Agenda – Standing Policy Committee on Finance and Economic Development – April 17, 2026

REPORTS

Item No. 9 **South End Sewage Treatment Plant (SEWPCC) Upgrading and Expansion,**
Project ID: 2032002EL, 2032000207, and 203210002B,
Quarterly Project Status Report No. 45
For the Period Ended January 31, 2026

WINNIPEG PUBLIC SERVICE RECOMMENDATION:

1. That the financial status of the South End Sewage Treatment Plant (SEWPCC) Upgrading and Expansion, as contained in this report, be received as information.

ADMINISTRATIVE REPORT

Title: **South End Sewage Treatment Plant (SEWPCC) Upgrading and Expansion, Project ID: 2032002EL, 2032000207, and 203210002B, Quarterly Project Status Report No. 45 For the Period Ended January 31, 2026**

Critical Path: **Standing Policy Committee on Finance and Economic Development**

AUTHORIZATION

Author	Department Head	CFO	CAO
C.D. Wiebe, P. Eng., CAMP, Manager of Engineering Services	T. W. Shanks, M. Eng., P. Eng. Director, Water and Waste Department	T. Graham	J. Dunford

EXECUTIVE SUMMARY

Project On Schedule: Yes ☐ No ☑ **Project On Adopted Budget: Yes ☐ No ☑**

Percent of Schedule Complete: 145% **Percent of Adopted Budget Spent:** 108%

The updated Capital Budget for the South End Sewage Treatment Plant (SEWPCC) Upgrading and Expansion is $385.6 million. So far, $363.81 million has been spent. During this reporting period, $2.1 million was spent.

During this reporting period, the C4 Contractor focused on the following:

- The completion of the 30-day plant wide performance verification. The performance verification was completed on December 23, 2025, and review of results is underway.
- A commercial solution was reached for the performance issues related to the Fermented Sludge (FSL) Rotary Drum Thickeners (RDTs).
- Ongoing plantwide deficiency resolution.
- Ongoing automation works.

During this reporting period, no appeals were resolved and one new appeal was submitted. As of January 31, 2026, there were eight open appeals. The City and C4 Contractor continue to work together to resolve the appeals.

The C4 Contractor submitted a letter quantifying Covid-19 delay and cost impacts. External legal will review this matter.

System testing of the High-Rate Clarifier (HRC) has not been done. The water flow has been too low. The testing will be done when the flow is high enough.

The Advisory Committee has reviewed this report and recommends that the report be sent to the Standing Policy Committee on Finance and Economic Development.

RECOMMENDATIONS

That the financial status of the South End Sewage Treatment Plant (SEWPCC) Upgrading and Expansion, as contained in this report, be received as information.

REASON FOR THE REPORT

Major Capital Projects are required to report quarterly to the Standing Policy Committee on Finance and Economic Development. The threshold for reporting is reviewed at the beginning of each multi-year budget cycle and revised, if required, for Council consideration. For the 2024-2027 multi-year budget cycle Council approved that the threshold be maintained at $25 million. The Standing Policy Committee on Finance and Economic Development may also request reporting on any capital project.

IMPLICATIONS OF THE RECOMMENDATIONS

No implications.

HISTORY/DISCUSSION

See Appendix C – Key Project Events (History)

Construction (Update from last report)

RFP 682-2012 (Professional Consulting Services)

- The Consultant continues to provide professional consulting services.

Bid Opportunity 976-2016 (Contract C4 – Sitewide Mechanical, Electrical, Concrete and Site Works)

- The 30-day plant wide performance verification was completed on December 23, 2025. Review of results is underway.
- A commercial solution was reached for the performance issues related to the FSL RDTs.
- Plantwide deficiency resolution is ongoing.
- Automation works are ongoing.

- As of January 31, 2026, there are a total of eight open appeals with the C4 Contractor. During this reporting period, no appeals were resolved and one new appeal was submitted.

