NEWPCC Upgrade: Headworks Facilities

CURRENT COST ESTIMATE

$356 million

Class 3 estimate
(-20% to +30%)

Main project driver

REGULATORY

Description	The project will include upgrades to the headworks facilities of the NEWPCC (North End Sewage Treatment Plant) such as raw sewage pumping, screening, grit screening, and grit removal. The scope of this project is necessary for the subsequent Biosolids and Nutrient Removal Facilities projects that will address regulatory requirements. This project will also include replacement of end-of-life equipment.
Need / rationale	The provincial government requires more stringent licence requirements. This includes reduced nutrient loading, limits for phosphorous and nitrogen along with the requirement to sustainably re-use biosolids. These new licence requirements cannot be met by the existing plant processes and some equipment must be upgraded to meet the new process demands. In addition, several components and facilities have reached their end of service life and must be replaced to maintain reliable operation.
Short-term risks of not proceeding	Delaying work at NEWPCC will result in numerous risks, which include non-compliance with the provincial regulatory licence, insufficient capacity in the existing biosolids facility to service expected growth of the city, failure of plant components that have reached end of life, and construction cost escalation.
Status	In February 2019, Council approved this project. The project is currently in the procurement stage. RFQ's have been received and are being reviewed and an RFP will follow.
Project duration	The estimated project duration is 7 years.

NEWPCC Upgrade: Biosolids Facilities



CURRENT COST ESTIMATE

$553 million

Class 3 estimate

(-20% to +30%)

Main project driver

REGULATORY

Description	The project will provide biosolids treatment for Winnipeg's three sewage treatment plants at the NEWPCC (North End Sewage Treatment Plant), replace end of life equipment and address regulatory requirements regarding the recovery of nutrients and maximizing biosolids reuse. The scope of this project will include new digesters, thermal hydrolysis equipment, phosphorus recovery equipment and sludge handling facilities.
Need / rationale	The provincial government requires more stringent licence requirements. This includes reduced nutrient loading, limits for phosphorous and nitrogen along with the requirement to sustainably re-use biosolids. The current biosolids facility cannot meet the forthcoming regulations for beneficial reuse of biosolids. Aging infrastructure also requires upgrading to support the biological removal process.
Short-term risks of not proceeding	Delaying work at NEWPCC (North End Water Pollution Control Centre) will result in numerous risks, which include non-compliance with the provincial regulatory licence, insufficient capacity in the existing biosolids facility to service expected growth of the city, failure of plant components that have reached end of life, and construction cost escalation.
Status	In February 2019, Council directed the Winnipeg Public Service to prioritize this project subject to Federal and Provincial funding. The public service is currently pursuing Federal and Provincial funding.
Project duration	The estimated project duration is 8 years.

South Winnipeg Recreation Campus: Phase One – Recreation Centre



CURRENT COST ESTIMATE

$71 million

Class 5 estimate
(-50% to +100%)

Main project driver

GROWTH

Description	The project would see the development of a phased multi-generational recreation campus in Waverley West that includes a multi-use recreation centre with gymnasiums, multi-purpose rooms, fitness space, a walking/running track, and adjacent park space with athletic fields and community spray pad. Future phases could include a regional aquatic facility addition and a community library, subject to funding approvals. The City is working collaboratively with area stakeholders on the development of the proposed recreation campus, including the Pembina Trails School Division and South Winnipeg Action Team (SWAT) Opportunities to allow for shared site amenities with the school division are being explored to reduce duplication of spaces.
Need / rationale	With an anticipated population of approximately 40,000 to 50,000 people once fully developed, the Waverley West area currently has no public recreation facility, community centre, or community library. In order to meet level of service requirements, new program space is required, including gymnasium/multi-purpose space, library services space and park athletic field space.
Short-term risks of not proceeding	There will soon be 40,000 to 50,000 residents with no access to City recreation services or facilities within their community. Without access to recreation programs and services in the area, resident's quality of life will be negatively affected.
Status	The acquisition of a 19-acre parcel adjacent to a 25-acre Pembina Trails School Division site is complete. Further conceptual site planning is occurring in coordination with Pembina Trails School Division to confirm shared use opportunities between the two sites. Governance and operating model options will be further explored in Fall 2019 and a Public Service report on a preferred operating model, anticipated operating costs and governance model will be brought to Council for consideration in 2020.
Project duration	The estimated project duration is 3 years.

St. James Civic Centre – Facility Expansion



CURRENT COST ESTIMATE

$14 million

Class 4 estimate
(-30% to +60%)

Main project driver

ENHANCE

Description	The project involves an expansion of the St. James Civic Centre with an approximately 14,000 sq. ft. addition that includes several multi-purpose program and meeting rooms to replace lost programming space and achieve targeted level of service and dedicated administrative space for St. James Assiniboia 55+. Shared programming space is approximately 11,400 sq. ft. and space dedicated to SJA55+ is approximately 2,300 sq. ft. Facility renovations of approximately 14,000 sq. ft. include improvements to the auditorium, main building entry, washrooms and development of a community kitchen.
Need / rationale	The building systems renewal project being implemented in 2019 has resulted in the loss of the second floor and basement programming spaces leaving the facility with very limited space to provide community programming and meet changing community needs. The resulting level of service will be well below the targeted level of service and will mean program offerings will be reduced below 2016 levels.
Short-term risks of not proceeding	Program capacity in the facility will be reduced which will have negative effects on community health and well-being and quality of life for residents.
Status	Schematic design and Class 4 estimates have been completed and the project has been on hold pending confirmation of funding. Upon approval of funding, it is estimated that completion of design and construction documents will take 12 to 18 months.
Project duration	The estimated project duration is 3 years.