Winnipeg

2020 Preliminary Budget

# Capital Project Detail

Volume 3






# City of Winnipeg

# 2020

## Preliminary Budget
## Capital Project Detail
## Volume 3

WINNIPEG, MANITOBA, CANADA

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# Reader's Guide

This **Reader's Guide** is intended to provide the reader with a basic understanding of the Capital Project Detail Volume 3, developed from the capital budgeting process, as well as briefly describe the document's content and layout.

The **2020 Preliminary Capital Budget and the 2021 to 2025 Five-Year Forecast** provides summary and detailed information on capital projects and financing for the capital program, set out in the following sections:

- The **Capital Project Summary** provides a listing of capital projects for 2020 through to 2025, highlighting related financing sources.
- The **Capital Project Detail** section gives additional information about each project in the budget, including project descriptions, current year's budget and five-year forecast, cash flow projections, net impact on the operating budget, and previous budget authorizations, if applicable. The capital estimate and service area are identified, as well as the link to OurWinnipeg to ensure all capital projects align with city objectives.
- The **Appendices** provide additional context information in support of the rest of the budget document.

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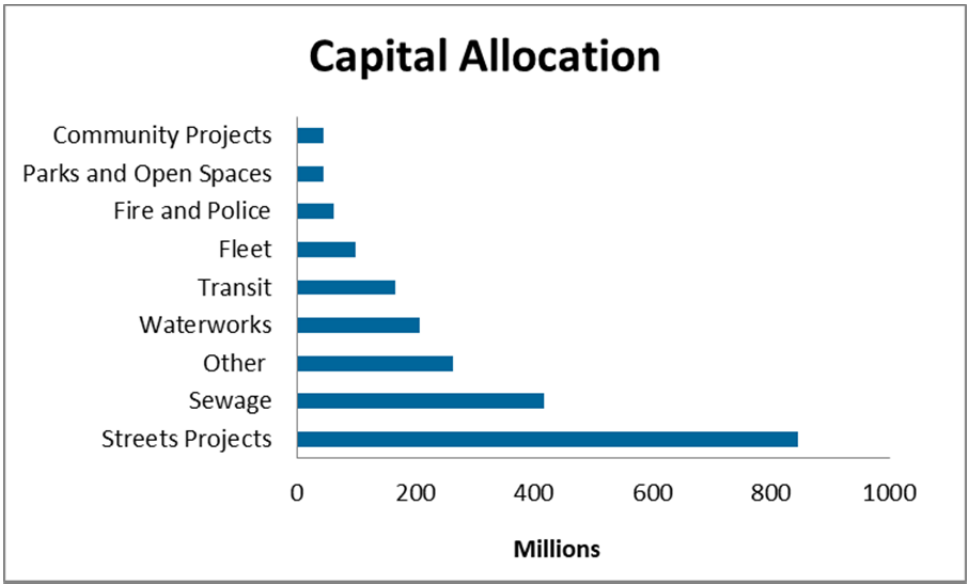
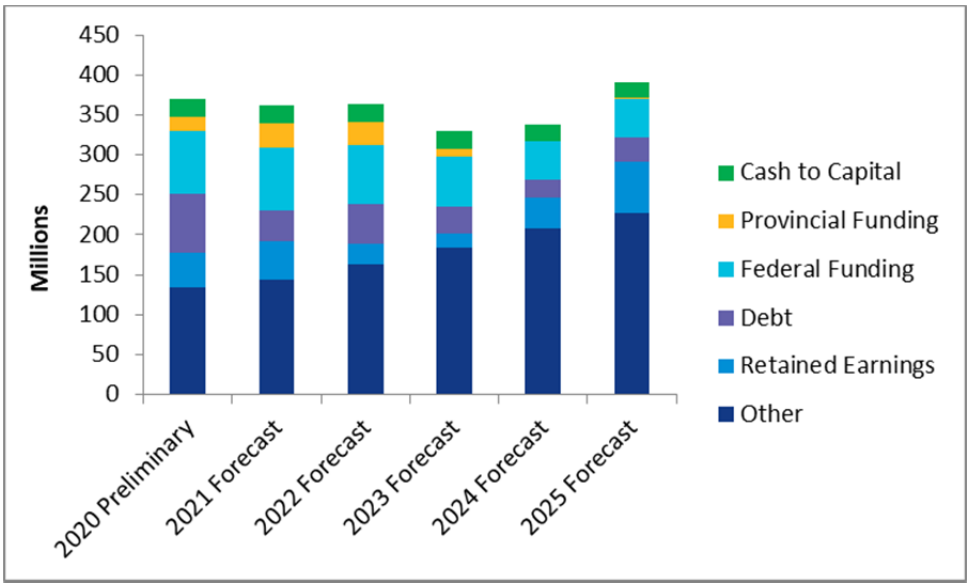
# Executive Summary

The 2020 Preliminary Capital Budget and 2021 – 2025 Five-Year Forecast supports infrastructure and investments such as purchasing or constructing buildings, roads, park and recreation areas, equipment, vehicles and land. The 2020 capital budget and five-year forecast balances infrastructure investment required to keep existing City assets in good repair while supporting ongoing growth needs. Capital investment decisions consider the collective benefit for residents, the risks associated with project deferral, and service affordability.

The 2020 Capital Budget is comprised of $2.1 billion in total capital investment over the next six years. The following chart summarizes the budget by specific areas:




This capital budget has kept debt levels relatively flat and cash to capital funding at approximately $20.0 million per year. These are significant funding decisions which have impacted the operating budget.



# Executive Summary

Provincial funding comprises 4% of the six-year capital budget. Federal funding makes up 18.3%.

Despite the significant investments made in this budget the City is challenged by funding contributions from other levels of government. The City continues to have ongoing discussions with the Province and the federal government on this issue.

This budget continues to advance Council's strategic goals, as set out in *OurWinnipeg*:

- Complete Communities
- Sustainable Transportation
- Sustainable Water and Waste
- A sustainable Winnipeg

This budget contains continued investments in regional and local street renewals, with over $846 million allocated to this area over the six years. Transit includes over $130 million in funding for transit buses, heated bus shelters, the low income bus pass program and accessibility improvements.




The 2020 budget increases support for the combined sewer overflow and basement flood management strategy. The City also continues to focus on sustainability with investments in the urban forest and water meter renewals.



With the population of Winnipeg continuing to expand, planning for growth is critical to ensure complete communities. Dedicated funding has been included for a new Waverley West Fire Paramedic Station and consolidation of existing fire stations to enhance service.

As noted in the recent 2020 Infrastructure Report, total capital investment needs are greater than the available budget. The recent infrastructure report highlighted the future infrastructure requirements over the next 10 years. Strategic, long-term governmental partnerships and predictable long term funding arrangements are required for the City to address its ongoing infrastructure requirements.

# Executive Summary

Implementation of the capital projects can impact future operating expenditures. For example, improvements to buildings may lower maintenance costs and new arenas or recreational amenities may increase ongoing maintenance. Operating costs are considered in deciding when projects are authorized. Incremental increases in operating costs, when identifiable, are reflected under operating costs in the Net Operating Impact table for each project (see capital detail sheets in section 2). The following is a summary of these costs plus related transfer to capital and debt and finance charges for the six-year capital budget period:

| Department/Utility/Special Operating Agency | Incremental Operating Costs | | | | | |
|---|---|---|---|---|---|---|
| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
| | (in $000s) | | | | | |
| Public Works | 10,041 | 7,351 | 6,388 | 5,179 | 5,362 | 6,304 |
| Community Services | 3,813 | 402 | 513 | 2,489 | 2,534 | 4,400 |
| Winnipeg Police Service | 2,753 | 6,184 | 6,241 | 4,111 | 4,098 | 3,391 |
| Fire Paramedic Service | 540 | 1,215 | 1,820 | 2,509 | 2,903 | 2,457 |
| Property, Planning and Development | 2,406 | 1,396 | 1,737 | 1,639 | 1,748 | 1,713 |
| City Clerks | - | 100 | 210 | 100 | - | 100 |
| Innovation, Transformation and Technology | 2,221 | 2,555 | 3,059 | 3,201 | 3,290 | 2,855 |
| Customer Service and Communications | 122 | 100 | - | 100 | - | - |
| Assessment and Taxation | 22 | 285 | 468 | 76 | 347 | 512 |
| **Total Tax Supported** | 21,918 | 19,588 | 20,436 | 19,404 | 20,282 | 21,732 |
| Municipal Accommodations | 214 | 1,286 | 995 | 851 | 164 | 1,107 |
| Transit | 6,161 | 12,942 | 13,990 | 17,219 | 17,181 | 14,130 |
| **Total Tax Supported, Transit and Muncipal Accommodations** | 28,293 | 33,816 | 35,421 | 37,474 | 37,627 | 36,969 |
| **Self-Supporting Utilities** | | | | | | |
| Waterworks Systems | - | - | - | - | - | - |
| Sewage Disposal System | 255 | 451 | 577 | 630 | 717 | 733 |
| Solid Waste Disposal System | 59 | 60 | 172 | 162 | 162 | 162 |
| Land Drainage and Flood Control | 153 | 175 | (252) | (244) | (208) | (199) |
| **Total Self-Supporting Utilities** | 467 | 686 | 497 | 548 | 671 | 696 |
| **Special Operating Agencies** | | | | | | |
| Winnipeg Fleet Management Agency | 314 | 802 | 1,202 | 1,637 | 2,026 | 2,314 |
| Winnipeg Parking Authority | 56 | 17 | 17 | 17 | 17 | 17 |
| **Total Special Operating Agencies** | 370 | 819 | 1,219 | 1,654 | 2,043 | 2,331 |
| **TOTAL CITY** | 29,130 | 35,321 | 37,137 | 39,676 | 40,341 | 39,996 |

# Capital Project Summary

## 2020 Preliminary Capital Budget and 2021 to 2025 Five-Year Forecast

**Note:**

In the attached Capital Project Summary, tax supported capital projects are financed by cash to capital unless other funding is disclosed for the project.

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| *CAPITAL PROJECT SUMMARY* *(in Thousands of $)* | ADOPTED BUDGET | PRELIMINARY CAPITAL | | | | | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|
| | | BUDGET | FORECAST | | | | |
| | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2020-2025 |
| **SUMMARY OF CAPITAL PROGRAM** | | | | | | | | |
| Public Works | 118,384 | 164,675 | 174,394 | 185,628 | 168,038 | 156,092 | 173,179 | 1,022,006 |
| Community Services | 30,640 | 13,646 | 12,235 | 5,525 | 4,785 | 4,724 | 4,835 | 45,750 |
| Winnipeg Police Service | 4,558 | 2,966 | 4,990 | 5,047 | 3,034 | 2,655 | 2,098 | 20,790 |
| Fire Paramedic Service | 16,085 | 11,112 | 2,414 | 17,392 | 12,369 | 1,668 | 1,619 | 46,574 |
| Planning, Property and Development | 2,985 | 6,062 | 3,220 | 1,495 | 228 | 337 | 302 | 11,644 |
| City Clerks | | | 100 | 210 | 100 | | 100 | 510 |
| Innovation, Transformation and Technology | 11,353 | 6,776 | 4,951 | 4,460 | 2,770 | 2,151 | 3,619 | 24,727 |
| Customer Service and Communication | | 122 | 100 | | 100 | | | 322 |
| Assessment and Taxation | 2,350 | 630 | 587 | 412 | 480 | 397 | 412 | 2,918 |
| **Total Tax Supported** | 186,355 | 205,989 | 202,991 | 220,169 | 191,904 | 168,024 | 186,164 | 1,175,241 |
| Municipal Accommodations | 18,196 | 4,707 | 3,523 | 931 | 1,333 | 2,660 | 943 | 14,097 |
| Transit | 39,771 | 26,435 | 28,635 | 27,612 | 28,638 | 30,463 | 25,044 | 166,827 |
| **Total Tax Supported, Transit and Municipal Accommodations** | 244,322 | 237,131 | 235,149 | 248,712 | 221,875 | 201,147 | 212,151 | 1,356,165 |
| **Self-Supporting Utilities** | | | | | | | | |
| Waterworks System | 25,000 | 37,600 | 40,960 | 28,250 | 23,915 | 30,180 | 46,045 | 206,950 |
| Sewage Disposal System | 64,189 | 69,065 | 61,530 | 58,590 | 58,550 | 80,535 | 109,025 | 437,295 |
| Solid Waste Disposal System | 3,625 | 3,470 | 2,750 | 4,900 | 3,150 | 1,850 | 1,400 | 17,520 |
| Land Drainage and Flood Control | 7,195 | 5,680 | 4,470 | 5,700 | 5,500 | 6,785 | 5,600 | 33,735 |
| **Total Self-Supporting Utilities** | 100,009 | 115,815 | 109,710 | 97,440 | 91,115 | 119,350 | 162,070 | 695,500 |
| **Special Operating Agencies** | | | | | | | | |
| Winnipeg Fleet Management Agency | 23,313 | 15,972 | 17,349 | 16,465 | 16,440 | 16,447 | 16,447 | 99,120 |
| Winnipeg Parking Authority | 121 | 651 | 126 | 172 | 137 | 238 | 149 | 1,473 |
| **Total Special Operating Agencies** | 23,434 | 16,623 | 17,475 | 16,637 | 16,577 | 16,685 | 16,596 | 100,593 |
| **TOTAL CAPITAL PROGRAM** | 367,765 | 369,569 | 362,334 | 362,789 | 329,567 | 337,182 | 390,817 | 2,152,258 |

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| ***CAPITAL PROJECT SUMMARY*** *(in Thousands of $)* | ADOPTED BUDGET | PRELIMINARY CAPITAL BUDGET | PRELIMINARY CAPITAL FORECAST | | | | | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2020-2025 |
| **SUMMARY OF FINANCING SOURCES** | | | | | | | | |
| Cash to Capital | 21,260 | 22,721 | 22,889 | 21,408 | 21,500 | 20,000 | 20,000 | 128,518 |
| Frontage Levy | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 60,000 |
| Public Private Partnership Annual Service / Financing Payments | (26,357) | (37,404) | (37,761) | (37,901) | (38,201) | (38,636) | (37,355) | (227,258) |
| Reserves: | | | | | | | | |
| - Transit Bus Replacement | | | | | | 10,889 | 12,268 | 23,157 |
| - Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass Payment | 1,780 | 14,460 | 14,720 | 14,760 | 14,880 | 15,190 | 15,280 | 89,290 |
| - Water Meter Renewal | | | | | | | 16,000 | 16,000 |
| - Water Main Renewal | 16,500 | 17,500 | 18,000 | 18,500 | 19,000 | 20,000 | 20,500 | 113,500 |
| - Sewer System Rehabilitation | 17,500 | 7,000 | 17,500 | 18,000 | 18,500 | 21,000 | 21,000 | 103,000 |
| - Environmental Projects | 31,100 | 31,610 | 23,110 | 29,120 | 30,000 | 32,000 | 34,160 | 180,000 |
| - Landfill Rehabilitation | 875 | 970 | 1,550 | 1,400 | 1,400 | 1,350 | 1,400 | 8,070 |
| - Waste Diversion | | 1,800 | | 250 | 450 | | | 2,500 |
| - Financial Stabilization | 1,035 | 1,035 | 1,035 | 1,035 | 1,035 | | | 4,140 |
| - Destination Marketing | | 336 | | | | | | 336 |
| - Permit | | 1,215 | 1,947 | 1,019 | | | | 4,181 |
| - Land Operating | 7,370 | 4,515 | 2,915 | 965 | 965 | 3,265 | 965 | 13,590 |
| - Impact Fee | | | | | 7,000 | | | 7,000 |
| - Local Street Renewal | 13,898 | 25,536 | 44,578 | 50,778 | 61,778 | 73,178 | 84,878 | 340,726 |
| - Regional Street Renewal | 29,538 | 28,800 | 41,338 | 47,538 | 49,538 | 51,538 | 53,638 | 272,390 |
| - Economic Development Investment | 3,741 | | | | | | | |
| Interim Financing / (Repayment) | (4,095) | (4,513) | (1,110) | 129 | | (600) | | (6,094) |
| Contributions from Other Levels of Government: | | | | | | | | |
| - Federal Gas Tax | 58,682 | 53,958 | 52,889 | 49,988 | 50,415 | 48,440 | 48,420 | 304,110 |
| - Transfer from Prior Year Authorization - Federal Gas Tax | 1,132 | | | | | | | |
| - Federal New Building Canada Fund | 12,000 | 25,000 | 26,000 | 24,000 | 13,000 | | | 88,000 |
| - Veterans Affairs Canada | 700 | 800 | 700 | 150 | | | | 1,650 |
| - Public Transit Infrastructure Fund (Federal Government) | 3,402 | | | | | | | |
| - Public Transit Infrastructure Fund (Provincial Government) | 438 | | | | | | | |
| - Province of Manitoba Accelerated Regional Roads | 17,000 | 15,000 | 29,100 | 29,100 | 9,800 | | | 83,000 |
| - Shared Health Capital Grant | 1,877 | 1,471 | 989 | 520 | 270 | 220 | 100 | 3,570 |
| Other Funders: | | | | | | | | |
| - Developer Funding / Developer Capacity Charges | | 2,586 | 500 | 700 | 1,000 | 1,700 | 500 | 6,986 |
| - Sponsorship / Sponsor Winnipeg | 95 | 48 | 48 | 48 | | | | 144 |

| ***CAPITAL PROJECT SUMMARY*** *(in Thousands of $)* | ADOPTED BUDGET | PRELIMINARY CAPITAL | | | | | | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | BUDGET | FORECAST | | | | | |
| | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2020-2025 |
| Retained Earnings - Transit | 6,992 | 5,639 | 1,500 | 1,500 | 1,500 | | | 10,139 |
| Retained Earnings - Self-supporting Utilities | 25,339 | 37,575 | 45,080 | 21,970 | 16,265 | 38,215 | 63,410 | 222,515 |
| Accumulated Surplus (Retained Earnings) - Special Operating Agencies | 1,098 | 1,345 | 1,805 | 967 | 907 | 1,015 | 926 | 6,965 |
| Transfer from Sewage Disposal System Fund | 6,324 | 5,180 | 3,970 | 5,000 | 4,500 | 5,085 | 5,100 | 28,835 |
| External Debt | 38,187 | 56,327 | 20,701 | 32,943 | 16,522 | 5,708 | 1,519 | 133,720 |
| External Debt - Fleet | 22,336 | 15,178 | 15,670 | 15,670 | 15,670 | 15,670 | 15,670 | 93,528 |
| Internal Financing | 34,900 | 1,440 | 1,500 | 1,000 | 500 | | | 4,440 |
| Transfers from Other Capital Accounts / Surplus Capital | 13,118 | 22,441 | 1,171 | 2,232 | 1,373 | 1,955 | 2,438 | 31,610 |
| **TOTAL FINANCING SOURCES** | 367,765 | 369,569 | 362,334 | 362,789 | 329,567 | 337,182 | 390,817 | 2,152,258 |

| *CAPITAL PROJECT SUMMARY* *(in Thousands of $)* | ADOPTED BUDGET | PRELIMINARY CAPITAL | | | | | | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | BUDGET | FORECAST | | | | | |
| | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2020-2025 |
| **FINANCING SOURCES** | | | | | | | | |
| **Tax Supported, Transit and Municipal Accommodations** | | | | | | | | |
| Cash to Capital | 21,260 | 22,721 | 22,889 | 21,408 | 21,500 | 20,000 | 20,000 | 128,518 |
| Frontage Levy | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 60,000 |
| Public Private Partnership Annual Service / Financing Payments | (26,357) | (37,404) | (37,761) | (37,901) | (38,201) | (38,636) | (37,355) | (227,258) |
| Reserves: | | | | | | | | |
| - Transit Bus Replacement | | | | | | 10,889 | 12,268 | 23,157 |
| - Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass Payment | 1,780 | 14,460 | 14,720 | 14,760 | 14,880 | 15,190 | 15,280 | 89,290 |
| - Economic Development Investment | 3,741 | | | | | | | |
| - Financial Stabilization | 1,035 | 1,035 | 1,035 | 1,035 | 1,035 | | | 4,140 |
| - Destination Marketing | | 236 | | | | | | 236 |
| - Permit | | 1,215 | 1,947 | 1,019 | | | | 4,181 |
| - Land Operating | 7,370 | 4,515 | 2,915 | 965 | 965 | 3,265 | 965 | 13,590 |
| - Impact Fee | | | | | 7,000 | | | 7,000 |
| - Local Street Renewal | 13,898 | 25,536 | 44,578 | 50,778 | 61,778 | 73,178 | 84,878 | 340,726 |
| - Regional Street Renewal | 29,538 | 28,800 | 41,338 | 47,538 | 49,538 | 51,538 | 53,638 | 272,390 |
| Interim Financing / (Repayment) | (4,095) | (4,513) | (1,110) | 129 | | (600) | | (6,094) |
| Contributions from Other Levels of Government: | | | | | | | | |
| - Federal Gas Tax | 58,682 | 53,958 | 52,889 | 49,988 | 50,415 | 48,440 | 48,420 | 304,110 |
| - Transfer from Prior Year Authorization - Federal Gas Tax | 1,132 | | | | | | | |
| - Federal New Building Canada Fund | 12,000 | 25,000 | 26,000 | 24,000 | 13,000 | | | 88,000 |
| - Veterans Affairs Canada | 700 | 800 | 700 | 150 | | | | 1,650 |
| - Public Transit Infrastructure Fund (Federal Funding) | 3,402 | | | | | | | |
| - Public Transit Infrastructure Fund (Provincial Funding) | 438 | | | | | | | |
| - Province of Manitoba Accelerated Regional Roads | 17,000 | 15,000 | 29,100 | 29,100 | 9,800 | | | 83,000 |
| - Shared Health Capital Grant | 1,877 | 1,471 | 989 | 520 | 270 | 220 | 100 | 3,570 |

| ***CAPITAL PROJECT SUMMARY*** *(in Thousands of $)* | ADOPTED BUDGET | PRELIMINARY CAPITAL | | | | | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|
| | | BUDGET | FORECAST | | | | |
| | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2020-2025 |
| Other Funders: | | | | | | | | |
| - Developer Funding / Developer Capacity Charges | | 2,586 | | | | | | 2,586 |
| - Sponsorship / Sponsor Winnipeg | 95 | 48 | 48 | 48 | | | | 144 |
| External Debt | 38,187 | 56,327 | 20,701 | 30,443 | 16,522 | 5,708 | 1,519 | 131,220 |
| Internal Financing | 34,900 | 1,440 | 1,500 | 1,000 | 500 | | | 4,440 |
| Retained Earnings - Transit | 6,992 | 5,639 | 1,500 | 1,500 | 1,500 | | | 10,139 |
| Transfers from Other Capital Accounts / Surplus Capital | 10,747 | 8,261 | 1,171 | 2,232 | 1,373 | 1,955 | 2,438 | 17,430 |
| **Total Tax Supported, Transit and Municipal Accommodations** | 244,322 | 237,131 | 235,149 | 248,712 | 221,875 | 201,147 | 212,151 | 1,356,165 |
| **Self-Supporting Utilities** | | | | | | | | |
| Reserves: | | | | | | | | |
| - Sewer System Rehabilitation | 17,500 | 7,000 | 17,500 | 18,000 | 18,500 | 21,000 | 21,000 | 103,000 |
| - Water Meter Renewal | | | | | | | 16,000 | 16,000 |
| - Water Main Renewal | 16,500 | 17,500 | 18,000 | 18,500 | 19,000 | 20,000 | 20,500 | 113,500 |
| - Environmental Projects | 31,100 | 31,610 | 23,110 | 29,120 | 30,000 | 32,000 | 34,160 | 180,000 |
| - Landfill Rehabilitation | 875 | 970 | 1,550 | 1,400 | 1,400 | 1,350 | 1,400 | 8,070 |
| - Waste Diversion | | 1,800 | | 250 | 450 | | | 2,500 |
| Retained Earnings - Self-supporting Utilities | 25,339 | 37,575 | 45,080 | 21,970 | 16,265 | 38,215 | 63,410 | 222,515 |
| Transfer from Sewage Disposal System Fund | 6,324 | 5,180 | 3,970 | 5,000 | 4,500 | 5,085 | 5,100 | 28,835 |
| Developer Funding / Developer Capacity Charges | | | 500 | 700 | 1,000 | 1,700 | 500 | 4,400 |
| External Debt | | | | 2,500 | | | | 2,500 |
| Transfers from Other Capital Accounts | 2,371 | 14,180 | | | | | | 14,180 |
| **Total Self-Supporting Utilities** | 100,009 | 115,815 | 109,710 | 97,440 | 91,115 | 119,350 | 162,070 | 695,500 |
| **Special Operating Agencies** | | | | | | | | |
| Destination Marketing Reserve | | 100 | | | | | | 100 |
| Accumulated Surplus (Retained Earnings) | 1,098 | 1,345 | 1,805 | 967 | 907 | 1,015 | 926 | 6,965 |
| External Debt - Fleet | 22,336 | 15,178 | 15,670 | 15,670 | 15,670 | 15,670 | 15,670 | 93,528 |
| **Total Special Operating Agencies** | 23,434 | 16,623 | 17,475 | 16,637 | 16,577 | 16,685 | 16,596 | 100,593 |
| **TOTAL FINANCING SOURCES** | 367,765 | 369,569 | 362,334 | 362,789 | 329,567 | 337,182 | 390,817 | 2,152,258 |

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| *CAPITAL PROJECT SUMMARY* *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| **CAPITAL PROJECTS LISTING** | | | | | | | | | |
| **PUBLIC WORKS** | | | | | | | | | |
| ***Active Transportation Facilities*** | | | | | | | | | |
| Pedestrian and Cycling Program | | | | | | | | | |
| - Cash to Capital | | | 1,178 | 1,314 | 673 | 190 | 251 | 283 | 3,889 |
| - Interim Financing from General Capital Fund / (Repayment) - Council authorized $3.850 million in 2017 for Chief Peguis Trail - Kildonan Settlers Bridge Pedestrian and Cycling Improvements (Council September 27, 2017) | | | (2,365) | (1,062) | (423) | | | | (3,850) |
| - Federal Gas Tax | | 1,743 | 2,874 | 1,600 | 1,400 | 1,400 | 1,400 | 1,400 | 10,074 |
| - Internal Financing | | 957 | | | | | | | |
| - Transfer from Corporate Non-specified Capital Account | | | 1,807 | | | | | | 1,807 |
| - Transfer from Prior Year Authorization | | 324 | 128 | | | | | | 128 |
| Total Pedestrian and Cycling Program | 2-1 | 3,024 | 3,622 | 1,852 | 1,650 | 1,590 | 1,651 | 1,683 | 12,048 |
| Tache Promenade | | | | | | | | | |
| - Cash to Capital | | | 1,000 | | | | | | 1,000 |
| - Interim Financing from General Capital Fund / (Repayment) | | | (1,000) | | | | | | (1,000) |
| Total Tache Promenade | 2-5 | | | | | | | | |
| **Total Active Transportation Facilities** | | 3,024 | 3,622 | 1,852 | 1,650 | 1,590 | 1,651 | 1,683 | 12,048 |
| ***Street Improvements*** | | | | | | | | | |
| Developer Payback - Various Locations | | | | | | | | | |
| - Cash to Capital | | | 250 | | | | | | 250 |
| - Federal Gas Tax | | | 9,500 | | | | | | 9,500 |
| Total Developer Payback - Various Locations | 2-6 | | 9,750 | | | | | | 9,750 |
| Tuxedo Yards Development | | | | | | | | | |
| - Economic Development Investment Reserve | | 3,741 | | | | | | | |
| Transportation Master Plan | | | | | | | | | |
| - Cash to Capital | | 250 | 30 | 10 | 20 | | | | 60 |
| - Federal Gas Tax | | | 845 | 115 | 230 | | | | 1,190 |
| Total Transportation Master Plan | 2-7 | 250 | 875 | 125 | 250 | | | | 1,250 |
| Traffic Signals Improvements | | | | | | | | | |
| - Frontage Levy | | | 688 | | | | | | 688 |
| - Internal Financing | | 1,030 | | | | | | | |
| Total Traffic Signals Improvements | 2-8 | 1,030 | 688 | | | | | | 688 |

| ***CAPITAL PROJECT SUMMARY*** *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| Traffic Signals Loops | | | | | | | | | |
| - Cash to Capital | | 250 | | | | | | | |
| - Frontage Levy | | | 250 | 250 | 250 | 250 | 250 | 250 | 1,500 |
| Total Traffic Signals Loops | 2-9 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 1,500 |
| Permanent Traffic Monitoring Stations | | | | | | | | | |
| - Cash to Capital | | 445 | | | | | | | |
| - Internal Financing | | 500 | | | | | | | |
| - Frontage Levy | | | 623 | | | | | | 623 |
| Total Permanent Traffic Monitoring Stations | 2-10 | 945 | 623 | | | | | | 623 |
| Traffic Engineering Improvements - Various Locations | | | | | | | | | |
| - Frontage Levy | | | 1,900 | 1,560 | 1,177 | 1,119 | 1,200 | 1,229 | 8,185 |
| - Internal Financing | | 1,575 | | | | | | | |
| Total Traffic Engineering Improvements - Various Locations | 2-11 | 1,575 | 1,900 | 1,560 | 1,177 | 1,119 | 1,200 | 1,229 | 8,185 |
| Inner-Ring Road - Functional Design | | | | | | | | | |
| - Federal Gas Tax | 2-12 | | | | | | 551 | | 551 |
| Marion Street Improvements - Functional Design Study | | | | | | | | | |
| - Transfer from Prior Year Authorization | | 917 | | | | | | | |
| **Total Street Improvements** | | 8,708 | 14,086 | 1,935 | 1,677 | 1,369 | 2,001 | 1,479 | 22,547 |
| Regional and Local Street Renewal - Council has authorized first charges of $28.286 million (Council March 20, 2019), $500,000 (Council September 26, 2019), and $37.750 million (Council December 12, 2019) for a total of $66.536 million in 2019 or prior to the adoption of the 2020 capital budget. See page 2-13 for a detailed listing of the first charge authorizations. | | | | | | | | | |
| - Frontage Levy | | | 269 | 2,677 | | | | | 2,946 |
| - Federal New Building Canada Fund (Regional) | | 12,000 | 25,000 | 26,000 | 24,000 | 13,000 | | | 88,000 |
| - Federal Gas Tax (Local) | | 12,000 | 8,314 | 7,323 | 12,000 | 1,885 | | 5,588 | 35,110 |
| - Province of Manitoba Accelerated Regional Roads | | 17,000 | 15,000 | 29,100 | 29,100 | 9,800 | | | 83,000 |
| - Local Street Renewal Reserve | | 33,898 | 38,998 | 44,578 | 50,778 | 61,778 | 73,178 | 84,878 | 354,188 |
| - Regional Street Renewal Reserve | | 29,538 | 35,338 | 41,338 | 45,538 | 49,538 | 50,917 | 53,638 | 276,307 |
| - Reduction from the Regional and Local Street Renewal Reserves due to Province of Manitoba 2018 Roads Funding Shortfall | | (20,000) | (20,000) | | | | | | (20,000) |
| - External Debt | | | 22,817 | | | | | | 22,817 |
| - Interim Financing from General Capital Fund / (Repayment) - Council authorized $4 million in 2017 for Protected Bike Lanes: Chevrier Boulevard & Waverley Pathway Connection (Council September 27,2017) | | (4,000) | | | | | | | |
| - Prior Year Surplus | | 6,000 | 2,000 | | | | | | 2,000 |
| - Developer Funding | | | 2,586 | | | | | | 2,586 |
| **Total Regional and Local Street Renewal** | 2-13 | 86,436 | 130,322 | 151,016 | 161,416 | 136,001 | 124,095 | 144,104 | 846,954 |

| *CAPITAL PROJECT SUMMARY* *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| ***Waterway Crossings and Grade Separations*** | | | | | | | | | |
| Fermor Avenue Bridge (Seine River) | | | | | | | | | |
| - Cash to Capital | | **250** | | | | | | | |
| - Frontage Levy | | **4,350** | | | | | | | |
| Total Fermor Avenue Bridge (Seine River) | | **4,600** | | | | | | | |
| Osborne Street Underpass | | | | | | | | | |
| - Frontage Levy | | | | | | | | **500** | **500** |
| - Federal Gas Tax | | | | | | | | **600** | **600** |
| Total Osborne Street Underpass | 2-24 | | | | | | | **1,100** | **1,100** |
| Dublin Avenue Bridge (Omand's Creek) - First charge against the 2020 Capital Budget of up to $3.3 million (Council March 20, 2019) | | | | | | | | | |
| - Frontage Levy | 2-25 | **700** | **3,300** | | | | | | **3,300** |
| Sherwin Road Bridge (Omand's Creek) | | | | | | | | | |
| - Frontage Levy | | **700** | | | | | | | |
| Pembina Highway Overpass (Bishop Grandin) Rehabilitation | | | | | | | | | |
| - Frontage Levy | | | | | | **500** | **500** | **5,021** | **6,021** |
| - Regional Street Renewal Reserve | | | | | | | **621** | | **621** |
| - Federal Gas Tax | | | | | | **500** | **879** | **12,379** | **13,758** |
| Total Pembina Highway Overpass (Bishop Grandin) Rehabilitation | 2-26 | | | | | **1,000** | **2,000** | **17,400** | **20,400** |
| Kenaston/Route 90 Widening and St. James Bridges | | | | | | | | | |
| - Frontage Levy | | **2,163** | | | | | | | |
| St. Vital Bridge Rehabilitation | | | | | | | | | |
| - Frontage Levy | | | | **2,000** | **4,573** | **4,631** | **4,550** | | **15,754** |
| - Regional Street Renewal Reserve | | | | | **1,639** | | | | **1,639** |
| - Federal Gas Tax | | | | | | **8,969** | **14,650** | | **23,619** |
| Total St. Vital Bridge Rehabilitation | 2-27 | | | **2,000** | **6,212** | **13,600** | **19,200** | | **41,012** |
| Lagimodiere Twin Overpasses Rehabilitation (Concordia Avenue & CPR Keewatin) | | | | | | | | | |
| - Frontage Levy | | | | | **1,000** | **500** | **500** | | **2,000** |
| - Regional Street Renewal Reserve | | | | | **361** | | | | **361** |
| - Federal Gas Tax | | | | | **639** | **1,500** | **1,500** | | **3,639** |
| Total Lagimodiere Twin Overpasses Rehabilitation (Concordia Avenue & CPR Keewatin) | 2-28 | | | | **2,000** | **2,000** | **2,000** | | **6,000** |
| Waterway Crossing and Grade Separations - Annual Program | | | | | | | | | |
| - Frontage Levy | | **2,087** | **2,970** | **3,513** | **3,000** | **3,000** | **3,000** | **3,000** | **18,483** |
| - Internal Financing | | **913** | | | | | | | |
| Total Waterway Crossing and Grade Separations - Annual Program | 2-29 | **3,000** | **2,970** | **3,513** | **3,000** | **3,000** | **3,000** | **3,000** | **18,483** |

| ***CAPITAL PROJECT SUMMARY*** *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| Disraeli Bridge and Overpass Facility | | | | | | | | | |
| - Cash to Capital | | **662** | **650** | **348** | **600** | **600** | **600** | **600** | **3,398** |
| - Federal Gas Tax | | **14,118** | **12,467** | **12,822** | **12,625** | **12,725** | **12,737** | **12,795** | **76,171** |
| - Public Private Partnership Annual Service / Financing Payments | | **(11,873)** | **(11,931)** | **(11,984)** | **(12,039)** | **(12,139)** | **(12,151)** | **(12,209)** | **(72,453)** |
| - Debt servicing - repayment of debt | | **(2,907)** | **(1,186)** | **(1,186)** | **(1,186)** | **(1,186)** | **(1,186)** | **(1,186)** | **(7,116)** |
| Total Disraeli Bridge and Overpass Facility | 2-30 | | | | | | | | |
| Charleswood Bridge | | | | | | | | | |
| - Cash to Capital | | **1,478** | **1,478** | **1,478** | **1,478** | **1,478** | **1,478** | | **7,390** |
| - Public Private Partnership Lease Payments | | **(1,478)** | **(1,478)** | **(1,478)** | **(1,478)** | **(1,478)** | **(1,478)** | | **(7,390)** |
| Total Charleswood Bridge | 2-32 | | | | | | | | |
| **Total Waterway Crossings and Grade Separations** | | **11,163** | **6,270** | **5,513** | **11,212** | **19,600** | **26,200** | **21,500** | **90,295** |
| ***New Transportation Facilities*** | | | | | | | | | |
| Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard | | | | | | | | | |
| - Cash to Capital | | **1,193** | **1,250** | **600** | **616** | **600** | **600** | **600** | **4,266** |
| - Federal Gas Tax | | **6,070** | **6,043** | **6,737** | **6,766** | **6,829** | **6,876** | **6,925** | **40,176** |
| - Public Private Partnership Annual Service / Financing Payments | | **(6,284)** | **(6,314)** | **(6,358)** | **(6,403)** | **(6,450)** | **(6,497)** | **(6,546)** | **(38,568)** |
| - Debt servicing - repayment of debt | | **(979)** | **(979)** | **(979)** | **(979)** | **(979)** | **(979)** | **(979)** | **(5,874)** |
| Total Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard | 2-33 | | | | | | | | |
| **Total New Transportation Facilities** | | | | | | | | | |
| ***Other Streets Projects*** | | | | | | | | | |
| Work Management / Asset Management Systems Study | | **300** | | | | | | | |
| Asset Management System - Various Divisions | | | | | | | | | |
| - Cash to Capital | | **100** | **75** | **75** | **75** | **75** | **75** | **75** | **450** |
| - Federal Gas Tax | | | **25** | **25** | **25** | **25** | **25** | **25** | **150** |
| Total Asset Management System - Various Divisions | 2-35 | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **600** |
| Land Acquisition - Transportation Right of Way | | | | | | | | | |
| - Cash to Capital | | | **950** | | | | | | **950** |
| - Transfer from Prior Year Authorization | | | **230** | | | | | | **230** |
| Total Land Acquisition - Transportation Right of Way | 2-36 | | **1,180** | | | | | | **1,180** |
| **Total Other Streets Projects** | | **400** | **1,280** | **100** | **100** | **100** | **100** | **100** | **1,780** |
| **TOTAL STREETS PROJECTS** | | **109,731** | **155,580** | **160,416** | **176,055** | **158,660** | **154,047** | **168,866** | **973,624** |

| *CAPITAL PROJECT SUMMARY* *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| ***Parks and Open Space*** | | | | | | | | | |
| Reforestation - Improvements | | | | | | | | | |
| - Cash to Capital | | 383 | 50 | 383 | | 83 | 383 | 383 | 1,282 |
| - Federal Gas Tax | | | | | 383 | 300 | | | 683 |
| - External Debt | | | 333 | | | | | | 333 |
| Total Reforestation - Improvements | 2-37 | 383 | 383 | 383 | 383 | 383 | 383 | 383 | 2,298 |
| Athletic Fields - Improvements | | | | | | | | | |
| - Federal Gas Tax / Surplus | | 350 | | | | | | | |
| Community and Neighbourhood Parks - Existing | | 170 | | | | | | | |
| Regional Parks | | | | | | | | | |
| - Cash to Capital | | | | 337 | | 41 | | | 378 |
| - Federal Gas Tax | | | | 600 | | 1,423 | | | 2,023 |
| - External Debt | | | | 238 | | | | | 238 |
| Total Regional Parks | 2-38 | | | 1,175 | | 1,464 | | | 2,639 |
| Parks Buildings | | | | | | | | | |
| - Federal Gas Tax | | 350 | | 2,642 | | | | | 2,642 |
| - External Debt | | | | 378 | | | | | 378 |
| Total Parks Buildings | 2-39 | 350 | | 3,020 | | | | | 3,020 |
| Parks and Recreation Enhancement Program | | | | | | | | | |
| - Cash to Capital | | | 1,464 | | | 281 | 300 | 300 | 2,345 |
| - Federal Gas Tax | | | 1,089 | 1,716 | 1,890 | 1,450 | | | 6,145 |
| - External Debt | | | | 384 | | | | | 384 |
| - Internal Financing | | 3,300 | | | | | | | |
| Total Parks and Recreation Enhancement Program | 2-40 | 3,300 | 2,553 | 2,100 | 1,890 | 1,731 | 300 | 300 | 8,874 |
| Rainbow Stage | 2-42 | | | 1,500 | 1,500 | | | | 3,000 |
| Urban Forest Enhancement Program | | | | | | | | | |
| - Cash to Capital | | | 959 | | | 400 | 205 | 2,553 | 4,117 |
| - Federal Gas Tax | | | 4,432 | 5,751 | 5,800 | 5,400 | 573 | 1,077 | 23,033 |
| - External Debt | | 4,100 | | 49 | | | 584 | | 633 |
| - Interim Financing from General Capital Fund / (Repayment) | | | (1,100) | | | | | | (1,100) |
| - Transfer from Corporate Non-specified Capital Account | | | 1,868 | | | | | | 1,868 |
| Total Urban Forest Enhancement Program | 2-43 | 4,100 | 6,159 | 5,800 | 5,800 | 5,800 | 1,362 | 3,630 | 28,551 |
| **Total Parks and Open Space** | | 8,653 | 9,095 | 13,978 | 9,573 | 9,378 | 2,045 | 4,313 | 45,382 |
| **TOTAL PUBLIC WORKS** | | 118,384 | 164,675 | 174,394 | 185,628 | 168,038 | 156,092 | 173,179 | 1,022,006 |