Bid Opportunity 873-2013 (Procurement of High-Rate Clarification Equipment)

- Although effluent quality targets are being met, performance guarantees with respect to chemical use and sand loss are not being achieved. Efforts are ongoing to resolve this issue.
- System testing of the HRC remains outstanding due to lower than required flows and will be conducted when the appropriate flows become available.

Litigation Support

Internal Legal Services have been engaged to assist in the development of an Alternative Dispute Resolution (ADR) process to resolve appeals in Contract C4.

- Budget from the closed external legal services assignment will be used to fund two internal Legal Support Services positions. These positions have been posted and are scheduled to close in February 2026.

Table 1 – Contracts

Contracts							
Bid Opportunity #	**Company Name**	**Description**	**Original Contract Award Value (GST & MRST extra as applicable)**	**Total Approved Over-Expenditures (Over-Expenditure amount only)**	**Date of Award**	**Date of Total Completion**	**Estimated % Complete**
682-2012	CH2M Hill Canada Ltd.	Professional Consulting Services for SEWPCC Upgrading and Expansion	$ 25,350,419.00	$ 38,833,179.17	4/29/2013		97%
871-2013	Veolia Water Technologies Canada Ltd.	Procurement of Free-Floating Media and Associated Appurtenances	$ 7,750,588.00	$ 2,908,545.56	12/11/2014		87%
873-2013	Veolia Water Technologies Canada Ltd.	Procurement of High Rate Clarification Equipment	$ 2,052,500.00	$ 113,085.08	7/10/2014		80%
976-2016[1]	NAC Constructors Ltd.	Contract 4 - Site wide Mechanical Electrical Concrete site works	$ 179,997,000.00	$ 7,500,000.00	10/4/2017		96%
	Completed contracts	N/A	$ 74,216,692.00	$ 634,018.01	11/7/2019		100%
		Total	**$ 289,367,199.00**	**$49,988,827.82**			
1 - Includes MRST							

Upcoming Procurements:

Description	Anticipated Award Date

Schedule (Update from last report)

The contractual date for Total Performance remains February 25, 2022.

In this reporting period, “Commissioning of All Project Components (Contract 4)” noted in Table 2 was completed.

The revised targeted completion date for “Construction of Remaining Works (Contract 4)” has been updated to Q1 2026 to reflect the current progress.

Table 2 – Milestones

	Deliverable	Original Targeted Completion Date	Revised Targeted Completion Date	Actual Completion Date	Estimated % Complete
1	Project Definition Report	2013Q4	2014Q2	2014Q2	100%
2	Preliminary Design Report	2014Q2	2014Q4	2014Q4	100%
3	Detailed Design	2014Q4	2017Q3	2017Q3	100%
4	Construction of Site Preperation and Piling (Contract 1)	2014Q2	2016Q1	2016Q1[2]	100%
5	Construction of High Rate Clarifier and Grit Removal Structural and Misc. Works (Contract 2)	2016Q3	2017Q1	2017Q1[2]	100%
6	Construction of Major Concrete Works (Contract 3)	2017Q4	2018Q3	2018Q3[2]	100%
7	Construction of Remaining Works (Contract 4)	2021Q4	~~2025Q4~~ 2026Q1		98%
8	Commissioning of Interim BNR Configuration (Contract 4)	2016Q4	2022Q4	2022Q4	100%
9	Commissioning of All Project Components (Contract 4)[1]	2021Q3	2026Q1	2026Q1	100%

[1] Manitoba Sustainable Development Notice of Alteration dated September 12, 2017 - City of Winnipeg South End Water Pollution Control Center (SEWPCC) - Environment Act License No. 2716 RR identifies that the construction and commissioning of the upgraded wastewater treatment plant shall be completed before December 31, 2021

[2] Substantial Completion

Risk (Update from last report)

The following new risk has been identified:

- Resolution of outstanding appeals in Contract C4 presents a financial risk. An ADR process will be used to attempt to resolve the outstanding appeals. Additional internal legal services will be funded to aid in the process and external legal services will be engaged to advise on the process.

