# WATER & WASTE - SEWAGE DISPOSAL SYSTEM FUND

**Project Name:** **South End Water Pollution Control Centre (SEWPCC) - Nutrient Removal / Expansion**

| | | | |
|---|---|---|---|
| Standing Policy | Water and Waste, Riverbank Management and the Environment | | |
| Dept ID: | 200752 | Investment Driver: | Regulatory |
| Department: | Water and Waste | Service: | Wastewater |
| Project: | 203200xxyy | **OurWinnipeg:** | Environment |

| AUTHORIZATION | Previous Budgets | 2022 Estimate | FORECAST 2023 | 2024 | 2025 | 2026 | 2027 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 352,100 | 23,500 | - | | | | | | 23,500 |
| Financed by: | | | | | | | | | |
| Environmental Projects Reserve | | 23,500 | | | | | | | 23,500 |

| CASH FLOW | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Beyond 2027 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 23,500 | | | | | | | 23,500 |
| Financed by: | | | | | | | | |
| Environmental Projects Reserve | 23,500 | | | | | | | 23,500 |

| NET OPERATING IMPACT ($000's) | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|
| 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

| @ | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|
| **Class Estimate** | 3 | | | | | |
| **Authorization ($000's)** | | | | | | |
| Preliminary Design | | | | | | |
| Detailed Design & Construction | 23,500 | | | | | |

The Province of Manitoba has issued the City of Winnipeg an Environment Act Licence requiring the treatment of nutrients (nitrogen (N) and phosphorus (P)) among other requirements at the SEWPCC.

The Implementation of Biological Nutrient Removal (BNR) will require a major plant upgrade and expansion. Also, the population within the SEWPCC service area is growing and will necessitate an effluent capacity upgrade. The project will address the BNR effluent quality limits and increased capacity requirements.

The expected life of the structures is 50 years, the expected life of electrical and mechanical components is 25 years, and the expected life for computer related systems is 10 years.