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| *CAPITAL PROJECT SUMMARY* *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| **COMMUNITY SERVICES** | | | | | | | | | |
| Library Facility Safety, Security and Accessibility Improvements Program | | | | | | | | | |
| - Cash to Capital | | 162 | | | | | | | |
| - Federal Gas Tax | | | | | 100 | | | | 100 |
| - External Debt | | | | 150 | | | | | 150 |
| - Transfer from Prior Year Authorization | | | | | | | 200 | | 200 |
| Total Library Facility Safety, Security and Accessibility Improvements Program | 2-44 | 162 | | 150 | 100 | | 200 | | 450 |
| Library Refurbishment & Interior Infrastructure Program | | | | | | | | | |
| - Cash to Capital | | 18 | | | | | | | |
| - Federal Gas Tax | | | | 150 | | | 299 | | 449 |
| - External Debt | | 465 | | | | | | | |
| - Transfer from Prior Year Authorization | | | | | | | 351 | | 351 |
| Total Library Refurbishment & Interior Infrastructure Program | 2-45 | 483 | | 150 | | | 650 | | 800 |
| Library Technology Upgrade and Replacement Program | | | | | | | | | |
| - Cash to Capital | | 350 | | | | 317 | | 350 | 667 |
| - Federal Gas Tax | | | | | | 8 | | | 8 |
| - External Debt | | | 67 | | | | | | 67 |
| - Transfer from Prior Year Authorization | | | 116 | | | | | | 116 |
| Total Library Technology Upgrade and Replacement Program | 2-46 | 350 | 183 | | | 325 | | 350 | 858 |
| West Kildonan GoLibrary | | | | | | | | | |
| - Federal Gas Tax | 2-47 | | 242 | | | | | | 242 |
| Library Facility Redevelopment - Bill and Helen Norrie Library | | | | | | | | | |
| - External Debt | | 3,570 | | | | | | | |
| Library Facility Redevelopment - St. James Library | | | | | | | | | |
| - External Debt | | 100 | | | | | | | |
| Library Facility Redevelopment - West Kildonan Library and GoLibrary - Old Kildonan Community | | | | | | | | | |
| - External Debt | | 242 | | | | | | | |
| Recreational Facility Safety, Security and Accessibility Improvements Program | | | | | | | | | |
| - Cash to Capital | | 13 | | | | | | 190 | 190 |
| - Federal Gas Tax | | 162 | | 73 | | 150 | 108 | | 331 |
| - External Debt | | | | 50 | | | | | 50 |
| - Transfer from Prior Year Authorization | | | | 112 | 130 | | 171 | | 413 |
| Total Recreational Facility Safety, Security and Accessibility Improvements Program | 2-48 | 175 | | 235 | 130 | 150 | 279 | 190 | 984 |

| ***CAPITAL PROJECT SUMMARY*** *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| Fitness Equipment Upgrade Program | | | | | | | | | |
| - Cash to Capital | | 248 | | | | | | 326 | 326 |
| - Federal Gas Tax | | | 285 | 300 | 295 | 178 | 255 | 4 | 1,317 |
| - Transfer from Prior Year Authorization | | | | | | 132 | 65 | | 197 |
| Total Fitness Equipment Upgrade Program | 2-49 | 248 | 285 | 300 | 295 | 310 | 320 | 330 | 1,840 |
| Recreation and Leisure Infrastructure Renewal | | 100 | | | | | | | |
| St. James Civic Centre - Facility Renewal (formerly St. James Civic Centre - Facility Renewal and Expansion) - First charge against the 2020 Capital Budget of up to $3.7 million (Council October 24, 2019) | | | | | | | | | |
| - Federal Gas Tax | | | 1,400 | | | | | | 1,400 |
| - External Debt | | 2,405 | 2,300 | | | | | | 2,300 |
| Total St. James Civic Centre - Facility Renewal | 2-50 | 2,405 | 3,700 | | | | | | 3,700 |
| St. James Community Recreation Amenities | | | | | | | | | |
| - Land Operating Reserve | 2-51 | | 1,400 | | | | | | 1,400 |
| New Recreation Facility - South Winnipeg | | | | | | | | | |
| - Federal Gas Tax / Surplus | | 1,750 | | | | | | | |
| Grant Park Recreation Campus | | | | | | | | | |
| - Cash to Capital | | 772 | | | | | | | |
| - Internal Financing | | 978 | | | | | | | |
| Total Grant Park Recreation Campus | | 1,750 | | | | | | | |
| East of the Red RecPlex | 2-52 | | | | | | | 1,000 | 1,000 |
| Seven Oaks Pool - Concrete Restoration and Air Handling Unit Replacement | | | | | | | | | |
| - External Debt | | 990 | | | | | | | |
| - Transfer from Departmental Non-Specified Capital Account | | 163 | | | | | | | |
| - Federal Gas Tax | | 1,086 | | | | | | | |
| Total Seven Oaks Pool - Concrete Restoration and Air Handling Unit Replacement | | 2,239 | | | | | | | |
| Pan Am Pool - Ceiling, Lighting and Public Address and Audio System | | | | | | | | | |
| - Federal Gas Tax | | 2,600 | | | | | | | |
| Repair and Renovation of Pan Am Pool Universal Change Rooms | | | | | | | | | |
| - Federal Gas Tax | 2-53 | | | 940 | | | | | 940 |
| Norwood Pool - Decommissioning | | 150 | | | | | | | |

| ***CAPITAL PROJECT SUMMARY*** *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| Boni-Vital Pool | | | | | | | | | |
| - Cash to Capital | | 42 | | | | | | | |
| - Federal Gas Tax | | | | 5,360 | | | | | 5,360 |
| - External Debt | | 150 | | | | | | | |
| Total Boni-Vital Pool | 2-54 | 192 | | 5,360 | | | | | 5,360 |
| Technology Advancement Program | | | | | | | | | |
| - Cash to Capital | | 312 | | | | | 310 | | 310 |
| - External Debt | | | | 100 | | | | | 100 |
| Total Technology Advancement Program | 2-55 | 312 | | 100 | | | 310 | | 410 |
| Community Centre Renovation Grant Program (CCRGP) | | | | | | | | | |
| - Financial Stabilization Reserve | | 1,035 | 1,035 | 1,035 | 1,035 | 1,035 | | | 4,140 |
| - Land Operating Reserve | | 965 | 965 | 965 | 965 | 965 | 965 | 965 | 5,790 |
| Total Community Centre Renovation Grant Program (CCRGP) | 2-56 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 965 | 965 | 9,930 |
| Community Incentive Grant Program (CIGP) | | | | | | | | | |
| - Cash to Capital | | 1,767 | 1,000 | | | | | | 1,000 |
| - External Debt | | | | 1,000 | 1,000 | | | | 2,000 |
| - Transfer from Prior Year Authorization | | 194 | | | | | | | |
| Total Community Incentive Grant Program (CIGP) | 2-57 | 1,961 | 1,000 | 1,000 | 1,000 | | | | 3,000 |
| Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability | | | | | | | | | |
| - Cash to Capital | | | 2,600 | | | 1,638 | 1,690 | 2,000 | 7,928 |
| - External Debt | | 5,123 | 2,000 | 2,000 | 1,000 | 45 | | | 5,045 |
| - Federal Gas Tax | | | | | 1,000 | | | | 1,000 |
| - Transfer from Prior Year Authorization | | | | | | 317 | 310 | | 627 |
| Total Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability | 2-58 | 5,123 | 4,600 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 14,600 |
| Assiniboine Park Conservancy (APC) - Capital Development Plan | | | | | | | | | |
| - External Debt | | 4,728 | | | | | | | |
| Millennium Library Community Connections Space | | | | | | | | | |
| - Destination Marketing Reserve | 2-59 | | 236 | | | | | | 236 |
| **TOTAL COMMUNITY SERVICES** | | 30,640 | 13,646 | 12,235 | 5,525 | 4,785 | 4,724 | 4,835 | 45,750 |

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| *CAPITAL PROJECT SUMMARY* *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| **WINNIPEG POLICE SERVICE** | | | | | | | | | |
| East District Police Station | | | | | | | | | |
| - Cash to Capital | | 1,056 | 1,056 | 1,056 | 1,056 | 1,089 | 1,155 | 1,155 | 6,567 |
| - Public Private Partnership Lease Payments | | (1,056) | (1,056) | (1,056) | (1,056) | (1,089) | (1,155) | (1,155) | (6,567) |
| Total East District Police Station | 2-60 | | | | | | | | |
| Major Case Management System | | | | | | | | | |
| - Transfer from Prior Year Authorization | | 1,158 | | | | | | | |
| Police Divisions Systems Upgrades | | 400 | | | | | | | |
| Evidence Archival Building - Tenant Improvement | | | | | | | | | |
| - External Debt | 2-61 | 500 | 500 | | | | | | 500 |
| Technology Upgrades - Information Systems | 2-62 | 1,200 | | | | | 1,325 | 112 | 1,437 |
| North Station Information Technology Requirements | 2-63 | 300 | | 190 | | | | | 190 |
| In Car Computing | 2-64 | 1,000 | 500 | | | | | 1,736 | 2,236 |
| Evidence Archive Building - Racking System | | | | | | | | | |
| - External Debt | 2-65 | | 841 | | | | | | 841 |
| North District Station - Furniture, Fixtures, and Equipment | 2-66 | | | 700 | | | | | 700 |
| Computer Assisted Dispatch Upgrade | 2-67 | | 325 | | | 375 | | | 700 |
| Next Generation 911 | 2-68 | | 800 | 1,000 | | | | | 1,800 |
| Automated Fingerprint Identification System (AFIS) | 2-69 | | | 500 | | | | | 500 |
| Police Headquarters Information System Upgrades | 2-70 | | | 2,100 | | | | | 2,100 |
| Schedule and Management System Upgrade | 2-71 | | | 500 | | | | | 500 |
| Technological Crime Infrastructure | 2-72 | | | | | | 380 | | 380 |
| Building Security System Evergreening | 2-73 | | | | | 159 | | | 159 |
| Flight Operations Overhaul | 2-74 | | | | 602 | | | | 602 |
| Flight Operations - Forward Looking Infra-Red (FLIR) Equipment | 2-75 | | | | 792 | | | | 792 |
| Technical Surveillance Systems | 2-76 | | | | 400 | | | | 400 |
| Communication Sites Upgrade - Audio Loggers | 2-77 | | | | 1,453 | | | | 1,453 |
| Call Answer Software | 2-78 | | | | | 1,000 | | | 1,000 |
| Communication Sites - Radio Consoles/Batteries | 2-79 | | | | | | 575 | | 575 |
| E-ticketing Hardware | 2-80 | | | | | | 375 | | 375 |
| Indoor Firing Range | 2-81 | | | | | 150 | | | 150 |
| Active Shooter Response Training Facility | 2-82 | | | | | 150 | | | 150 |
| Vehicle Inspections - Weigh Scale | 2-83 | | | | | | | 250 | 250 |
| Police Vehicle Operations - Facility | 2-84 | | | | 1,800 | 1,200 | | | 3,000 |
| **TOTAL WINNIPEG POLICE SERVICE** | | 4,558 | 2,966 | 4,990 | 5,047 | 3,034 | 2,655 | 2,098 | 20,790 |

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| ***CAPITAL PROJECT SUMMARY*** *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| **FIRE PARAMEDIC SERVICE** | | | | | | | | | |
| Facility Optimization - St. Boniface Industrial Area and Windsor Park Station Consolidation | | | | | | | | | |
| - External Debt | | | | | 12,839 | | | | 12,839 |
| - Interim Financing from Land Operating Reserve / (Repayment) | | | | | 600 | | (600) | | |
| - Land Operating Reserve | | | | | | | 600 | | 600 |
| Total Facility Optimization - St. Boniface Industrial Area and Windsor Park Station Consolidation | 2-85 | | | | 13,439 | | | | 13,439 |
| Facility Optimization - Waverley West Station | | | | | | | | | |
| - External Debt | | | 1,192 | | | 3,927 | | | 5,119 |
| - Impact Fee Reserve | | | | | | 7,000 | | | 7,000 |
| Total Facility Optimization - Waverley West Station | 2-86 | | 1,192 | | | 10,927 | | | 12,119 |
| Equipment Obsolescence | | | | | | | | | |
| - External Debt | | | 4,501 | 304 | 1,963 | 106 | 120 | 26 | 7,020 |
| - Shared Health Capital Grant | | 1,014 | 731 | 739 | 520 | 270 | 220 | 100 | 2,580 |
| - External Debt on behalf of Shared Health | | | | | 1,369 | 465 | 677 | 1,012 | 3,523 |
| - Internal Financing | | 399 | | | | | | | |
| Total Equipment Obsolescence | 2-87 | 1,413 | 5,232 | 1,043 | 3,852 | 841 | 1,017 | 1,138 | 13,123 |
| Station Capital Maintenance | | | | | | | | | |
| - External Debt | | | 1,504 | 610 | | | 158 | | 2,272 |
| - Shared Health Capital Grant | | 519 | 633 | 250 | | | | | 883 |
| - External Debt on behalf of Shared Health | | | 2,444 | 511 | 101 | 601 | 493 | 481 | 4,631 |
| - Internal Financing | | 2,148 | | | | | | | |
| - Transfer from Prior Year Authorization | | 780 | | | | | | | |
| Total Station Capital Maintenance | 2-89 | 3,447 | 4,581 | 1,371 | 101 | 601 | 651 | 481 | 7,786 |
| Emergency Medical Services (EMS) Training Equipment | | | | | | | | | |
| - Shared Health Capital Grant | 2-91 | | 107 | | | | | | 107 |
| Computer Aided Dispatch (CAD) and Supporting Software Systems | | | | | | | | | |
| - Shared Health Capital Grant | | 344 | | | | | | | |
| - Internal Financing | | 10,881 | | | | | | | |
| Total Computer Aided Dispatch (CAD) and Supporting Software Systems | | 11,225 | | | | | | | |
| **TOTAL FIRE PARAMEDIC SERVICE** | | 16,085 | 11,112 | 2,414 | 17,392 | 12,369 | 1,668 | 1,619 | 46,574 |

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| *CAPITAL PROJECT SUMMARY* *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| **PLANNING, PROPERTY AND DEVELOPMENT** | | | | | | | | | |
| Computer Automation | 2-92 | 133 | 106 | 100 | | | 100 | | 306 |
| Riverbank Greenway Programs | | 205 | | | | | | | |
| Cemeteries - Improvements | | | | | | | | | |
| - Cash to Capital | | 240 | 248 | 236 | | | | | 484 |
| - Veterans Affairs Canada | | 700 | 800 | 700 | 150 | | | | 1,650 |
| Total Cemeteries - Improvements | 2-93 | 940 | 1,048 | 936 | 150 | | | | 2,134 |
| Downtown Enhancement Program | | | | | | | | | |
| - Cash to Capital | | | | | 100 | 228 | 237 | 151 | 716 |
| - Internal Financing | | 333 | | | | | | | |
| Total Downtown Enhancement Program | 2-94 | 333 | | | 100 | 228 | 237 | 151 | 716 |
| BIZ Zones, Image Routes and Neighbourhood Main Streets | | | | | | | | | |
| - Cash to Capital | | | 352 | | 126 | | | 151 | 629 |
| - Internal Financing | | 332 | | | | | | | |
| Total BIZ Zones, Image Routes and Neighbourhood Main Streets | 2-96 | 332 | 352 | | 126 | | | 151 | 629 |
| Public Art Strategy | 2-97 | 250 | 200 | | | | | | 200 |
| Developer Payback | 2-98 | 292 | | 137 | 100 | | | | 237 |
| Riverbank Stabilization - Physical Asset Protection | | | | | | | | | |
| - Cash to Capital | | | 500 | 100 | | | | | 600 |
| - External Debt | | 500 | | | | | | | |
| - Transfer from Prior Year Authorization | | | 1,641 | | | | | | 1,641 |
| Total Riverbank Stabilization - Physical Asset Protection | 2-99 | 500 | 2,141 | 100 | | | | | 2,241 |
| Golf Lands Repurposing Review and Recreation Amenities (formerly Golf Course Amenities) | 2-101 | | 1,000 | | | | | | 1,000 |
| Digital Permitting | | | | | | | | | |
| - Permit Reserve | 2-102 | | 1,215 | 1,947 | 1,019 | | | | 4,181 |
| **TOTAL PLANNING, PROPERTY AND DEVELOPMENT** | | 2,985 | 6,062 | 3,220 | 1,495 | 228 | 337 | 302 | 11,644 |

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| *CAPITAL PROJECT SUMMARY* *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| **MUNICIPAL ACCOMMODATIONS** | | | | | | | | | |
| General Building Renovation and Refurbishing | | **180** | | | | | | | |
| Public Safety Building and Civic Centre Parkade | | | | | | | | | |
| - Transfer from Winnipeg Parking Authority SOA (Proceeds from sale of Winnipeg Square Parkade held in Land Operating Reserve) | | **4,405** | | | | | | | |
| - External Debt | | **6,055** | | | | | | | |
| Total Public Safety Building and Civic Centre Parkade | | **10,460** | | | | | | | |
| Accommodation Facilities | | | | | | | | | |
| - Cash to Capital | | **19** | | | | | | | |
| - Land Operating Reserve | | **2,000** | | | | | | | |
| Total Accommodation Facilities | | **2,019** | | | | | | | |
| Fire / Life Safety / Regulatory Upgrades | | | | | | | | | |
| - Cash to Capital | | **45** | | | | | | | |
| - Internal Financing | | **759** | | | | | | | |
| Total Fire / Life Safety / Regulatory Upgrades | | **804** | | | | | | | |
| Energy Conservation | | **158** | | | | | | | |
| Historic Buildings | | | | | | | | | |
| - Internal Financing | | **214** | | | | | | | |
| Generator Set Replacement and Upgrades | | | | | | | | | |
| - Internal Financing | | **113** | | | | | | | |
| Security / Building Automation System Initiatives | | | | | | | | | |
| - Cash to Capital | | **215** | | | | | | | |
| - Internal Financing | | **255** | | | | | | | |
| Total Security / Building Automation System Initiatives | | **470** | | | | | | | |
| Community Centres - Refurbishing and Improvements | | | | | | | | | |
| - Federal Gas Tax / Surplus | | **299** | | | | | | | |
| - Internal Financing | | **374** | | | | | | | |
| Total Community Centres - Refurbishing and Improvements | | **673** | | | | | | | |
| Arenas | | | | | | | | | |
| - Internal Financing | | **525** | | | | | | | |
| Indoor Aquatic Facilities | | | | | | | | | |
| - Cash to Capital | | **408** | | | | | | | |
| - Internal Financing | | **1,086** | | | | | | | |
| - Transfer from Prior Year Authorization | | **111** | | | | | | | |
| Total Indoor Aquatic Facilities | | **1,605** | | | | | | | |

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| ***CAPITAL PROJECT SUMMARY*** *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| Outdoor Aquatic Facilities | | | | | | | | | |
| - Federal Gas Tax / Surplus | | 169 | | | | | | | |
| Recreation & Leisure Centres | | | | | | | | | |
| - Federal Gas Tax / Surplus | | 106 | | | | | | | |
| Building Asset / Work Management Program | | 175 | | | | | | | |
| UFF - Hockey Pen Light Standard Replacement | | | | | | | | | |
| - Internal Financing | | 100 | | | | | | | |
| City-Wide Accessibility Program | | | | | | | | | |
| - Internal Financing | | 425 | | | | | | | |
| Transcona Centennial Pool | | | | | | | | | |
| - Transfer from Prior Year Authorization | 2-103 | | 100 | | | | | | 100 |
| Sherbrook Pool Reopening | | | | | | | | | |
| - Kinsmen Club of Winnipeg (Sponsor Winnipeg) | | 95 | 48 | 48 | 48 | | | | 144 |
| - Interim Financing from General Capital Fund / (Repayment) | | (95) | (48) | (48) | (48) | | | | (144) |
| Total Sherbrook Pool Reopening | 2-104 | | | | | | | | |
| Strategic Facilities Master Plan | | | | | | | | | |
| - Land Operating Reserve | 2-106 | | 450 | 250 | | | | | 700 |
| Carlton Walkways | | | | | | | | | |
| - External Debt | 2-107 | | 2,344 | | | | | | 2,344 |
| Health/Life Safety/Emergency Systems Refurbishment/City-wide Accessibility | | | | | | | | | |
| - Cash to Capital | | | 113 | 1,122 | 831 | 687 | | 943 | 3,696 |
| - Land Operating Reserve | | | 1,700 | 1,700 | | | 1,700 | | 5,100 |
| - Federal Gas Tax | | | | | 100 | 646 | 960 | | 1,706 |
| - External Debt | | | | 451 | | | | | 451 |
| Total Health/Life Safety/Emergency Systems Refurbishment/City-wide Accessibility | 2-108 | | 1,813 | 3,273 | 931 | 1,333 | 2,660 | 943 | 10,953 |
| **TOTAL MUNICIPAL ACCOMMODATIONS** | | 18,196 | 4,707 | 3,523 | 931 | 1,333 | 2,660 | 943 | 14,097 |
| **CITY CLERKS** | | | | | | | | | |
| Corporate Records Centre | 2-110 | | | | 100 | | | | 100 |
| Election Systems | 2-111 | | | 100 | 110 | | | 100 | 310 |
| Audio / Video Equipment Replacement | 2-112 | | | | | 100 | | | 100 |
| **TOTAL CITY CLERKS** | | | | 100 | 210 | 100 | | 100 | 510 |

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| *CAPITAL PROJECT SUMMARY* (*in Thousands of $*) | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| **INNOVATION, TRANSFORMATION AND TECHNOLOGY** | | | | | | | | | |
| Innovation Strategy | | | | | | | | | |
| - Cash to Capital | | | 500 | | | | | | 500 |
| - Internal Financing | | 1,000 | 500 | 750 | 500 | 250 | | | 2,000 |
| - Transfer from Prior Year Authorization | | | 360 | | | | | | 360 |
| Total Innovation Strategy | 2-113 | 1,000 | 1,360 | 750 | 500 | 250 | | | 2,860 |
| Smart Cities Innovation Program | | | | | | | | | |
| - Cash to Capital | | | 500 | | | | | | 500 |
| - Internal Financing | | 1,000 | 500 | 750 | 500 | 250 | | | 2,000 |
| Total Smart Cities Innovation Program | 2-115 | 1,000 | 1,000 | 750 | 500 | 250 | | | 2,500 |
| Enterprise Computing Initiatives | | | | | | | | | |
| - Cash to Capital | | | | 1,190 | 1,172 | 1,103 | 574 | 1,181 | 5,220 |
| - External Debt | | 1,026 | 1,962 | 901 | | | | | 2,863 |
| - Transfer from Prior Year Authorization | | | | | | | | 775 | 775 |
| Total Enterprise Computing Initiatives | 2-117 | 1,026 | 1,962 | 2,091 | 1,172 | 1,103 | 574 | 1,956 | 8,858 |
| Communications Network Infrastructure | | | | | | | | | |
| - Cash to Capital | | | | | 186 | 243 | 476 | | 905 |
| - External Debt | | | 385 | 301 | | | | | 686 |
| - Transfer from Prior Year Authorization | | | | 94 | 998 | 680 | | 447 | 2,219 |
| - Internal Financing | | 298 | | | | | | | |
| Total Communications Network Infrastructure | 2-118 | 298 | 385 | 395 | 1,184 | 923 | 476 | 447 | 3,810 |
| Printing Graphics & Mail Services Asset Renewal | | | | | | | | | |
| - Transfer from Prior Year Authorization | 2-119 | | | 350 | | | | | 350 |
| Information Security Initiatives | | | | | | | | | |
| - External Debt | | | 136 | | | | | | 136 |
| - Transfer from Prior Year Authorization | | | | 194 | 140 | 144 | 199 | 776 | 1,453 |
| - Internal Financing | | 365 | | | | | | | |
| Total Information Security Initiatives | 2-120 | 365 | 136 | 194 | 140 | 144 | 199 | 776 | 1,589 |
| Microsoft Office License Evergreen | | | | | | | | | |
| - Cash to Capital | | | | | | | 243 | | 243 |
| - External Debt | | 1,375 | 711 | | | | | | 711 |
| - Transfer from Prior Year Authorization | | | | | 633 | | 559 | | 1,192 |
| Total Microsoft Office License Evergreen | 2-121 | 1,375 | 711 | | 633 | | 802 | | 2,146 |
| Tait Radio Replacement | | | | | | | | | |
| - External Debt | | 48 | | | | | | | |
| - Internal Financing | | 1,854 | | | | | | | |
| Total Tait Radio Replacement | | 1,902 | | | | | | | |

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| ***CAPITAL PROJECT SUMMARY*** *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| PeopleSoft Enhancements | | | | | | | | | |
| - Internal Financing | | 892 | | | | | | | |
| Enterprise Content Management | | | | | | | | | |
| - Cash to Capital | | | 660 | | | | | | 660 |
| - Internal Financing | | 1,102 | 440 | | | | | | 440 |
| Total Enterprise Content Management | 2-122 | 1,102 | 1,100 | | | | | | 1,100 |
| Microsoft Development Network Software Renewal | | | | | | | | | |
| - External Debt | | 247 | | | | | | | |
| - Transfer from Prior Year Authorization | | | | | 231 | | | 253 | 484 |
| Total Microsoft Development Network Software Renewal | 2-123 | 247 | | | 231 | | | 253 | 484 |
| Geographic Information System Aerial Image Renewal Program | | | | | | | | | |
| - Transfer from Prior Year Authorization | 2-124 | | | 161 | | | | 187 | 348 |
| Communications Systems Branch Facilities | | | | | | | | | |
| - Internal Financing | | 174 | | | | | | | |
| E-Mail Archiving | | | | | | | | | |
| - Internal Financing | | 484 | | | | | | | |
| Disaster Recovery Gap Mitigation Phase 1 | | | | | | | | | |
| - External Debt | | 954 | | | | | | | |
| Corporate VoIP Phone System | | | | | | | | | |
| - Transfer from Prior Year Authorization | 2-125 | | | 160 | | | | | 160 |
| Intake Program | | | | | | | | | |
| - External Debt | | | 111 | | | | | | 111 |
| - Transfer from Prior Year Authorization | | | 11 | 100 | 100 | 100 | 100 | | 411 |
| - Internal Financing | | 534 | | | | | | | |
| Total Intake Program | 2-126 | 534 | 122 | 100 | 100 | 100 | 100 | | 522 |
| **TOTAL INNOVATION, TRANSFORMATION AND TECHNOLOGY** | | 11,353 | 6,776 | 4,951 | 4,460 | 2,770 | 2,151 | 3,619 | 24,727 |
| **CUSTOMER SERVICE AND COMMUNICATIONS** | | | | | | | | | |
| 311 Renewal | 2-127 | | 122 | 100 | | 100 | | | 322 |
| **TOTAL CUSTOMER SERVICE AND COMMUNICATIONS** | | | 122 | 100 | | 100 | | | 322 |
| **ASSESSMENT AND TAXATION** | | | | | | | | | |
| Assessment Automation | 2-128 | 350 | | 237 | 312 | | 250 | 312 | 1,111 |
| Local Improvements - Ongoing Program | | | | | | | | | |
| - Cash to Capital | | 180 | | | 100 | | | 100 | 200 |
| - Transfer from Prior Year Authorization (Cash to Capital) | | 220 | | | | | | | |
| - Transfer from Prior Year Authorization (External Debt) | | 880 | | | | | | | |
| - External Debt | | 720 | 630 | 350 | | 480 | 147 | | 1,607 |
| Total Local Improvements - Ongoing Program | 2-129 | 2,000 | 630 | 350 | 100 | 480 | 147 | 100 | 1,807 |
| **TOTAL ASSESSMENT AND TAXATION** | | 2,350 | 630 | 587 | 412 | 480 | 397 | 412 | 2,918 |

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|---|---|---|---|---|---|---|---|---|---|
| **TRANSIT** | | | | | | | | | |
| Transit Information Technology Program (formerly Innovative Transit Program) | 2-130 | 700 | | 500 | 325 | 500 | 325 | 325 | 1,975 |
| Transit Building Replacement / Refurbishment | 2-131 | | 336 | 600 | 600 | 828 | 881 | 600 | 3,845 |
| Transit Roof Replacement and Ventilation Upgrade (formerly Transit Building Roof Replacement and Ventilation Upgrade) | | | | | | | | | |
| - Cash to Capital | | 522 | | 1,947 | 1,500 | 1,500 | | | 4,947 |
| - Public Transit Infrastructure Fund (Federal Government) | | 875 | | | | | | | |
| - Public Transit Infrastructure Fund (Provincial Government) | | 438 | | | | | | | |
| - External Debt | | | 1,500 | | | | 1,800 | | 3,300 |
| - Retained Earnings | | 500 | | | | | | | |
| Total Transit Roof Replacement and Ventilation Upgrade | 2-132 | 2,335 | 1,500 | 1,947 | 1,500 | 1,500 | 1,800 | | 8,247 |
| Garage Improvements - Phase 2 | | | | | | | | | |
| - Cash to Capital | | 750 | | | | | | | |
| - Public Transit Infrastructure Fund (Federal Government) | | 750 | | | | | | | |
| Total Garage Improvements - Phase 2 | | 1,500 | | | | | | | |
| Transit Buses | | | | | | | | | |
| - Cash to Capital | | | 1,969 | 3,979 | 4,331 | 5,390 | 4,491 | 3,774 | 23,934 |
| - Transit Bus Replacement Reserve | | | | | | | 10,889 | 12,268 | 23,157 |
| - Federal Gas Tax | | 16,188 | 6,442 | 6,735 | 6,735 | 7,027 | 7,627 | 7,627 | 42,193 |
| - External Debt | | 4,889 | 8,549 | 10,424 | 10,671 | 9,943 | | | 39,587 |
| - Transfer from Prior Year Authorization - Federal Gas Tax | | 1,132 | | | | | | | |
| - Retained Earnings | | | 4,000 | | | | | | 4,000 |
| Total Transit Buses | 2-133 | 22,209 | 20,960 | 21,138 | 21,737 | 22,360 | 23,007 | 23,669 | 132,871 |
| Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass | | | | | | | | | |
| - Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass Payment Reserve | | 1,780 | 14,460 | 14,720 | 14,760 | 14,880 | 15,190 | 15,280 | 89,290 |
| - P3 Annual Service / Financing Payments (Province) | | (80) | | | | | | | |
| - P3 Annual Service / Financing Payments (City) | | (1,700) | (11,070) | (11,330) | (11,370) | (11,490) | (11,800) | (11,890) | (68,950) |
| - External Debt Annual Service Payments (City) | | | (3,390) | (3,390) | (3,390) | (3,390) | (3,390) | (3,390) | (20,340) |
| Total Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass | 2-135 | | | | | | | | |

| ***CAPITAL PROJECT SUMMARY*** *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| Transit Safety Management Practices | | | | | | | | | |
| - Retained Earnings | | 165 | | | | | | | |
| Accessibility Program | 2-137 | 500 | 500 | 250 | 250 | 250 | 250 | 250 | 1,750 |
| Bus Communication Modernization | | | | | | | | | |
| - Federal Gas Tax | | 1,140 | | | | | | | |
| Heavy Shop Equipment Replacement Program | | | | | | | | | |
| - Cash to Capital | | 928 | | 200 | 200 | 200 | 200 | 200 | 1,000 |
| - Public Transit Infrastructure Fund (Federal Government) | | 877 | | | | | | | |
| Total Heavy Shop Equipment Replacement Program | 2-138 | 1,805 | | 200 | 200 | 200 | 200 | 200 | 1,000 |
| Hoist Replacement at Fort Rouge Garage | | | | | | | | | |
| - Cash to Capital | | 750 | | | | 545 | 2,271 | | 2,816 |
| - Public Transit Infrastructure Fund (Federal Government) | | 650 | | | | | | | |
| - External Debt | | | 1,500 | 2,500 | 1,500 | 955 | 1,729 | | 8,184 |
| Total Hoist Replacement at Fort Rouge Garage | 2-139 | 1,400 | 1,500 | 2,500 | 1,500 | 1,500 | 4,000 | | 11,000 |
| Rapid Overhead Doors at Washrack | | | | | | | | | |
| - Cash to Capital | | 350 | | | | | | | |
| - Public Transit Infrastructure Fund (Federal Government) | | 250 | | | | | | | |
| Total Rapid Overhead Doors at Washrack | | 600 | | | | | | | |
| Administration and Control Centre Radio Replacement | | | | | | | | | |
| - Retained Earnings | | 1,000 | | | | | | | |
| Land Acquisition | | | | | | | | | |
| - Retained Earnings | | 1,000 | | | | | | | |
| Bus Operator Compartment Safety Shields | | | | | | | | | |
| - Cash to Capital | | 3 | | | | | | | |
| - Federal Gas Tax | | 551 | | | | | | | |
| - Retained Earnings | | 2,596 | | | | | | | |
| Total Bus Operator Compartment Safety Shields | | 3,150 | | | | | | | |
| Electric Bus Study | | | | | | | | | |
| - Retained Earnings | | 1,000 | | | | | | | |
| Heated Bus Shelter Program | | | | | | | | | |
| - Cash to Capital | | 536 | | | | | | | |
| - Retained Earnings | | 495 | 1,500 | 1,500 | 1,500 | 1,500 | | | 6,000 |
| Total Heated Bus Shelter Program | 2-140 | 1,031 | 1,500 | 1,500 | 1,500 | 1,500 | | | 6,000 |
| Low Income Bus Pass | | | | | | | | | |
| - Retained Earnings | 2-141 | 236 | 139 | | | | | | 139 |
| **TOTAL TRANSIT** | | 39,771 | 26,435 | 28,635 | 27,612 | 28,638 | 30,463 | 25,044 | 166,827 |

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|---|---|---|---|---|---|---|---|---|---|
| **WATERWORKS SYSTEM** | | | | | | | | | |
| ***Waterworks System - Supply and Treatment*** | | | | | | | | | |
| **Financed by Waterworks Retained Earnings:** | | | | | | | | | |
| Shoal Lake Aqueduct Condition Assessment and Rehabilitation (formerly Shoal Lake Aqueduct Asset Preservation) | 2-142 | | 200 | 520 | 2,000 | 1,030 | 1,650 | 3,700 | 9,100 |
| Shoal Lake Aqueduct Intake Facility Rehabilitation | 2-143 | | | 2,050 | 5,450 | | 4,265 | 585 | 12,350 |
| Branch Aqueduct Condition Assessment and Rehabiliation (formerly Aqueduct Condition Assessment and Rehabilitation) | | | | | | | | | |
| - Retained Earnings | | | | | | 1,000 | | 1,000 | 2,000 |
| - Transfer from Prior Year Authorization - Retained Earnings | | | 1,000 | | | | | | 1,000 |
| Total Branch Aqueduct Condition Assessment and Rehabilitation | 2-144 | | 1,000 | | | 1,000 | | 1,000 | 3,000 |
| Tache Booster Pumping Station | 2-145 | 785 | | 1,000 | | | 1,300 | 685 | 2,985 |
| Pumping Stations and Reservoirs Structural Upgrades | 2-146 | | 800 | | | | | | 800 |
| Chlorination Upgrading at Pumping Stations | 2-147 | | | 3,575 | | | | | 3,575 |
| Water Supervisory Control and Data Acquisition (SCADA) Upgrade | 2-148 | 4,125 | 2,690 | | | | | | 2,690 |
| Waterworks System Security Upgrades | 2-149 | | 500 | | | | | | 500 |
| Regulatory Assessment of Water System Infrastructure and Supply Sources | 2-150 | | | 575 | | | | | 575 |
| Deacon Reservoir Cell Rehabilitation | 2-151 | | | | | | | 100 | 100 |
| Deacon Booster Pumping Station Suction Header Divider Wall and Valve | 2-152 | | | | 350 | 985 | | | 1,335 |
| Deacon Site Flood Protection | | | | | | | | | |
| - Retained Earnings | | | 25 | | | | | | 25 |
| - Transfer from Prior Year Authorization - Retained Earnings | | | 1,825 | | | | | | 1,825 |
| Total Deacon Site Flood Protection | 2-153 | | 1,850 | | | | | | 1,850 |
| HVAC Upgrades at Pumping Stations | 2-154 | | 4,090 | | | | | | 4,090 |
| Ultraviolet Light Disinfection System Upgrade | | | | | | | | | |
| - Retained Earnings | | | | 1,735 | | | | | 1,735 |
| - Transfer from Prior Year Authorization - Retained Earnings | | | 855 | | | | | | 855 |
| Total Ultraviolet Light Disinfection System Upgrade | 2-155 | | 855 | 1,735 | | | | | 2,590 |
| Discharge Meter Upgrades at the In-town Pumping Stations | 2-156 | 150 | | 3,950 | | | | | 3,950 |
| Water Treatment Plant Asset Refurbishment and Replacement Program | 2-157 | 575 | 470 | 5,530 | | | | | 6,000 |
| Pumping Stations Reliability Upgrades | 2-158 | | | 200 | | | | | 200 |
| Study of Backup Power Supply for the Hurst Pumping Station | 2-159 | | | 425 | | | | | 425 |
| Water Conservation and Efficiency Study | | 155 | | | | | | | |
| **Total Waterworks System - Supply and Treatment** | | 5,790 | 12,455 | 19,560 | 7,800 | 3,015 | 7,215 | 6,070 | 56,115 |