The following risks have been updated:

- The C4 Contractor had previously indicated they intended to demobilize from the site prior to project completion. This risk is reducing as the C4 Contractor has made efforts to resolve deficiencies. Commercial solutions were negotiated for several outstanding issues to enable areas to be handed over and to move towards Substantial Performance.

- On December 17, 2025, the C4 Contractor submitted a letter quantifying Covid-19 delay and cost impacts. External legal will be engaged on this matter.

The following risks have been mitigated:

- A commercial solution was reached for the Fermented Sludge Line (FSL) Rotary Drum Thickeners (RDTs).

Table 3 – Significant Risks and Mitigations Strategies

Significant Risks and Mitigation Strategies	
Risk Statement and Explanation	**Risk Mitigation Management Plan**
New:	
Resolution of outstanding appeals in Contract C4 presents a financial risk.	An ADR process will be used to attempt to resolve the outstanding appeals. Additional internal legal services will be funded to aid in the process and external legal services will be engaged to advise on the process.
Ongoing:	
The C4 Contractor has issued a letter to the City indicating their intent to demobilize from the project on May 2nd, 2025.	This risk is reducing. Several deficiencies have been resolved and commercial solutions were negotiated for several outstanding issues to allow for potential area handover and achievement of Substantial Performance.
Three significant events (Media Release, Chemical Resistant Coating (CRC) Delamination, and Waste Activated Sludge (WAS) RTD Undersizing) have contributed to the overall delay of the project, appeals from the C4 Contractor, and additional costs.	Insurance claims have been filed for the Media Release and CRC Delamination events and meetings are taking bi-weekly monthly. A tolling agreement was executed for CRC Delamination as the limitation period was expiring. Coverage for the WAS RTD Undersizing was denied through insurance. Coverage will be pursued through the equipment supplier.
Supplied HRC equipment is not meeting performance guarantees outlined in the contract.	The Project Team is continuing to work with Veolia Water Technologies in an effort to remediate the performance issues encountered with the supplied equipment.
The City's Builders Risk Policy for the SEWPCC upgrade expires December 31, 2023. Due to previous extensions, changes in the insurance market, more stringent underwriting criteria, reduction in capacity limits and the duration of this project, the current insurance carriers will no longer extend the policy.	The City is self-insuring the Builders Risk for the remainder of the C4 Contract. The Insurer has provided a final extension to the Wrap-Up Liability insurance until March 31, 2026.
C4 Contractor progress tracking behind schedule.	The WSTP is reviewing each monthly schedule submission, providing commentary and meeting with the Contractor to rectify baseline issues. A review of previous schedule submissions, including four week look ahead and baseline, is being undertaken to assess the validity and continuity of the schedule.
C4 Contractor testing and commissioning planning documentation typically substandard and/or incomplete.	Commissioning planning meetings are being held with the contractor. Engineer of Record continues to develop Integrated Wet Testing and Demonstration test plans for Contractor to follow.
Actual C4 Contract construction performance takes longer than planned.	Key construction milestone dates with linked liquidated damages incorporated into Contract 4.

COVID-19 Impact on cost and schedule.	External legal will be engaged to advise on this matter.
Mitigated:	
A BNR mixer in train three requires repairs. These repairs require the BNR train to be taken out of service and could have treatment impacts.	All repairs to the BNR mixers requiring a shutdown of the trains have been completed. The remaining repairs can be performed without interrupting train operations and will be completed as replacement parts arrive on site.
The WAS RDTs have less capacity than specified and therefore have no redundancy. This issue affects operation of the facility and will extend the project schedule.	Adequately sized WAS RDTs have been supplied by the vendor and installation is complete. The polymer selection for the WAS RDT has been finalized and the WAS RDTs are in stable operation.
Legal disputes related to Contract C1 are ongoing and have the potentail to increase project costs.	The legal disputes have been settled.
Issues were identified with several of the BNR Mixers. Repairs requried the BNR trains to be taken out of service one at a time. While the BNR trains are out of services, influent flows greater than 150 MLD have the potential to cause elevated effluent ammonia levels.	The BNR mixers have been repaired and the process within the BNR trains has recovered.
1.0 mg/L Biological Phosphorus Licence compliance date of December 31, 2020.	The project is now meeting the Phosphorus licence requirements.
Unknown existing conditions are encountered during construction causing schedule delays and additional costs. Internal condition of high purity oxygen reactors is unknown.	Shutdown and interior inspection of existing high purity oxygen reactor was performed in February 2018.
Low flow work is not completed and the seasonal low flow work window is closing for 2023, putting the project at risk of increased costs and schedule extensions.	All 2023 low flow work has been completed.
Commissioning and optimization of the FSL RDTs has been delayed due to polymer challenges.	A commercial solution was reached for the FSL RDTs.

