power Supply and Headworks project. \$116.11M in Federal and \$96.75M in Provincial funding.
- Application submitted to the Province and recently forwarded to the Federal government for approval for ICIP funding for the NEWPCC Biosolids Facilities. Maximum funding of \$368.3M of estimated \$552.7M project cost.
- To date, no provincial or federal funding has been secured for the NEWPCC Upgrade Nutrient Removal Facilities (estimated \$828M project cost).