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| *CAPITAL PROJECT SUMMARY* (in Thousands of $) | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| ***Waterworks System - Distribution*** | | | | | | | | | |
| **Financed by Waterworks Retained Earnings:** | | | | | | | | | |
| Feeder Main Condition Assessment and Rehabilitation | 2-160 | **350** | **3,550** | **200** | **500** | **200** | **1,150** | **1,860** | **7,460** |
| Water Meter Renewals | | | | | | | | | |
| - Retained Earnings | | | **450** | | | | | | **450** |
| - Water Meter Renewal Reserve | | | | | | | | **16,000** | **16,000** |
| Total Water Meter Renewals | 2-161 | | **450** | | | | | **16,000** | **16,450** |
| Public Water Outlets | | **475** | | | | | | | |
| Water Main Renewals | | | | | | | | | |
| - Water Main Renewal Reserve | 2-162 | **16,500** | **17,500** | **18,000** | **18,500** | **19,000** | **20,000** | **20,500** | **113,500** |
| Customer Billing and Work Management Systems Upgrades Program | 2-163 | **185** | **1,045** | **2,200** | **350** | **550** | **750** | **600** | **5,495** |
| Customer Care and Billing - iNovah Integration | | **130** | | | | | | | |
| Automated Remittance Processing | | **400** | | | | | | | |
| Application and Data Integration | 2-164 | | **250** | **250** | **350** | **400** | **565** | **515** | **2,330** |
| Digital Enablement for Plant and Field Employees | 2-165 | **530** | **1,300** | **750** | **750** | **750** | **500** | **500** | **4,550** |
| Information Technology Cybersecurity Review | | **340** | | | | | | | |
| GIS Enhancements | | **300** | | | | | | | |
| Laboratory Information Management System Upgrade and Enhancement | 2-166 | | **1,050** | | | | | | **1,050** |
| **Total Waterworks System - Distribution** | | **19,210** | **25,145** | **21,400** | **20,450** | **20,900** | **22,965** | **39,975** | **150,835** |
| **TOTAL WATERWORKS SYSTEM (Utility Supported)** | | **25,000** | **37,600** | **40,960** | **28,250** | **23,915** | **30,180** | **46,045** | **206,950** |
| **SEWAGE DISPOSAL SYSTEM** | | | | | | | | | |
| ***Sewage Disposal System - Treatment*** | | | | | | | | | |
| **Financed by Sewage Disposal System Retained Earnings:** | | | | | | | | | |
| Sludge Drying Beds Decommissioning | 2-167 | | | | | | **375** | | **375** |
| Process Control System Master Plan and Upgrade | 2-168 | | | **3,000** | | | **7,000** | | **10,000** |
| Asset Refurbishment and Replacement Program | | | | | | | | | |
| - Retained Earnings | | **5,000** | **6,000** | **5,000** | **2,000** | **5,000** | **5,000** | **5,000** | **28,000** |
| - Transfer from Prior Year Authorization - Retained Earnings | | **1,000** | | | | | | | |
| Total Asset Refurbishment and Replacement Program | 2-169 | **6,000** | **6,000** | **5,000** | **2,000** | **5,000** | **5,000** | **5,000** | **28,000** |
| West End Sewage Treatment Plant (WEWPCC) - Facilities Plan | 2-170 | | | **500** | | | | | **500** |
| **Total Sewage Disposal System - Treatment** | | **6,000** | **6,000** | **8,500** | **2,000** | **5,000** | **12,375** | **5,000** | **38,875** |

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| ***CAPITAL PROJECT SUMMARY*** *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| ***Sewage Disposal System - Collection*** | | | | | | | | | |
| **Financed by Sewage Disposal System Retained Earnings:** | | | | | | | | | |
| Arc Flash Hazard Analysis and Remediation | 2-171 | **879** | **385** | **320** | **270** | | | | **975** |
| D'Arcy Lift Station Load Shedding Upgrade | 2-172 | | | **400** | | | | | **400** |
| Lift Stations Upgrading | 2-173 | **2,825** | **2,925** | **6,250** | **6,250** | **3,250** | **6,500** | **7,000** | **32,175** |
| River Crossings Monitoring and Rehabilitation | | | | | | | | | |
| - Retained Earnings | | **450** | **6,200** | **950** | **1,700** | **600** | | **5,000** | **14,450** |
| - Transfer from Prior Year Authorization - Retained Earnings | | **250** | | | | | | | |
| Total River Crossings Monitoring and Rehabilitation | 2-174 | **700** | **6,200** | **950** | **1,700** | **600** | | **5,000** | **14,450** |
| Combined Sewer Overflow and Basement Flood Management Strategy | | | | | | | | | |
| - Environmental Projects Reserve | 2-175 | **31,100** | **31,610** | **23,110** | **29,120** | **30,000** | **32,000** | **34,160** | **180,000** |
| Comminutor Chamber Rehabilitation Program | 2-176 | **1,200** | **1,300** | | | | | | **1,300** |
| Southwest Interceptor River Crossing | 2-177 | **1,100** | | | | | **5,000** | **35,000** | **40,000** |
| Wastewater Services Facilities Plan | 2-178 | | **350** | | | | | | **350** |
| Environmental Standards Laboratory Facility Plan | 2-179 | | | | | | **530** | | **530** |
| Sewer Renewals | | | | | | | | | |
| - Sewer System Rehabilitation Reserve | | **17,500** | **7,000** | **17,500** | **18,000** | **18,500** | **21,000** | **21,000** | **103,000** |
| - Transfer from Prior Year Authorization | | | **10,000** | | | | | | **10,000** |
| Total Sewer Renewals | 2-180 | **17,500** | **17,000** | **17,500** | **18,000** | **18,500** | **21,000** | **21,000** | **113,000** |
| Departmental Levels of Service Framework | 2-181 | | **200** | | | | | | **200** |
| Water and Waste Department (WWD) Business Intelligence | 2-182 | **600** | **1,050** | **1,550** | **300** | **300** | **1,100** | **550** | **4,850** |
| Customer Billing and Work Management Systems Upgrades Program | 2-183 | **185** | **1,045** | **2,200** | **350** | **550** | **750** | **600** | **5,495** |
| Digital Customer Solutions | 2-184 | **1,600** | **500** | **500** | **350** | **350** | **715** | **715** | **3,130** |
| WWD Document Management System | 2-185 | **500** | **500** | **250** | **250** | | | | **1,000** |
| WWD Learning Management System | 2-186 | | | | | | **565** | | **565** |
| **Total Sewage Disposal System - Collection** | | **58,189** | **63,065** | **53,030** | **56,590** | **53,550** | **68,160** | **104,025** | **398,420** |
| **TOTAL SEWAGE DISPOSAL SYSTEM (Utility Supported)** | | **64,189** | **69,065** | **61,530** | **58,590** | **58,550** | **80,535** | **109,025** | **437,295** |
| **SOLID WASTE DISPOSAL SYSTEM** | | | | | | | | | |
| ***Solid Waste Disposal System - Landfill*** | | | | | | | | | |
| **Financed by Landfill Rehabilitation Reserve:** | | | | | | | | | |
| Brady Road Resource Management Facility - Cell Construction | | | | | | | | | |
| - Retained Earnings | 2-187 | **2,500** | **700** | **1,200** | **750** | **1,300** | **500** | | **4,450** |
| Brady Road Resource Management Facility - Site Improvements | 2-188 | **200** | | **200** | | | | | **200** |
| Brady Road Resource Management Facility - Alternative Energy Project | | | | | | | | | |
| - External Debt | 2-189 | | | | **2,500** | | | | **2,500** |
| Brady Road Resource Management Facility - Onsite Leachate Management | | **450** | | | | | | | |
| Closed Landfill Site Improvement | 2-190 | **225** | **970** | **100** | **100** | **100** | | | **1,270** |
| Soil Fabrication for Landfill Cover | 2-191 | | | **1,250** | **1,300** | **1,300** | **1,350** | **1,400** | **6,600** |
| **Total Solid Waste Disposal System - Landfill** | | **3,375** | **1,670** | **2,750** | **4,650** | **2,700** | **1,850** | **1,400** | **15,020** |

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| ***CAPITAL PROJECT SUMMARY*** *(in Thousands of $)* | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| ***Solid Waste Disposal System - Collection*** | | | | | | | | | |
| **Financed by Solid Waste Disposal Waste Diversion Reserve:** | | | | | | | | | |
| Comprehensive Integrated Waste Management Strategy (CIWMS) - Materials Recovery Facility Education Centre | | | | | | | | | |
| - Transfer from Prior Year Authorization - External Debt | | **250** | | | | | | | |
| Comprehensive Integrated Waste Management Strategy (CIWMS) - Review | 2-192 | | | | | **450** | | | **450** |
| Source Separated Organics - First charge against the 2020 Capital Budget of up to $1.8 million (Council December 12, 2019) | 2-193 | | **1,800** | | | | | | **1,800** |
| Collection Management System | 2-194 | | | | **250** | | | | **250** |
| **Total Solid Waste Disposal System - Collection** | | **250** | **1,800** | | **250** | **450** | | | **2,500** |
| **TOTAL SOLID WASTE DISPOSAL SYSTEM (Utility Supported)** | | **3,625** | **3,470** | **2,750** | **4,900** | **3,150** | **1,850** | **1,400** | **17,520** |
| **LAND DRAINAGE UTILITY** | | | | | | | | | |
| ***Land Drainage and Flood Control*** | | | | | | | | | |
| **Financed by Transfer from Sewage Disposal System Fund:** | | | | | | | | | |
| Flood Pumping Station Rehabilitation | | | | | | | | | |
| - Transfer from Sewage Disposal System Fund | | **129** | **500** | **1,000** | **1,000** | **1,000** | **1,000** | **1,000** | **5,500** |
| - Transfer from Prior Year Authorization | | **871** | **500** | | | | | | **500** |
| Total Flood Pumping Station Rehabilitation | 2-195 | **1,000** | **1,000** | **1,000** | **1,000** | **1,000** | **1,000** | **1,000** | **6,000** |
| Land Drainage Sewers - Regional / Local Streets | 2-196 | **1,000** | | | | | **100** | **100** | **200** |
| Land Drainage and Combined Sewers Outfall Gate Structures | 2-197 | **1,870** | **2,680** | | | | | | **2,680** |
| Stormwater Retention Basin Upgrades (formerly Stormwater Retention Basin Revetments) | 2-198 | | | **430** | | | **485** | | **915** |
| Lot 16 Drain Slope Stabilization Works | | **1,175** | | | | | | | |
| St. Boniface Hospital Primary Line of Defence (PLD) Slope Stability Analysis and Stabilization Works | | **150** | | | | | | | |
| Outfall Rehabilitation | 2-199 | **2,000** | **2,000** | **2,000** | **4,000** | **3,500** | **3,500** | **4,000** | **19,000** |
| Development Agreement Paybacks | | | | | | | | | |
| - Developer Capacity Charges | | | | **500** | **700** | **1,000** | **1,700** | **500** | **4,400** |
| - Transfer from Sewage Disposal System Fund | | | | **540** | | | | | **540** |
| Total Development Agreement Paybacks | 2-200 | | | **1,040** | **700** | **1,000** | **1,700** | **500** | **4,940** |
| **TOTAL LAND DRAINAGE UTILITY (Utility Supported)** | | **7,195** | **5,680** | **4,470** | **5,700** | **5,500** | **6,785** | **5,600** | **33,735** |

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| *CAPITAL PROJECT SUMMARY* (*in Thousands of $*) | PAGE NO. | ADOPTED BUDGET 2019 | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL 2020-2025 |
|---|---|---|---|---|---|---|---|---|---|
| ***SPECIAL OPERATING AGENCIES*** | | | | | | | | | |
| **WINNIPEG FLEET MANAGEMENT AGENCY** | | | | | | | | | |
| **Financed by Accumulated Surplus (Retained Earnings):** | | | | | | | | | |
| Shop Tools & Equipment Upgrades | 2-201 | **627** | **255** | **265** | **245** | **255** | **255** | **255** | **1,530** |
| Power Tools | 2-202 | **150** | **125** | **125** | **125** | **125** | **125** | **125** | **750** |
| Fuel Site Upgrades and Improvements | 2-203 | **200** | **200** | **200** | **200** | **200** | **200** | **200** | **1,200** |
| Building Renovations | 2-204 | | **214** | **160** | **225** | **190** | **197** | **197** | **1,183** |
| Fleet Asset Acquisitions - External Debt | 2-205 | **22,336** | **15,178** | **15,670** | **15,670** | **15,670** | **15,670** | **15,670** | **93,528** |
| Fleet Software Application | 2-206 | | | **929** | | | | | **929** |
| **TOTAL WINNIPEG FLEET MANAGEMENT AGENCY** | | **23,313** | **15,972** | **17,349** | **16,465** | **16,440** | **16,447** | **16,447** | **99,120** |
| **WINNIPEG PARKING AUTHORITY** | | | | | | | | | |
| **Financed by Accumulated Surplus (Retained Earnings):** | | | | | | | | | |
| Automated License Plate Recognition (ALPR) Program | 2-207 | **121** | **178** | **126** | **172** | **137** | **238** | **149** | **1,000** |
| Parking Access & Revenue Control System | 2-208 | | **373** | | | | | | **373** |
| Enhanced Security - Millennium Library Parkade - Destination Marketing Reserve | 2-209 | | **100** | | | | | | **100** |
| **TOTAL WINNIPEG PARKING AUTHORITY** | | **121** | **651** | **126** | **172** | **137** | **238** | **149** | **1,473** |

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# Capital Project Detail

## 2020 Preliminary Capital Budget and 2021 to 2025 Five-Year Forecast

**Notes:**

1. Capital Budget amounts are estimates only and are subject to materials management policy (e.g. tenders, bids, and contract awards including Public Private Partnership Proposals)

2. The Public Service uses a cost estimate classification determined using AACE International Recommended Practices for capital budget estimates – see Appendix 2.

3. Included in the capital project authorizations are corporate and departmental overhead amounts (FTE related costs, administrative costs, etc.). Consistent with asset management principles, specific recoveries are included in the capital project business case/basis of estimate. Actual expenses may vary from budget depending on in-year circumstances.

4. Included in the capital budget authorizations, for Public Works only, are amounts for Strategic Municipal Infrastructure Research (SMIR), not to exceed 0.5% of tax-supported infrastructure preservation capital budgets, as approved by Council on April 30, 2003. Infrastructure is defined as permanent physical systems of a community, including roadways, utilities, water, sewage, buildings and parks. SMIR funding is essential to undertake research that will optimize life cycle costs and innovate to provide the best value for construction and preservation of Public Works infrastructure.

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Project Name: **Pedestrian and Cycling Program**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1832000120

Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 3,622 | 1,852 | 1,650 | 1,590 | 1,651 | 1,683 | 8,426 | 12,048 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,178 | 1,314 | 673 | 190 | 251 | 283 | 2,711 | 3,889 |
| Interim Financing from General Capital Fund / (Repayment) | 3,850 | (2,365) | (1,062) | (423) | | | | (1,485) | (3,850) |
| Federal Gas Tax | | 2,874 | 1,600 | 1,400 | 1,400 | 1,400 | 1,400 | 7,200 | 10,074 |
| Transfer from Corporate Non-specified Capital Account | | 1,807 | | | | | | - | 1,807 |
| Transfer from Prior Year Authorization | | 128 | | | | | | - | 128 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,724 | 2,314 | 1,776 | 1,662 | 1,642 | 1,678 | 252 | 12,048 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,001 | 1,295 | 769 | 262 | 242 | 278 | 42 | 3,889 |
| Interim Financing from General Capital Fund / (Repayment) | (2,365) | (1,062) | (423) | | | | | (3,850) |
| Federal Gas Tax | 2,443 | 1,791 | 1,430 | 1,400 | 1,400 | 1,400 | 210 | 10,074 |
| Transfer from Corporate Non-specified Capital Account | 1,536 | 271 | | | | | | 1,807 |
| Transfer from Prior Year Authorization | 109 | 19 | | | | | | 128 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 1,178 | 1,314 | 673 | 190 | 251 | 283 |
| **Total Direct Costs** | 1,178 | 1,314 | 673 | 190 | 251 | 283 |
| Less: Incremental Revenue/Recovery | 40 | 39 | 29 | 26 | 25 | 27 |
| **Net Cost/(Benefit)** | 1,138 | 1,275 | 644 | 164 | 226 | 256 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Projects in 2020 will not proceed to construction until a class 3 estimate is obtained.

Any surplus funds will automatically be transferred to the following years Pedestrian and Cycling Program Budget.

The Director of Public Works may be required to reallocate funds within the Pedestrian and Cycling Program based on financing requirements.

On July 15, 2015, Council approved the Winnipeg Pedestrian and Cycling Strategies (PCS) with the following motion: All costs included in the Pedestrian and Cycling Strategies are estimates, no budget allocation is included with the approval of the Pedestrian and Cycling Strategies document, and all projects and project costs relating to the Pedestrian and Cycling Strategies document will be considered by City Council through the annual budget process. Pedestrian and Cycling Action Plans will be presented to the Standing Policy Committee for information on a yearly basis to provide status updates on previous and current projects.

***Pedestrian and Cycling Program (continued):***

On July 13, 2016, Council approved the recommendation of the Standing Policy Committee on Infrastructure Renewal and Public Works: That all projects related to the Pedestrian and Cycling Strategies document be submitted to the Standing Policy Committee on Infrastructure Renewal and Public Works for recommendation to Council.

Funding includes budgeted amounts from previously authorized capital projects from 2011 - see Appendix 4.

The Pedestrian and Cycling Program supports the delivery of the City's long-term vision to maximize transportation options by ensuring the accessibility, comfort, and safety of walking and cycling in Winnipeg.

Budget is used for the construction of new pedestrian and cycling facilities, facilities enhancements, studies and support for public education, awareness and promotions of walking and cycling. Funding is also used to support public engagement and design studies in advance of planned road renewals.

On September 27, 2017, Council approved a first charge against the 2018 Capital Budget of up to $2.250 million for the Protected Bike Lanes McDermot Avenue/Bannatyne Avenue (Phase 2) project, and approved an additional $3.850 million in 2017 financed by Interim Financing from General Capital Fund for Chief Peguis Trail - Kildonan Settlers Bridge Pedestrian and Cycling Improvements. Interim financing repayments will be completed by 2022.

On April 25, 2019, Council adopted that the estimated $40 million in additional dollars in Federal Gas Tax funding, included in the 2019 Federal Budget, be allocated as follows:

• $19.25 million for 2019 Residential road renewals,

• $0.75 million for three active transportation functional design projects,

• $2.5 million to support road side safety measures in 2019, and

• up to $20 million for road renewals and active transportation projects in 2020.

On July 9, 2019, the City received notification from the Province of Manitoba of a one-time top-up transfer of $44.09 million in Federal Gas Tax funds. $22.5 million will be allocated to 2019 projects, as approved by Council April 25, 2019. $20 million will be allocated to Local Street Renewals in 2020 and $1.59 million will be allocated to the Pedestrian and Cycling Program in 2020.

* N/A - No amounts have been included in the "Previous Budgets" due to this projects on-going nature.

The Pedestrian and Cycling Program supports the following program areas:

***New Regional Sidewalks***

Construction of new sidewalks on regional streets where none presently exist and where provision is warranted. Provides additional funding to support pedestrian crossings improvements and/or crossing upgrades on regional streets. Future locations that are to be determined will be identified through the annual Pedestrian and Cycling Action Plan or through the yearly capital budget process.

***New Non-Regional Sidewalks***

Construction of new sidewalks on non-regional streets must meet at least one of the following:

• connect existing sidewalks to a significant destination business/public facility/senior facility, etc.

• is located within 1.5 km of a school and has been identified by a Neighbourhood Based Consultation process (for example a School Travel Plan or Neighbourhood Area Plan);

• is required to connect pedestrians to a bus stop, where the property owners fronting the proposed sidewalk are not considered to be the main or a major benefiter from the new sidewalk, and likely would not support the sidewalk as a Local Improvement.

Future locations that are to be determined will be identified through the annual Pedestrian and Cycling Action Plan or through the yearly capital budget process.

***Bicycle Corridors***

Development of new bicycle facilities on the Bicycle Network as prioritized in the Pedestrian and Cycling Strategies. Provides support to complete gaps in the Bicycle Network. Supports the supply and installation of permanent and temporary bicycle parking through an annual Bicycle Parking Grant program. Provides additional funding to support the development of Neighbourhood Greenways during local street renewal projects. Considers support for a pedestrian and cycling monitoring strategy.

***Public Education, Awareness and Promotion***

Support educational programming, public safety and awareness in support of walking and cycling. Supports the promotion of new and existing pedestrian and cycling facilities including a walking and cycling communications strategy. Considers support for a City-wide wayfinding system.

***Pedestrian and Cycling Program (continued):***

***Recreational Walkways and Bicycle Paths***

Construction of new recreational walkways and off-street bicycle path facilities where no walkway or cycle facility presently exists, and where the provision of such a facility is warranted.

| PEDESTRIAN AND CYCLING PROGRAM<br>Authorization ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Six-Year Total |
|---|---|---|---|---|---|---|---|
| **Bicycle Corridors:** | | | | | | | |
| St Boniface West -- East Corridor Study and Improvements | 390 | | | | | | 390 |
| Maryland Ave/Sherbrook Ave Upgrade to Protected Bike Lane | 100 | | | | | | 100 |
| Transcona Trail Extension Study and Construction | | 400 | | | 750 | | 1,150 |
| Wolseley to Downtown Phase 1 Construction | 900 | 750 | | | | | 1,650 |
| Speers Rd Bicycle Facility Construction | 185 | | | | | | 185 |
| Neighbourhood Greenways | 150 | 180 | 200 | 200 | 200 | 200 | 1,130 |
| Harrow St - Southwest Transitway Multi-use Path Connection | 200 | | | | | | 200 |
| North Winnipeg Parkway Construction | | | 400 | | | | 400 |
| Ruby St / Banning St Neighbourhood Greenway Phase 1 Construction | | | | 800 | | | 800 |
| Cyclist Detection Signal Actuation Select Locations | | | 50 | | | 50 | 100 |
| **Recreational Walkways and Bicycle Paths:** | | | | | | | |
| Sidewalks Regional and Non-Regional - Various Locations | 200 | 202 | 250 | 275 | 346 | 348 | 1,621 |
| The Forks - Red River Mutual Walking and Cycling Trail Improvements | 30 | 60 | | | 20 | 20 | 130 |
| Waverley Multi-use Path Extension - Chevrier Blvd to Scurfield Blvd | 350 | | | | | | 350 |
| Bicycle Parking Partnership Grants | 42 | 40 | 30 | 30 | 30 | 30 | 202 |
| Togo Ave. to Churchill Dr. - Multi-use Path Extension | 800 | | 500 | | | | 1,300 |
| Northwest Hydro Corridor Phase 2 Construction- Church Ave to Casino | | | | | | 700 | 700 |
| **Public Education Awareness and Promotion:** | | | | | | | |
| Communication and Promotions | | 20 | 20 | 25 | 25 | 25 | 115 |
| **Partnership Grant Program:**<br>International Trails Day (Winnipeg Trails) -- $9,000<br>Winnipeg Trails -- $10,000<br>Bike Week Winnipeg -- $40,000<br>Winnipeg Repair Education and Cycling Hub (WRENCH) -- $40,000<br>Moveable Feast (Downtown Winnipeg BIZ) --$1,750<br>Replace Downtown Bike Racks (Downtown Winnipeg BIZ) -- $14,500<br>Cycling Education and Promotion for Visitors and Commuters (Exchange District BIZ) -- $11,750<br>Bike Friendly Business (Exchange District BIZ) -- $2,000<br>Commuter Challenge (Green Action Centre) -- $18,000<br>Bike to School Month (Green Action Centre) -- $10,000<br>Bike Education and Skills Training (Green Action Centre) -- $18,000 | 175 | 160 | 160 | 160 | 160 | 160 | 975 |
| Active Safe Routes to School, various locations | 50 | 40 | 40 | 100 | 120 | 150 | 500 |
| Pedestrian and Cycling Strategies Update (TMP) | 50 | | | | | | 50 |
| **Total Pedestrian and Cycling Program** | **3,622** | **1,852** | **1,650** | **1,590** | **1,651** | **1,683** | **12,048** |

***Pedestrian and Cycling Program (continued):***

The following projects include Active Transportation (AT) facilities funding:

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Total |
|---|---|---|---|---|---|---|---|
| **Regional Street Renewals:** | | | | | | | |
| Archibald St - St Catherine to Cottonwood<br>- Reconstruct existing mulit-iuse path | | 275 | | | | | 275 |
| Pandora Ave E - Day to Wayoata<br>- multi-use path | | 300 | | | | | 300 |
| Dunkirk Dr - Fermor to St Mary's<br>- to be determined | | ** | | | | | - |
| Keewatin St - Selkirk to Logan<br>- multi-use path | | 1,300 | | | | | 1,300 |
| University Cres - Pembina to Chancellor Matheson<br>- protected bike lanes | | 900 | 1,200 | | | | 2,100 |
| Leila Ave - McPhillips to McGregor<br>- protected bike lanes | | | ** | | | | - |
| Pembina Hwy - McGillivray to Chevrier<br>- buffered bike lanes | | | 1,500 | | | | 1,500 |
| St Mary Ave - Memorial to Portage<br>- protected bike lanes | | | 500 | | | | 500 |
| Jubilee Ave - Osborne to Pembina<br>- buffered bike lanes | | 800 | 400 | 800 | | | 2,000 |
| Dakota St - St Mary's to Bishop Grandin<br>- to be determined | | | | ** | | | - |
| Lagimodiere Blvd NB - Fermor to Cottonwood<br>- to be determined | | | | ** | | | - |
| | **-** | **3,575** | **3,600** | **800** | **-** | **-** | **7,975** |

** to be determined

Project Name: **Tache Promenade**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 6351800417
Service: City Beautification
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 10,000 | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,000 | | | | | | - | 1,000 |
| Interim Financing from General Capital Fund / (Repayment) | | (1,000) | | | | | | - | (1,000) |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,000 | | | | | | | 1,000 |
| Interim Financing from General Capital Fund / (Repayment) | (1,000) | | | | | | | (1,000) |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 1,000 | | | | | |
| **Total Direct Costs** | 1,000 | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | 1,000 | - | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

This capital project consisted of riverbank stabilization, construction of a Belvedere, including a public art component and expansion of the Tache Avenue sidewalk that forms part of the St. Boniface River Trail. The construction work was completed in 2019. The 2020 budget amount reflects pay back of interim financing.

Project Name: **Developer Payback - Various Locations**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1807000120

Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 9,750 | - | - | - | - | - | - | 9,750 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 250 | | | | | | - | 250 |
| Federal Gas Tax | | 9,500 | | | | | | - | 9,500 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 9,750 | - | - | - | - | - | - | 9,750 |
| Financed by: | | | | | | | | |
| Cash to Capital | 250 | | | | | | | 250 |
| Federal Gas Tax | 9,500 | | | | | | | 9,500 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 250 | | | | | |
| **Total Direct Costs** | 250 | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | 250 | - | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: See table below

A development agreement payback is the required funding to enable the City to fulfill a Council approved contractual obligation for certain works constructed by the developer within the right-of-way or to obtain land required to establish or expand right-of-ways.

The current funding requirements are based on planning level assessments. Projects in 2020 will not be repaid until a class 3 estimate is obtained.

| **Funds will be allocated to:** | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Total |
|---|---|---|---|---|---|---|---|
| Kildare Avenue extension (AG 10/13) - Class Estimate: 1 ** | 8,750 | | | | | | 8,750 |
| Bishop Grandin right-of-way (AG 19/16) - Class Estimate: 4 | 1,000 | | | | | | 1,000 |
| | **9,750** | **-** | **-** | **-** | **-** | **-** | **9,750** |

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

** Includes $235,000 for an active transportation path.

Project Name: **Transportation Master Plan**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1833000120

Service: Transportation Planning and Traffic Management
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 875 | 125 | 250 | - | - | - | 375 | 1,250 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 30 | 10 | 20 | | | | 30 | 60 |
| Federal Gas Tax | | 845 | 115 | 230 | | | | 345 | 1,190 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 742 | 238 | 232 | 38 | - | - | - | 1,250 |
| Financed by: | | | | | | | | |
| Cash to Capital | 25 | 13 | 19 | 3 | | | | 60 |
| Federal Gas Tax | 717 | 225 | 213 | 35 | | | | 1,190 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 30 | 10 | 20 | | | |
| **Total Direct Costs** | 30 | 10 | 20 | - | - | - |
| Less: Incremental Revenue/Recovery | 10 | 3 | 3 | 1 | | |
| **Net Cost/(Benefit)** | 20 | 7 | 17 | (1) | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

Updating information that affects the recommendations in the Transportation Master Plan is necessary to account for temporal changes in land use and transportation needs. This is also required to meet the needs of OurWinnipeg and Complete Communities.

A comprehensive revision commenced in 2019 following the completion of the update to OurWinnipeg. A detailed cost breakdown to include a class 3 estimate for this major revision will be provided at an early stage in the project. The budget will be developed by the project team as part of the initial project management initialization phase. The project will not proceed until a class 3 estimate is obtained.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Traffic Signals Improvements**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1831100120

Service: Transportation Planning and Traffic Management
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 688 | - | - | - | - | - | - | 688 |
| Financed by: | | | | | | | | | |
| Frontage Levy | | 688 | | | | | | - | 688 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 585 | 103 | - | - | - | - | - | 688 |
| Financed by: | | | | | | | | |
| Frontage Levy | 585 | 103 | | | | | | 688 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | 19 | 3 | | | | |
| **Net Cost/(Benefit)** | (19) | (3) | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

This is an annual program which includes city-wide installation of:

- audible pedestrian signals following the 2008 agreement between the City of Winnipeg and the Human Rights Commission obligating the City to complete all installations by the year 2023. The installations are expected to be completed in 2020.

- pedestrian countdown signals, following a successful pilot project, completed in 2012.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Traffic Signals Loops**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1831100220

Service: Transportation Planning and Traffic Management
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 250 | 250 | 250 | 250 | 250 | 250 | 1,250 | 1,500 |
| Financed by: | | | | | | | | | |
| Frontage Levy | | 250 | 250 | 250 | 250 | 250 | 250 | 1,250 | 1,500 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 213 | 250 | 250 | 250 | 250 | 250 | 37 | 1,500 |
| Financed by: | | | | | | | | |
| Frontage Levy | 213 | 250 | 250 | 250 | 250 | 250 | 37 | 1,500 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | 7 | 8 | 8 | 8 | 8 | 8 |
| **Net Cost/(Benefit)** | (7) | (8) | (8) | (8) | (8) | (8) |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

This is an annual program which includes city-wide installation of vehicle detection loops in order to maintain proper (designed) operation of signalized intersections. If a location does not support installation of loops, such as private approaches, then non-intrusive detection will be evaluated and installed as funding is available.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Permanent Traffic Monitoring Stations**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1831200120

Service: Transportation Planning and Traffic Management
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 623 | - | - | - | - | - | - | 623 |
| Financed by: | | | | | | | | | |
| Frontage Levy | | 623 | | | | | | - | 623 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 530 | 93 | - | - | - | - | - | 623 |
| Financed by: | | | | | | | | |
| Frontage Levy | 530 | 93 | | | | | | 623 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | 17 | 3 | | | | |
| **Net Cost/(Benefit)** | (17) | (3) | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

This project is to implement a city-wide traffic monitoring system that will include installation of permanent traffic monitoring stations with a live traffic flow map and database to support active traffic management, by the Traffic Monitoring Centre, and short/long term transportation, utilities and development planning by Public Works, Water and Waste, and Planning, Property and Development departments.

* N/A - No amounts have been included in the "Previous Budgets" as it was an on-going program. This program terminates in 2020.

Project Name: **Traffic Engineering Improvements - Various Locations**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1831000120

Service: Transportation Planning and Traffic Management
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,900 | 1,560 | 1,177 | 1,119 | 1,200 | 1,229 | 6,285 | 8,185 |
| Financed by: | | | | | | | | | |
| Frontage Levy | | 1,900 | 1,560 | 1,177 | 1,119 | 1,200 | 1,229 | 6,285 | 8,185 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,615 | 1,611 | 1,234 | 1,128 | 1,188 | 1,225 | 184 | 8,185 |
| Financed by: | | | | | | | | |
| Frontage Levy | 1,615 | 1,611 | 1,234 | 1,128 | 1,188 | 1,225 | 184 | 8,185 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | 52 | 52 | 40 | 37 | 39 | 40 |
| **Net Cost/(Benefit)** | (52) | (52) | (40) | (37) | (39) | (40) |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

This is an annual program which includes city-wide installation of:

- new full signals, half signals and pedestrian corridors based on priority warrant systems **
- roadside safety improvements
- traffic calming measures
- left turn signal phases
- traffic sign upgrades
- railway crossing safety improvements
- installation of permanent pavement markings
- research studies and operational reviews

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

** Locations are submitted to Standing Policy Committee on Infrastructure Renewal and Public Works for approval prior to construction.

Project Name: **Inner-Ring Road - Functional Design**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1803000124

Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 551 | - | 551 | 551 |
| Financed by: | | | | | | | | | |
| Federal Gas Tax | | | | | | 551 | | 551 | 551 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 468 | 83 | - | 551 |
| Financed by: | | | | | | | | |
| Federal Gas Tax | | | | | 468 | 83 | | 551 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 5

Commencement of a functional design study in 2024 to identify the requirements to achieve a limited access, high level of mobility Inner-Ring Road system utilizing roads within the Strategic Road Network as identified in the Transportation Master Plan.

Project Name: **Regional and Local Street Renewal**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1804000120

Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 130,322 | 151,016 | 161,416 | 136,001 | 124,095 | 144,104 | 716,632 | 846,954 |
| Financed by: | | | | | | | | | |
| Frontage Levy | | 269 | 2,677 | | | | | 2,677 | 2,946 |
| Federal New Building Canada Fund (Regional) | | 25,000 | 26,000 | 24,000 | 13,000 | | | 63,000 | 88,000 |
| Federal Gas Tax (Local) | | 8,314 | 7,323 | 12,000 | 1,885 | | 5,588 | 26,796 | 35,110 |
| Province of Manitoba Accelerated Regional Roads | | 15,000 | 29,100 | 29,100 | 9,800 | | | 68,000 | 83,000 |
| Local Street Renewal Reserve | | 38,998 | 44,578 | 50,778 | 61,778 | 73,178 | 84,878 | 315,190 | 354,188 |
| Regional Street Renewal Reserve | | 35,338 | 41,338 | 45,538 | 49,538 | 50,917 | 53,638 | 240,969 | 276,307 |
| Reduction from the Regional and Local Street Reserves due to Province of Manitoba - 2018 Roads Funding Shortfall | | (20,000) | | | | | | - | (20,000) |
| External Debt | | 22,817 | | | | | | - | 22,817 |
| Prior Years Surplus | | 2,000 | | | | | | - | 2,000 |
| Developer Funding | | 2,586 | | | | | | - | 2,586 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 110,711 | 152,339 | 159,856 | 136,918 | 124,411 | 141,103 | 21,616 | 846,954 |
| Financed by: | | | | | | | | |
| Frontage Levy | 229 | 2,315 | 402 | | | | | 2,946 |
| Federal New Building Canada Fund (Regional) | 21,250 | 25,850 | 24,300 | 14,650 | 1,950 | | | 88,000 |
| Federal Gas Tax (Local) | 7,067 | 7,472 | 11,298 | 3,402 | 283 | 4,750 | 838 | 35,110 |
| Province of Manitoba Accelerated Regional Roads | 15,000 | 29,100 | 29,100 | 9,800 | | | | 83,000 |
| Local Street Renewal Reserve | 33,148 | 43,741 | 49,848 | 60,128 | 71,468 | 83,123 | 12,732 | 354,188 |
| Regional Street Renewal Reserve | 30,037 | 40,438 | 44,908 | 48,938 | 50,710 | 53,230 | 8,046 | 276,307 |
| Reduction from the Regional and Local Street Reserves due to Province of Manitoba - 2018 Roads Funding Shortfall | (20,000) | | | | | | | (20,000) |
| External Debt | 19,394 | 3,423 | | | | | | 22,817 |
| Prior Year Surplus | 2,000 | | | | | | | 2,000 |
| Developer Funding | 2,586 | | | | | | | 2,586 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 679 | 1,214 | 1,295 | 1,295 | 1,295 | 1,295 |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 679 | 1,214 | 1,295 | 1,295 | 1,295 | 1,295 |
| Less: Incremental Revenue/Recovery | 1,896 | 1,998 | 2,103 | 2,381 | 2,644 | 2,927 |
| **Net Cost/(Benefit)** | (1,217) | (784) | (808) | (1,086) | (1,349) | (1,632) |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

***Regional and Local Street Renewal (continued):***

Class Estimate: Not applicable, as this is a scalable program

Projects in 2020 will not proceed to construction until a class 3 estimate is obtained.

Any surplus funds will automatically be transferred to the following years Regional and Local Street Renewal Program Budget.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

***Regional Street Renewal Program***

The Regional Street Renewal program includes the renewal and reconstruction of the City's regional streets, sidewalks and recreational walkways/paths, as well as incorporating pedestrian and cycling facilities on regional street renewal projects where identified in the Winnipeg Pedestrian and Cycling Strategies. The program also funds the condition rating of regional streets. The purpose of this program is to maintain the level of service, structural integrity, and rideability of the transportation infrastructure network.

On May 14, 2008, Council concurred in the recommendation that a policy be adopted to incorporate Active Transportation facilities into any reconstruction or rehabilitation required on any infrastructure identified as an Active Transportation facility in the Proposed Active Transportation Network. On July 15, 2015, Council adopted the Pedestrian and Cycling Strategies as the long range pedestrian and cycling transportation policy for the City of Winnipeg. Depending on the proposed street renewal treatment and the planning and priority status of the proposed pedestrian and / or cycling facility, the Regional Street Renewal program may implement the intention of the Winnipeg Pedestrian and Cycling Strategies.