Financial (Update from last report)

For further information, refer to Appendix B – Financial Forecast

The City continues to work with their insurers to determine the level of coverage for the Media Release and CRC Delamination claims.

- To date, the City has received $230,643.73 in insurance proceeds for the Media Release which have been returned to the capital account.

- The City and the Insurer for the CRC Delamination claim executed a tolling agreement in November 2025 as the limitation period was about to expire.

Funding (Update from last report)

N/A

Table 4 – Project Funding Forecast

Funding Forecast & Receivable			
Funding Source	**Adopted Budget (in millions)**	**Amended Budget (in millons)**	**Committed (in millions)**
Class of Estimate	**Class 3**	**Class 3**	**Class 3**
City of Winnipeg	**298.18**	**326.18**	**326.18**
Retained Earnings	75.82	75.82	75.82
External Debt	222.36	200.36	200.36
Environmental Projects Reserve [1,2,3]		50.00	50.00
Province of Manitoba	**6.08**	**17.08**	**17.08**
Federal Government of Canada	**31.34**	**42.34**	**42.34**
Total	**335.60**	**385.60**	**385.60**

1 On May 27, 2021 Council approved a budget increase of $16.5 million.
2 On July 21, 2022 Council approved a budget increase of $23.5 million.
3 On May 2, 2025 Council approved a budget increase of $10 million

Property Acquisition (Update from last report)

N/A

Stakeholder Engagements/Communications (Update from last report)

The City continues to work with the Manitoba Government as a licence stakeholder.

Subsequent Events after Report Period End Date

The report for the plant wide 30-day performance test has been reviewed. Although some issues were identified, the 30-day performance test is considered successful as all plant effluent licence requirements were met.

A commercial solution was negotiated and agreed on for a number of outstanding issues that were preventing the handover of Areas D and T. The commercial solution also addresses other issues relevant to Substantial Performance.

Areas D and T were handed over on February 17, 2026. These are the final process related areas to be handed over.

External legal was engaged in February to advise on the Covid-19 matter and the ADR process.

FINANCIAL IMPACT

Financial Impact Statement **Date:** March 11, 2026

Project Name:
South End Sewage Treatment Plant (SEWPCC)
Upgrading and Expansion,
Project ID: 2032002EL, 2032000207, and 203210002B,
Quarterly Project Status Report No. 45
For the Period Ended January 31, 2026

COMMENTS:

Financial forecast for the SEWPCC Upgrade and Expansion project can be found in Appendix B.

Angela Wiebe, CPA, CGA

Angela Wiebe, CPA, CGA
Acting Manager of Finance & Administration

CONSULTATION

This Report has been prepared in consultation with:

N/A

OURWINNIPEG POLICY ALIGNMENT

This report aligns OurWinnipeg 2045, Policy 2.17 Regional Water Resource Management, by addressing long-term capacity of water-related systems including wastewater management.

Objective: Protect and value ecosystems as essential components to quality of life through municipal activities and urban environment.

WINNIPEG CLIMATE ACTION PLAN ALIGNMENT

Consideration was given as to whether this report connects to the Winnipeg Climate Action Plan (CAP), and it was determined that the CAP is not applicable to this specific report.

