WATER & WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Southwest Interceptor**

Standing Policy Committee: Water, Waste and Environment
Dept ID: 200752
Department: Water and Waste
Project: 2037001623

Investment Driver: Growth
Service: Wastewater
OurWinnipeg: City Building

AUTHORIZATION	Previous Budgets	2023 Estimate	FORECAST 2024	2025	2026	2027	2028	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,350	8,000	-	32,000	20,000	35,000	-	87,000	95,000
Financed by:									
Province of Manitoba Strategic Infrastructure Basket		7,567						-	7,567
Retained Earnings		433		32,000	20,000	35,000		87,000	87,433

CASH FLOW	2023	2024	2025	2026	2027	2028	Beyond 2028	Total
Project Costs ($000's)	8,000	-	32,000	20,000	35,000	-	-	95,000
Financed by:								
Province of Manitoba Strategic Infrastructure Basket	7,567							7,567
Retained Earnings	433		32,000	20,000	35,000			87,433

NET OPERATING IMPACT ($000's)	2023	2024	2025	2026	2027	2028
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: See table below

@	2023	2024	2025	2026	2027	2028
Class Estimate	3	5	5	5	5	
Authorization ($000's)						
Detailed Design & Construction	1,000	4,000	35,000	20,000	35,000	

Currently, all sewage from the land in Winnipeg south of Abinojiii Mikanah (formerly Bishop Grandin Boulevard) and west of the Red River plus the communities of Lindenwoods and Whyte Ridge flow to the South End Sewage Treatment Plant (SEWPCC). This flow crosses the Red River between the Fort Garry bridges; at this location the D'Arcy lift station raises the sewage to a sufficient height to allow it to flow by gravity under the Red River.

This crossing represents a single point of failure. If there is a failure of the lift station or the siphon, there is a substantial risk of basement flooding and/or overflows to the Red River. System redundancy is required to convey flows to the treatment plant in the event of a failure of either D'Arcy lift station or the associated siphons. Also, due to the high wet weather flows experienced at the D'Arcy lift station, the additional system capacity will reduce the risk of basement flooding and overflows to the river.

The Southwest Interceptor will provide an additional river crossing of the Red River. A conceptual study will be undertaken to review options and sizing. The project will be broken up into phases; the total cost of the project is estimated at $96.3 million.

The budget in 2023 may be utilized for land acquisition as required.
The class estimate will be refined to a class 3 prior to construction.
The major benefits of constructing this project include enabling growth in south-west Winnipeg and maintaining essential level of service.
Significant risks associated with constructing this project include unknown ground conditions and construction of a river crossing.
Significant risks of not constructing the project or deferring the project include inability to accommodate future growth and inability to maintain essential level of service.

The expected life of this asset is 75 years.