All Regional Street Renewal projects have a warranty period after substantial completion and/or in-service date for which costs may be incurred by the City. The Director of Public Works is authorized to establish projects to a maximum of $100,000 each to charge costs associated with warranty work should the related Regional Streets project be closed. The capital budget for the new project will be allocated from other surpluses within the program.

Any new projects using surplus funds in the 2020 Regional Street Renewal Program shall be approved by the Standing Policy Committee on Infrastructure Renewal and Public Works.

A Regional Street Renewal Reserve was established in 2014 to increase investment in regional streets. A separate 1% property tax increase planned until 2022 and 0.3% thereafter, will continually fund this reserve each year to ensure a dedicated funding stream for regional streets.

Use of the Regional Street Renewal Reserve for purposes other than regional street, sidewalk or bridge renewals requires approval of 2/3 of City Council.

On March 22, 2018, the City received approval in principle from the Province and on September 4, 2018 received approval in principle from the Federal Government indicating the federal and provincial contributions towards the Accelerated Regional Renewals Application will be in the order of $100 million from each over 5 years (2019 to 2023).

On March 29, 2019, the City of Winnipeg and the Province of Manitoba executed the “Accelerated Regional Street Renewal Contribution Agreement”, and on September 23, 2019, the City of Winnipeg and Canada executed the “Agreement for the City of Winnipeg Accelerated Regional Street Renewal Project”. These agreement commit all parties to the funding arrangements as indicated in the Accelerated Regional Streets Renewal Program section of the Regional and Local Streets Program herein.

On March 20, 2019, Council authorized first charges in 2019 or prior to the adoption of the 2020 capital budget to facilitate timely delivery of these projects:

up to $1.700 million for Broadway, Portage (Downtown Streets), etc. accelerated regional street renewal project;

up to $0.250 million for the Archibald accelerated regional street renewal project;

up to $0.750 million for the Watt / Munroe / Johnson, accelerated regional street renewal project;

up to $1.400 million for the Stafford / Taylor / Corydon accelerated regional street renewal project;

up to $2.200 million for the Erin / Wall / Sargent accelerated regional street renewal project;

up to $0.400 million for the Roblin Blvd. - Dieppe to PTH101 accelerated regional street renewal project;

up to $6.7 million for the Dublin Ave - Notre Dame to St. James accelerated regional street renewal project;

up to $2.7 million for the St. James St. – Dublin to Saskatchewan accelerated regional street renewal project; and

up to $12.186 million in 2019 on the 2020 Fermor Ave - Lagimodiere to Plessis accelerated regional street renewal project which includes Developer Funding in the amount of $2.586 million that covers on demand payment for the Development Charge for Regional Streets and the estimated cost to construct auxiliary lanes and miscellaneous improvements,

On September 26, 2019, Council authorized a first charge in 2019 or prior to the adoption of the 2020 Capital Budget for up to $500,000 for the St. James St. - Notre Dame to Omand's Creek accelerated regional street renewal project.

***Regional and Local Street Renewal (continued):***

On December 12, 2019 Council authorized first charges prior to the adoption of the 2020 capital budget to facilitate timely delivery of these projects:

up to $6.300 million for Broadway, Portage (Downtown Streets), etc. accelerated regional street renewal project (this is in addition to the $1.7 million authorized first charge from March 20, 2019 noted above, for a total of $8.0 million in 2020);

up to $3.400 million for Maryland St, Fawcett Ave to Maryland Br - accelerated regional street renewal project;

up to $0.250 million for Day St / Pandora Ave - accelerated regional street renewal project;

up to $0.350 million for Dunkirk Dr – Fermor Ave to St Mary's Rd - accelerated regional street renewal project;

up to $0.400 million for Salter St - Dufferin Ave to Mountain Ave - Accelerated regional street renewal project;

up to $0.500 million for Portage Ave Eastbound – Woodlawn Ave to Garden Rd - accelerated regional street renewal project;

up to $0.300 million for Pembina Hwy – Rue Des Trappistes to Ducharme Ave - accelerated regional street renewal project;

up to $0.500 million for Lagimodiere Bvld – Springfield Rd to 200m S of Headmaster Rw - accelerated regional street renewal project;

up to $0.300 million for Sargent Ave – Empress St to St James St - accelerated regional street renewal project;

up to $0.700 million for Selkirk Av – Arlington St to McPhillips St - accelerated regional street renewal project;

up to $0.900 million for Pembina Hwy – McGillivray Bvld to Chevrier Bvld - accelerated regional street renewal project;

up to $0.150 million for William Ave – Arlington St to McPhillips St - accelerated regional street renewal project;

up to $0.900 million for Jubilee Ave – Osborne St to Pembina Hw - accelerated regional street renewal project;

up to $0.900 million for Portage Ave Westbound – David St to Charles St accelerated regional street renewal project;

up to $0.500 million for Lagimodiere Bvld Southbound – Reenders Dr to Regent Ave W - accelerated regional street renewal project;

up to $0.300 million for Keewatin St – Selkirk Ave to Logan Ave - accelerated regional street renewal project;

up to $0.150 million for King Edward St – Park Lane to Logan Ave - accelerated regional street renewal project;

up to $0.300 million for Regent Ave W – Plessis Rd to Rougeau Ave - accelerated regional street renewal project;

up to $0.150 million for Henderson Hwy SB - McLeod Ave to Leighton Ave - non-accelerated regional street renewal project

See next pages for program details.

With the adoption of the 2020 Capital Budget, Council authorizes first charges on all 2021 accelerated streets (Total - $84.5 million) in 2020 or prior to the adoption of the 2021 capital budget to facilitate timely delivery of the projects.

With the adoption of the 2020 Capital Budget, Council authorizes first charges on the following non-accelerated streets in 2020 or prior to the adoption of the 2021 capital budget to facilitate timely delivery of the projects:

up to $0.500 million in 2020 on the 2021 Portage Av EB - St Charles St to David St - this project aligns with the accelerated regional street renewal project in the WB;

up to $1.000 million in 2020 on the 2021 University Cr - Pembina Hwy to Chancellor Matheson Dr.

***Local Street Renewal Program***

Local Streets are all non-regional streets including residential streets, collector streets, industrial streets, and park roads. The Local Street Renewal program includes the renewal and reconstruction of the City's local streets, sidewalks, lanes, and recreational walkways/paths, as well as constructing new sidewalks on local street renewal projects where identified in the Winnipeg Pedestrian and Cycling Strategies or where the terms for New Non-Regional Sidewalks under the Pedestrian and Cycling Program are met. The program also funds the condition rating of streets, sidewalks, lanes and recreation walkways/paths. The purpose of this program is to maintain the level of service, structural integrity, and rideability of the transportation infrastructure network.

On May 14, 2008, Council concurred in the recommendation that a policy be adopted to incorporate Active Transportation facilities into any reconstruction or rehabilitation required on any infrastructure identified as an Active Transportation facility in the Proposed Active Transportation Network. On July 15, 2015, Council adopted the Pedestrian and Cycling Strategies as the long range pedestrian and cycling transportation policy for the City of Winnipeg. Depending on the proposed street renewal treatment and the planning and priority status of the proposed sidewalk, the Local Street Renewal program may include new sidewalks where identified in the Winnipeg Pedestrian and Cycling Strategies or where the terms for New Non-Regional Sidewalks under the Pedestrian and Cycling Program are met.

***Regional and Local Street Renewal (continued):***

On November 20, 2013, Council amended the Local Improvement process by creating a pilot program for six years (2014-2019) whereby the City of Winnipeg will finance asphalt paving of granular lanes as local improvements to the maximum of 50% of the cost of the improvement; and approved that the $1 million Granular Lane Fund be used as a funding source for the City's share of the amended Local Improvement Program. On July 19th, 2018, the City of Winnipeg City Council approved a six year extension to this program (2020-2024). The Granular Roadways Improvements program, which includes Type II Road Oiling, includes the annual pulvimixing program funding of $350,000.

On April 25, 2019, Council adopted that the estimated $40 million in additional dollars in Federal Gas Tax funding included in the 2019 Federal Budget be allocated as follows:

• $19.25 million for 2019 Residential road renewals,

• $0.75 million for three active transportation functional design projects,

• $2.5 million to support road side safety measures in 2019, and

• up to $20 million for road renewals and active transportation projects in 2020.

On July 9, 2019, the City received notification from the Province of Manitoba of a one-time top-up transfer of $44.09 million in Federal Gas Tax funds. $22.5 million will be allocated to 2019 projects, as approved by Council April 25, 2019. $20 million will be allocated to Local Street Renewals in 2020 and $1.59 million will be allocated to the Pedestrian and Cycling Program in 2020. During the 2020 budget process federal gas tax funding was replaced with external debt to allow for reallocation to other capital projects. The City will borrow $20.0 million in 2020 to offset this reallocation and the Local Street Renewal Reserve will pay principal and interest charges on this new debt. 2020 debt payments are estimated at $700,000 and 2021 - 2025 are estimated at $1.120 million each year.

On December 12, 2019 Council authorized first charges prior to the adoption of the 2020 capital budget to facilitate timely delivery of these projects:

up to $19.700 million for Local Streets (locations previously identified to Standing Policy Committee on Infrastructure Renewal and Public Works on May 28, 2019 as projects deferred from 2019 that would be awarded as a first priority going forward);

up to $0.800 million for Local Sidewalks contracts

All Local Street Renewal projects have a warranty period after substantial completion and/or in-service date for which costs may be incurred by the City. The Director of Public Works is authorized to establish projects to a maximum of $100,000 each to charge costs associated with warranty work should the related Local Streets project be closed. The capital budget for the new project will be allocated from other surpluses within the program.

Any new projects using surplus funds in the 2020 Local Street Renewal Program shall be approved by the Standing Policy Committee on Infrastructure Renewal and Public Works.

A Local Street Renewal Reserve was established in 2013 to increase investment in local streets, lanes and sidewalks. A separate 1% property tax increase planned until 2022 and 1.7% thereafter, will ensure a dedicated funding stream for local streets.

Use of the Local Street Renewal Reserve for purposes other than local streets, lanes, sidewalk or bridge renewals requires approval of 2/3 of City Council.

With the adoption of the 2020 Capital Budget Council authorizes first charges in 2020 or prior to the adoption of the 2021 Capital Budget to facilitate timely delivery of these projects:

up to $7.0 million in 2020 on all the 2021 Local Street Renewals to facilitate delivery of industrial streets, residential streets, alley, and sidewalk renewals prior to the adoption of the 2021 Capital Budget

up to $4.820 million for the combined Sherwin Rd - Dublin Av to Notre Dame Av road renewal and bridge project.

up to $2.100 million for the Wellington Crescent River Bank Stabilization Project.

As per recommendations B.1 and B.2 of the Road Construction Working Group Report, approved by Council on September 26,2019, specific local streets are included in the program details.

See next pages for program details.

*Regional and Local Street Renewal (continued):*

| REGIONAL STREET RENEWAL PROGRAM<br>Authorization ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Six-Year Total |
|---|---|---|---|---|---|---|---|
| **ACCELERATED REGIONAL STREET RENEWAL (NBCF APPLICATION):** | | | | | | | |
| **Funding** | | | | | | | |
| - Federal New Building Canada Fund (NBCF) | 25,000 | 26,000 | 24,000 | 13,000 | | | 88,000 |
| - Province of Manitoba Accelerated Regional Roads | 15,000 | 29,100 | 29,100 | 9,800 | | | 83,000 |
| - Regional Street Renewal Reserve | 25,000 | 26,000 | 24,000 | 13,000 | | | 88,000 |
| - Developer Funding | 2,586 | | | | | | 2,586 |
| - Regional Street Renewal Reserve Ineligibles | 3,800 | 3,400 | 3,300 | 1,600 | | | 12,100 |
| **Sub-total Accelerated Regional Streets Renewal** | **71,386** | **84,500** | **80,400** | **37,400** | **-** | **-** | **273,686** |
| **Regional Reconstruction & Major Rehabilitation Works:** | | | | | | | |
| Fermor Ave - Lagimodiere to Plessis | 12,186 | | | | | | 12,186 |
| Downtown Streets: | 8,000 | 8,900 | 7,400 | 7,000 | | | 31,300 |
| Broadway - Osborne to Main<br>Portage - Main to Memorial<br>Donald - St Mary to Gertrude<br>Fort NB - Graham to Broadway<br>Hargrave NB - Portage to Ellice<br>Hargrave NB - Broadway to York<br>Smith NB - Notre Dame to Midtown Bridge<br>Carlton St - Portage to Ellice | | | | | | | |
| Dublin Ave - Notre Dame to St James | 6,700 | | | | | | 6,700 |
| St James St - Dublin to Saskatchewan | 2,700 | | | | | | 2,700 |
| Maryland St - Fawcett Ave to Maryland Bridge | 3,400 | | | | | | 3,400 |
| Leila Ave - McPhillips to McGregor | | | 6,200 | | | | 6,200 |
| Day St. / Pandora Ave.: | 300 | 4,850 | | | | | 5,150 |
| Day St - Pandora to Regent<br>Pandora Ave E - Day to Wayoata | | | | | | | |
| Dunkirk Dr - Fermor to St Mary's Rd | 350 | 6,200 | | | | | 6,550 |
| Roblin Blvd - Dieppe to PTH101 | 4,000 | 4,450 | | | | | 8,450 |
| Archibald Street: | 4,700 | 4,900 | 4,900 | | | | 14,500 |
| Archibald St - St Catherine to Cottonwood<br>Archibald St - Plinguet to Doucet | | | | | | | |
| Watt St. / Munroe Ave. / Johnson Ave. West: | 4,800 | 4,850 | 4,900 | 4,000 | | | 18,550 |
| Watt St - Chalmers to Munroe<br>Munroe Ave - Raleigh to Henderson<br>Johnson Ave W - Levis St to Henderson Hwy | | | | | | | |
| Stafford St. / Taylor Ave. / Corydon Ave.: | 6,700 | 8,850 | 7,300 | 4,700 | | | 27,550 |
| Stafford St - Corydon to Pembina<br>Taylor Ave - Wilton to Pembina<br>Corydon EB - Waterloo to Cambridge<br>Corydon Ave - Cambridge to Stafford | | | | | | | |
| Erin St. / Wall St. / Sargent Ave.: | 8,300 | 9,100 | 9,700 | 8,000 | | | 35,100 |
| Erin St - Notre Dame to Wolever<br>Wall St - St Matthews to Notre Dame<br>Sargent Ave - Arlington to Erin | | | | | | | |
| Salter St - Cathedral to Slaw Rebchuk Bridge | 550 | 5,900 | | | | | 6,450 |
| Portage Ave EB - Woodlawn to Century Overpass / Portage Ave WB - Moorgate to St James St | 500 | 5,150 | | | | | 5,650 |

***Regional and Local Street Renewal (continued):***

| REGIONAL STREET RENEWAL PROGRAM<br>Authorization ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Six-Year Total |
|---|---|---|---|---|---|---|---|
| Pembina Hwy - Des Trappistes St to Ducharme Ave | 300 | 1,700 | | | | | 2,000 |
| Lagimodiere Blvd - Springfield to 200m S of Headmaster | 300 | 2,000 | | | | | 2,300 |
| Sargent Ave - Empress to St James | 300 | 2,500 | | | | | 2,800 |
| Selkirk Ave - Arlington to McPhillips | 700 | 3,000 | 3,580 | | | | 7,280 |
| Pembina Hwy - McGillivray to Chevrier | 900 | | 8,600 | | | | 9,500 |
| Keewatin St NB - Inkster to Adsum | 250 | | 1,800 | | | | 2,050 |
| Pioneer Ave - Westbrook to Main | 200 | | 1,700 | | | | 1,900 |
| William Stephenson Way - Main to Westbrook | 100 | | 820 | | | | 920 |
| Stradbrook Ave - Wellington Cr to Osborne | 100 | | 800 | | | | 900 |
| Sturgeon Rd - Ness Ave to Hallonquist | 200 | | 1,900 | | | | 2,100 |
| Colony St./St. Mary Ave.: | 300 | | 2,700 | | | | 3,000 |
| Colony St - Portage to St Mary<br>St Mary Ave - Memorial to Portage | | | | | | | |
| Nairn Ave - Stadacona to Watt | 600 | | 5,400 | | | | 6,000 |
| William Ave - Arlington St to McPhillips St | 400 | | 3,300 | | | | 3,700 |
| Jubilee Ave - Osborne to Pembina | 900 | 3,200 | 4,900 | 4,000 | | | 13,000 |
| Mountain Ave - Arlington to McPhillips | | 1,000 | 4,500 | 5,000 | | | 10,500 |
| McGregor St - Seven Oaks to McAdam | | 250 | | 2,250 | | | 2,500 |
| McGregor St - Church to Mountain | | 250 | | 2,450 | | | 2,700 |
| **Regional Mill and Fill / Overlay Preservation Works:** | | | | | | | |
| Portage Ave WB - David to St Charles | 900 | | | | | | 900 |
| Lagimodiere Blvd SB - Reenders Dr to Regent Ave W | 500 | | | | | | 500 |
| St James St - Notre Dame to Omand's Creek | 500 | | | | | | 500 |
| Keewatin St - Selkirk to Logan Ave | 300 | 2,800 | | | | | 3,100 |
| King Edward St - Park Lane to Logan Ave | 150 | 1,450 | | | | | 1,600 |
| Regent Ave W - Plessis to Rougeau | 300 | 3,200 | | | | | 3,500 |
| **Total Accelerated Regional Street Renewal Program** | **71,386** | **84,500** | **80,400** | **37,400** | **-** | **-** | **273,686** |

*Regional and Local Street Renewal (continued):*

| REGIONAL STREET RENEWAL PROGRAM Authorization ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Six-Year Total |
|---|---|---|---|---|---|---|---|
| **NON-ACCELERATED REGIONAL STREET RENEWAL:** | | | | | | | |
| **Funding** | | | | | | | |
| - Regional Street Renewal Reserve | 6,538 | 11,938 | 18,238 | 34,938 | 50,917 | 53,638 | 176,207 |
| - Province of Manitoba - 2018 Roads Funding Shortfall | (6,538) | | | | | | (6,538) |
| - Prior Years Surplus | 2,000 | | | | | | 2,000 |
| **Total Non-accelerated Regional Street Renewal** | **2,000** | **11,938** | **18,238** | **34,938** | **50,917** | **53,638** | **171,669** |
| **Regional Reconstruction & Major Rehabilitation Works:** | | | | | | | |
| Henderson Hwy SB - McLeod to Leighton | 150 | 1,250 | | | | | 1,400 |
| Henderson Hwy - N of Gilmore to City Limit (Preliminary Design) | | 700 | | | | | 700 |
| Portage Ave EB - St Charles to David | | 2,150 | | | | | 2,150 |
| Redwood Av - Main St to Salter St | | 450 | 2,850 | | | | 3,300 |
| University Cr - Pembina to Chancellor Matheson | | 4,000 | 5,900 | | | | 9,900 |
| Grant Ave EB - Lanark to 1863 Grant / Grant WB - Montrose to 1863 Grant | | 900 | 3,400 | 2,800 | | | 7,100 |
| River Av - Osborne St to Wellington Cr / Wellingtion Cr - River Av to Stradbrook St | | | 1,400 | | | | 1,400 |
| Salter St - Inkster to Jefferson | | | 500 | 5,100 | | | 5,600 |
| Logan Ave - Disraeli Fr to Main | | | 200 | 2,100 | | | 2,300 |
| Selkirk Ave - Main to Salter | | | 550 | 5,500 | | | 6,050 |
| St Anne's Rd - St Mary's to Fermor | | | 500 | 4,800 | | | 5,300 |
| Dakota St - St Mary's to Bishop Grandin | | | 300 | 1,900 | | | 2,200 |
| Des Meurons St - Goulet to Marion / Goulet WB - Youville to Braemar | | | 200 | 2,300 | | | 2,500 |
| Lagimodiere Blvd NB - Fermor to Cottonwood | | | 250 | 2,250 | | | 2,500 |
| Sargent Ave - Edmonton to Furby | | | | | | | |
| Edmonton St - Cumberland to Ellice | | | 200 | 2,850 | | | 3,050 |
| McPhillips St SB - Machray to Mountain | | | 100 | 1,100 | | | 1,200 |
| Empress St - St Matthews to Saskatchewan (Preliminary Design) | | | | 400 | | | 400 |
| Inkster Blvd - Arlington St to McKenzie St | | | 200 | 1,000 | | | 1,200 |
| **Regional Mill and Fill Preservation Works:** | | | | | | | |
| Lagimodiere Blvd NB - Regent Ave W to Almey | 600 | | | | | | 600 |
| **Regional Accessibility Improvements:** | | | | | | | |
| Regional Sidewalk and Curb Renewals | 500 | 500 | 500 | 500 | 500 | 500 | 3,000 |
| Regional Paving of Granular Shoulders | 250 | 250 | 250 | 250 | 250 | 250 | 1,500 |
| Detectable Warning Surface Tiles - Regional Streets | 100 | 100 | 100 | 100 | 100 | 100 | 600 |
| **Downtown Streets:** | | | | | | | |
| Sidewalk, Curb, and Street Renewals | 300 | 1,500 | 700 | 1,500 | 1,500 | 1,500 | 7,000 |
| **Regional Provisional Maintenance:** | | | | | | | |
| Kenaston Blvd - Ness to Taylor | 100 | 100 | 100 | 100 | 100 | 100 | 600 |
| Regional Street Renewals - Annual Program - Various locations to be identified. | | 38 | 38 | 388 | 48,467 | 51,188 | 100,119 |
| **Total Non-accelerated Regional Street Renewal Program** | **2,000** | **11,938** | **18,238** | **34,938** | **50,917** | **53,638** | **171,669** |
| **Total Accelerated and Non-accelerated Regional Street Renewal Program** | **73,386** | **96,438** | **98,638** | **72,338** | **50,917** | **53,638** | **445,355** |

***Regional and Local Street Renewal (continued):***

| LOCAL STREET RENEWAL PROGRAM<br>Authorization ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Six-Year Total |
|---|---|---|---|---|---|---|---|
| **Funding** | | | | | | | |
| - Local Street Renewal Reserve | 38,998 | 44,578 | 50,778 | 61,778 | 73,178 | 84,878 | 354,188 |
| - Federal Gas Tax | 8,314 | 7,323 | 12,000 | 1,885 | | 5,588 | 35,110 |
| - Frontage Levy | 269 | 2,677 | | | | | 2,946 |
| - Province of Manitoba - 2018 Roads Funding Shortfall | (13,462) | | | | | | (13,462) |
| - External Debt | 22,817 | | | | | | 22,817 |
| **Total Local Street Renewal Program** | **56,936** | **54,578** | **62,778** | **63,663** | **73,178** | **90,466** | **401,599** |
| **Local Street Renewals** | | | | | | | |
| Wellington Crescent - Riverbank Stabilization (jointly funded with the Property, Planning and Development and Water and Waste Departments - see page 2-99 "Riverbank Stabilization - Physical Asset Protection" and page 2-199 "Outfall Rehabilitation") | 3,000 | 2,100 | | | | | 5,100 |
| Industrial Streets | | | | | | | |
| Sherwin Rd - Dublin Av to Notre Dame Av | 2,418 | 4,820 | | | | | 7,238 |
| Park Lane Av - Selkirk Av to End | 2,870 | | | | | | 2,870 |
| Park Lane Av - Park Lane Av to Hekla | | 980 | | | | | 980 |
| Muir Rd - Church Av to Plymouth St | | 990 | | | | | 990 |
| Plymouth St - Inkster Bv to Burrows Av | | 5,060 | | | | | 5,060 |
| Bunting St - Inkster Bv to Church Av | | 2,080 | | | | | 2,080 |
| **Sub-total Industrial Street Renewals & Various locations to be identified.** | 5,288 | 13,930 | 15,000 | 15,000 | 15,000 | 15,000 | 79,218 |
| Parks Streets | 1,600 | | 800 | 800 | 800 | 800 | 4,800 |
| 2020 Residential Streets | | | | | | | - |
| Burrows Av WB - Main St to Powers St | | | | | | | - |
| Forest Cove Dr - Garton Av to Jonathan Cr | | | | | | | - |
| Powers St - Leila Av to Partridge Av | | | | | | | - |
| Selkirk Av - Buller St to Sheppard St | | | | | | | - |
| Malden Cs - Mannerley Wy to Mannerley Wy | | | | | | | - |
| Marlow Ct - Mapleglen Dr to Mapleglen Dr | | | | | | | - |
| Kirkfield St - Portage Av to McBey Av | | | | | | | - |
| Lilac St - Mulvey Av to Fleet Av | | | | | | | - |
| Olive St - Braintree Cr to Ness Av | | | | | | | - |
| Inglewood St - Silver Av to Ness Av | | | | | | | - |
| Palliser Av - Mount Royal Rd to Mount Royal Rd | | | | | | | - |
| Wellington Av - Arlington St to Alverstone St | | | | | | | - |
| Lanark St - Corydon Av to John Brebeuf Pl Maurepas | | | | | | | - |
| Cr - Edgeland Bv to Edgeland Bv McDowell Dr - 47 | | | | | | | - |
| McDowell Dr to Westlund Wy Mountbatten Av - Bower | | | | | | | - |
| Bv to Shaftesbury Bv | | | | | | | - |
| Des Meurons St - Carriere Av to Morier Av | | | | | | | - |
| Lyndale Dr - Main St Bridge to Walmer St | | | | | | | - |
| Speers Rd - Elizabeth Rd to Winakwa Rd | | | | | | | - |
| Stewart St - Portage Av to Allard Av | | | | | | | - |
| Colchester By - Holland Bv to Holland Bv | | | | | | | - |

***Regional and Local Street Renewal (continued):***

| LOCAL STREET RENEWAL PROGRAM<br>Authorization ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Six-Year Total |
|---|---|---|---|---|---|---|---|
| Stockton Pl - Colchester By to End | | | | | | | - |
| Wolever Av - Minto St to Wall St | | | | | | | - |
| Minto St - Armoury Av to St Matthews Av | | | | | | | - |
| Grey St - Nottingham Av to Union Av E | | | | | | | - |
| John Taylor Pl - Werrell Cr to Tu Pelo Av | | | | | | | - |
| Government Av - Louelda St to Besant St | | | | | | | - |
| Besant St - Consol Av to Munroe Av | | | | | | | - |
| Besant St - N Limit to Consol Av | | | | | | | - |
| Ashland Av - Churchill Dr to Darling St | | | | | | | - |
| Ashland Av - Darling St to Eccles St | | | | | | | - |
| Ashland Av - Eccles St to Mabel St | | | | | | | - |
| Gertrude Av - Nassau St N to Osborne St | | | | | | | - |
| Tanner St - Margaret Av to End South of Templeton | | | | | | | - |
| Bannerman Av - Duke St to McPhillips St | | | | | | | - |
| Duke St - Polson Av to Bannerman Av | | | | | | | - |
| Atlantic Av - Duke St to McPhillips St | | | | | | | - |
| Cathedral Av - Arlington St to Rail Xing West of Sinclair St | | | | | | | - |
| Aikins St - Enniskillen Av to McAdam Av | | | | | | | - |
| Springfield Rd - Gateway Rd to Brian St | | | | | | | - |
| Morrison St - Buttercup Av to Arrowwood Dr N | | | | | | | - |
| Councillor By - Manila Rd to Manila Rd | | | | | | | - |
| Caslon Pl - Councillor By to Councillor By | | | | | | | - |
| Alexander Av - Princess St to Stanley St | | | | | | | - |
| Manitoba Av - Sheppard St to Chudley St | | | | | | | - |
| Maybank Dr - Marshall Cr to Donnelly St | | | | | | | - |
| Farwell By - Donnelly St to Donnelly St | | | | | | | - |
| Fleury Pl - Fontaine Cr to De Bourmont Av | | | | | | | - |
| Fleury Pl - De Bourmont Av to Fontaine Cr | | | | | | | - |
| Drake Bv - Autumnwood Rd to Cottonwood Rd | | | | | | | - |
| Booth Dr - Bruce Av to Lodge Av | | | | | | | - |
| Booth Dr - Lodge Av to Portage Av | | | | | | | - |
| Sharp Bv - Ness Av to Bruce Av | | | | | | | - |
| Blackwater By - End to Charing Cross Cr | | | | | | | - |
| Blackwater By - Blackwater By to Charing Cross Cr | | | | | | | - |
| Oakridge By - Metz St to Metz St | | | | | | | - |
| Rosewarne Av - Kingston Rw to St Marys Rd | | | | | | | - |
| Hatcher Rd - Bournais Dr to Rougeau Av | | | | | | | - |
| Rougeau Av - Bournais Dr to Hatcher Rd | | | | | | | - |
| Lakeside Dr - Forest Lake Dr to Chancellor Dr | | | | | | | - |
| Lakeside Dr - Augusta Dr to Forest Lake Dr | | | | | | | - |

***Regional and Local Street Renewal (continued):***

| LOCAL STREET RENEWAL PROGRAM<br>Authorization ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Six-Year Total |
|---|---|---|---|---|---|---|---|
| 2021 Residential Streets | | | | | | | - |
| Doncaster St - Corydon Av to Blanche Av | | | | | | | - |
| Jolliett Cr - Sansome Av to Rouge Rd | | | | | | | - |
| Rouge Rd - Erlandson Dr to Assiniboine Av | | | | | | | - |
| Dominion St - Armoury Av to St Matthews Av | | | | | | | - |
| Dominion St - Sargent Av to Ellice Av | | | | | | | - |
| Bowman Av - Brazier St to Henderson Hw | | | | | | | - |
| Bowman Av - Roch St to Brazier St | | | | | | | - |
| Larsen Av - Brazier St to Roch St | | | | | | | - |
| Dowker Av - Crowson By (E leg) to South Dr | | | | | | | - |
| Riley Cr - Wicklow St to Dowker Av | | | | | | | - |
| Beaconsfield St - Lisgar Av to Lusted Av | | | | | | | - |
| Sinclair St - Atlantic Av to Cathedral Av | | | | | | | - |
| Sinclair St - Cathedral Av to Machray Av | | | | | | | - |
| Sinclair St - Polson Av to Atlantic Av | | | | | | | - |
| Sinclair St - Inkster Bv to Polson Av | | | | | | | - |
| Machray Av - Arlington St to Sinclair St | | | | | | | - |
| Atlantic Av - Salter St to McGregor St | | | | | | | - |
| Edkar Cr - McIvor Av to Pentland St | | | | | | | - |
| Springfield Rd - Brian St to Rothesay St | | | | | | | - |
| Kingsbury Av - Petunia St to McPhillips St | | | | | | | - |
| Kingsbury Av - Petunia St to Sinclair St | | | | | | | - |
| Ross Av W - Worth St to Keewatin St | | | | | | | - |
| Cecil St - Alexander Av to Notre Dame Av | | | | | | | - |
| Grosvenor Av - Ash St to Cordova St | | | | | | | - |
| Grosvenor Av - Cordova St to Lindsay St | | | | | | | - |
| Nathaniel St - Grant Av to Lorette Av | | | | | | | - |
| Nathaniel St - Fleet Av to Dudley Av | | | | | | | - |
| Grosvenor Av - Stafford St to Harrow St | | | | | | | - |
| Marwood Cr - Edgemont Dr to Edgemont Dr | | | | | | | - |
| Sweetwater By - Edgewater Dr to Edgewater Dr | | | | | | | - |
| Ashwood Cv - Sweetwater By to End | | | | | | | - |
| Cormorant By - Edgewater Dr to Edgewater Dr | | | | | | | - |
| Watercress Rd - Edgewater Dr to Cormorant By | | | | | | | - |
| Strauss Dr - 80 Strauss Dr to Thompson Dr | | | | | | | - |
| Strauss Dr - Strauss Dr to 80 Strauss Dr | | | | | | | - |
| Thompson Dr - Strauss Dr to Ness Av | | | | | | | - |
| Southwalk By - Charing Cross Cr to Charing Cross Cr | | | | | | | - |
| Regis Dr - Charing Cross Cr to Paddington Rd | | | | | | | - |
| Kingston Rw - Edinburgh St to Rosewarne Av | | | | | | | - |
| Kingston Rw - Rosewarne Av to St Marys Rd | | | | | | | - |

***Regional and Local Street Renewal (continued):***

| LOCAL STREET RENEWAL PROGRAM<br>Authorization ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Six-Year Total |
|---|---|---|---|---|---|---|---|
| Leola St - Harold Av E to Kildare Av E | | | | | | | - |
| Leola St - Kildare Av E to Regent Av E | | | | | | | - |
| Madeline St - McMeans Av W to Harold Av W | | | | | | | - |
| Bayview Dr (W leg) - Bayview Dr to St Martin Bv | | | | | | | - |
| Syracuse Cr - Chancellor Dr to Chancellor Dr | | | | | | | - |
| **Sub-total Residential Street Renewals & Various locations to be identified.** | 31,628 | 27,998 | 36,428 | 37,313 | 46,828 | 64,116 | 244,311 |
| **Local Thin Bituminous Overlay (TBO)** | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 30,000 |
| **Granular Roadway Improvements:** | | | | | | | |
| Type II Road Oiling | 500 | 500 | 500 | 500 | 500 | 500 | 3,000 |
| Granular Lane Improvement Program | 900 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,900 |
| **Sub-total Granular Roadway Improvements** | 1,400 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 8,900 |
| **Lanes, Sidewalks, & Active Transportation Renewals:** | | | | | | | |
| 2020 Lane Renewals | | | | | | | |
| Oak St/Elm St from Academy Rd to Kingsway | | | | | | | |
| Borebank St/Campbell St from Academy Rd to Kingsway | | | | | | | |
| Ash St/Montrose St from Grosvenor Av to Corydon Av | | | | | | | |
| Ash St/Oak St from Corydon Av to Fleet Av | | | | | | | |
| Waverley St/Oxford St from Grosvenor Av to Corydon Av | | | | | | | |
| Weinberg Rd/Armstrong Av from Salter St to Leila Av | | | | | | | |
| Telfer St S/Wolseley Av from Portage Av to Clifton St | | | | | | | |
| Toronto St/Victor St from Ellice Av to St Matthews Av | | | | | | | |
| Sherbrook St/Furby St from Ellice Av to Portage Av | | | | | | | |
| Dominion St/Garfield St N from St Matthews Av to Wolever Av | | | | | | | |
| Sherburn St/Ingersoll St from Sargent Av to Ellice Av | | | | | | | |
| 2021 Lane Renewals | | | | | | | |
| Craig St/Portage Av from Wolseley Av to Stiles St | | | | | | | |
| Walnut St/Westminster Av from Dundurn Pl to Maryland St | | | | | | | |
| Wellington Av/Dominion St from Garfield St N to Sargent Av | | | | | | | |
| Yarwood Av/Lipton St from Banning St to Wellington Av | | | | | | | |
| Powers St/Dufferin Av from Jarvis Av to Salter St | | | | | | | |
| Rockwood St/Dorchester Av from McMillan Av to Wilton St | | | | | | | |
| Harvard Av/Stafford St from Avonherst St to Yale Av | | | | | | | |
| Pulberry St/Arden Av from St Michael Rd to St Marys Rd | | | | | | | |
| Pulberry St/Arden Av from St Michael Rd to St Marys Rd | | | | | | | |
| **Sub-total Lane Renewals & various locations to be identified.** | 7,720 | 2,750 | 2,750 | 2,750 | 2,750 | 2,750 | 21,470 |
| Sidewalk Renewals on Local Streets - Various Locations | 800 | 800 | 800 | 800 | 800 | 800 | 4,800 |
| Recreational Walkways and Bike Pathway Renewals | 500 | 500 | 500 | 500 | 500 | 500 | 3,000 |
| **Sub-total Lanes, Sidewalks & Active Transportation Renewals** | **9,020** | **4,050** | **4,050** | **4,050** | **4,050** | **4,050** | **29,270** |
| **Total Local Street Renewal Program** | **56,936** | **54,578** | **62,778** | **63,663** | **73,178** | **90,466** | **401,599** |
| **Total Regional and Local Street Renewal Program** | **130,322** | **151,016** | **161,416** | **136,001** | **124,095** | **144,104** | **846,954** |

Project Name: **Osborne Street Underpass**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805002325

Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

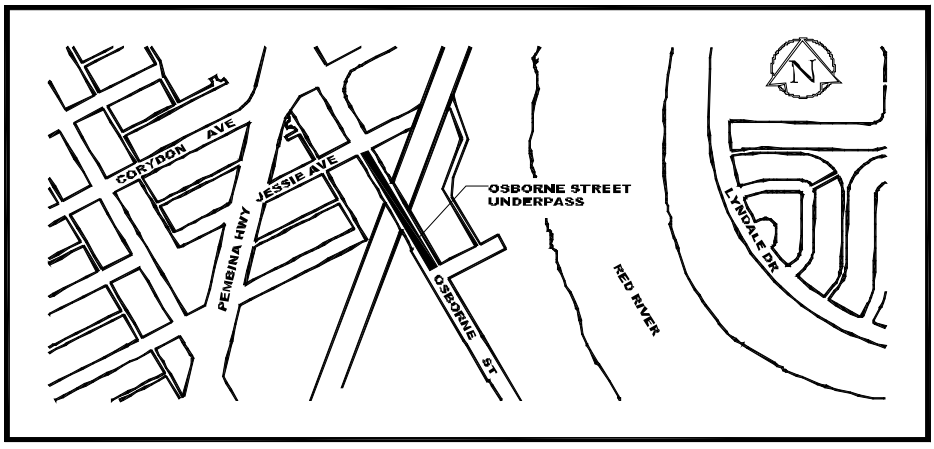
| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 1,100 | 1,100 | 1,100 |
| Financed by: | | | | | | | | | |
| Frontage Levy | | | | | | | 500 | 500 | 500 |
| Federal Gas Tax | | | | | | | 600 | 600 | 600 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 935 | 165 | 1,100 |
| Financed by: | | | | | | | | |
| Frontage Levy | | | | | | 425 | 75 | 500 |
| Federal Gas Tax | | | | | | 510 | 90 | 600 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 4

The scope of work for this project has been revised to examine cost effective functional design alternatives for an active transportation grade separation, in the vicinity of the existing Osborne Street Underpass, to address a gap in the Active Transportation Network to cross the CN mainline. In addition, functional design will be undertaken to review rehabilitation of the existing Osborne underpass to address deficiencies in land drainage, vertical clearance, pavement condition, and traffic operations through the Osborne/Pembina/Corydon/Donald intersection.