WINNIPEG POVERTY REDUCTION STRATEGY ALIGNMENT

Consideration was given as to whether this report connects to the Winnipeg Poverty Reduction Strategy (PRS) and its Goals and Objectives, and it was determined that the PRS is not applicable to this specific report.

SUBMITTED BY

Department:	Water and Waste Department
Division:	Engineering Services
Prepared by:	Isaac D. Orah, P. Eng., PMP, LEED Green Assoc.
Date:	March 13, 2026

Appendices

Appendix A – Key Project Facts

Appendix B – Financial Forecast

Appendix C – Key Project Events (History)

Appendix D – Funding

Appendix A – Key Project Facts

Appendix A – Key Project Facts	
Project Name	South End Sewage Treatment Plant (SEWPCC) Upgrading and Expansion
Business Owner (Department)	Water and Waste
Project ID	20320002EL, 2032000207 and 203210002B
Project Sponsor	Director of Water and Waste
Department Responsible for Project Delivery	Water and Waste
Consultant Engineer (Company Name)	CH2M Hill Canada Ltd.
Adopted Budget	$335,600,000.00
Class of Estimate (Adopted)	3
Range of Estimate (Adopted)	-20% to +30% $268,500,00 to $436,300,000
Amended Budget	$385,600,000.00
Class of Estimate (Amended)	3
Range of Estimate (Amended)	-20% to +30% $308,480,000 to $501,280,000
Project Scope	
The project is to expand the capacity of the SEWPCC for expected 2031 flows and upgrade the process to meet new effluent limits for nitrogen and phosphorous. The project design is based on the lowest life cycle cost (Net Present Value or NPV). In addition, the plant must operate continuously during the work and meet current effluent limits to the greatest extent possible.	
Major Capital Projects Advisory Committee Membership: Joseph Dunford, Chief Administrative Officer Tracy Graham, Chief Finacial Officer Rob Taylor, Director of Assets and Project Mangament Danny Tooth, Acting Manager of Capital Projects Oversight and Reporting Tim Shanks, Director of Water and Waste Cynthia Wiebe, Manager of Engineering Services, Water and Waste Linda McCusker, Project Director Winnipeg Sewage Treatment Program	

Appendix B – Financial Forecast

Appendix B - Project SEWPCC Financial Forecast
As at January 31, 2026

Project Component Deliverables	Budget (in 000's)			Expenditure Forecast (in 000's)					Surplus (Deficit) From Amended Budget	Variance Last Report	Change in Variance
	Adopted Budget	Council Approved Change	Amended Budget	Actual Costs To January 31, 2026	Projected Costs 2025	Projected Costs 2026	Projected Costs 2027	Total Forecasted Costs			
Engineering, Design and Other	$ 45,351	$ -	$ 45,351	$ 79,455	$ -	$ 1,954	$ 197	$ 81,606	$ (36,255)	$ (36,039)	$ (216)
Construction	$ 257,242	$ -	$ 257,242	$ 284,356	$ -	$ 11,465	$ 339	$ 296,160	$ (38,918)	$ (38,652)	$ (266)
Land Acquisition	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Internal Financing/Overhead Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contingency	$ 33,007	$ 50,000	$ 83,007	$ -	$ -	$ -	$ 7,834	$ 7,834	$ 75,173	$ 74,691	$ 482
Total Project Budget	**$ 335,600**	$ 50,000	$ 385,600	$ 363,811	$ -	$ 13,419	$ 8,370	$ 385,600	$ -		
% of Project Budget Spent (Actual Costs to Date / Adopted & Amended Budget)	108%		94%								

Project ID	Project Year	Adopted Budget	Costs to Date
20320002EL[1]	2002	$222,752	$222,752
2032000207[1]	2007	$10,695,000	$10,695,000
203210002B	2012-2022	$374,682,248	$352,893,335
Total Project Budget		$385,600,000	$363,811,087

[1] Does not appear in the Capital Expenditures Monthly Report as the funds have been expended and it is designated as a closed Project ID.