Project Name: **Dublin Avenue Bridge (Omand's Creek)**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805002118
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,400 | 3,300 | - | - | - | - | - | - | 3,300 |
| Financed by: | | | | | | | | | |
| Frontage Levy | | 3,300 | | | | | | - | 3,300 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,300 | - | - | - | - | - | - | 3,300 |
| Financed by: | | | | | | | | |
| Frontage Levy | 3,300 | | | | | | | 3,300 |

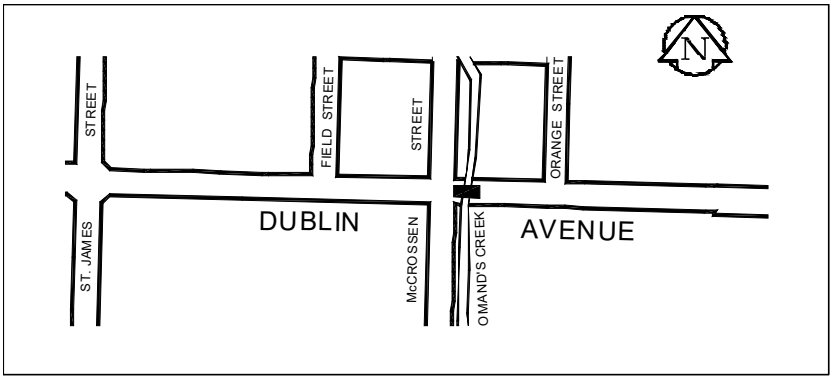
| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | 107 | | | | | |
| **Net Cost/(Benefit)** | (107) | - | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

This project includes the replacement of the Dublin Avenue Bridge over Omand's Creek and the reconstruction of Dublin Avenue between Notre Dame Avenue and St James Street, and the rehabilitation of St. James Street from Dublin to Saskatchewan, funded by the Regional and Local Street Renewal program.

On March 20, 2019, Council authorized a first charge of up to $3.3 million in 2019 or prior to the adoption of the 2020 Capital Budget to allow for timely delivery of the project.

The replacement bridge is expected to provide service for 75 years.



Project Name: **Pembina Highway Overpass (Bishop Grandin) Rehabilitation**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805002523
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 1,000 | 2,000 | 17,400 | 20,400 | 20,400 |
| Financed by: | | | | | | | | | |
| Frontage Levy | | | | | 500 | 500 | 5,021 | 6,021 | 6,021 |
| Regional Street Renewal Reserve | | | | | | 621 | | 621 | 621 |
| Federal Gas Tax | | | | | 500 | 879 | 12,379 | 13,758 | 13,758 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 850 | 1,850 | 15,090 | 2,610 | 20,400 |
| Financed by: | | | | | | | | |
| Frontage Levy | | | | 425 | 500 | 4,343 | 753 | 6,021 |
| Regional Street Renewal Reserve | | | | | 528 | 93 | | 621 |
| Federal Gas Tax | | | | 425 | 822 | 10,654 | 1,857 | 13,758 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | | | | | | 277 |
| **Net Cost/(Benefit)** | - | - | - | - | - | (277) |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

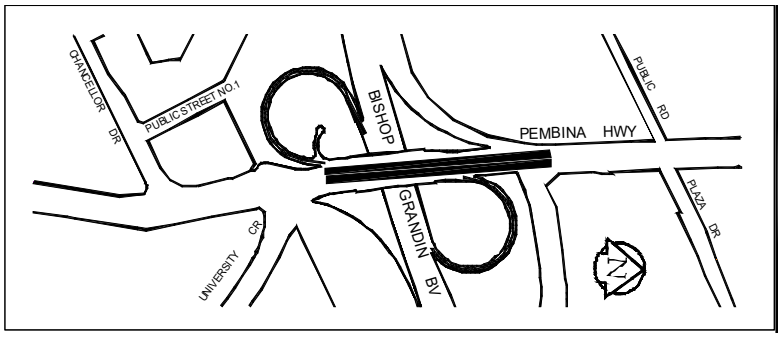
Class Estimate: See table below

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| **Class Estimate** | | | | 3 | 4 | 5 |
| Preliminary Design | | | | 1,000 | | |
| Detailed Design | | | | | 2,000 | |
| Construction | | | | | | 17,400 |

The overpass on Pembina Highway over Bishop Grandin requires bridge deck rehabilitation, including reconstruction of the exit loop ramps. The timeline for preliminary design, detailed design, and construction is noted in the Class Estimate table above.

Note that construction of a pedestrian-cycling overpass over Pembina Highway, connecting legs of the Bishop Grandin Greenway, is not included in the project scope.

The rehabilitated structure will provide an additional 50 years of service life and the new pedestrian overpass structure will provide a service life of 75 years.



Project Name: **St. Vital Bridge Rehabilitation**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805002721

Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 2,000 | 6,212 | 13,600 | 19,200 | - | 41,012 | 41,012 |
| Financed by: | | | | | | | | | |
| Frontage Levy | | | 2,000 | 4,573 | 4,631 | 4,550 | | 15,754 | 15,754 |
| Regional Street Renewal Reserve | | | | 1,639 | | | | 1,639 | 1,639 |
| Federal Gas Tax | | | | | 8,969 | 14,650 | | 23,619 | 23,619 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,700 | 5,580 | 12,491 | 18,360 | 2,881 | - | 41,012 |
| Financed by: | | | | | | | | |
| Frontage Levy | | 1,700 | 4,187 | 4,622 | 4,562 | 683 | | 15,754 |
| Regional Street Renewal Reserve | | | 1,393 | 246 | | | | 1,639 |
| Federal Gas Tax | | | | 7,623 | 13,798 | 2,198 | | 23,619 |

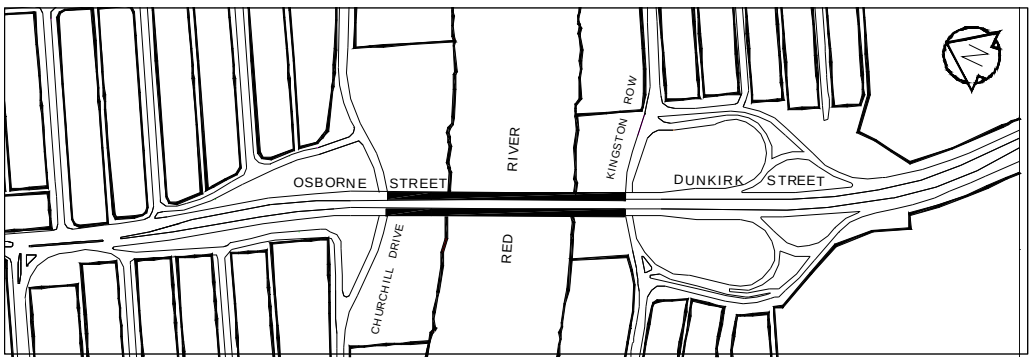
| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | | | | 254 | 321 | 50 |
| **Net Cost/(Benefit)** | - | - | - | (254) | (321) | (50) |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: See table below

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| **Class Estimate** | | **4** | **4** | **5** | **5** | |
| Preliminary Design | | 2,000 | | | | |
| Detailed Design | | | 6,212 | | | |
| Construction | | | | 13,600 | 19,200 | |

The St. Vital Bridge (Red River) connecting Osborne Street to Dunkirk Drive will require bridge deck rehabilitation, including marginal widening, to better accommodate pedestrian and cycling requirements. The timeline for preliminary design, detailed design, and construction is noted in the Class Estimate table above. Construction is expected to be staged over a two year period from 2023 to 2024.

The rehabilitated structure will provide an additional 50 years of service life.



Project Name: **Lagimodiere Twin Overpasses Rehabilitation (Concordia Avenue & CPR Keewatin)**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805002122
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 2,000 | 2,000 | 2,000 | - | 6,000 | 6,000 |
| Financed by: | | | | | | | | | |
| Frontage Levy | | | | 1,000 | 500 | 500 | | 2,000 | 2,000 |
| Regional Street Renewal Reserve | | | | 361 | | | | 361 | 361 |
| Federal Gas Tax | | | | 639 | 1,500 | 1,500 | | 3,639 | 3,639 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,700 | 2,000 | 2,000 | 300 | - | 6,000 |
| Financed by: | | | | | | | | |
| Frontage Levy | | | 850 | 575 | 500 | 75 | | 2,000 |
| Regional Street Renewal Reserve | | | 307 | 54 | | | | 361 |
| Federal Gas Tax | | | 543 | 1,371 | 1,500 | 225 | | 3,639 |

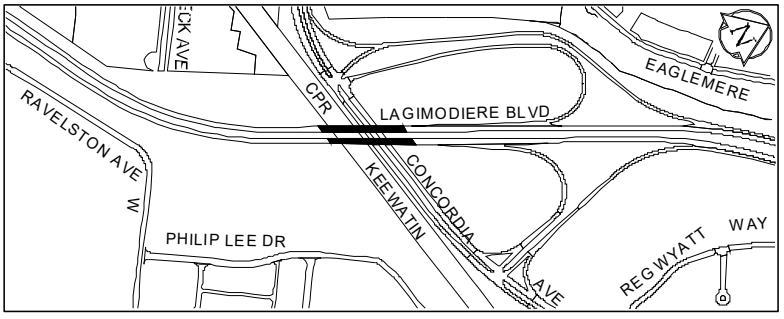
| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | - | - | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: See table below

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| **Class Estimate** | | | **4** | **4** | **4** | |
| Preliminary Design | | | 2,000 | 2,000 | | |
| Detailed Design | | | | | 2,000 | |

This project includes major rehabilitation of the Lagimodiere Twin Overpasses over Concordia Avenue and the CPR Keewatin rail lines. Improvements to traffic capacity and roadside safety will be determined as part of a preliminary design study. The timeline for preliminary and detailed design is noted in the class estimate table above. Construction is forecasted to take place over a two year period from 2026 to 2027 with a total project class 5 estimate of $44 million.

The rehabilitated structure will provide an additional 50 years of service life.



Project Name: **Waterway Crossing and Grade Separations - Annual Program**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805000120

Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 2,970 | 3,513 | 3,000 | 3,000 | 3,000 | 3,000 | 15,513 | 18,483 |
| Financed by: | | | | | | | | | |
| Frontage Levy | | 2,970 | 3,513 | 3,000 | 3,000 | 3,000 | 3,000 | 15,513 | 18,483 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,525 | 3,431 | 3,077 | 3,000 | 3,000 | 3,000 | 450 | 18,483 |
| Financed by: | | | | | | | | |
| Frontage Levy | 2,525 | 3,431 | 3,077 | 3,000 | 3,000 | 3,000 | 450 | 18,483 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | 82 | 112 | 100 | 98 | 98 | 98 |
| **Net Cost/(Benefit)** | (82) | (112) | (100) | (98) | (98) | (98) |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Annual program to carry out preventative maintenance, major repairs, improvements or replacement to existing bridges, subways, overpasses, culverts and related bridge infrastructure ensuring continued and continuous services of these facilities to the maximum practical extent.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Disraeli Bridge and Overpass Facility**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805001120

Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 650 | 348 | 600 | 600 | 600 | 600 | 2,748 | 3,398 |
| Federal Gas Tax | | 12,467 | 12,822 | 12,625 | 12,725 | 12,737 | 12,795 | 63,704 | 76,171 |
| Public Private Partnership Annual Service / Financing Payments | | (11,931) | (11,984) | (12,039) | (12,139) | (12,151) | (12,209) | (60,522) | (72,453) |
| Debt servicing - repayment of debt | | (1,186) | (1,186) | (1,186) | (1,186) | (1,186) | (1,186) | (5,930) | (7,116) |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 13,117 | 13,170 | 13,225 | 13,325 | 13,337 | 13,395 | 270,432 | 350,001 |
| Financed by: | | | | | | | | |
| Cash to Capital | 650 | 348 | 600 | 600 | 600 | 600 | 15,000 | 18,398 |
| Federal Gas Tax | 12,467 | 12,822 | 12,625 | 12,725 | 12,737 | 12,795 | 255,432 | 331,603 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 650 | 348 | 600 | 600 | 600 | 600 |
| **Total Direct Costs** | 650 | 348 | 600 | 600 | 600 | 600 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | 650 | 348 | 600 | 600 | 600 | 600 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable

The Disraeli Bridges and Overpass Facility was procured using a P3 approach and the facility opened on November 19, 2012.

The City will make on-going lease payments to Plenary Roads Winnipeg (PRW) extending until 2042. These payments are required under a 30-year contract with PRW and cover the remaining capital cost of the facility as well as the maintenance of the facility.

There are significant provisions in the contract to ensure the City's performance specifications are met and the facility is returned to the City in good condition at the end of the contract. Costs associated with monitoring this contract, including the salary recovery of the Senior Project Review/P3 Specialist and other P3 costs related to land titles registration are also included in this budget. Payments to PRW are performance based and are reduced where the City's performance specifications are not met.

A portion of the payment to PRW represents an annual amount dedicated to the maintenance of the facility, including long-term rehabilitative costs. This amount is adjusted for changes to the Consumer Price Index on an annual basis.

A portion of the project ($75 million) was financed by $25 million in external debt, with the balance being financed internally. The Public Service issued $25 million in external debt at an interest rate of 3.759% over a repayment term of 40 years. Debt servicing represents interest and principal repayment of external debt and internal financing.

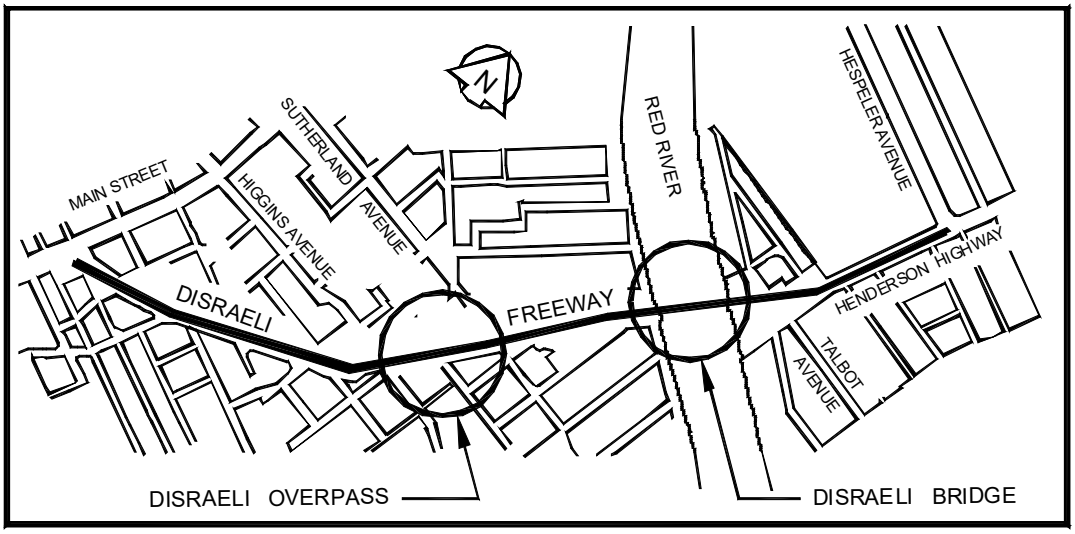
***Disraeli Bridge and Overpass Facility (continued):***

The above annual estimates relate to the maintenance phase of the project and include the authorization for the lease payments and debt servicing related to the facility.

On March 22, 2016, Council authorized a first charge of up to 30% of the annual lease payments prior to the adoption of annual capital budget in the event the capital budget is adopted after December 31 in order to facilitate payments on the P3 contract.

In accordance with Bylaw 8164/2002 where the City's capital budget has not been adopted before January 1 of the year to which the budget is applicable, the Chief Administrative Officer is authorized, before the adoption of the capital budget, to approve expenditures not exceeding 30% of the amount the City of Winnipeg is contractually obligated to pay annually in respect of Public-Private Partnerships, as a first charge against the General Capital Fund.

As financing and administration costs are implicit in the lease payments, this project is exempt from the Corporate Administration and Interest charges.



Project Name: **Charleswood Bridge**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805001020

Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | | 5,912 | 7,390 |
| Public Private Partnership Lease Payments | | (1,478) | (1,478) | (1,478) | (1,478) | (1,478) | | (5,912) | (7,390) |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | - | - | 7,390 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | | | 7,390 |

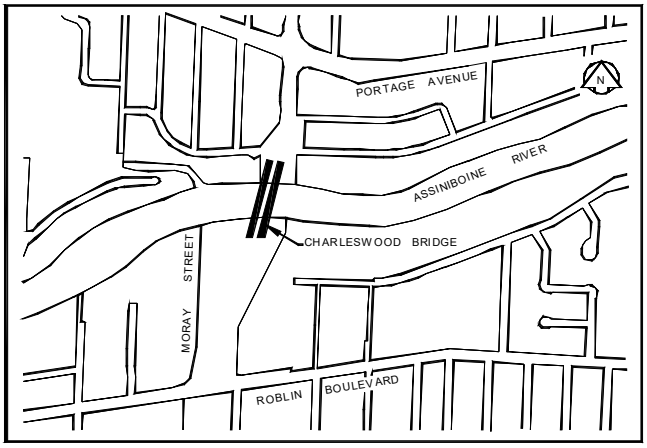
| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | |
| **Total Direct Costs** | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | - |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable

The Charleswood Bridge was constructed in 1994 and 1995 along with the roadworks between Roblin Boulevard and Ness Avenue.

The bridge portion of the project was undertaken as a Public-Private Partnership, with lease payments extending until 2024.

The above annual estimates include the authorization for the lease payments to be incurred and charged to the project in the General Capital Fund.



Project Name: **Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1801000220
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,250 | 600 | 616 | 600 | 600 | 600 | 3,016 | 4,266 |
| Federal Gas Tax | | 6,043 | 6,737 | 6,766 | 6,829 | 6,876 | 6,925 | 34,133 | 40,176 |
| Public Private Partnership Annual Service / Financing Payments | | (6,314) | (6,358) | (6,403) | (6,450) | (6,497) | (6,546) | (32,254) | (38,568) |
| Debt servicing - repayment of debt | | (979) | (979) | (979) | (979) | (979) | (979) | (4,895) | (5,874) |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 7,293 | 7,337 | 7,382 | 7,429 | 7,476 | 7,525 | 143,838 | 188,280 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,250 | 600 | 616 | 600 | 600 | 600 | 63,401 | 67,667 |
| Federal Gas Tax | 6,043 | 6,737 | 6,766 | 6,829 | 6,876 | 6,925 | 80,437 | 120,613 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 1,250 | 600 | 616 | 600 | 600 | 600 |
| **Total Direct Costs** | 1,250 | 600 | 616 | 600 | 600 | 600 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | 1,250 | 600 | 616 | 600 | 600 | 600 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable

The Chief Peguis Trail Extension from Henderson Highway to Lagimodiere Boulevard was procured using a P3 approach and the facility opened on December 2, 2011.

There are significant provisions in the contract to ensure the City's performance specifications are met and the facility is returned to the City in good condition at the end of the contract. Costs associated with monitoring this contract, including the salary recovery for the Senior Project Review/P3 Specialist and other P3 costs related to land titles registration are also included in this budget. Payments to DBF2 are performance based and are reduced where the City's performance specifications are not met.

A portion of the payment to DBF2 represents an annual amount dedicated to the maintenance of the facility, including long-term rehabilitative costs. This amount is adjusted for changes to the Consumer Price Index on an annual basis.

A portion of the project was financed by the City issuing $18.7 million in external debt. The debt servicing above represents the repayment of principal and interest on the external debt associated with the project over a period of 40 years.

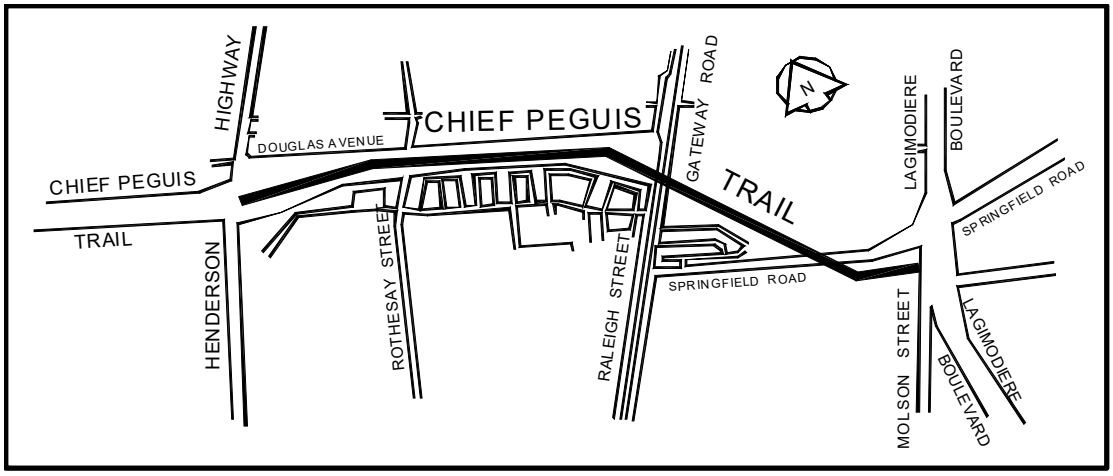
The above annual estimates include the authorization for the lease and financing payments to be incurred and charged to the Projects in the General Capital Fund.

***Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard (continued):***

On March 22, 2016, Council authorized a first charge of up to 30% of the annual lease payments prior to the adoption of annual capital budget in the event the capital budget is adopted after December 31 in order to facilitate payments on the P3 contract.

In accordance with Bylaw 8164/2002 where the City's capital budget has not been adopted before January 1 of the year to which the budget is applicable, the Chief Administrative Officer is authorized, before the adoption of the capital budget, to approve expenditures not exceeding 30% of the amount the City of Winnipeg is contractually obligated to pay annually in respect of Public-Private Partnerships, as a first charge against the General Capital Fund.

As financing and administration costs are implicit in the lease payments, this capital project is exempt from the Corporate Administration and Interest charges.



Project Name: **Asset Management System - Various Divisions**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1812000120
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 100 | 100 | 100 | 100 | 100 | 100 | 500 | 600 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 75 | 75 | 75 | 75 | 75 | 75 | 375 | 450 |
| Federal Gas Tax | | 25 | 25 | 25 | 25 | 25 | 25 | 125 | 150 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 85 | 100 | 100 | 100 | 100 | 100 | 15 | 600 |
| Financed by: | | | | | | | | |
| Cash to Capital | 64 | 75 | 75 | 75 | 75 | 75 | 11 | 450 |
| Federal Gas Tax | 21 | 25 | 25 | 25 | 25 | 25 | 4 | 150 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 75 | 75 | 75 | 75 | 75 | 75 |
| **Total Direct Costs** | 75 | 75 | 75 | 75 | 75 | 75 |
| Less: Incremental Revenue/Recovery | 2 | 3 | 3 | 3 | 3 | 3 |
| **Net Cost/(Benefit)** | 73 | 72 | 72 | 72 | 72 | 72 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

The asset management program being implemented in the Public Works Department is centered on the application of quality management principles to the operation, maintenance, and renewal of infrastructure. A primary objective is the development and implementation of methodologies to preserve the infrastructure and to identify the funding necessary for the long term preservation of the assets.

An objective of the asset management program is to extend this systematic structural quality management approach to all the infrastructure under the Public Works Department responsibility. Funds are required to implement new or maintain existing asset management programs.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Land Acquisition - Transportation Right of Way**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1834000120

Service: Transportation Planning and Traffic Management
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,180 | - | - | - | - | - | - | 1,180 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 950 | | | | | | - | 950 |
| Transfer from Prior Year Authorization | | 230 | | | | | | - | 230 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,180 | - | - | - | - | - | - | 1,180 |
| Financed by: | | | | | | | | |
| Cash to Capital | 950 | | | | | | | 950 |
| Transfer from Prior Year Authorization | 230 | | | | | | | 230 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 950 | | | | | |
| **Total Direct Costs** | 950 | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | 38 | | | | | |
| **Net Cost/(Benefit)** | 912 | - | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Allowance for the acquisition of land for future transportation rights-of-way was not included in any specific capital project within the given year's capital program. This program facilitates acquiring rights-of-way when the necessary land becomes available or when non-compatible private development is proposed on the land that will be required.

Funding in 2020 includes budgeted amounts from previously authorized capital projects from 2016 - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Reforestation - Improvements**

Standing Policy Committee: Protection, Community Services and Parks

Department: Public Works
Project: 1850000120
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 383 | 383 | 383 | 383 | 383 | 383 | 1,915 | 2,298 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 50 | 383 | | 83 | 383 | 383 | 1,232 | 1,282 |
| Federal Gas Tax | | | | 383 | 300 | | | 683 | 683 |
| External Debt | | 333 | | | | | | - | 333 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 326 | 383 | 383 | 383 | 383 | 383 | 57 | 2,298 |
| Financed by: | | | | | | | | |
| Cash to Capital | 43 | 333 | 57 | 71 | 338 | 383 | 57 | 1,282 |
| Federal Gas Tax | | | 326 | 312 | 45 | | | 683 |
| External Debt | 283 | 50 | | | | | | 333 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 17 | 39 | 42 | 42 | 42 | 42 |
| Transfer to General Capital Fund | 50 | 383 | | 83 | 383 | 383 |
| **Total Direct Costs** | 67 | 422 | 42 | 125 | 425 | 425 |
| Less: Incremental Revenue/Recovery | 11 | 12 | 6 | 6 | 12 | 12 |
| **Net Cost/(Benefit)** | 56 | 410 | 36 | 119 | 413 | 413 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Sustainable urban forest management program, which may include tree replacements, pruning and removals, improvement of tree vaults, grates or wells, and inventory along City boulevards, plazas, and parks.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Regional Parks**

Standing Policy Committee: Protection, Community Services and Parks

Department: Public Works
Project: 1853000321
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 650 | - | 1,175 | - | 1,464 | - | - | 2,639 | 2,639 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 337 | | 41 | | | 378 | 378 |
| Federal Gas Tax | | | 600 | | 1,423 | | | 2,023 | 2,023 |
| External Debt | | | 238 | | | | | 238 | 238 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 999 | 176 | 1,244 | 220 | - | - | 2,639 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 287 | 50 | 35 | 6 | | | 378 |
| Federal Gas Tax | | 510 | 90 | 1,209 | 214 | | | 2,023 |
| External Debt | | 202 | 36 | | | | | 238 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | 7 | 13 | 15 | 15 | 15 |
| Transfer to General Capital Fund | | 337 | | 41 | | |
| **Total Direct Costs** | - | 344 | 13 | 56 | 15 | 15 |
| Less: Incremental Revenue/Recovery | | 22 | 4 | 16 | 3 | |
| **Net Cost/(Benefit)** | - | 322 | 9 | 40 | 12 | 15 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 4

Refurbishment and/or improvements to various parks to repair aging park infrastructure and related amenities.

2021 and 2023 funding will contribute to short and long term implementation strategies for Kilcona Park rehabilitation and enhancements based on the 2014 Strategic Renewal and Action Plan prepared by Hilderman Thomas Frank Cram Landscape Architecture in consultation with Meyers Norris Penny LLP, MMM Group Limited and Prairie Architects Inc.

Prioritization of projects is subject to the Regional Parks Investment Strategy and Parks Strategic Master Plan, planned for completion in September 2020.

Project Name: **Parks Buildings**

Standing Policy Committee: Protection, Community Services and Parks

Department: Public Works
Project: 6318020121
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,900 | - | 3,020 | - | - | - | - | 3,020 | 3,020 |
| Financed by: | | | | | | | | | |
| Federal Gas Tax | | | 2,642 | | | | | 2,642 | 2,642 |
| External Debt | | | 378 | | | | | 378 | 378 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 2,567 | 453 | - | - | - | - | 3,020 |
| Financed by: | | | | | | | | |
| Federal Gas Tax | | 2,246 | 396 | | | | | 2,642 |
| External Debt | | 321 | 57 | | | | | 378 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | 11 | 22 | 24 | 24 | 24 |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | 11 | 22 | 24 | 24 | 24 |
| Less: Incremental Revenue/Recovery | | 39 | 7 | | | |
| **Net Cost/(Benefit)** | - | (28) | 15 | 24 | 24 | 24 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

| **Funds will be allocated to:** | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | TOTAL |
|---|---|---|---|---|---|---|---|
| St. Vital Park Yards - Garage/Staff House Replacement | | 2,650 | | | | | 2,650 |
| Churchill Drive Park Public Washrooms/Garage Replacement | | 370 | | | | | 370 |
| | **-** | **3,020** | **-** | **-** | **-** | **-** | **3,020** |

Capital close-out of the above-listed projects will not commence until the projects are substantially completed.

Project Name: **Parks and Recreation Enhancement Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Public Works
Project: 1857000120
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 2,553 | 2,100 | 1,890 | 1,731 | 300 | 300 | 6,321 | 8,874 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,464 | | | 281 | 300 | 300 | 881 | 2,345 |
| Federal Gas Tax | | 1,089 | 1,716 | 1,890 | 1,450 | | | 5,056 | 6,145 |
| External Debt | | | 384 | | | | | 384 | 384 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,170 | 2,168 | 1,921 | 1,755 | 515 | 300 | 45 | 8,874 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,244 | 220 | | 239 | 297 | 300 | 45 | 2,345 |
| Federal Gas Tax | 926 | 1,622 | 1,863 | 1,516 | 218 | | | 6,145 |
| External Debt | | 326 | 58 | | | | | 384 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | 21 | 46 | 49 | 49 | 49 |
| Transfer to General Capital Fund | 1,464 | | | 281 | 300 | 300 |
| **Total Direct Costs** | 1,464 | 21 | 46 | 330 | 349 | 349 |
| Less: Incremental Revenue/Recovery | 52 | 38 | 25 | 27 | 12 | 10 |
| **Net Cost/(Benefit)** | 1,412 | (17) | 21 | 303 | 337 | 339 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Program is focused on playground restorations including play equipment and safety surface replacements, along with associated amenity and pathway improvements to enhance accessibility. It is generally delivered by the Planning, Property and Development Department on behalf of the Parks and Open Space Division of the Public Works Department.

Funding is to be allocated annually as follows:

- Approximately $300,000 each year dedicated to address general playground and amenity safety concerns as they arise city wide.

- remaining funding to be divided equally between each of the fifteen electoral wards.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

***Parks and Recreation Enhancement Program (continued):***

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | TOTAL |
|---|---|---|---|---|---|---|---|
| Priority Safety-Related Concerns | 303 | 300 | 300 | 306 | 300 | 300 | 1,809 |
| Charleswood-Tuxedo-Westwood | 150 | 120 | 106 | 95 | | | 471 |
| Daniel McIntyre | 150 | 120 | 106 | 95 | | | 471 |
| Elmwood-East Kildonan | 150 | 120 | 106 | 95 | | | 471 |
| Fort Rouge-East Fort Garry | 150 | 120 | 106 | 95 | | | 471 |
| Mynarski | 150 | 120 | 106 | 95 | | | 471 |
| North Kildonan | 150 | 120 | 106 | 95 | | | 471 |
| Old Kildonan | 150 | 120 | 106 | 95 | | | 471 |
| Point Douglas | 150 | 120 | 106 | 95 | | | 471 |
| River Heights-Fort Garry | 150 | 120 | 106 | 95 | | | 471 |
| St. Boniface | 150 | 120 | 106 | 95 | | | 471 |
| St. James | 150 | 120 | 106 | 95 | | | 471 |
| St. Norbert - Seine River | 150 | 120 | 106 | 95 | | | 471 |
| St. Vital | 150 | 120 | 106 | 95 | | | 471 |
| Transcona | 150 | 120 | 106 | 95 | | | 471 |
| Waverley West | 150 | 120 | 106 | 95 | | | 471 |
| **Total** | **2,553** | **2,100** | **1,890** | **1,731** | **300** | **300** | **8,874** |

The Director of Public Works may be required to reallocate ward budgets on approval of the ward councillors.

Project Name: **Rainbow Stage**

Standing Policy Committee: Protection, Community Services and Parks

Department: Public Works
Project: 6318XXXX21
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,500 | 1,500 | - | - | - | 3,000 | 3,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 1,500 | 1,500 | | | | 3,000 | 3,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,275 | 1,500 | 225 | - | - | - | 3,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 1,275 | 1,500 | 225 | | | | 3,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | 1,500 | 1,500 | | | |
| **Total Direct Costs** | - | 1,500 | 1,500 | - | - | - |
| Less: Incremental Revenue/Recovery | | 41 | 49 | 7 | | |
| **Net Cost/(Benefit)** | - | 1,459 | 1,451 | (7) | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 4

Renovations of Rainbow Stage at Kildonan Park to address fire and life safety issues, replacement of outdated user amenities, improvement of accessibility for audience, and flood protection dikes to permit a proposed addition to the facility. City funding is subject to securing matching funds from other levels of government and/or private fundraising.

Projects will not proceed until a class 3 estimate is obtained.

Project Name: **Urban Forest Enhancement Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Public Works
Project: 1850000220
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 6,159 | 5,800 | 5,800 | 5,800 | 1,362 | 3,630 | 22,392 | 28,551 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 959 | | | 400 | 205 | 2,553 | 3,158 | 4,117 |
| Federal Gas Tax | | 4,432 | 5,751 | 5,800 | 5,400 | 573 | 1,077 | 18,601 | 23,033 |
| External Debt | | | 49 | | | 584 | | 633 | 633 |
| Interim Financing from General Capital Fund / (Repayment) | 1,100 | (1,100) | | | | | | - | (1,100) |
| Transfer from Corporate Non-specified Capital Account | | 1,868 | | | | | | - | 1,868 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 6,159 | 5,800 | 5,800 | 5,800 | 1,362 | 3,630 | - | 28,551 |
| Financed by: | | | | | | | | |
| Cash to Capital | 959 | | | 400 | 205 | 2,553 | | 4,117 |
| Federal Gas Tax | 4,432 | 5,751 | 5,800 | 5,400 | 573 | 1,077 | | 23,033 |
| External Debt | | 49 | | | 584 | | | 633 |
| Interim Financing from General Capital Fund / (Repayment) | (1,100) | | | | | | | (1,100) |
| Transfer from Corporate Non-specified Capital Account | 1,868 | | | | | | | |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | 3 | 6 | 6 | 45 | 85 |
| Transfer to General Capital Fund | 959 | | | 400 | 205 | 2,553 |
| **Total Direct Costs** | 959 | 3 | 6 | 406 | 250 | 2,638 |
| Less: Incremental Revenue/Recovery | 112 | 73 | 73 | 81 | 33 | 96 |
| **Net Cost/(Benefit)** | 847 | (70) | (67) | 325 | 217 | 2,542 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

The program will include the following types of work which will be prioritized by need:

- Management of Dutch Elm Disease (DED)
- Emerald Ash Borer Beetle (EAB) response
- Tree pruning, removals and replacements
- Installation of tree vaults and silva cells along major routes (coordinate with street and sidewalk renewals where possible)

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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Project Name: **Library Facility Safety, Security and Accessibility Improvements Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6210000121
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | - | 150 | 100 | - | 200 | - | 450 | 450 |
| Financed by: | | | | | | | | | |
| Federal Gas Tax | | | | 100 | | | | 100 | 100 |
| External Debt | | | 150 | | | | | 150 | 150 |
| Transfer from Prior Year Authorization | | | | | | 200 | | 200 | 200 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 150 | 100 | - | 200 | - | - | 450 |
| Financed by: | | | | | | | | |
| Federal Gas Tax | | | 100 | | | | | 100 |
| External Debt | | 150 | | | | | | 150 |
| Transfer from Prior Year Authorization | | | | | 200 | | | 200 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | 6 | 11 | 11 | 11 | 11 |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | 6 | 11 | 11 | 11 | 11 |
| Less: Incremental Revenue/Recovery | | 5 | 1 | | 7 | |
| **Net Cost/(Benefit)** | - | 1 | 10 | 11 | 4 | 11 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Capital funding is required to address three areas:

1. Safety issues need to be addressed in many libraries including upgrading lighting, installing and upgrading closed circuit television (CCTV) video monitoring technology, exterior Crime Prevention Through Environmental Design (CPTED) improvements, and other building upgrades, as required, to ensure that libraries remain safe and welcoming to the community and deter vandalism and graffiti.

2. Accessibility issues, both physical and customer service related, need to be addressed including adding exterior ramps, upgrading public and staff washrooms, improving way finding signage, and installing life safety apparatus to meet the needs of persons with disabilities.

3. Signage needs on the exterior and interiors of library facilities, including electronic signs, for promotion of services and programs are required to make libraries more visible to the community.

Each year a portion of the funds will be utilized for projects within library facilities based upon established priorities.

Included in 2024 is $200,000 rebudgeted from the adopted 2017 and 2019 capital programs - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **Library Refurbishment & Interior Infrastructure Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6210000221

Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 150 | - | - | 650 | - | 800 | 800 |
| Financed by: | | | | | | | | | |
| Federal Gas Tax | | | 150 | | | 299 | | 449 | 449 |
| Transfer from Prior Year Authorization | | | | | | 351 | | 351 | 351 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 150 | - | - | 650 | - | - | 800 |
| Financed by: | | | | | | | | |
| Federal Gas Tax | | 150 | | | 299 | | | 449 |
| Transfer from Prior Year Authorization | | | | | 351 | | | 351 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | | 2 | | | 15 | |
| **Net Cost/(Benefit)** | - | (2) | - | - | (15) | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

This capital program is required to support minor renovations and replacement of interior infrastructure (e.g. workstations, public work space, furniture, shelving and children's literacy areas) at libraries. Renovations and interior infrastructure replacement is required in order to ensure that library branches are safe, functional, accessible and part of a welcoming environment for library users, that meet defined customer levels of service.

Included in 2024 is $351,000 rebudgeted from the adopted 2019 capital programs - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **Library Technology Upgrade and Replacement Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6210000320
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 183 | - | - | 325 | - | 350 | 675 | 858 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 317 | | 350 | 667 | 667 |
| Federal Gas Tax | | | | | 8 | | | 8 | 8 |
| External Debt | | 67 | | | | | | - | 67 |
| Transfer from Prior Year Authorization | | 116 | | | | | | - | 116 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 183 | - | - | 325 | - | 350 | - | 858 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 317 | | 350 | | 667 |
| Federal Gas Tax | | | | 8 | | | | 8 |
| External Debt | 67 | | | | | | | 67 |
| Transfer from Prior Year Authorization | 116 | | | | | | | 116 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 3 | 4 | 4 | 4 | 4 | 4 |
| Transfer to General Capital Fund | | | | 317 | | 350 |
| **Total Direct Costs** | 3 | 4 | 4 | 321 | 4 | 354 |
| Less: Incremental Revenue/Recovery | 6 | | | 10 | | 11 |
| **Net Cost/(Benefit)** | (3) | 4 | 4 | 311 | 4 | 343 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

The Winnipeg Library Service supports the digital economy and fosters digital literacy by making public access computers available to all customers. Capital funds are required to upgrade and replace public access and staff personal computers and support new innovative and efficient technology applications in libraries to address the changing needs of customers and move towards consistent service levels in all facilities by:

- Increasing the number of public access computers system wide.

- Upgrading and replacing aging public access computers, monitors and peripheral devices.

- Providing access to public training sessions using current eReader and mobile technology.

- Expanding and enhancing information services through technological innovation and digitalization projects.

The acquisition of information technology has an impact on the Library Services operating budget due to maintenance and/or licensing costs associated with equipment and applications.

Included in 2020 is $116,000 rebudgeted from the adopted 2019 capital programs - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **West Kildonan GoLibrary**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 62100000420

Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 242 | - | - | - | - | - | - | 242 |
| Financed by: | | | | | | | | | |
| Federal Gas Tax | | 242 | | | | | | - | 242 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 242 | - | - | - | - | - | - | 242 |
| Financed by: | | | | | | | | |
| Federal Gas Tax | 242 | | | | | | | 242 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | 3 | | | | | |
| **Net Cost/(Benefit)** | (3) | - | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

Recognizing that the City of Winnipeg does not provide service to the Old Kildonan community through a dedicated library branch within the community, a GoLibrary automated kiosk system service will be implemented in the Old Kildonan community in 2020 to provide an easy-to-use and convenient service to customers.

The 2019 capital authorization for this project has been transferred to other capital programs in the 2020 budget and five-year capital forecast - see Appendix 4.

Project Name: **Recreational Facility Safety, Security and Accessibility Improvements Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6250000121

Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | - | 235 | 130 | 150 | 279 | 190 | 984 | 984 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | | 190 | 190 | 190 |
| Federal Gas Tax | | | 73 | | 150 | 108 | | 331 | 331 |
| External Debt | | | 50 | | | | | 50 | 50 |
| Transfer from Prior Year Authorization | | | 112 | 130 | | 171 | | 413 | 413 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 235 | 130 | 150 | 279 | 190 | - | 984 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 190 | | 190 |
| Federal Gas Tax | | 73 | | 150 | 108 | | | 331 |
| External Debt | | 50 | | | | | | 50 |
| Transfer from Prior Year Authorization | | 112 | 130 | | 171 | | | 413 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | 1 | 4 | 4 | 4 | 4 |
| Transfer to General Capital Fund | | | | | | 190 |
| **Total Direct Costs** | - | 1 | 4 | 4 | 4 | 194 |
| Less: Incremental Revenue/Recovery | | 6 | 4 | 2 | 7 | 6 |
| **Net Cost/(Benefit)** | - | (5) | - | 2 | (3) | 188 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

This capital program addresses workplace and public safety, health, and accessibility issues.

Recreation and aquatic facility amenities must be refurbished to meet public health and safety standards, regulations, and to enhance facilities to meet the needs of the public including:

1. Safety issues need to be addressed including upgrading lighting, installing and upgrading closed circuit television (CCTV) video monitoring technology, automated external defibrillator (AED's) replacements at facilities and other building upgrades as required to ensure that facilities remain safe and welcoming to the community.

2. Address physical and customer service accessibility issues including washrooms, change rooms, specialty change rooms, kitchens, signage, public entranceways and installing life safety apparatus to meet the needs of persons with disabilities. Priority projects include renovation of the community kitchens at Magnus Eliason Recreation Centre and/or Turtle Island Recreation Centre to meet accessibility and public health requirements as well as community program needs.

3. Upgrades and replacements to facility signage including electronic signs for promotion of services and programs.

Each year a portion of the funds will be utilized for projects within the City's aquatic facilities and recreation centres based upon established priorities.

Funding includes $413,000 rebudgeted from 2019 adopted capital programs - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **Fitness Equipment Upgrade Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6250000220
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 285 | 300 | 295 | 310 | 320 | 330 | 1,555 | 1,840 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | | 326 | 326 | 326 |
| Federal Gas Tax | | 285 | 300 | 295 | 178 | 255 | 4 | 1,032 | 1,317 |
| Transfer from Prior Year Authorization | | | | | 132 | 65 | | 197 | 197 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 285 | 300 | 295 | 310 | 320 | 330 | - | 1,840 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 326 | | 326 |
| Federal Gas Tax | 285 | 300 | 295 | 178 | 255 | 4 | | 1,317 |
| Transfer from Prior Year Authorization | | | | 132 | 65 | | | 197 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | 326 |
| **Total Direct Costs** | - | - | - | - | - | 326 |
| Less: Incremental Revenue/Recovery | 4 | 4 | 4 | 7 | 5 | 11 |
| **Net Cost/(Benefit)** | (4) | (4) | (4) | (7) | (5) | 315 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Capital funding is required to replace cardio and strength based fitness equipment, on a rotating cycle, at the City's multi-use recreation and aquatic facilities, to continue to meet the program needs of patrons, and to minimize safety issues that could arise from aging fitness equipment. Life cycle renewal of fitness equipment is a key part of the department's asset management plan in order to maintain customer levels of service.

Funding includes $197,000 rebudgeted from 2019 adopted capital programs - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **St. James Civic Centre - Facility Renewal (formerly St. James Civic Centre - Facility Renewal and Expansion)**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6362500217
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 6,000 | 3,700 | - | - | - | - | - | - | 3,700 |
| Financed by: | | | | | | | | | |
| Federal Gas Tax | | 1,400 | | | | | | - | 1,400 |
| External Debt | | 2,300 | | | | | | - | 2,300 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,700 | - | - | - | - | - | - | 3,700 |
| Financed by: | | | | | | | | |
| Federal Gas Tax | 1,400 | | | | | | | 1,400 |
| External Debt | 2,300 | | | | | | | 2,300 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 90 | 149 | 149 | 149 | 149 | 149 |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 90 | 149 | 149 | 149 | 149 | 149 |
| Less: Incremental Revenue/Recovery | 92 | | | | | |
| **Net Cost/(Benefit)** | (2) | 149 | 149 | 149 | 149 | 149 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 4

Capital funding in 2019 and previous budgets is for renovation and renewal of the St. James Civic Centre building systems to ensure continued facility operation. Critical building systems (e.g. electrical, heating, ventilation and air conditioning, building envelope and mechanical) within the facility have reached the end of their useful life and require repair or replacement. The project will also address building code compliance within the existing facility. The total project cost for building systems renewals is $6.0 million. Design and construction documents for the building systems work was developed in 2019, with construction in 2020.

On October 24, 2019, Council authorized a first charge of up to $3.7 million in 2019 or prior to the adoption of the 2020 Capital Budget to facilitate timely delivery of the project.

Projected funding of $3.7 million in 2020 is required for structural repairs of the St. James Civic Centre Arena (Ab McDonald Memorial Arena) concrete slab and building envelope renewal in the facility for total facility renewal funding of $9.7 million. Additional engineering analysis and development of a class 3 estimate is required to confirm final project scope and costs. Construction will not commence until a class 3 estimate is obtained.

The St. James Civic Centre - Facility Expansion project was approved by Council on September 26, 2019, as one of the projects for federal and provincial funding under the Investing in Canada Infrastructure Program.

Project Name: **St. James Community Recreation Amenities**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6255000420
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,400 | - | - | - | - | - | - | 1,400 |
| Financed by: | | | | | | | | | |
| Land Operating Reserve | | 1,400 | | | | | | | 1,400 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,400 | - | - | - | - | - | - | 1,400 |
| Financed by: | | | | | | | | |
| Land Operating Reserve | 1,400 | | | | | | | 1,400 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | 46 | | | | | |
| **Net Cost/(Benefit)** | (46) | - | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

These capital funds will provide new, enhanced, or refurbished recreation and park amenities in the St. James community and include community input through a public consultation process.

On January 25, 2018, Council approved:

• That a $1.4 million commitment from the Land Operating Reserve, for investment in the development of recreation amenities within the Assiniboia Community Committee area be referred to the 2019 budget;

• That a portion of the $1.4 million be used in consultation with the Public Service to enhance the trails, lighting, security and green space along Sturgeon Creek in the area of 255 Hamilton Avenue;

• That a public consultation process be implemented within the proximity of 255 Hamilton Avenue, subsequent to approval of the $1.4 million in the 2019 budget, to seek community input on the development of recreation amenities with the remainder of the $1.4 million;

• That the public consultation be funded from the Commitment Reserve out of $50,000 set aside in the 2014 budget per the intention of Recommendation 9 of Item #9 of the Report of the Executive Policy Committee dated February 22, 2013, adopted by Council on February 27, 2013.

Two phases of public engagement took place between July and October, 2019 that included an online survey to confirm current use and needs for parks and recreation amenities, two public workshops and an online 'budget allocator' survey to confirm project priorities. From that input, the following four projects were prioritized for implementation through the $1.4 million in funding:

• Upgrade the wading pool at Assiniboia West C.C. (Buchanan site) with spray features, safety surfacing, benches and landscaping, as well as renewal of the existing wading pool asset.

• Development of an off-leash dog area near Sturgeon Road and Silver Ave.

• Lighting and asphalt pathway improvements on Sturgeon Creek Greenway between Hamilton Ave. and Saskatchewan Ave.

• Voyageur Park improvements including new fitness nodes.

Construction will not proceed until a class 3 estimate is obtained.

Project Name: **East of the Red RecPlex**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6362500825

Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 1,000 | 1,000 | 1,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | | 1,000 | 1,000 | 1,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 1,000 | - | 1,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 1,000 | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | 1,000 |
| **Total Direct Costs** | - | - | - | - | - | 1,000 |
| Less: Incremental Revenue/Recovery | | | | | | 33 |
| **Net Cost/(Benefit)** | - | - | - | - | - | 967 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

Capital funding is required to develop a regional recreation and aquatic facility that would include a leisure pool, 8 lane swim tank, indoor track, fitness areas, gymnasium and multi-purpose rooms all attached to the newly constructed Transcona Library at the former 1500 Plessis site.

The existing Transcona Centennial Indoor Pool and other facilities in the area are near the end of their service life and are in need of significant investment or replacement. These buildings also do not currently meet accessibility standards and service expectations. The proposed new facility would provide a state of the art, energy-efficient public amenity, while allowing for the decommissioning of existing, aging assets.

In addition, northeast Winnipeg has experienced significant growth and currently lacks adequate City-owned recreation space to provide Leisure Guide or drop-in recreation/leisure programming. The proposed facility will provide the multi-purpose and gymnasium space to meet these service needs.

Funding in 2025 is for public engagement, project planning and preliminary design to develop a class 3 cost estimate to inform capital budget requirements. Project construction will not proceed until a class 3 estimate is obtained.

Project Name: **Repair and Renovation of Pan Am Pool Universal Change Rooms**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6362400521
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 940 | - | - | - | - | 940 | 940 |
| Financed by: | | | | | | | | | |
| Federal Gas Tax | | | 940 | | | | | 940 | 940 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 940 | - | - | - | - | - | 940 |
| Financed by: | | | | | | | | |
| Federal Gas Tax | | 940 | | | | | | 940 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | | 12 | | | | |
| **Net Cost/(Benefit)** | - | (12) | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

Capital funding is required to support renovations to the specialty change rooms including the development of universal change rooms at the Pan Am Pool. The existing facility is inadequate to fully meet service requirements of the community and does not meet City of Winnipeg Universal Design / Accessibility Standards.

The Pan Am Pool Feasibility Study was completed in September 2015. The study identified a number of requirements that also included the need for renovations to the specialty change rooms and the development of universal / family change Rooms.

Capital funding for the Pan Am Pool Change Room Upgrade in 2021 includes development of tender documents and construction.

Project Name: **Boni-Vital Pool**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6362400321
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 432 | - | 5,360 | - | - | - | - | 5,360 | 5,360 |
| Financed by: | | | | | | | | | |
| Federal Gas Tax | | | 5,360 | | | | | 5,360 | 5,360 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 5,360 | - | - | - | - | - | 5,360 |
| Financed by: | | | | | | | | |
| Federal Gas Tax | | 5,360 | | | | | | 5,360 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | | 67 | | | | |
| **Net Cost/(Benefit)** | - | (67) | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

Capital funding is required to support facility renewal and upgrades to extend the service life of Boni-Vital Pool, including but not limited to critical building systems renewal, accessibility improvements and renovation of public spaces.

The current funding requirements are based on class 5 estimates developed through planning level assessments and previous building studies. These funding requirements will be revised as engineering progresses; cost estimates will be updated to class 3 prior to construction.

Capital funds in 2021 include $500,000 for preliminary design and $4.86 million for construction.

With the adoption of the 2020 capital budget, Council authorizes a first charge of $500,000 in 2020 or prior to the adoption of the 2021 capital budget to facilitate timely delivery of the project.

Project Name: **Technology Advancement Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6262000121

Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 100 | - | - | 310 | - | 410 | 410 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 310 | | 310 | 310 |
| External Debt | | | 100 | | | | | 100 | 100 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 100 | - | - | 310 | - | - | 410 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 310 | | | 310 |
| External Debt | | 100 | | | | | | 100 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | 5 | 7 | 7 | 7 | 7 |
| Transfer to General Capital Fund | | | | | 310 | |
| **Total Direct Costs** | - | 5 | 7 | 7 | 317 | 7 |
| Less: Incremental Revenue/Recovery | | 3 | | | 10 | |
| **Net Cost/(Benefit)** | - | 2 | 7 | 7 | 307 | 7 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Capital funding is required for technological initiatives which allow Community Services to upgrade existing information technology systems and introduce new / innovative technologies. The projects will incorporate technology that will allow increased efficiencies and reliability, and improve service delivery by being more responsive to customers. The funding will be used for hardware, software and consulting services.

Projects for 2021 may include but are not limited to:

1. Staff Scheduling System to enable enhance scheduling efficiency of staff at facilities.

2. Facility Utilization Data Collection System for various sites and review of possible pilot sites including indoor and outdoor pools.

3. Continuation of the Advertising Program which includes the implementation of digital displays signage at Community Services facilities.

4. Electronic reader outdoor signage for multi-use recreation and aquatic facilities.

5. Charging Stations for several indoor pool and recreation facilities.

6. Miscellaneous upgrades including the purchasing and installation of projectors, mobile software, etc.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **Community Centre Renovation Grant Program (CCRGP)**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6252000120

Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 2,000 | 2,000 | 2,000 | 2,000 | 965 | 965 | 7,930 | 9,930 |
| Financed by: | | | | | | | | | |
| Financial Stabilization Reserve | | 1,035 | 1,035 | 1,035 | 1,035 | | | 3,105 | 4,140 |
| Land Operating Reserve | | 965 | 965 | 965 | 965 | 965 | 965 | 4,825 | 5,790 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,000 | 2,000 | 2,000 | 2,000 | 965 | 965 | - | 9,930 |
| Financed by: | | | | | | | | |
| Financial Stabilization Reserve | 1,035 | 1,035 | 1,035 | 1,035 | | | | 4,140 |
| Land Operating Reserve | 965 | 965 | 965 | 965 | 965 | 965 | | 5,790 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable

The Community Centre Renovation Grant Program (CCRGP), approved in February 2012, is to provide up to $965,000 in dedicated funding to renovation projects for city-owned, board-run community centres in order to maintain and/or improve community centre infrastructure. On March 20, 2019, Council approved an increase to the program with an annual transfer of $1.035 million starting in 2019, up to 2023. The program is open to all General Council Winnipeg Community Centres (GCWCC) in Winnipeg, is subject to an application process with two intake periods per year, project evaluation completed by a joint committee of GCWCC and the City, with maximum City contributions to each project of $100,000 per project, subject to the grant program criteria.

Annually, up to $965,000 is funded by the Land Operating Reserve. Transfers from the Land Operating Reserve (not to exceed $1.2 million in aggregate) to the General Revenue Fund ($235,000 for GCWCC programming grant) and General Capital Fund ($965,000 for this CCRGP) are to be equal to 15% of the aggregate of gross land sales and the City's proportionate share of land sales derived from government business partnerships for the fiscal year two years prior to the budget year under consideration (e.g. transfer amounts for the 2020 budget year are based on 15% of the aggregate of actual gross land sales and the City’s proportionate share of land sales derived from government business partnerships from 2018).

If actual gross land sales and the City's proportionate share of land sales derived from government business partnerships are less than the amount to achieve the maximum $1.2 million aggregate amount (i.e. $235,000 programming grant + $965,000 for the CCRGP) for this program, the transfer to the General Revenue Fund of up to $235,000 is made first with the residual balance, if any, transferred to the General Capital Fund for the CCRGP.

An additional $1.035 million per year is provided for the program for five years beginning in 2019 and is funded from the Financial Stabilization Reserve.

Operating expenses for 1 temporary full-time equivalent, effective in 2020, are required to administer the expanded program and will be fully recovered through the CCRGP capital.

As this is a capital grant program, it is exempt from interest and administrative overhead capital charges.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **Community Incentive Grant Program (CIGP)**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6251000120
Service: Neighbourhood Revitalization
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 1,000 | 1,000 | 1,000 | - | - | - | 2,000 | 3,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,000 | | | | | | - | 1,000 |
| External Debt | | | 1,000 | 1,000 | | | | 2,000 | 2,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 1,000 | 1,000 | - | - | - | - | 3,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,000 | | | | | | | 1,000 |
| External Debt | | 1,000 | 1,000 | | | | | 2,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 1,000 | - | - | - | - | - |
| **Total Direct Costs** | 1,000 | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | 1,000 | - | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable

The Community Incentive Grant Program (CIGP), established by Council on March 6, 1985, was designed to encourage non-profit community recreation and sport organizations to undertake capital projects which would result in long-term benefits to the community at large in terms of improved service and facilities. On July 23, 2003, and again on July 18, 2012, Council adopted expanded criteria for the program.

Community committees are the delegated authority to allocate CIGP funding.

Operating expenses for 1 full-time equivalent Community Development Worker is budgeted in the operating budget and recovered through the CIGP capital for direct costs to administer the program.

As this is a capital grant program, it is exempt from interest and administrative overhead capital charges.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6200000120
Service: Arts, Entertainment and Culture
OurWinnipeg: Creativity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 4,600 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 10,000 | 14,600 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 2,600 | | | 1,638 | 1,690 | 2,000 | 5,328 | 7,928 |
| External Debt | | 2,000 | 2,000 | 1,000 | 45 | | | 3,045 | 5,045 |
| Federal Gas Tax | | | | 1,000 | | | | 1,000 | 1,000 |
| Transfer from Prior Year Authorization | | | | | 317 | 310 | | 627 | 627 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,600 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | - | 14,600 |
| Financed by: | | | | | | | | |
| Cash to Capital | 2,600 | | | 1,638 | 1,690 | 2,000 | | 7,928 |
| External Debt | 2,000 | 2,000 | 1,000 | 45 | | | | 5,045 |
| Federal Gas Tax | | | 1,000 | | | | | 1,000 |
| Transfer from Prior Year Authorization | | | | 317 | 310 | | | 627 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 78 | 212 | 313 | 334 | 334 | 334 |
| Transfer to General Capital Fund | 2,600 | | | 1,638 | 1,690 | 2,000 |
| **Total Direct Costs** | 2,678 | 212 | 313 | 1,972 | 2,024 | 2,334 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | 2,678 | 212 | 313 | 1,972 | 2,024 | 2,334 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable

These capital dollars represent the City's ongoing commitment to Assiniboine Park building repairs, upgrades and park improvements.

The first year of funding for this capital grant was 2010 with $5.123 million provided each year from 2010 to 2019.

The capital grant was subject to redetermination after 2019.

The release of capital funds is subject to annual explanation and submission from APC of projected cash flow needs, to the Public Service.

As this is a capital grant program, it is exempt from interest and administrative overhead capital charges.

Funding includes $627,000 rebudgeted from 2019 adopted capital programs - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **Millennium Library Community Connections Space**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6362100920
Service: Libraries
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 236 | - | - | - | - | - | - | 236 |
| Financed by: | | | | | | | | | |
| Destination Marketing Reserve | | 236 | | | | | | - | 236 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 236 | - | - | - | - | - | - | 236 |
| Financed by: | | | | | | | | |
| Destination Marketing Reserve | 236 | | | | | | | 236 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | 25 | 25 | 25 | 25 | 25 | 25 |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 25 | 25 | 25 | 25 | 25 | 25 |
| Less: Incremental Revenue/Recovery | 8 | | | | | |
| **Net Cost/(Benefit)** | 17 | 25 | 25 | 25 | 25 | 25 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

Capital funding for this project will be used to transform the former coffee shop located in the main floor lobby of Millennium Library into a Community Connection space. This new, highly visible service area will provide library visitors with access to specific services, including:

- Access to Library Community Crisis Workers (CCW) and community social agencies in a semi-private space
- Community meeting space for Community Crisis Workers and other agencies to meet, network, and share information and resources
- Access to print and other resources on library services and handouts on local mental health, substance use, and basic needs resources

On January 30, 2020, Council approved this project as part of the Downtown Public Safety Strategy (Phase 2).

Total capital funding request for this project is based on a preliminary class 5 estimate for planning, design and construction and is subject to change as class estimates are revised.

Construction will not commence until a class 3 estimate is obtained.

Project Name: **East District Police Station**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 6331002820

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 13,925 | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,056 | 1,056 | 1,056 | 1,089 | 1,155 | 1,155 | 5,511 | 6,567 |
| Public Private Partnership Lease Payments | | (1,056) | (1,056) | (1,056) | (1,089) | (1,155) | (1,155) | (5,511) | (6,567) |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,056 | 1,056 | 1,056 | 1,089 | 1,155 | 1,155 | 15,950 | 22,517 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,056 | 1,056 | 1,056 | 1,089 | 1,155 | 1,155 | 15,950 | 22,517 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 1,056 | 1,056 | 1,056 | 1,089 | 1,155 | 1,155 |
| **Total Direct Costs** | 1,056 | 1,056 | 1,056 | 1,089 | 1,155 | 1,155 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | 1,056 | 1,056 | 1,056 | 1,089 | 1,155 | 1,155 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable

On July 18, 2007, Council approved the award of a public-private partnership (P3) contract for the development and operation of the East District Police Station based on a 30-year lease term. Occupancy date was in September 2008.

The above annual cash flow estimates include the authorization for the lease payments to be incurred and charged to the project in the General Capital Fund. They include technical maintenance, but not utility and other operating maintenance expenses.

As financing and administration costs are implicit in the lease payments, this capital project is exempt from the administration and short-term financing charge.

On March 22, 2016, Council authorized a first charge of up to 30% of the annual lease payments prior to the adoption of the annual capital budget, in the event the capital budget is adopted after December 31, in order to facilitate payments on the P3 contract.

In accordance with Bylaw 8164/2002, where the City's capital budget has not been adopted before January 1 of the year to which the budget is applicable, the Chief Administrative Officer is authorized, before the adoption of the capital budget, to approve expenditures not exceeding 30% of the amount the City of Winnipeg is contractually obligated to pay annually in respect of Public-Private Partnerships, as a first charge against the General Capital Fund.

Project Name: **Evidence Archive Building - Tenant Improvement**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205800020

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | | |
| External Debt | | 500 | | | | | | - | 500 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| External Debt | 500 | | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 20 | 33 | 33 | 33 | 33 | 33 |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 20 | 33 | 33 | 33 | 33 | 33 |
| Less: Incremental Revenue/Recovery | 16 | | | | | |
| **Net Cost/(Benefit)** | 4 | 33 | 33 | 33 | 33 | 33 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

Tenant improvements are required to upgrade leased accommodations for the Evidence Archive Facility.

While the new headquarters had provided comparable square footage it had not provided comparable cubic footage and, with additional number of exhibits that need to be stored every year, space requirements will continue to grow. A lease site has yet to be identified and the class estimate will be refined as the project advances.

Construction will not proceed until a Class 3 estimate is obtained.

Project Name: **Technology Upgrades - Information Systems**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2203200024

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,200 | - | - | - | - | 1,325 | 112 | 1,437 | 1,437 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 1,325 | 112 | 1,437 | 1,437 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 1,325 | 112 | - | 1,437 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 1,325 | 112 | | 1,437 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | 1,325 | 112 |
| **Total Direct Costs** | - | - | - | - | 1,325 | 112 |
| Less: Incremental Revenue/Recovery | | | | | 43 | 4 |
| **Net Cost/(Benefit)** | - | - | - | - | 1,282 | 108 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 4

Technological changes in information systems requires upgrading and evergreening. Systems include core switches, firewalls, network storage, and business continuity infrastructure to support current level of service.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **North Station Information Technology Requirements**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2201700021

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | - | 190 | - | - | - | - | 190 | 190 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 190 | | | | | 190 | 190 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 190 | - | - | - | - | - | 190 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 190 | | | | | | 190 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | 190 | | | | |
| **Total Direct Costs** | - | 190 | - | - | - | - |
| Less: Incremental Revenue/Recovery | | 6 | | | | |
| **Net Cost/(Benefit)** | - | 184 | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

New District 3 (North Station) information technology requirements to align with capital funding allocated for a new station in 2021. Equipment includes net new computer and networking hardware for building security and connectivity with Headquarters.

Project Name: **In Car Computing**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2203700020

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 500 | - | - | - | - | 1,736 | 1,736 | 2,236 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 500 | | | | | 1,736 | 1,736 | 2,236 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | - | - | - | - | 1,736 | - | 2,236 |
| Financed by: | | | | | | | | |
| Cash to Capital | 500 | | | | | 1,736 | | 2,236 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 500 | | | | | 1,736 |
| **Total Direct Costs** | 500 | - | - | - | - | 1,736 |
| Less: Incremental Revenue/Recovery | 16 | | | | | 56 |
| **Net Cost/(Benefit)** | 484 | - | - | - | - | 1,680 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

The mobile computing technology in Police Service vehicles must be evergreened every 5 years due to the obsolescence of this equipment and the harsh environment to which they are subjected. Currently 235 vehicles require mobile computing devices plus a small contingency for spare devices. This includes the evergreening of laptops/tablets and keyboards, docks, modems, antennae, mounting equipment and associated cabling necessary to maintain connectivity with Winnipeg Police Service Public Safety systems. Ergonomically placed computing devices in vehicles are critical for prevention of injuries to police officers. The increase in funding for 2025 is due to program expansion of mobile computing into other specialty unit fleet vehicles and consolidation of mobile computer hardware evergreening.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **Evidence Archive Building - Racking System**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205900020

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 841 | - | - | - | - | - | - | 841 |
| Financed by: | | | | | | | | | |
| External Debt | | 841 | | | | | | - | 841 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 841 | - | - | - | - | - | - | 841 |
| Financed by: | | | | | | | | |
| External Debt | 841 | | | | | | | 841 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 52 | 105 | 105 | 105 | 105 | 105 |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 52 | 105 | 105 | 105 | 105 | 105 |
| Less: Incremental Revenue/Recovery | 27 | | | | | |
| **Net Cost/(Benefit)** | 25 | 105 | 105 | 105 | 105 | 105 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

An archive racking system is required to house archived exhibits with more efficient utilization of space. The high density shuttle racking system will hold approximately 2,000 pallets of exhibits for a projected capacity life of 30 years.

Project Name: **North District Station - Furniture, Fixtures and Equipment**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2206000021

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 700 | - | - | - | - | 700 | 700 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 700 | | | | | 700 | 700 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 700 | - | - | - | - | - | 700 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 700 | | | | | | 700 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | 700 | | | | |
| **Total Direct Costs** | - | 700 | - | - | - | - |
| Less: Incremental Revenue/Recovery | | 23 | | | | |
| **Net Cost/(Benefit)** | - | 677 | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

New District 3 (North Station) furnishings, fixtures and equipment to align with capital funding allocated for a new station in 2021. Equipment includes new workstations, tables, chairs and case goods.

Project Name: **Computer Assisted Dispatch Upgrade**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2204700017

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | 325 | - | - | 375 | - | - | 375 | 700 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 325 | | | 375 | | | 375 | 700 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 325 | - | - | 375 | - | - | - | 700 |
| Financed by: | | | | | | | | |
| Cash to Capital | 325 | | | 375 | | | | 700 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 325 | | | 375 | | |
| **Total Direct Costs** | 325 | - | - | 375 | - | - |
| Less: Incremental Revenue/Recovery | 11 | | | 12 | | |
| **Net Cost/(Benefit)** | 314 | - | - | 363 | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

The Winnipeg Police Service's Computer Assisted Dispatch System (CAD) is evergreened on a 5-year cycle. The CAD system enables the Service to manage and dispatch emergency calls. The current system is a hybrid of digital and analogue technologies that requires phased upgrades to interface with the all-digital Next Generation 911 system.

This project is estimated in US dollars and converted to Canadian currency.

## WINNIPEG POLICE SERVICE - GENERAL CAPITAL FUND

Project Name: **Next Generation 911**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2203600020

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 800 | 1,000 | - | - | - | - | 1,000 | 1,800 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 800 | 1,000 | | | | | 1,000 | 1,800 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | 1,000 | - | - | - | - | - | 1,800 |
| Financed by: | | | | | | | | |
| Cash to Capital | 800 | 1,000 | | | | | | 1,800 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 800 | 1,000 | | | | |
| **Total Direct Costs** | 800 | 1,000 | - | - | - | - |
| Less: Incremental Revenue/Recovery | 26 | 33 | | | | |
| **Net Cost/(Benefit)** | 774 | 967 | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

Technological changes in 911 to include the latest upgrades to telephony and 911 systems with provisions for video/texting and other technological advancements. This will include upgrade to a fully Public Safety grade internet protocol network at both the primary and back up Public Safety Answering Point and the required upgrades to standard operating guidelines and inter-operability with partner agencies.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **Automated Fingerprint Identification System (AFIS)**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205600021

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | - | 500 | - | - | - | - | 500 | 500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 500 | | | | | 500 | 500 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 500 | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 500 | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | 500 | | | | |
| **Total Direct Costs** | - | 500 | - | - | - | - |
| Less: Incremental Revenue/Recovery | | 16 | | | | |
| **Net Cost/(Benefit)** | - | 484 | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

The programmable matching accelerator is a critical component of the Automated Fingerprint Identification System, which is used to capture and search fingerprint records. At the current rate, our existing system will reach its capacity in 2021. This amount is requested to increase storage capacity.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **Police Headquarters Information System Upgrades**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2204900021

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 2,100 | - | - | - | - | 2,100 | 2,100 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 2,100 | | | | | 2,100 | 2,100 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 2,100 | - | - | - | - | - | 2,100 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 2,100 | | | | | | 2,100 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | 2,100 | | | | |
| **Total Direct Costs** | - | 2,100 | - | - | - | - |
| Less: Incremental Revenue/Recovery | | 68 | | | | |
| **Net Cost/(Benefit)** | - | 2,032 | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

This evergreening initiative is to upgrade and replace time expired information system equipment for the centralized server, networking, backup and security hardware. The hardware supports department-wide information systems to maintain current levels of response.

Project Name: **Schedule and Management System Upgrade**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2204800021

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 500 | - | - | - | - | 500 | 500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 500 | | | | | 500 | 500 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 500 | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 500 | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | 500 | | | | |
| **Total Direct Costs** | - | 500 | - | - | - | - |
| Less: Incremental Revenue/Recovery | | 16 | | | | |
| **Net Cost/(Benefit)** | - | 484 | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

The Schedule and Management System (SAMS) is an in-house developed rostering and overtime control system used to maintain member attendance and shift scheduling records. The current system requires a major rewrite in 2021 to align SAMS with the updated City of Winnipeg payroll software.

Project Name: **Technological Crime Infrastructure**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 220010024

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 380 | - | 380 | 380 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 380 | | 380 | 380 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 380 | - | - | 380 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 380 | | | 380 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | 380 | |
| **Total Direct Costs** | - | - | - | - | 380 | - |
| Less: Incremental Revenue/Recovery | | | | | 12 | |
| **Net Cost/(Benefit)** | - | - | - | - | 368 | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

This evergreening initiative is to upgrade and replace information system equipment used in support of technological criminal investigations. This equipment will support directed, focused, gathering of information to support criminal investigations within the Winnipeg Police Service and in partnership with other outside agencies.

Project Name: **Building Security System Evergreening**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 220010023

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 159 | - | - | 159 | 159 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 159 | | | 159 | 159 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 159 | - | - | - | 159 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 159 | | | | 159 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | 159 | | |
| **Total Direct Costs** | - | - | - | 159 | - | - |
| Less: Incremental Revenue/Recovery | | | | 5 | | |
| **Net Cost/(Benefit)** | - | - | - | 154 | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

Evergreening project to replace equipment supporting facility security systems to ensure that the building security information technology hardware and software are stable, current, and run without failure. Systems include card access, video management system, key management, intercom and paging system hardware for all Winnipeg Police Service facilities.

Project Name: **Flight Operations Overhaul**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205200022

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 602 | - | - | - | 602 | 602 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 602 | | | | 602 | 602 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 602 | - | - | - | - | 602 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 602 | | | | | 602 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | 602 | | | |
| **Total Direct Costs** | - | - | 602 | - | - | - |
| Less: Incremental Revenue/Recovery | | | 20 | | | |
| **Net Cost/(Benefit)** | - | - | 582 | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

The helicopter (AIR1) will require an overhaul as part of the scheduled 12,000 hour inspection as dictated by the Canadian Aviation Regulations. This is a restoration process that includes the disassembly, inspection, repair or replacement of parts, reassembly, adjustment, refinishing, and testing of AIR1 and ensures that the helicopter is in complete conformity with the service tolerances specified for continued airworthiness.

Project Name: **Flight Operations - Forward Looking Infra-Red (FLIR) Equipment**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205300022

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 792 | - | - | - | 792 | 792 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 792 | | | | 792 | 792 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 792 | - | - | - | - | 792 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 792 | | | | | 792 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | 792 | | | |
| **Total Direct Costs** | - | - | 792 | - | - | - |
| Less: Incremental Revenue/Recovery | | | 26 | | | |
| **Net Cost/(Benefit)** | - | - | 766 | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

To replace the existing Forward Looking Infra-Red equipment installed on the helicopter, as it is reaching the end of its life expectancy.

This gyroscopically stabilized high definition infrared camera has a high power optical zoom as well as thermal imagery, which tracks people or evidence by heat signatures, video image or a blended image.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **Technical Surveillance Systems**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205400022

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 400 | - | - | - | 400 | 400 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 400 | | | | 400 | 400 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 400 | - | - | - | - | 400 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 400 | | | | | 400 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | 400 | | | |
| **Total Direct Costs** | - | - | 400 | - | - | - |
| Less: Incremental Revenue/Recovery | | | 13 | | | |
| **Net Cost/(Benefit)** | - | - | 387 | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

This project will update and replace time expired digital technical surveillance equipment for voice and data intercept systems. This equipment will support directed, focused gathering of information to support criminal investigations within the Service and in partnership with other outside agencies.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **Communication Sites Upgrade - Audio Loggers**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205700022

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 1,453 | - | - | - | 1,453 | 1,453 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 1,453 | | | | 1,453 | 1,453 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,453 | - | - | - | - | 1,453 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 1,453 | | | | | 1,453 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | 1,453 | | | |
| **Total Direct Costs** | - | - | 1,453 | - | - | - |
| Less: Incremental Revenue/Recovery | | | 47 | | | |
| **Net Cost/(Benefit)** | - | - | 1,406 | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

Funding for upgrading audio loggers and related Next Generation 911 equipment at the 911 communication centre and backup site. The loggers are evergreened on a 5-year plan to ensure operations of the main and back-up sites comply with Public Safety Answering Point legislation timelines for bringing systems back online.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **Call Answer Software**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205200023

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 1,000 | - | - | 1,000 | 1,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 1,000 | | | 1,000 | 1,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 1,000 | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 1,000 | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | 1,000 | | |
| **Total Direct Costs** | - | - | - | 1,000 | - | - |
| Less: Incremental Revenue/Recovery | | | | 33 | | |
| **Net Cost/(Benefit)** | - | - | - | 967 | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

Call answer software system will integrate industry standard dispatch protocol with Next Generation 911 hardware. The results of this project will assist call takers in Case Entry and Key Questioning using a decision tree algorithm to manage operational risk.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **Communication Sites - Radio Consoles/Batteries**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2206200024

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 575 | - | 575 | 575 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 575 | | 575 | 575 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 575 | - | - | 575 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 575 | | | 575 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | 575 | |
| **Total Direct Costs** | - | - | - | - | 575 | - |
| Less: Incremental Revenue/Recovery | | | | | 19 | |
| **Net Cost/(Benefit)** | - | - | - | - | 556 | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

Replacing radio consoles and batteries at the 911 communication centre and backup site. The radio consoles are evergreened on a 5-year plan to ensure operations of the main and back-up sites comply with Public Safety Answering Point legislation timelines for bringing systems back online.

Project Name: **E-ticketing Hardware**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2206300024

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 700 | - | - | - | - | 375 | - | 375 | 375 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 375 | | 375 | 375 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 375 | - | - | 375 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 375 | | | 375 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | 375 | |
| **Total Direct Costs** | - | - | - | - | 375 | - |
| Less: Incremental Revenue/Recovery | | | | | 12 | |
| **Net Cost/(Benefit)** | - | - | - | - | 363 | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

The driver licence scanners and printers that support e-ticketing processes in Police Service vehicles must be evergreened every 5 years due to the obsolescence of this equipment and the harsh environment to which they are subjected. Ergonomic placement of properly suited technical equipment is critical for prevention of injuries to police officers.

Project Name: **Indoor Firing Range**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 220010023

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 150 | - | - | 150 | 150 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 150 | | | 150 | 150 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 150 | - | - | - | 150 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 150 | | | | 150 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | 150 | | |
| **Total Direct Costs** | - | - | - | 150 | - | - |
| Less: Incremental Revenue/Recovery | | | | 5 | | |
| **Net Cost/(Benefit)** | - | - | - | 145 | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

This building is required to establish an indoor firing range as the current range is outdoors and cannot be used during the coldest months of the year.

Funding will be used to complete the preliminary design.

Project Name: **Active Shooter Response Training Facility**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 220020023

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 150 | - | - | 150 | 150 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 150 | | | 150 | 150 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 150 | - | - | - | 150 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 150 | | | | 150 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | 150 | | |
| **Total Direct Costs** | - | - | - | 150 | - | - |
| Less: Incremental Revenue/Recovery | | | | 5 | | |
| **Net Cost/(Benefit)** | - | - | - | 145 | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

A new facility is needed to meet legislated requirements to provide training programs for active shooter scenarios.

Funding will be used to complete the preliminary design.

Project Name: **Vehicle Inspections - Weigh Scale**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 220030025

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 250 | 250 | 250 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | | 250 | 250 | 250 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 250 | - | 250 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 250 | | 250 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | 250 |
| **Total Direct Costs** | - | - | - | - | - | 250 |
| Less: Incremental Revenue/Recovery | | | | | | 8 |
| **Net Cost/(Benefit)** | - | - | - | - | - | 242 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

The fixed vehicle weigh scale is projected to reach the end of its useful life in 2025. It is used to satisfy the requirements in the Highway Traffic Act to accurately measure overweight vehicles.

Project Name: **Police Vehicle Operations - Facility**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 220040022

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 1,800 | 1,200 | - | - | 3,000 | 3,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 1,800 | 1,200 | | | 3,000 | 3,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,800 | 1,200 | - | - | - | 3,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 1,800 | 1,200 | | | | 3,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | 1,800 | 1,200 | | |
| **Total Direct Costs** | - | - | 1,800 | 1,200 | - | - |
| Less: Incremental Revenue/Recovery | | | 59 | 39 | | |
| **Net Cost/(Benefit)** | - | - | 1,741 | 1,161 | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

Repaving asphalt for the Police Vehicle Training facility. The track is at risk of accelerating damage on the training vehicles.