Appendix C – Key Project Events (History)

1. THE PROJECT

The goal of this project is to expand the capacity of the SEWPCC for expected 2031 flows and upgrade the processes to meet new effluent limits for nitrogen and phosphorous. The project design is based on the lowest life cycle cost (Net Present Value, or NPV). In addition, the plant must operate continuously during the work and meet current effluent limits to the greatest extent possible.

As a result of the 2003 Clean Environment Commission Hearings on the City's wastewater collection and treatment systems, Manitoba Conservation and Water Stewardship (the Regulator) notified the City that it intended to issue a licence for the South End Water Pollution Control Centre (SEWPCC) that would require control of nutrients discharged to the Red River.

Between 2001 to 2010, Council has approved $203,250,000.00 for the Nutrient Removal Upgrade/Expansion at the SEWPCC.

On January 9, 2006, the Chief Financial Officer concurred with the recommendation to authorize an assignment to Stantec Consulting Ltd. for preliminary and conceptual engineering services related to the South End Water Pollution Control Centre upgrading and expansion at an estimated cost of $3,250,000.00.

On May 16, 2007, Council authorized the Chief Administrative Officer to finalize the terms and conditions of a contribution agreement with the Government of Canada and the Province of Manitoba for funding of Wastewater Treatment Plant upgrades under the Canada Strategic Infrastructure Fund.

In late 2007, the Winnipeg Public Service was directed to initiate an assessment of alternate project delivery methods for the SEWPCC upgrade and expansion. Consequently, the assignment to Stantec was suspended after the conclusion of the conceptual and preliminary engineering work.

On November 19, 2008, City Council authorized the Winnipeg Public Service to:

- Begin the procurement of a strategic partner that could bring private sector experience to the design, construction, finance and potentially the operation of the North and South End Sewage Treatment Plants as well as potential operation of the West End Water Sewage Treatment Plant, and

- Authorize the Chief Administrative Officer to approve and issue the Request for Expressions of Interest followed by a Request for Qualifications and the Request for Proposals

On June 19, 2009 the Regulator issued a revised Environment Act Licence No. 2716 R for the SEWPCC.

On November 25, 2009, the Chief Financial Officer approved an award to Taillieu Construction Ltd. for SEWPCC Installation of Outfall Pipe, Effluent Sampling Facility and Associated Works, Contract No. 2 at an estimated cost of $4,884,450.00.

On May 19, 2010 Council:

- Directed the Chief Administrative Officer to approve and issue a Letter of Notification to Veolia in order to immediately begin design and construction of the South and North End sewage treatment plant upgrades and expansion and biosolids handling facility; and

- Delegated the authority to the Chief Administrative Officer to "approve contract awards for upcoming South and North End sewage treatment plant capital projects where the value of each contract does not exceed $30 million and there are sufficient funds in a budget approved by Council

On September 6, 2011, the City submitted to the Regulator, an engineering plan for the upgrading and expansion of the SEWPCC in accordance with Environment Act Licence No. 2716 R.

On April 18, 2012, the Regulator issued a revised Environment Act Licence No. 2716 RR for the SEWPCC effective May 1, 2012.

On October 5, 2012, the City submitted to the Regulator a revision to the engineering plan wherein the main treatment process was revised from Biological Aerated Filter to a Fixed-film Activated Sludge process.

On April 25, 2013, the Chief Administrative Officer approved a recommendation to award a contract to CH2M Hill Canada Ltd. to provide Professional Consulting Services for SEWPCC Upgrading/Expansion Project at an estimated cost of $25,350,419.00.

On March 13, 2014, the Standing Policy Committee on Finance recommended that the South End Water Pollution Control Centre Financial Status reports and future reports pertaining to the North End, South End or West End Water Pollution Control Centre, include:

- The total amount of federal and provincial funding received to date as well as the balance of outstanding for Winnipeg ratepayers

- Clarification of the cost estimates as a result of the regulatory requirements that have changed and the potential impact on the final budget; and

- A summary of the entire program in terms of funding from all levels of government

On May 2, 2025, Council approved the capital budget increase of $10 million for the SEWPCC Nutrient Removal/Expansion project. The capital budget increase was funded from approved 2025 funds in the Environmental Projects Reserve and may be returned to the reserve through insurance proceeds and/or performance bonds.

Environment Act Licence No. 2716 RR

On November 5, 2015 the City received a letter from the Province granting a Licence compliance extension to December 31, 2016, noting that consideration of further extensions will be subject to the City providing quarterly status reports and consultation with the Clean Environment Commission.

To comply with the Provincial Licence requirements the City hired Associated Engineering to conduct an Alternative Analysis Review. This report is an independent review of the SEWPCC construction schedule, evaluating ways to accelerate the schedule and/or mitigate delays. The City and Associated Engineering met with the Clean Environment Commission multiple times to review the scope and findings of the report.

The factors contributing to the revised date include:

- Contract detailed design is trending later than the original schedule
- Critical low wastewater flow construction window will delay completion by 12 months
- There was no schedule contingency in the original project critical path; and
- There was no allocation in the schedule for project risk due to winter construction and unforeseen situations

The Alternative Analysis Review was submitted to Manitoba Sustainable Development on October 20, 2016.

A letter dated September 12, 2017 was received from Manitoba Sustainable Development – Environmental Approval Branch providing conditional approval of the City's Notice of Alteration - City of Winnipeg South End Water Pollution Control Centre (SEWPCC) - Environment Act Licence No. 2716 RR project completion date. The approval indicates that construction and commissioning of the upgraded wastewater treatment plant is to be completed before December 31, 2021.

In December 2020, a Notice of Alteration for the interim phosphorous control process at the SEWPCC was submitted to the Province. The Province did not approve the request and required additional reporting and the submission of a revised schedule to full completion. The City has been reporting project status to the Province on a monthly and quarterly basis.

In September 2021, following a meeting with the Province, the City requested an extension to the Notice of Alteration date from September 30, 2021 to November 30, 2021. This was approved by the Province.

In November 2021, following a meeting with the Province, the Department submitted a Notice of Alternation to the Province stating that, due to the C4 Contractor's performance preventing the completion of various critical pre-requisite works, seeding activities for the biological nutrient removal (BNR) process would not occur in 2021 and are anticipated to start in 2022.

In late December 2021, a power imbalance caused the protection controls to turn off for some pumps, which resulted in Integrated Fixed Film Activated Sludge (IFAS) media being released

from the BNR system. The Engineer of Record investigated and recommended methods of IFAS media clean-up and recovery to the C4 Contractor. The C4 Contractor has cleaned up and recovered the media which was released to plant areas that were outside the BNR system.

As reported previously, a power imbalance in December 2021 resulted in a release of the Integrated Fixed Film Activated Sludge (IFAS) media from the BNR tanks. This release delayed the commissioning of the Biological Nutrient Removal (BNR) system and led to an adjusted seeding start of June 2022. A revised Notice of Alteration was submitted to the Province on February 25, 2022, notifying of the delay and requesting a revised compliance date.

On April 14, 2022, the Province advised that the Notice of Alteration request, submitted by the City on February 25, 2022 for a revised compliance date was denied. However, the Province acknowledged the delays and accepted the submission as a compliance plan and required the City to continue the monthly and quarterly status reports.

On May 22, 2024, the City requested a compliance plan extension to October 30, 2024 to the Province to account for the delamination and waste activated sludge rotary drum thickeners (WAS RDT) issues.

On December 11, 2024, the City submitted a request for a compliance plan extension to December 31, 2025 to the Province. Although the SEWPCC is in compliance for all effluent requirements in the licence under all flow conditions, including biological phosphorus removal, final project completion remains outstanding. On January 6, 2025, the Province accepted the submission as an amendment to the compliance plan.