Project Name: **Facility Optimization - St. Boniface Industrial Area and Windsor Park Station Consolidation**

Standing Policy Committee: Protection, Community Services and Parks

Department: Fire Paramedic Service
Project: 2111020922

Service: Fire and Rescue Response
OurWinnipeg: Emergency Preparedness, Response and Recovery

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 13,439 | - | - | - | 13,439 | 13,439 |
| Financed by: | | | | | | | | | |
| External Debt | | | | 12,839 | | | | 12,839 | 12,839 |
| Interim Financing from Land Operating Reserve / (Repayment) | | | | 600 | | (600) | | - | - |
| Land Operating Reserve | | | | | | 600 | | 600 | 600 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 6,057 | 7,382 | - | - | - | 13,439 |
| Financed by: | | | | | | | | |
| External Debt | | | 6,057 | 6,782 | | | | 12,839 |
| Interim Financing from Land Operating Reserve /(Repayment) | | | | 600 | (600) | | | - |
| Land Operating Reserve | | | | | 600 | | | 600 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | 242 | 688 | 881 | 881 |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | 242 | 688 | 881 | 881 |
| Less: Incremental Revenue/Recovery | | | 197 | 240 | | |
| **Net Cost/(Benefit)** | - | - | 45 | 448 | 881 | 881 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

With this capital funding the Winnipeg Fire Paramedic Service seeks to maximize the efficiency of the station network. This is achieved through relocations, replacements, and major enhancements to stations that help reduce costs but maintain the desired level of response.

Consolidate St. Boniface Industrial Area station (9, Marion) and Windsor Park station (15, Autumnwood). The new consolidated station will service the industrial area currently served by the St. Boniface Industrial Area station. This station will support a relocated ambulance from the Fort Rouge station (30) as well as an engine, a rescue, a water tanker, and existing fire prevention officers into the new station.

**2022:**

- Finalize detail design and begin construction.

**2023:**

- Complete construction.

- Decommission Marion station for resale.

The Land Operating Reserve funding amount shown above is based on the assessed value of the disposition of Marion St. Station.

Project Name: **Facility Optimization - Waverley West Station**

Standing Policy Committee: Protection, Community Services and Parks

Department: Fire Paramedic Service
Project: 2111021520

Service: Fire and Rescue Response
OurWinnipeg: Emergency Preparedness, Response and Recovery

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,192 | - | - | 10,927 | - | - | 10,927 | 12,119 |
| Financed by: | | | | | | | | | |
| External Debt | | 1,192 | | | 3,927 | | | 3,927 | 5,119 |
| Impact Fee Reserve | | | | | 7,000 | | | 7,000 | 7,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,192 | - | - | 5,238 | 5,689 | - | - | 12,119 |
| Financed by: | | | | | | | | |
| External Debt | 1,192 | | | | 3,927 | | | 5,119 |
| Impact Fee Reserve | | | | 5,238 | 1,762 | | | 7,000 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 42 | 67 | 67 | 67 | 233 | 345 |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 42 | 67 | 67 | 67 | 233 | 345 |
| Less: Incremental Revenue/Recovery | 39 | | | 170 | 185 | |
| **Net Cost/(Benefit)** | 3 | 67 | 67 | (103) | 48 | 345 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 4

With this capital funding the Winnipeg Fire Paramedic Service seeks to maximize the efficiency of the station network. This is achieved through relocations, replacements, and major enhancements to stations that help reduce costs but maintain the desired level of response.

**2020:**

• Acquire land in order to secure a location for a new fire paramedic station.

**2023:**

• Preliminary land assessment and detailed design work.

• Begin construction.

**2024:**

• Complete construction.

Project Name: **Equipment Obsolescence**

Standing Policy Committee: Protection, Community Services and Parks

Department: Fire Paramedic Service
Project: 2104000020

Service: Medical Response
OurWinnipeg: Emergency Preparedness, Response and Recovery

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 5,232 | 1,043 | 3,852 | 841 | 1,017 | 1,138 | 7,891 | 13,123 |
| Financed by: | | | | | | | | | |
| External Debt | | 4,501 | 304 | 1,963 | 106 | 120 | 26 | 2,519 | 7,020 |
| Shared Health Capital Grant** | | 731 | 739 | 520 | 270 | 220 | 100 | 1,849 | 2,580 |
| External Debt on behalf of Shared Health*** | | | | 1,369 | 465 | 677 | 1,012 | 3,523 | 3,523 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,232 | 1,043 | 3,852 | 841 | 1,017 | 1,138 | - | 13,123 |
| Financed by: | | | | | | | | |
| External Debt | 4,501 | 304 | 1,963 | 106 | 120 | 26 | | 7,020 |
| Shared Health Capital Grant** | 731 | 739 | 520 | 270 | 220 | 100 | | 2,580 |
| External Debt on behalf of Shared Health*** | | | 1,369 | 465 | 677 | 1,012 | | 3,523 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 498 | 1,046 | 1,305 | 1,548 | 1,575 | 1,008 |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 498 | 1,046 | 1,305 | 1,548 | 1,575 | 1,008 |
| Less: Incremental Revenue/Recovery | 155 | 19 | 87 | 13 | 15 | 15 |
| **Net Cost/(Benefit)** | 343 | 1,027 | 1,218 | 1,535 | 1,560 | 993 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

These capital funds support an ongoing program that deals with the replacement of equipment that is at the end of its operating life, to ensure the continuity of front line emergency services.

The Fire Paramedic Service needs to replace the following specialized equipment in a cyclical process as it nears the end of its operating life. Funding for this equipment is provided by both the City of Winnipeg (CoW) and Shared Health (SH). The following list identifies the equipment and the funding source:

**2020**

**CoW funded assets:**

• Self-Contained Breathing Apparatus equipment, which allows fire fighters to breathe when entering a building, to check for occupants, and to extinguish fires;

**SH funded assets:**

• Cardiac monitor/defibrillators to provide paramedics with mobile patient cardiac monitoring and resuscitation capabilities;

• Power stretchers to transfer patients to and from ambulances safely and smoothly without causing paramedic injury.

***Equipment Obsolescence (continued):***

**2021**

**CoW funded assets:**

• Consoles used by emergency call takers and dispatchers.

**SH funded assets:**

• Cardiac monitor/defibrillators to provide paramedics with mobile patient cardiac monitoring and resuscitation capabilities;

• Power stretchers to transfer patients to and from ambulances safely and smoothly without causing paramedic injury;

• Consoles used by emergency call takers and dispatchers.

**2022**

**CoW funded assets:**

• Tough books to provide fire fighters with information en route and to record incident details;

• P25 radio equipment replacement;

• VESTA system upgrade for Next Generation 911.

**SH funded assets:**

• Cardiac monitor/defibrillators to provide paramedics with mobile patient cardiac monitoring and resuscitation capabilities;

• Tough books to provide paramedics with information en route and to record incident details;

• P25 radio equipment replacement;

• VESTA system upgrade for Next Generation 911;

• SimMan replacement.

**2023**

**CoW funded assets:**

• Decontamination units to clean vehicles that are exposed to dangerous fluids and compounds;

• Mechanical hoist replacement to enable safe maintenance of Fire apparatus.

**SH funded assets:**

• Cardiac monitor/defibrillators to provide paramedics with mobile patient cardiac monitoring and resuscitation capabilities;

• Decontamination units to clean vehicles that are exposed to dangerous fluids and compounds;

• Stair chairs used to bring patients safely to the ambulance from higher levels.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

** This project will not proceed until confirmation of funding is received from Shared Health (Province of Manitoba entity).

*** The City of Winnipeg will take out debt on behalf of Shared Health for this project. Shared Health will pay the interest and principal on this debt over an 8 year period.

Project Name: **Station Capital Maintenance**

Standing Policy Committee: Protection, Community Services and Parks

Department: Fire Paramedic Service
Project: 6321000020

Service: Fire and Rescue Response
OurWinnipeg: Emergency Preparedness, Response and Recovery

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 4,581 | 1,371 | 101 | 601 | 651 | 481 | 3,205 | 7,786 |
| Financed by: | | | | | | | | | |
| External Debt | | 1,504 | 610 | | | 158 | | 768 | 2,272 |
| Shared Health Capital Grant** | | 633 | 250 | | | | | 250 | 883 |
| External Debt on behalf of Shared Health | | 2,444 | 511 | 101 | 601 | 493 | 481 | 2,187 | 4,631 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,477 | 2,675 | 981 | 721 | 951 | 981 | - | 7,786 |
| Financed by: | | | | | | | | |
| External Debt | | 2,114 | | | 158 | | | 2,272 |
| Shared Health Capital Grant** | 633 | 250 | | | | | | 883 |
| External Debt on behalf of Shared Health*** | 844 | 311 | 981 | 721 | 793 | 981 | | 4,631 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | 102 | 206 | 206 | 214 | 223 |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | 102 | 206 | 206 | 214 | 223 |
| Less: Incremental Revenue/Recovery | 18 | 76 | 12 | 9 | 15 | 12 |
| **Net Cost/(Benefit)** | (18) | 26 | 194 | 197 | 199 | 211 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

These capital funds support an ongoing program of repair and structural maintenance to ensure station asset lives are maximized, thereby ensuring the service has an operable station network from which emergency response vehicles can be deployed across the whole city to meet required response times.

**2020**

• Building repairs and reconfiguration to stations 5 and 30;

• Roof replacement for stations 10 and 24.

**2021**

• Building repairs and reconfiguration to stations 14, 20, 22, and 25;

• Roof replacement for stations 5;

• Security upgrades.

***Station Capital Maintenance (continued):***

**2022**

• Building repairs and reconfiguration to stations 6, 24 and 26;

• Roof replacement for stations 10, 20 and 25.

**2023 and ongoing**

• Building repairs and reconfiguration to various stations;

• Roof replacement for various stations;

• Concrete repairs to station forecourts.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

** This project will not proceed until confirmation of funding is received from Shared Health (Province of Manitoba entity).

*** The City of Winnipeg will take out debt on behalf of Shared Health for this project. Shared Health will pay the interest and principal on this debt over an 8 year period.

Project Name: **Emergency Medical Services (EMS) Training Equipment**

Standing Policy Committee: Protection, Community Services and Parks

Department: Fire Paramedic Service
Project: 2108014120

Service: Medical Response
OurWinnipeg: Emergency Preparedness, Response and Recovery

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 107 | - | - | - | - | - | - | 107 |
| Financed by: | | | | | | | | | |
| Shared Health Capital Grant** | | 107 | | | | | | - | 107 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 107 | - | - | - | - | - | - | 107 |
| Financed by: | | | | | | | | |
| Shared Health Capital Grant** | 107 | | | | | | | 107 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | 1 | | | | | |
| **Net Cost/(Benefit)** | (1) | - | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

The Emergency Medical Service (EMS) utilizes SimMan (adult male) and SimBaby (child) mannequins to provide high fidelity patient simulations during the training and recertification programs for paramedics.

This project will acquire a SimMom (adult female) mannequin to provide high fidelity simulation for patients in active labour in a pre-hospital setting along with SimView equipment to control the simulation.

SimView provides the instructor with remote operation of the mannequin away from the student to make the environment as realistic as possible. SimView enables the instructor to initiate mannequin responses to patient care decisions during a scenario, thus maximizing the learning experience for the student.

** This project will not proceed until confirmation of funding is received from Shared Health (Province of Manitoba entity).

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Project Name: **Computer Automation**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development

Service: Property Asset Management

Project: 6361000420

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 106 | 100 | - | - | 100 | - | 200 | 306 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 106 | 100 | | | 100 | | 200 | 306 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 106 | 100 | - | - | 100 | - | - | 306 |
| Financed by: | | | | | | | | |
| Cash to Capital | 106 | 100 | | | 100 | | | 306 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 106 | 100 | | | 100 | - |
| **Total Direct Costs** | 106 | 100 | - | - | 100 | - |
| Less: Incremental Revenue/Recovery | 3 | 3 | | | 3 | |
| **Net Cost/(Benefit)** | 103 | 97 | - | - | 97 | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

This is an on-going office automation program. Its primary goals are to deliver cost-effective solutions that provide convenient customer service to our citizens and to improve organizational efficiencies. These goals can be achieved through expansion of online services, office/ workflow automation, re-engineering of legacy systems, electronic documents management, and systems integration (e.g. database synchronization) between Planning, Property and Development's applications and those of other departments.

It is anticipated that maintaining and improving a solid technological framework can provide the basis for organizational improvements that increase efficiency and reliability. In order to improve service delivery, the goal is to make information more accessible, streamline workflows, and reduce any duplication of efforts. It can also be argued that some initiatives such as electronic document submissions are not only citizen-friendly but environmentally responsible as well.

A general program of ongoing system improvement is suggested and is seen as reasonable to ensure the continued longevity and viability of the City's investment in office automation.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Cemeteries - Improvements**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development
Service: Cemeteries

Project: 6322100120
OurWinnipeg: Vitality

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 1,048 | 936 | 150 | - | - | - | 1,086 | 2,134 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 248 | 236 | | | | | 236 | 484 |
| Veterans Affairs Canada | | 800 | 700 | 150 | | | | 850 | 1,650 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,048 | 936 | 150 | - | - | - | - | 2,134 |
| Financed by: | | | | | | | | |
| Cash to Capital | 248 | 236 | | | | | | 484 |
| Veterans Affairs Canada | 800 | 700 | 150 | | | | | 1,650 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 248 | 236 | | | | |
| **Total Direct Costs** | 248 | 236 | - | - | - | - |
| Less: Incremental Revenue/Recovery | 18 | 16 | 2 | | | |
| **Net Cost/(Benefit)** | 230 | 220 | (2) | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

City funding is for the purchase and installation of columbaria and mausoleum interment facilities at City cemeteries. Also, Brookside Cemetery requires the establishment of new full body interment sections, including the installation of new roadways and landscaping, as existing interment sections are at capacity with less than 18 months of product remaining for sale in main sections. The Military Field of Honour (FOH) requires a new cremation interment area, to include columbaria, wall plaques, gardens and pathways. St. Vital cremation gardens requires extending to accommodate new product sales. These revenue-generating products/services will contribute to the Cemetery Service's goal of reaching financial self-sustainability. In addition, these funds are used for landscaping, materials and other costs comprising the City's contribution toward the FOH refurbishment project, which is described below.

Funding received from Veterans Affairs Canada (VAC), under a joint City-Federal funding agreement, is specifically for the refurbishment of the Military Field of Honour at Brookside Cemetery. The FOH is considered Canada's most significantly designated Military Field of Honour in which more than 10,000 Veterans, Service Men and Service Women and War Heroes are interred. All interments are marked by the Military Grey Barrie granite upright monument, mounted in a beam. The FOH refurbishment project involves the replacement of failed concrete beam foundations as well as the cutting, pinning, and cleaning of military monuments. VAC have provided funding for the Field of Honour since 2007 and will continue until the refurbishment is complete; anticipated timeline for completion is reduced to 5 years as VAC now has a funded program in place. The City contributes approximately $1 for every $3 contributed by VAC. This 5-year program will see all refurbishment complete and no funding required after 2022.

On October 26, 2016, Council approved that should future VAC funding commitments exceed the amount included in a given year's Cemeteries Improvements capital budget ("the incremental amount"), that the budget be increased by the incremental amount, subject to the execution of a Letter of Agreement. As such, in those instances where VAC provides funding commitments to the City for the refurbishment of Brookside Cemetery Military Field of Honour in excess of the amount included in the capital budget, the appropriate year's Cemeteries Improvements Capital Budget will be increased by the incremental amount.

Anticipated changes to VAC funding are not included in the submission as the agreement is pending.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Downtown Enhancement Program**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development
Service: City Beautification
Project: 6351800122
OurWinnipeg: Creativity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | - | - | 100 | 228 | 237 | 151 | 716 | 716 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 100 | 228 | 237 | 151 | 716 | 716 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 100 | 228 | 237 | 151 | - | 716 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 100 | 228 | 237 | 151 | | 716 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | 100 | 228 | 237 | 151 |
| **Total Direct Costs** | - | - | 100 | 228 | 237 | 151 |
| Less: Incremental Revenue/Recovery | | | 3 | 7 | 8 | 5 |
| **Net Cost/(Benefit)** | - | - | 97 | 221 | 229 | 146 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

The program objective is the functional and aesthetic improvements and required upgrades to public spaces and streetscapes in the Downtown and Exchange District National Heritage Site. The funds enhance accessibility, safety, comfort and urban design quality of pedestrian environments and fulfill the commitment to the "Downtown First" philosophy. The Downtown Winnipeg Urban Design Guidelines provide the guiding principles to support design and enhance the livability of Winnipeg's Downtown urban environment.

The program supports and develops ongoing partnership opportunities for future Public / Private development and redevelopment partnerships and projects such as: Old Market Square, Broadway, Hydro Tower, Millennium Library Park, Bonnycastle Park and the Assiniboine River Walk. Projects have traditionally relied on and/or leveraged other partnership opportunities and have supported private redevelopments.

These public open space and streetscape improvements are over and above and exclusive of work assumed by the Public Works, Transit, and Water and Waste Departments who are responsible for existing infrastructure such as curbs, street and sidewalk repairs, street trees, planters, boulevards, required maintenance and accessibility standards.

***Downtown Enhancement Program (continued):***

Priorities in 2020 - 2025 include but are not limited to:

- Air Canada Park
- Old Market Square
- Downtown and Exchange District Pedestrian Facilities Enhancements
- East Exchange Interpretative Strategies
- Chinatown
- Public Art Integration
- Halo SHED (Sports, Hospitality and Entertainment District) developments including: 266 Graham Avenue, Garry Street, Smith Street, Edmonton Street and St. Mary Avenue
- Ross Avenue sidewalk improvements and streetscaping
- Alexander Docks
- Supporting Exchange and Downtown BIZ placemaking initiatives
- Streetscaping support for larger scoped Public Works initiatives
- Broadway pedestrian enhancements

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **BIZ Zones, Image Routes and Neighbourhood Main Streets**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development
Service: City Beautification
Project: 6351241520
OurWinnipeg: Creativity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 352 | - | 126 | - | - | 151 | 277 | 629 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 352 | | 126 | | | 151 | 277 | 629 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 352 | - | 126 | - | - | 151 | - | 629 |
| Financed by: | | | | | | | | |
| Cash to Capital | 352 | | 126 | | | 151 | | 629 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 352 | | 126 | | | 151 |
| **Total Direct Costs** | 352 | - | 126 | - | - | 151 |
| Less: Incremental Revenue/Recovery | 11 | | 4 | | | 5 |
| **Net Cost/(Benefit)** | 341 | - | 122 | - | - | 146 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

The City of Winnipeg reinvests in partnered projects in Business Improvement Zone (BIZ) districts and Neighbourhood Main Streets. These areas have their own distinct character with their own style of mixed-use, walkable business districts that serve as the cores of their neighbourhoods. With the completion of "OurWinnipeg" and the adoption of the document "Complete Communities", these funds provide the opportunity for the City to work with the resident and business owners in partnerships between the City, BIZ, private sector, not-for-profit, other funding agencies, and other government bodies. This capital fund gives the incentive for the BIZ groups to go out and match dollars from sources other than the City. This capital fund, through partnerships, assists in stimulating community revitalization.

This enhancement program takes the form of decorative medians, pedestrian lighting, banner poles, special entry nodes, special pavement treatments, character signage, plants, trees and site furnishings, to ensure the renewal and sustainment of the infrastructure that creates a sense of place and destination in and along Business Improvement Zones and on Image Routes.

2020 - 2025: Projects are adjusted based upon community readiness and partnership opportunities.

These organizations utilize grants received from the City to leverage additional funding to undertake projects. Some of the BIZ's considered for funding in 2020 include, but are not limited to; West End BIZ, Osborne Village BIZ, Norwood Grove BIZ, Transcona BIZ, West Broadway BIZ, Selkirk Ave BIZ, and North End BIZ. Specific allocations to BIZ groups will be subject to Council approval of a separate report in early 2020. Project funding will be delivered as a grant to each BIZ group through legally executed Grant Agreements.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Public Art Strategy**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development

Service: Arts, Entertainment and Culture

Project: 6351400720

OurWinnipeg: Creativity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | | | | | | - | 200 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | | | | | | | 200 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 200 | | | | | |
| **Total Direct Costs** | 200 | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | | - | - | - | - | - |
| **Net Cost/(Benefit)** | 200 | - | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

On September 24, 2003, Council approved in principle the Public Art Policy of the Mayor's Task Force on Public Art in Winnipeg and directed that the Chief Administrative Officer work in conjunction with Winnipeg Arts Council to develop the necessary procedures for implementing the direction of the policy, including but not limited to those areas relating to governance and funding. Council adopted a Public Art Policy on October 27, 2004.

The Winnipeg Arts Council, as the City of Winnipeg's implementation partner, submits for approval annually, a plan for the works to be undertaken.

This program is excluded from corporate administrative overhead charges.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Developer Payback**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development
Service: Parks and Urban Forestry
Project: 6351000221
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 137 | 100 | - | - | - | 237 | 237 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 137 | 100 | | | | 237 | 237 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 137 | 100 | - | - | - | - | 237 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 137 | 100 | | | | | 237 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | 137 | 100 | | | |
| **Total Direct Costs** | - | 137 | 100 | - | - | - |
| Less: Incremental Revenue/Recovery | | 4 | 3 | | | |
| **Net Cost/(Benefit)** | - | 133 | 97 | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

The City of Winnipeg is legally obligated through the approved Development Agreement Parameters to provide payback on older Developer Agreements based on the approved 48/52 split on the development of park costs. The funding formula is that the City of Winnipeg contributes 52% to the park development costs. Additionally, recognizing the need to do work concurrently beyond the basic requirements of the Development Agreement, these funds will cover provision of basic amenities that are more cost-effective and practical to install at the time of initial development (such as pathways, lighting, site furnishings, tree planting), particularly for linear park developments.

Applications from some of the outstanding (older) agreements are now being received due to the ongoing build out.

Calculations are based on industry consultation and the actual reviewed costs of works as they are completed each calendar year. Capital requirements are updated on an ongoing basis to reflect industry build out and Development Agreement amendments.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Riverbank Stabilization - Physical Asset Protection**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Planning, Property and Development
Service: Land Drainage and Flood Control
Project: 6351300220
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 2,141 | 100 | - | - | - | - | 100 | 2,241 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 500 | 100 | | | | | 100 | 600 |
| Transfer from Prior Year Authorization | | 1,641 | | | | | | - | 1,641 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,141 | 100 | - | - | - | - | - | 2,241 |
| Financed by: | | | | | | | | |
| Cash to Capital | 500 | 100 | | | | | | 600 |
| Transfer from Prior Year Authorization | 1,641 | | | | | | | 1,641 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 500 | 100 | | | | |
| **Total Direct Costs** | 500 | 100 | - | - | - | - |
| Less: Incremental Revenue/Recovery | 70 | 3 | | | | |
| **Net Cost/(Benefit)** | 430 | 97 | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

In 2000, the Riverbank Stability Characterization Study evaluated stability conditions of 106 km of City owned riverbank property which comprises approximately 45% of all such river frontage within the City of Winnipeg. This initial assessment of City owned riverbanks has since been supplemented with a risk based asset management approach utilizing the proprietary Riverbank Asset Management System (RAMS), with a comprehensive update completed in 2015, with incremental updates since. To effectively provide erosion protection or stabilize all City owned riverbanks that generally exhibit positive benefit to cost ratio (considering the value of land lost over time to riverbank processes), a funding commitment of approximately $60 million would be required to fully address the 27 sites identified as "critical risk" and an additional $150 million to address the 89 sites categorized as "significant risk" (out of the 220 sites that have been assessed on the Red and Assiniboine Rivers).

To date, seven major priority sites have been stabilized via the Riverbank Stabilization and Physical Asset Protection Fund since 2003, namely, Annabella Street to May Street (2003), St. John's Park (2006), Bunn's Creek (2006), St. Vital Park (2008), Churchill Drive Park (2012), King's Park (2015) Guay Park (2016), and Tache between Provencher and Cathedral (2017) at a total cost of approximately $10 million.

The priority list provided below is not intended to be a program schedule and is subject to change with ongoing updates to RAMS, changes to the risk assessment, the results of investigations and monitoring programs, the addition of more sites to the database, or where cost savings can be achieved by collaborating with other City departments on specific projects. In particular, several of the following projects are interrelated with strategic Active Transportation projects.

***Riverbank Stabilization - Physical Asset Protection (continued):***

The project priority listing as of May 2019, including Class 5 cost estimates (Except Wellington Crescent), is as follows:

| Site | Amount |
|---|---|
| Assiniboine River - Wellington Crescent right of way from Assiniboine Park to Academy Road (See note below) | 2,500,000 |
| Red River - Osborne St - Brandon Ave to Woodward Ave (to support AT path development) | 2,100,000 |
| Red River - River Rd to Rivergate Dr (to support AT path development) | 2,900,000 |
| Red River - Crescent Dr Park | 1,600,000 |
| Red River - St. Cross St - Mortimer Pl to Anderson Ave | 2,400,000 |
| Red River - Canoe Club (subject to cost/benefit related to land use) | 6,400,000 |
| Red River - Lyndale Drive Park and Lyndale Dr Lawndale Ave to Claremont Ave | 3,400,000 |
| Red River - D'arcy Dr | 3,800,000 |
| Red River - River Road at Minnetonka | 1,100,000 |
| Red River - Michelle Jean Park | 2,000,000 |
| **Total** | **28,200,000** |

**Wellington Crescent Right of Way from Assiniboine Park to Academy Road:**

The Wellington Crescent project is currently in the functional design phase. The project is addressing the impacts and risk of riverbank instability to paths, gate chambers, outfalls, streets and greenspace along approximately 1km of the south bank of the Assiniboine River. The project is presently being managed by Planning, Property and Development (PPD) staff, and consultant assignments are funded from the 2016 Riverbank Stabilization capital program. As this project also addresses risk to Public Works Department (PWD) and Water and Waste Department (WWD) assets, it is proceeding with collaborative input and funding from all three departments. The following cost estimate is considered to be Class 4, and includes anticipated consulting fees and 25% contingency. The following cost estimate, based on the most favourable design strategy developed in the initial functional design exercise (completed spring 2019), includes riverbank stabilization, erosion protection as well as path and road realignment along various segments of the project site. Project construction will commence in 2020 or 2021 subject to the selected design option and the budget approval and funding availability.

| **Class 4 estimate:** | | **9,650,000** |
|---|---|---|
| PPD | Riverbank Stabilization-Physical Asset Protection (re-budget $0.264 million from 2016 and $1.377 million from 2017; utilize $0.359 million from existing, approved 2018 & 2019 budgets; 2020 budget request of $0.5 million) | 2,500,000 |
| WWD | $2.0 million from Outfall Rehabilitation program | 2,000,000 |
| PWD | Up to $3.0 million in 2020 and $2.1 million in 2021 funded under the Public Works - Regional and Local Street Renewal program | 5,100,000 |
| Other | Grant - Great Trail | 50,000 |

Geotechnical investigations and monitoring programs are underway at the Wellington Crescent, Osborne Street, River to Rivergate, Lyndale Drive Park and River Road at Minnetonka sites.

Re-budgeted funds to be spent in 2020 are earmarked for the implementation of the inter-departmental “Wellington Crescent Riverbank Path and Roadway Works Project”. Funding in 2020 of $1.641 million includes rebudgeted amounts from 2016 and 2017 - see Appendix 4.

Project will not proceed until a class 3 estimate is obtained.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Golf Lands Repurposing Review and Recreation Amenities (formerly Golf Course Amenities)**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development
Service: Recreation

Project: 6351XXXX20
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,000 | | | | | | - | 1,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,000 | | | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 1,000 | | | | | |
| **Total Direct Costs** | 1,000 | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | 33 | | | | | |
| **Net Cost/(Benefit)** | 967 | - | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Prior capital forecast allocated $1 million in 2019 for public consultations and possible amenities, such as tennis courts or soccer facilities, at the Canoe Golf Course site due to the lease expiry in April 2019. The previous years' capital detail sheet also stated that, should the lease for the current 9-hole course be renewed, the funding may be returned to other area parks projects. The lease on the Canoe Club Golf Course has now been extended for three years due to ongoing debate about the changes to the course layout.

In order to better consider the future of the Canoe Club site in the context of a multi-year budget, the funding set aside for onsite improvements in 2019 had been deferred to 2020. Owing to the proposal in the 2020 multi-year budget to proceed with a review of all City golf courses and possible transformative use, the funding will no longer be allocated to amenities at the Canoe Club golf course site. $200,000 will be used to procure third party resources to assist in the development of the golf lands re-purposing plan contained in the operating budget recommendations (refer to recommendation 1.G). The remaining $800,000 will be used for other area park and recreational projects as follows:

- Norberry-Glenlee Community Centre universal play structure ($100,000)
- Glenwood Community Centre rink projects ($80,000)
- Greendell Park Community Centre rink boards ($80,000)
- Memorial Park site improvements ($80,000)
- Shirley Render Park pathways ($60,000)
- Ron Duhamel park tennis / pickleball project ($240,000)
- Highbury Park baseball project ($50,000)
- Greenwood Park play structure renewal ($80,000)
- Trail improvements McCubbins Cross Country and Kilcona Dog Park – Kilcona Park ($30,000)

Project Name: **Digital Permitting**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development
Service: Development Approvals, Building Permits and Inspections
Project: 6361000020
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,215 | 1,947 | 1,019 | - | - | - | 2,966 | 4,181 |
| Financed by: | | | | | | | | | |
| Permit Reserve | | 1,215 | 1,947 | 1,019 | | | | 2,966 | 4,181 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,215 | 1,947 | 931 | 88 | - | - | - | 4,181 |
| Financed by: | | | | | | | | |
| Permit Reserve | 1,215 | 1,947 | 931 | 88 | | | | 4,181 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs * | | 823 | 1,411 | 1,411 | 1,411 | 1,411 |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | 823 | 1,411 | 1,411 | 1,411 | 1,411 |
| Less: Incremental Revenue/Recovery | 38 | 884 | 1,440 | 1,414 | 1,411 | 1,411 |
| **Net Cost/(Benefit)** | (38) | (61) | (29) | (3) | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

The project is comprised of these major elements:

• Analysis phase in 2020 will determine the roadmap/plan to achieve the required business outcomes and produce the class 3 estimate required to proceed to solution procurement.

• Foundational business process re-engineering will be performed concurrent to procurement activities to prepare for automation of the permit processes.

• Solution implementation will require extensive business and technical resources over an 18-month period as the optimized business processes are deployed within the selected solution.

The project outcomes will support the move to the digitization of all online functions on the permitting and inspections process, providing improved efficiency by:

• actively managing workflows and workplace monitoring,

• enabling multiple departments, agencies, and jurisdictions to share data across a single database,

• supporting online permit and appointment requests, and

• providing enhanced customer reporting and enhanced document management, among many other benefits.

In the event the Permit Reserve is unable to generate sufficient funds to cover the project in any given year, the General Capital Fund will interim finance until repaid by the reserve.

The 2020 program may include a maximum of 6 temporary capital funded full-time equivalents.Temporary staffing costs of $0.93 million are included in the $4.181 million overall project budget.

* The costs are included in the operating budget net of revenues assuming full cost recovery. In 2021, costs and revenues will be adjusted to present gross amounts but still reflecting full cost recovery.

## PLANNING PROPERTY AND DEVELOPMENT - MUNICIPAL ACCOMMODATIONS FUND

Project Name: **Transcona Centennial Pool**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Municipal Accommodations
Service: Recreation

Project: 6392010120
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,700 | 100 | - | - | - | - | - | - | 100 |
| Financed by: | | | | | | | | | |
| Transfer from Prior Year Authorization | | 100 | | | | | | - | 100 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | - | - | - | - | - | 100 |
| Financed by: | | | | | | | | |
| Transfer from Prior Year Authorization | 100 | | | | | | | 100 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | 3 | | | | | |
| **Net Cost/(Benefit)** | (3) | - | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 1

On January 29, 2013, Council approved $5.8 million for the expansion of the Transcona Centennial Pool outdoor aquatic facility that included expanded splash pad and slides; beach entry to the pool; improved mechanical system upgrades; site works and landscaping; as well as improvements to the change rooms and other components of the current building (mechanical, electrical, windows, etc.).

Although the occupancy permit was issued in 2017, there remain several deficiencies to be addressed by the general contractor prior to issuance of the Certificate of Total Performance. The 2020 re-budgeted amount, originally budgeted in 2013, is to be utilized for final payments subject to all deficiencies being satisfactorily addressed and a Certificate of Total Performance being issued.

Funding in 2020 of $100,000 includes rebudgeted amounts from the 2013 budget - see Appendix 4.

## PLANNING PROPERTY AND DEVELOPMENT - MUNICIPAL ACCOMMODATIONS FUND

Project Name: **Sherbrook Pool Reopening**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Municipal Accommodations
Service: Recreation

Project: 6392040120
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,773 | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Kinsmen Club of Winnipeg (Sponsor Winnipeg) | | 48 | 48 | 48 | | | | 96 | 144 |
| Interim Financing from General Capital Fund / (Repayment) | | (48) | (48) | (48) | | | | (96) | (144) |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | |
| Kinsmen Club of Winnipeg (Sponsor Winnipeg) | 48 | 48 | 48 | | | | | 144 |
| Interim Financing from General Capital Fund / (Repayment) | (48) | (48) | (48) | | | | | (144) |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable

On December 17, 2013, Council approved $1.671 million in capital funding for the reopening of Sherbrook Pool. The funding consisted of $0.2 million from the Mayor's 2013 Civic Initiatives Fund, $0.4 million from the 2014 Parks and Recreation Enhancement Program, $0.6 million from the Daniel McIntyre Recreation Initiative, $0.271 million from Building Communities Initiative (BCI) II - Phase 3 (formerly "Recreation and Leisure Facilities" amended by the City and Province October 2, 2013) and $0.2 million from the Municipal Accommodations operating funds. On June 27, 2014, BCI Policy Committee approved an additional allocation of $0.15 million from BCI II - Phase 2.

On March 7, 2014, it was announced that the Kinsmen Club of Winnipeg will make a Sponsor Winnipeg contribution of $1 million towards the renovation of Sherbrook Pool. Subsequent to this announcement, the City learned that such contributions are now deemed subject to GST, reducing the net contribution from $1 million to $0.952 million. On May 16, 2014, the Province announced a contribution of $1 million in 2015 Manitoba-Winnipeg Infrastructure Agreement funding toward the rehabilitation project.

On September 24, 2014, Council approved that the Kinsmen Club, if required, be provided with the option to extend the time period for the payment of their sponsorship contribution to a 9-year period with the final payment to be received by the City in 2022. It was anticipated that $572,000 (60%) in payments would be received by the end of 2015 with payments of $95,000 (10%) each year from 2016 to 2019.

***Sherbrook Pool Reopening (continued):***

On January 27, 2016, Council approved a revised payment schedule for the Kinsmen Club as follows: the first payment of $500,000 (i.e. $476,000 net of GST) to be received by the City on or before March 31, 2016; the remaining payments of $100,000 (i.e. $95,000 net of GST) per year to be received on or before December 31 in each year beginning with the year 2016 and continuing until December 31, 2020 with all payments totaling $1 million including GST. The payments of $476,000 before March 31, 2016 and $96,000 in 2016 equals the Council approved 2015 budget of $572,000. Kinsmen Club, if required, was also permitted to extend the time period of the payment of its sponsorship contribution to a 9-year period with the final payment to be received by the City no later than 2024. The Kinseman Club exercised this option in 2019 and remitted $48,000 ($50,000 net of GST) and will remit the remaining $144,000 in $48,000 installments from 2020 to 2022.

Project Name: **Strategic Facilities Master Plan**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Municipal Accommodations
Service: Property Asset Management

Project: 6331003120
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 450 | 250 | - | - | - | - | 250 | 700 |
| Financed by: | | | | | | | | | |
| Land Operating Reserve | | 450 | 250 | | | | | 250 | 700 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 450 | 250 | - | - | - | - | - | 700 |
| Financed by: | | | | | | | | |
| Land Operating Reserve | 450 | 250 | | | | | | 700 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | 15 | 8 | | | | |
| **Net Cost/(Benefit)** | (15) | (8) | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

By combining staff input and the results of industry expert findings, this plan will focus on facility status reporting, prioritization, funding and accountability. This will include the following:

1) addressing capacity, to minimize service delivery gaps and anticipate growth, 2) meeting changing health and safety regulations, 3) establishing an asset prioritization framework, 4) compiling a detailed building asset inventory, 5) meeting environmental and climate commitments, 6) preparing a risk plan for facilities and, 7) achieving financial sustainability with facilities that are affordable to build, operate, maintain, renew and dispose (life cycle approach); always in alignment with and support City mandates.

The Strategic Facilities Master Plan goal is to ensure that in 20 years, the City of Winnipeg's current delivered services are continuing to be delivered and where possible, improved in a manner that is financially affordable, environmentally sound and delivers best value for residents to 2040 and beyond.

Project Name: **Carlton Walkways**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Municipal Accommodations
Service: Property Asset Management

Project: 6331003420
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 2,344 | - | - | - | - | - | - | 2,344 |
| Financed by: | | | | | | | | | |
| External Debt | | 2,344 | | | | | | | 2,344 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,344 | - | - | - | - | - | - | 2,344 |
| Financed by: | | | | | | | | |
| External Debt | 2,344 | | | | | | | 2,344 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 101 | 164 | 164 | 164 | 164 | 164 |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 101 | 164 | 164 | 164 | 164 | 164 |
| Less: Incremental Revenue/Recovery | 76 | | | | | |
| **Net Cost/(Benefit)** | 25 | 164 | 164 | 164 | 164 | 164 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 4

The two existing weather protected walkways over Carlton Street were constructed in 1974 in support of the development of the Winnipeg Convention Centre. The existing concrete cladding panels are in poor condition and exhibit varying degrees of cracking, delamination and spalling. The existing windows are original to the structure and have exceeded their intended service life. Emergency cladding stabilization was completed in 2016 in order to delay the need for full replacement of the cladding for 3 years. Replacement of the cladding on the two weather protected walkways is now required to maintain the existing level of service. Further inspections were initiated in 2019 to determine the extent of required interim repairs prior to the scheduled cladding replacement in 2020.

It is recommended that the cladding replacement on both of the weather protected walkways in question be completed at the same time. Both existing walkways are of similar age and construction. Completing construction on both the walkways at the same time will reduce costs and disruption to users of the walkways and the street below.

Construction will not commence until a class 3 estimate is obtained.