RISKS AND RISK MITIGATION STRATEGIES

The project has proceeded on a fast-track basis with construction contracts proceeding completion of the design. The detailed design is now complete with the largest and last construction contract, Contract 4 tendered. The cost estimate for Contract 4 (C4), which has an identified accuracy range of -10% to + 10%, is higher than the project allocation for this work. The adopted project budget of $335.6 million was based on a Class 3 cost estimate which had an AACE expected accuracy range of -20% to +30% or $268.5 million to $436.3 million. On May 27, 2021 Council approved a budget increase of $16.5 million, thereby approving an amended budget of $352.1 million.

An ongoing risk management strategy has been implemented for the project encompassing a proactive process of identifying and assessing project risk, defining appropriate risk handling strategies and plans, and monitoring those actions to completion. A project risk register is being kept throughout the project and is updated by formal analysis.

Appendix D
South End Sewage Treatment Plant (SEWPCC) and Winnipeg Sewage Treatment Program (WSTP)

1) Funding for the SEWPCC is as follows:

SEWPCC Nutrient Removal/Upgrade (in $millions)	Total Cost	Funded to Date		Funding Pending		Total Funding		City Share of Costs
		Canada	Manitoba	Canada	Manitoba	Canada	Manitoba	
Environment Act Licence Driven Funding								
CSIF BNR	$ 147.0	$ 27.14	$ 6.08	$ 4.20	$ -	$ 31.34	$ 6.08	$ 109.58
GIF Wet Weather Flow	60.0	9.90	9.90	1.10	1.10	11.00	11.00	38.00
Other [5]	178.6							178.60
Estimated Program Costs	**$ 385.6**	**$ 37.04**	**$ 15.98**	**$ 5.30**	**$ 1.10**	**$ 42.34**	**$ 17.08**	**$ 326.18**

2) Funding for the Winnipeg Sewage Treatment Programs is as follows:

WSTP All Projects (in $millions)	Total Cost	Funded to Date		Funding Pending		Total Funding		City Share of Costs
		Canada	Manitoba	Canada	Manitoba [4]	Canada	Manitoba	
WEWPCC Biological Nutrient Removal [1]	$ 33.23	$ 5.07	$ 8.19	$ -	$ -	$ 5.07	$ 8.19	$ 19.97
NEWPCC Centrate and UV Disinfection [1]	52.08	5.59	14.54			5.59	14.54	31.95
SEWPCC Nutrient Removal/Expansion [5]	385.60	37.04	15.98	5.30	1.10	42.34	17.08	326.18
NEWPCC Power Supply and Headworks [2]	565.35	107.10	89.24	9.01	7.51	116.11	96.75	352.49
NEWPCC Biosolids [3]	1,035.00			200.87	197.38	200.87	197.38	636.75
NEWPCC Nutrient Removal [4]	1,570.00					-	-	575.89
Estimated Program Costs	**$ 3,641.26**	**$ 154.80**	**$ 127.95**	**$ 215.18**	**$ 205.99**	**$ 369.98**	**$ 333.94**	**$ 1,943.23**

[1] WEWPCC Biological Nutrient Removal and NEWPCC Centrate and UV Disinfection have been completed.

[2] On July 23, 2021 the Federal and Provincial governments announced $212.86 million in Investment in Canada Infrastructure Program (ICIP) funding for the NEWPCC Upgrade Power Supply and Headworks project. $116.11 million in Federal and $96.75 million in Provincial funding.

[3] On August 16, 2022 the Federal and Provincial governments announced an additional $368.25 million in ICIP funding for the NEWPCC Upgrade Biosolids project. $200.87 million in Federal and $167.38 million in Provincial funding. On March 28, 2025, the Provincial government signed an agreement for an additional $30 million in SIB funding for the NEWPCC Upgrade Biosolids project.

[4] NEWPCC Upgrade Nutrient Removal project has not been approved. The cost estimate for the NEWPCC Upgrade Nutrient Removal project was updated from $828.06 million to $1,491.03 million in 2025. An additional $10.894 million in City funding was approved for the NEWPCC Upgrade Nutrient Removal project by Council on March 27, 2025.

[5] An additional $10.00 million in City funding was approved for the SEWPCC Nutrient Removal/Upgrade project by Council on May 2, 2025.

* Northwest Interceptor (NWI)