Project Name: **Health/Life Safety/Emergency Systems Refurbishment/City-wide Accessibility**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Municipal Accommodations
Service: Property Asset Management
Project: 6331009020
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,813 | 3,273 | 931 | 1,333 | 2,660 | 943 | 9,140 | 10,953 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 113 | 1,122 | 831 | 687 | | 943 | 3,583 | 3,696 |
| Land Operating Reserve | | 1,700 | 1,700 | | | 1,700 | | 3,400 | 5,100 |
| Federal Gas Tax | | | | 100 | 646 | 960 | | 1,706 | 1,706 |
| External Debt | | | 451 | | | | | 451 | 451 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,813 | 3,273 | 931 | 1,333 | 2,660 | 943 | - | 10,953 |
| Financed by: | | | | | | | | |
| Cash to Capital | 113 | 1,122 | 831 | 687 | | 943 | | 3,696 |
| Land Operating Reserve | 1,700 | 1,700 | | | 1,700 | | | 5,100 |
| Federal Gas Tax | | | 100 | 646 | 960 | | | 1,706 |
| External Debt | | 451 | | | | | | 451 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 113 | 1,122 | 831 | 687 | | 943 |
| **Total Direct Costs** | 113 | 1,122 | 831 | 687 | - | 943 |
| Less: Incremental Revenue/Recovery | 59 | 106 | 28 | 30 | 67 | 31 |
| **Net Cost/(Benefit)** | 54 | 1,016 | 803 | 657 | (67) | 912 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Capital program to fund investments ensuring health/life safety requirements and the highest-and-best use investments associated with preserving continued facility operations that arise annually. Specifically, this program encompasses planned or emergency refurbishment, replacement, repair and maintenance upgrade projects for fire and life safety (e.g., emergency lighting), heating, ventilation, air conditioning, electrical, plumbing, building envelope, structural requirements, emergency power generation, and uninterrupted power systems. Funding is also allocated for critical systems including building automation and climate control, security, access control, and closed-circuit television systems. This program also ensures adherence to regulatory compliance upgrades, asbestos and other hazardous material remediation, and asset condition assessments. Finally, this program addresses physical accessibility issues such as lighting, signage, and public entranceways.

Projects include the following at various locations:

• Fire alarm system, fire separations, exit signs and associated repairs and upgrades

• Asbestos and hazardous materials remediation

• Elevator repairs and upgrades

***Health/Life Safety/Emergency Systems Refurbishment/City-Wide Accessibility (continued):***

• Structural evaluations and repairs

• Roof repairs and replacements

• Building System (heating, ventilation, and air conditioning, building envelop, electrical, plumbing, structural, etc.) repairs and replacements

• Uninterrupted power systems and emergency power generation systems repairs and upgrades

• Diesel exhaust fume mitigation

• Building automation, access control, intrusion, closed-circuit television, intercom systems repairs and upgrades

• Parking lots and underground services repairs and upgrades

• Rink floors, pool tank and deck repair, etc. repairs and upgrades

• Lighting conversions and retro-commissioning

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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Project Name: **Corporate Records Centre**

Standing Policy Committee: Executive Policy Committee

Department: City Clerks
Project: 0400000922

Service: Heritage Conservation
OurWinnipeg: Heritage

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 875 | - | - | 100 | - | - | - | 100 | 100 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 100 | | | | 100 | 100 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 100 | - | - | - | - | 100 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 100 | | | | | 100 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | 100 | | | |
| **Total Direct Costs** | - | - | 100 | - | - | - |
| Less: Incremental Revenue/Recovery | | | 3 | | | |
| **Net Cost/(Benefit)** | - | - | 97 | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

The City Clerk's Department, Archives and Records Control Branch, supports records and information management City-wide, manages access and privacy responsibilities for the City, and operates the City of Winnipeg Archives and the Corporate Records Centre. During 2018 and 2019, the branch prepared for and coordinated the move of the Corporate Records Centre out of 311 Ross into newly outfitted space at 1450 Mountain. This move enabled the branch to increase storage capacity for records scheduled under the records management by-law, utilize specialized shelving solutions to better accommodate variable sized box transfers from departments, and realize operational efficiencies. Archival storage and public access/research services continue to be delivered out of a leased facility at 50 Myrtle.

This project will ensure that the Corporate Records Centre continues to meet demand for storage of records scheduled under Records Management By-law 86/2010 (“by-law”). Costs will include installation of additional specialized shelving solutions and the purchase of equipment to manage inventory to ensure that City records are protected as required by by-law and can be accessed and retrieved in an effective manner.

Costs will be well known given 2018/2019 request for proposals developed to implement storage solutions.

Ongoing development of the Corporate Records Centre is essential to sound records management. Cost-effective storage and inventory management services enable departments to better manage records in accordance with the by-law and the administrative standard, resulting in an increase in routine transfers of records out of expensive operational space to the Corporate Records Centre. A further capital project will be established at the 5-year mark from this project. Development of the Corporate Records Centre supports the City's commitment to increased transparency and better response times to requests through access legislation.

Project Name: **Election Systems**

Standing Policy Committee: Executive Policy Committee

Department: City Clerks
Project: 0400000521

Service: Council Services
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 100 | 110 | - | - | 100 | 310 | 310 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 100 | 110 | | | 100 | 310 | 310 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 100 | 110 | - | - | 100 | - | 310 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 100 | 110 | | | 100 | | 310 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | 100 | 110 | | | 100 |
| **Total Direct Costs** | - | 100 | 110 | - | - | 100 |
| Less: Incremental Revenue/Recovery | | 3 | 4 | | | 3 |
| **Net Cost/(Benefit)** | - | 97 | 106 | - | - | 97 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

In accordance with the department's statutory responsibility to compile a List of Electors and convene elections, every four years the department ensures the renewal of equipment and systems used in election processes.

As some of the systems are only used every 4 years, they require either extensive renovations or complete rewrites to allow them to function with changed systems, networks, and databases. In the past, this has involved corporate mainframes and a large number of staff hours. For the 2018 election, the City Clerk's Department ensured systems were operational using in-house resources and contract personnel, and by purchasing ready made systems from election partners, such as our voting machine partner, Election Systems and Software and our voters list partners, Elections Canada and Elections Manitoba.

Systems which need to be upgraded / revitalized for the 2022 election include the List of Electors system, Geographic Information System mapping, election night reporting systems and web sites, especially those utilizing the Internet for increased security and more effective communication with candidates, media, and the public.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Audio / Video Equipment Replacement**

Standing Policy Committee: Executive Policy Committee

Department: City Clerks
Project: 0400001823
Service: Council Services
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 100 | - | - | 100 | 100 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 100 | | | 100 | 100 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 100 | - | - | - | 100 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 100 | | | | 100 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | 100 | | |
| **Total Direct Costs** | - | - | - | 100 | - | - |
| Less: Incremental Revenue/Recovery | | | | 3 | | |
| **Net Cost/(Benefit)** | - | - | - | 97 | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

The City Clerk's Department undertakes over 200 protocol events annually including openings, announcements, and flag raisings, where audio and other pool sound, and other technology is required. The department also supports live streaming, live television broadcast, recording of and providing various audio / video capabilities in six separate meeting areas, including the Council Chamber. These facilities are used for 300+ meetings of Council and its committees, and up to 5,000 appeal hearings each year. Equipment used for protocol events including speakers, amplifiers, pool sound, etc. is often used outdoors and is required to be moved from event to event. As such, the equipment does require regular maintenance and replacement to ensure 100% operational ability and reliability.

Equipment used in committee rooms is less subject to physical stresses, but is used virtually every day. Much of the equipment was refreshed in 2017 and is expected to have a 5-year life span. Equipment includes automated cameras, microphones, speakers, amplifiers, digital recorders, live streaming boxes, closed captioning converters, digital storage, and television broadcast stations. The committee rooms' equipment is accessed by the public, media, outside television stations, etc. which causes it to be subject to obsolescence, and must be upgraded to ensure the various feeds can be accessed by newer technology and can access evolving City networks.

## INNOVATION TRANSFORMATION AND TECHNOLOGY - GENERAL CAPITAL FUND

Project Name: **Innovation Strategy**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 3459000120

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,618 | 1,360 | 750 | 500 | 250 | - | - | 1,500 | 2,860 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 500 | | | | | | | 500 |
| Internal Financing | | 500 | 750 | 500 | 250 | | | 1,500 | 2,000 |
| Transfer from Prior Year Authorization | | 360 | | | | | | | 360 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,360 | 750 | 500 | 250 | - | - | - | 2,860 |
| Financed by: | | | | | | | | |
| Cash to Capital | 500 | | | | | | | 500 |
| Internal Financing | 500 | 750 | 500 | 250 | | | | 2,000 |
| Transfer from Prior Year Authorization | 360 | | | | | | | 360 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 29 | 103 | 177 | 222 | 237 | 237 |
| Transfer to General Capital Fund | 500 | | | | | |
| **Total Direct Costs** | 529 | 103 | 177 | 222 | 237 | 237 |
| Less: Incremental Revenue/Recovery | 44 | 24 | 16 | 8 | | |
| **Net Cost/(Benefit)** | 485 | 79 | 161 | 214 | 237 | 237 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

The Innovation Strategy Program (ISP) will enable the City to create innovative ideas, utilize innovative technologies, and approaches to improve existing systems, tools, and processes to primarily reduce costs or increase revenue, improve service levels, and add new capabilities. This will enable the Chief Innovation Officer to fulfill the mandate of driving innovation for the City of Winnipeg to make us smarter, more efficient, and more effective in meeting the needs of a growing City.

Winnipeg currently operates below optimum service levels in many areas. Adequate resource levels are often cited for the gap between what should be delivered and what is delivered for both external, citizen centric services as well as internal, administrative services. Prior to 2019, consideration of innovation to explore alternative technologies, ideas, processes and build new capabilities to bridge the gap has been limited. Winnipeg is filling its resourcing gap with innovation capability and outcomes that focus on offering a return on investment.

Projects within the ISP will be selected and delivered to build and reinforce a culture of innovation and provide the City with tangible outcomes. Transforming how services are delivered, or changing the service levels that a service can provide will be the focus. These projects will be delivered with a balanced approach that blends Innovation Engineering methods with the City's project management principles. Projects undertaken as part of the ISP will produce expected benefit of operational efficiency gains, cost avoidance, citizen impact, revenue increase and cost decreases.

***Innovation Strategy (continued):***

The portfolio of innovation investments may include, but not be limited to:

• Innovation Technology Pilots will encompass pilot and trial projects that focus on the applications of novel technologies or novel applications of commodity technologies to business problems with an emphasis on identifying small projects that answer questions and test hypotheses to better inform future incrementally larger trials.

• Innovation Business Process Enhancement will look at the application of business modelling techniques to existing business processes that are currently a significant bottleneck or hindrance. This will focus less on technology and more on addressing the human and organizational business process elements and how those can be optimized for cost savings through appropriate analysis and application of Innovation Engineering methodology.

• Innovation Prototyping represents a collection of small projects aimed at testing concepts in a fail-fast-fail-cheap mindset. If efficiency gains are proven they will often be the precursor to projects started in the other areas. These small initiatives will aim to gather information about the viability of an idea, technology, or approach in order to ensure that follow-up project decisions are made with demonstrated value.

Included in 2020 is $360,000 rebudgeted from the adopted 2016-2018 Innovation Capital Fund (City Clerks) - see Appendix 4.

The 2020 program may include a maximum of 7 temporary capital funded full-time equivalents.

The program budget is available for the Chief Innovation Officer to make allocations to projects as deemed necessary.

Project Name: **Smart Cities Innovation Program**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 3459100120

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,000 | 1,000 | 750 | 500 | 250 | - | - | 1,500 | 2,500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 500 | | | | | | - | 500 |
| Internal Financing | | 500 | 750 | 500 | 250 | | | 1,500 | 2,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 750 | 500 | 250 | - | - | - | 2,500 |
| Financed by: | | | | | | | | |
| Cash to Capital | 500 | | | | | | | 500 |
| Internal Financing | 500 | 750 | 500 | 250 | | | | 2,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 29 | 103 | 177 | 222 | 237 | 237 |
| Transfer to General Capital Fund | 500 | | | | | |
| **Total Direct Costs** | 529 | 103 | 177 | 222 | 237 | 237 |
| Less: Incremental Revenue/Recovery | 33 | 24 | 16 | 8 | - | |
| **Net Cost/(Benefit)** | 496 | 79 | 161 | 214 | 237 | 237 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

City departmental services depend on foundational systems (e.g. people, process, technology) that are critical to the successful delivery of those services. These foundational systems and capabilities will be the focus of the Smart Cities Innovation Program, improving shared, or foundational, areas to raise the level of effectiveness across the organization.

The Smart Cities Innovation Program will enable the City of Winnipeg to investigate and pilot LEAP innovations (LEAP innovations is a term for high impact, high risk innovations that have the potential to transform how a business delivers services, or the services a business delivers) in systems that are currently good enough for the present expectations, and yet are foundational to, and unable to support, service delivery long-term. The Smart Cities Innovation Program will deliver projects which in turn will lay the groundwork for building business cases to improve systems and processes. The Smart Cities Innovation Program will be fundamental to creating strategic outcomes.

The Smart Cities Innovation Program projects will be delivered in a manner consistent with the Innovation Strategy Program, ensuring that high-risk, high-uncertainty, projects are delivered appropriately, and in a way that limits risk exposure with prioritization based on potential impact and ability to support strategic outcomes and goals, as outlined in strategic and visionary plans (e.g. OurWinnipeg). The Smart Cities Innovation Program will enable businesses and departments to identify and begin to address barriers to delivery of strategic objectives proactively as opposed to reactively.

Smart Cities Innovation Program projects will align with strategic and architectural frameworks and roadmaps, and in some cases shape future strategy and architecture for the City of Winnipeg and with consideration for awareness and collaboration with other municipalities to create and share benefits.

***Smart Cities Innovation Program (continued):***

The projects may include, but not be limited to:

• Transportation Management Centre Expansion - expand capabilities to support additional service improvements (e.g. automated analysis of video footage for snow clearing, road condition, active transportation usage patterns; emergency vehicle traffic signal pre-emption).

• Economic Development Data Analysis - identify the data that can support the best possible economic development decision making through City planning and establish the processes and technology to allow for evidence based decision making.

• Technical Architecture - implementation of city-wide standardized technical architectures that allows business services to be delivered and sustained at lower cost and reduced business risk.

• Citizen Experience - establish the processes, data, and technology required to allow citizens to have access to their complete relationship with the City when they contact 311 or through online service options.

The 2020 program may include a maximum of 4 temporary capital funded full-time equivalents.

The program budget is available for the Chief Innovation Officer to allocate funding to projects based on financing requirements.

Project Name: **Enterprise Computing Initiatives**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 3402500020

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 1,962 | 2,091 | 1,172 | 1,103 | 574 | 1,956 | 6,896 | 8,858 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 1,190 | 1,172 | 1,103 | 574 | 1,181 | 5,220 | 5,220 |
| External Debt | | 1,962 | 901 | | | | | 901 | 2,863 |
| Transfer from Prior Year Authorization | | | | | | | 775 | 775 | 775 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,962 | 2,091 | 1,172 | 1,103 | 574 | 1,956 | - | 8,858 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 1,190 | 1,172 | 1,103 | 574 | 1,181 | | 5,220 |
| External Debt | 1,962 | 901 | | | | | | 2,863 |
| Transfer from Prior Year Authorization | | | | | | 775 | | 775 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | 99 | 171 | 175 | 185 | 193 | 203 |
| Debt and finance charges | 217 | 542 | 647 | 647 | 647 | 392 |
| Transfer to General Capital Fund | | 1,190 | 1,172 | 1,103 | 574 | 1,181 |
| **Total Direct Costs** | 316 | 1,903 | 1,994 | 1,935 | 1,414 | 1,776 |
| Less: Incremental Revenue/Recovery | 64 | 68 | 38 | 36 | 19 | 64 |
| **Net Cost/(Benefit)** | 252 | 1,835 | 1,956 | 1,899 | 1,395 | 1,712 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

The City utilizes enterprise servers and storage and systems software infrastructure to address the computing requirements of a wide variety of critical business functions (311, PeopleSoft, Property Assessment, Taxation, Permitting, Parking Enforcement, Public Facing Internet, etc.). This infrastructure has a finite lifespan and needs to be replaced (evergreened) on a periodic basis to ensure its continued operation and support of the business functions. There are also requirements to expand the capacity of this infrastructure to support the growing requirements of the organization.

Included in 2025 is $775,000 rebudgeted from the previously approved capital programs - see Appendix 4.

The initiatives in the 2020 program may include a maximum of 4 temporary capital funded full-time equivalents.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Communications Network Infrastructure**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 3401200020

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 385 | 395 | 1,184 | 923 | 476 | 447 | 3,425 | 3,810 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 186 | 243 | 476 | | 905 | 905 |
| External Debt | | 385 | 301 | | | | | 301 | 686 |
| Transfer from Prior Year Authorization | | | 94 | 998 | 680 | | 447 | 2,219 | 2,219 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 385 | 395 | 1,184 | 923 | 476 | 447 | - | 3,810 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 186 | 243 | 476 | | | 905 |
| External Debt | 385 | 301 | | | | | | 686 |
| Transfer from Prior Year Authorization | | 94 | 998 | 680 | | 447 | | 2,219 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | 11 | 16 | 32 | 55 | 61 | 68 |
| Debt and finance charges | 42 | 120 | 155 | 155 | 155 | 105 |
| Transfer to General Capital Fund | | | 186 | 243 | 476 | |
| **Total Direct Costs** | 53 | 136 | 373 | 453 | 692 | 173 |
| Less: Incremental Revenue/Recovery | 13 | 13 | 38 | 30 | 15 | 15 |
| **Net Cost/(Benefit)** | 40 | 123 | 335 | 423 | 677 | 158 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

Communications Network Infrastructure is the implementation and enhancement of the backbone network infrastructure which connects the computers in civic departments. This is a high speed infrastructure to enable the sharing and distribution of corporate information across departments with more management, control, flexibility, and ease of use at the department level.

Included are rebudgeted amounts totaling $2.219 million from adopted 2015-2019 capital programs - see Appendix 4.

The initiatives in this program may include a maximum of 1 temporary, capital funded full-time equivalent.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Printing Graphics & Mail Services Asset Renewal**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 3458400021

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 152 | - | 350 | - | - | - | - | 350 | 350 |
| Financed by: | | | | | | | | | |
| Transfer from Prior Year Authorization | | | 350 | | | | | 350 | 350 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 350 | - | - | - | - | - | 350 |
| Financed by: | | | | | | | | |
| Transfer from Prior Year Authorization | | 350 | | | | | | 350 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | | 11 | | | | |
| **Net Cost/(Benefit)** | - | (11) | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

Evergreen the essential printing graphics and mail services assets to ensure continued reliable production of critical revenue generating print and mail streams and to reduce the risks associated with unacceptable quality, delayed deliveries, and limited production capabilities.

Included in 2021 is $350,000 rebudgeted from adopted 2015-2019 capital programs - see Appendix 4.

Project Name: **Information Security Initiatives**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 34XX000020

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 628 | 136 | 194 | 140 | 144 | 199 | 776 | 1,453 | 1,589 |
| Financed by: | | | | | | | | | |
| External Debt | | 136 | | | | | | | 136 |
| Transfer from Prior Year Authorization | | | 194 | 140 | 144 | 199 | 776 | 1,453 | 1,453 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 136 | 194 | 140 | 144 | 199 | 776 | - | 1,589 |
| Financed by: | | | | | | | | |
| External Debt | 136 | | | | | | | 136 |
| Transfer from Prior Year Authorization | | 194 | 140 | 144 | 199 | 776 | | 1,453 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | 2 | 5 | 33 | 64 | 97 | 132 |
| Debt and finance charges | 15 | 31 | 31 | 31 | 31 | 13 |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 17 | 36 | 64 | 95 | 128 | 145 |
| Less: Incremental Revenue/Recovery | 4 | 6 | 5 | 5 | 6 | 25 |
| **Net Cost/(Benefit)** | 13 | 30 | 59 | 90 | 122 | 120 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

Information Security initiatives will provide the minimum acceptable level of protection against the rapidly increasing number of threats to City business systems. The program will implement the processes, tools, and people elements required to manage the risk. Without the program, the City will be facing levels of security risk that could cause widespread business impact and prevent the City from meeting legislated responsibilities for the confidentiality, integrity, and availability of critical data.

Included are rebudgeted amounts totaling $1.453 million from adopted 2015-2019 capital programs - see Appendix 4.

Project Name: **Microsoft Office License Evergreen**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 34XX000020

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,597 | 711 | - | 633 | - | 802 | - | 1,435 | 2,146 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 243 | | 243 | 243 |
| External Debt | | 711 | | | | | | | 711 |
| Transfer from Prior Year Authorization | | | | 633 | | 559 | | 1,192 | 1,192 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 711 | - | 633 | - | 802 | - | - | 2,146 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 243 | | | 243 |
| External Debt | 711 | | | | | | | 711 |
| Transfer from Prior Year Authorization | | | 633 | | 559 | | | 1,192 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 79 | 160 | 160 | 160 | 160 | 67 |
| Transfer to General Capital Fund | | | | | 243 | |
| **Total Direct Costs** | 79 | 160 | 160 | 160 | 403 | 67 |
| Less: Incremental Revenue/Recovery | 23 | | 21 | | 26 | |
| **Net Cost/(Benefit)** | 56 | 160 | 139 | 160 | 377 | 67 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

Upgrade Microsoft Office Productivity Software to a supported version so critical security updates are received from Microsoft. Without security updates, the software cannot be used due to the organizational risk of security attacks to the rest of the City computing environment. Continued upgrading of Microsoft Office Productivity Software in 2020 to avoid loss of use of Microsoft Office and widespread business impact.

Included are rebudgeted amounts totaling $1.192 million from adopted 2015-2019 capital programs - see Appendix 4.

This program may include a maximum of 1 temporary capital funded full-time equivalent.

Project Name: **Enterprise Content Management**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 34XX000020

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,386 | 1,100 | - | - | - | - | - | - | 1,100 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 660 | | | | | | - | 660 |
| Internal Financing | | 440 | | | | | | - | 440 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,100 | - | - | - | - | - | - | 1,100 |
| Financed by: | | | | | | | | |
| Cash to Capital | 660 | | | | | | | 660 |
| Internal Financing | 440 | | | | | | | 440 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | 37 | 37 | 37 | 37 | 37 |
| Debt and finance charges | 26 | 52 | 52 | 52 | 52 | 52 |
| Transfer to General Capital Fund | 660 | | | | | |
| **Total Direct Costs** | 686 | 89 | 89 | 89 | 89 | 89 |
| Less: Incremental Revenue/Recovery | 36 | | | | | |
| **Net Cost/(Benefit)** | 650 | 89 | 89 | 89 | 89 | 89 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

Enterprise-wide deployment of an Enterprise Content Management system solution to provide the platform for innovation in business document workflow, organization and storage.

This project may include a maximum of 4 temporary capital funded full-time equivalents.

Project Name: **Microsoft Development Network Software Renewal**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 3458200022

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 404 | - | - | 231 | - | - | 253 | 484 | 484 |
| Financed by: | | | | | | | | | |
| Transfer from Prior Year Authorization | | | | 231 | | | 253 | 484 | 484 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 231 | - | - | 253 | - | 484 |
| Financed by: | | | | | | | | |
| Transfer from Prior Year Authorization | | | 231 | | | 253 | | 484 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | | | 8 | | | 8 |
| **Net Cost/(Benefit)** | - | - | (8) | - | - | (8) |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

Microsoft Developer Network (MSDN) software is a required component to provide support for business applications used across the City. Without renewal of the MSDN software, the business application will not be supported and the business services that depend on the applications (e.g. Finance, Human Reource Services, 311. etc.) will be impacted.

Included are rebudgeted amounts totaling $484,000 from adopted 2015-2019 capital programs - see Appendix 4.

Project Name: **Geographic Information System Aerial Imagery Renewal Program**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 3458100021

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 315 | - | 161 | - | - | - | 187 | 348 | 348 |
| Financed by: | | | | | | | | | |
| Transfer from Prior Year Authorization | | | 161 | | | | 187 | 348 | 348 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 161 | - | - | - | 187 | - | 348 |
| Financed by: | | | | | | | | |
| Transfer from Prior Year Authorization | | 161 | | | | 187 | | 348 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | | 5 | | | | 6 |
| **Net Cost/(Benefit)** | - | (5) | - | - | - | (6) |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

Departmental business processes within the City depend on new ortho and oblique imagery delivered every four years; 2021 and 2025. The imagery data is the shared common background to promote data sharing and support business processes.

Included are rebudgeted amounts totaling $348,000 from adopted 2015-2019 capital programs - see Appendix 4.

Project Name: **Corporate VoIP Phone System**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 34XX000021

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 160 | - | - | - | - | 160 | 160 |
| Financed by: | | | | | | | | | |
| Transfer from Prior Year Authorization | | | 160 | | | | | 160 | 160 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 160 | - | - | - | - | - | 160 |
| Financed by: | | | | | | | | |
| Transfer from Prior Year Authorization | | 160 | | | | | | 160 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | | 5 | | | | |
| **Net Cost/(Benefit)** | - | (5) | - | - | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

The existing contract for VoIP phone service expires in 2020. This project will conduct a request for proposal and award of contract for VoIP telephone service.

Included in 2021 is $160,000 rebudgeted from adopted 2015-2019 capital programs - see Appendix 4.

This project may include a maximum of 1 temporary capital funded full-time equivalent.

Project Name: **Intake Program**

| | | | |
|---|---|---|---|
| Standing Policy Committee: | Innovation and Economic Development | | |
| Department: | Innovation, Transformation & Technology | Service: | Innovation, Transformation and Technology |
| Project: | 34XX000020 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 534 | 122 | 100 | 100 | 100 | 100 | - | 400 | 522 |
| Financed by: | | | | | | | | | |
| External Debt | | 111 | | | | | | - | 111 |
| Transfer from Prior Year Authorization | | 11 | 100 | 100 | 100 | 100 | | 400 | 411 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 122 | 100 | 100 | 100 | 100 | - | - | 522 |
| Financed by: | | | | | | | | |
| External Debt | 111 | | | | | | | 111 |
| Transfer from Prior Year Authorization | 11 | 100 | 100 | 100 | 100 | | | 411 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | 65 | 130 |
| Debt and finance charges | 12 | 25 | 25 | 25 | 25 | 11 |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 12 | 25 | 25 | 25 | 90 | 141 |
| Less: Incremental Revenue/Recovery | 4 | 3 | 3 | 3 | 3 | |
| **Net Cost/(Benefit)** | 8 | 22 | 22 | 22 | 87 | 141 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Organizational support services depend on modern industry technologies for the delivery of their City-wide supports. As business needs continue to grow and change, so does the need for enhancement to existing systems, or entirely new systems to support these changes.

The Intake Program will provide a way for initiatives, which have been estimated to cost under $100,000, to secure capital funding. This ability will improve the digital dexterity of the organization and better position the City of Winnipeg for a sustainable future. Projects within the program will be prioritized based on highest positive citizen impact, business value, return on investment projection, and cross organizational use.

Approximately 40 applications per year are received for project funding from the Intake Program. Examples of projects being funded from this program:

• Asset Management Application Alignment - Currently there are more than 15 applications used to track IT assets across the city, as well as myriad Excel databases. This leads to duplicate support costs and inefficiencies. Proposed project will likely be able to eliminate at least one-quarter of the applications, resulting in operational savings.

• Public Email Notification - current email list management solution (ELMS) license allows a limited number of subscribers and is labour-intensive to manage. Contract with the existing vendor is expiring and a new solution is required that can handle the anticipated increase in volume of subscribers that will come with implementation of the Citizen Portal project, when the tax assessments and notifications will be distributed online. A new solution will also enable immediate posting of news releases on-line, keeping citizens and media better informed.

• Electronic Bid Evaluation - Materials Management uses a time-consuming and highly manual process to evaluate bids currently, using Outlook for document distribution and Excel to evaluate bids and consolidate evaluations. Implementing electronic bid evaluations in MERX (Government of Canada/ Province of Manitoba bid posting solution) will yield a significant return on value given the significant amount of staff time expended on evaluating and consolidating bid results.

Included are rebudgeted amounts totaling $411,000 from adopted 2015-2019 capital programs - see Appendix 4. The initiatives in this program may include a maximum of 2 temporary capital funded full-time equivalents.

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## CUSTOMER SERVICE AND COMMUNICATIONS - GENERAL CAPITAL FUND

Project Name: **311 Renewal**

Standing Policy Committee: Executive Policy Committee

Department: Customer Service and Communications

Service: Contact Centre - 311

Project: 3700000120

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,596 | 122 | 100 | - | 100 | - | - | 200 | 322 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 122 | 100 | | 100 | | | 200 | 322 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 122 | 100 | - | 100 | - | - | - | 322 |
| Financed by: | | | | | | | | |
| Cash to Capital | 122 | 100 | | 100 | | | | 322 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 122 | 100 | | 100 | | |
| **Total Direct Costs** | 122 | 100 | - | 100 | - | - |
| Less: Incremental Revenue/Recovery | 4 | 3 | | 3 | | |
| **Net Cost/(Benefit)** | 118 | 97 | - | 97 | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

The City is committed to renewing its Call Center application investments on an ongoing basis to take advantage of new functionality and remain current with suppliers' support.

Project Name: **Assessment Automation**

Standing Policy Committee: Executive Policy Committee

Department: Assessment and Taxation

Service: Assessment, Taxation and Corporate

Project: 1400000121

OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 237 | 312 | - | 250 | 312 | 1,111 | 1,111 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 237 | 312 | | 250 | 312 | 1,111 | 1,111 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 237 | 312 | - | 250 | 312 | - | 1,111 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 237 | 312 | | 250 | 312 | | 1,111 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | 237 | 312 | | 250 | 312 |
| **Total Direct Costs** | - | 237 | 312 | - | 250 | 312 |
| Less: Incremental Revenue/Recovery | | 8 | 10 | | 8 | 10 |
| **Net Cost/(Benefit)** | - | 229 | 302 | - | 242 | 302 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

The funding is for system upgrades and rehabilitation to key assessment and taxation systems that interface with the two main Computer Aided Mass Appraisal and Manta systems. There are approximately 40 subsystems that interface directly to these systems and funding is required to ensure that they continue to work effectively and efficiently with upgraded platforms and operating systems.

The initiatives in this program may include a maximum of 3 temporary capital funded full-time equivalent positions in 2021 and future years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Local Improvements - Ongoing Program**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Assessment and Taxation

Service: Roadway Construction and Maintenance

Project: 1420000120

OurWinnipeg: Vitality

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 630 | 350 | 100 | 480 | 147 | 100 | 1,177 | 1,807 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 100 | | | 100 | 200 | 200 |
| External Debt | | 630 | 350 | | 480 | 147 | | 977 | 1,607 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 630 | 350 | 100 | 480 | 147 | 100 | - | 1,807 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 100 | | | 100 | | 200 |
| External Debt | 630 | 350 | | 480 | 147 | | | 1,607 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 22 | 48 | 56 | 76 | 97 | 100 |
| Transfer to General Capital Fund | | | 100 | | | 100 |
| **Total Direct Costs** | 22 | 48 | 156 | 76 | 97 | 200 |
| Less: Incremental Revenue/Recovery | 20 | 11 | 3 | 16 | 5 | 3 |
| **Net Cost/(Benefit)** | 2 | 37 | 153 | 60 | 92 | 197 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Local Improvement capital projects are those which are financed partly by a direct levy on the properties benefited. The program is governed by Local Improvements By-Law No. 98/72 and is subject to advertising and subsequent approval by the majority of ratepayers involved. The types of expenditure generally falling within this category are: paving of local streets and lanes; sidewalk and boulevard construction; installation of new watermains and sewers; ornamental street lighting and lane lighting.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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Project Name: **Transit Information Technology Program (formerly Innovative Transit Program)**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4230030121
Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 500 | 325 | 500 | 325 | 325 | 1,975 | 1,975 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 500 | 325 | 500 | 325 | 325 | 1,975 | 1,975 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 500 | 325 | 500 | 325 | 325 | - | 1,975 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 500 | 325 | 500 | 325 | 325 | | 1,975 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | 500 | 325 | 500 | 325 | 325 |
| **Total Direct Costs** | - | 500 | 325 | 500 | 325 | 325 |
| Less: Incremental Revenue/Recovery | | 1 | 1 | 1 | 1 | 1 |
| **Net Cost/(Benefit)** | - | 499 | 324 | 499 | 324 | 324 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

The Transit Information Technology Program mainly provides technology upgrades to systems that support interaction between Transit operations and the public, as well as improvements to transit terminals and shelters, including rapid transit stations, and allows for improved technology throughout the department.

Transit also uses this program to implement innovative practices throughout the department to improve efficiency. Equipment related to achieving this innovation may be funded through this program.

Includes 2 Analyst Programmer full-time equivalent (FTE) positions for ongoing technology upgrades and 3 FTEs related to the redevelopment of Transit's Maintenance Management Information System (MMIS) including 1 Project Coordinator, 1 Information Specialist, and 1 Analyst Programmer.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Transit Building Replacement / Refurbishment**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4210010120

Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 336 | 600 | 600 | 828 | 881 | 600 | 3,509 | 3,845 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 336 | 600 | 600 | 828 | 881 | 600 | 3,509 | 3,845 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 336 | 600 | 600 | 828 | 881 | 600 | - | 3,845 |
| Financed by: | | | | | | | | |
| Cash to Capital | 336 | 600 | 600 | 828 | 881 | 600 | | 3,845 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 336 | 600 | 600 | 828 | 881 | 600 |
| **Total Direct Costs** | 336 | 600 | 600 | 828 | 881 | 600 |
| Less: Incremental Revenue/Recovery | 3 | 11 | 11 | 18 | 20 | 11 |
| **Net Cost/(Benefit)** | 333 | 589 | 589 | 810 | 861 | 589 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Surplus funds will automatically be transferred to the following year's Transit Building Replacement/Refurbishment program budget.

Transit's operations are housed at three primary facilities - the Fort Rouge complex, North Main garage and Brandon garage. The Fort Rouge and North Main facilities are approximately 40 and 80 years old, respectively, and are operating at capacity. The department funds the maintenance of its facilities through the operating budget; however, many of the structural, mechanical and electrical systems in the existing facilities are past their design and economic lives and capital funding is required to bring the facilities up to acceptable standards.

This multi-year capital program addresses the need for smaller scale projects within Transit's existing facilities and stations. These projects are mainly required due to the age and condition of the assets.

Includes 2 temporary capital funded full-time equivalent Facility Coordinator positions.

| Project (in $000s) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Total |
|---|---|---|---|---|---|---|---|
| General Amounts (ex. concrete works, tunnel, floor repair / replacement) | 336 | 600 | 600 | 828 | 881 | 600 | 3,845 |
| | **336** | **600** | **600** | **828** | **881** | **600** | **3,845** |

Estimated useful life - dependent on the specific project.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Transit Roof Replacement and Ventilation Upgrade (formerly Transit Building Roof Replacement and Ventilation Upgrade)**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4210010220
Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,500 | 1,947 | 1,500 | 1,500 | 1,800 | - | 6,747 | 8,247 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 1,947 | 1,500 | 1,500 | | | 4,947 | 4,947 |
| External Debt | | 1,500 | | | | 1,800 | | 1,800 | 3,300 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | 1,947 | 1,500 | 1,500 | 1,800 | - | - | 8,247 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 1,947 | 1,500 | 1,500 | | | | 4,947 |
| External Debt | 1,500 | | | | 1,800 | | | 3,300 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 53 | 85 | 85 | 85 | 162 | 213 |
| Transfer to General Capital Fund | | 1,947 | 1,500 | 1,500 | | |
| **Total Direct Costs** | 53 | 2,032 | 1,585 | 1,585 | 162 | 213 |
| Less: Incremental Revenue/Recovery | 47 | 61 | 47 | 47 | 57 | |
| **Net Cost/(Benefit)** | 6 | 1,971 | 1,538 | 1,538 | 105 | 213 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Surplus funds will automatically be transferred to the following year's Transit Roof Replacement and Ventilation Upgrade project budget.

Transit's Fort Rouge Garage (FRG) at 421 Osborne Street includes two major buildings that total approximately 480,000 square feet in area. The buildings were constructed in 1969 and 1978 and house over 70% of Transit's bus inventory. The roofs are now at the end of their economic and useful lives and need to be replaced.

The FRG storage and maintenance facilities require replacement of the existing ventilation systems, which includes makeup air units and exhaust fans, in response to a regulatory change in allowable levels of airborne nitrogen dioxide (NO2) in diesel exhaust, age and inefficiency of equipment, and pressure imbalances throughout the buildings.

The breakdown between roof and ventilation work is subject to change, but estimated as:

| Project (in $000s) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Total |
|---|---|---|---|---|---|---|---|
| Fort Rouge Garage Roof Replacement ** | 900 | | | | | | 900 |
| Upgrade Garage Ventilation Systems ** | 600 | 1,947 | 1,500 | 1,500 | 1,800 | | 7,347 |
| | **1,500** | **1,947** | **1,500** | **1,500** | **1,800** | **-** | **8,247** |

Estimated useful life - dependent on the specific project.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

** Projects are considered annual scalable programs and will incorporate annual tenders and are not considered a major capital project.

Project Name: **Transit Buses**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4210000220

Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 20,960 | 21,138 | 21,737 | 22,360 | 23,007 | 23,669 | 111,911 | 132,871 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,969 | 3,979 | 4,331 | 5,390 | 4,491 | 3,774 | 21,965 | 23,934 |
| Transit Bus Replacement Reserve | | | | | | 10,889 | 12,268 | 23,157 | 23,157 |
| Federal Gas Tax | | 6,442 | 6,735 | 6,735 | 7,027 | 7,627 | 7,627 | 35,751 | 42,193 |
| External Debt | | 8,549 | 10,424 | 10,671 | 9,943 | | | 31,038 | 39,587 |
| Retained Earnings | | 4,000 | | | | | | - | 4,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 20,960 | 21,138 | 21,737 | 22,360 | 23,007 | 23,669 | - | 132,871 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,969 | 3,979 | 4,331 | 5,390 | 4,491 | 3,774 | | 23,934 |
| Transit Bus Replacement Reserve | | | | | 10,889 | 12,268 | | 23,157 |
| Federal Gas Tax | 6,442 | 6,735 | 6,735 | 7,027 | 7,627 | 7,627 | | 42,193 |
| External Debt | 8,549 | 10,424 | 10,671 | 9,943 | | | | 39,587 |
| Retained Earnings | 4,000 | | | | | | | 4,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 398 | 1,307 | 2,353 | 3,410 | 3,934 | 3,934 |
| Transfer to General Capital Fund | 1,969 | 3,979 | 4,331 | 5,390 | 4,491 | 3,774 |
| **Total Direct Costs** | 2,367 | 5,286 | 6,684 | 8,800 | 8,425 | 7,708 |
| Less: Incremental Revenue/Recovery | 290 | 288 | 300 | 307 | 308 | 321 |
| **Net Cost/(Benefit)** | 2,077 | 4,998 | 6,384 | 8,493 | 8,117 | 7,387 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Surplus funds will automatically be transferred to the following year's Transit Buses program budget.

This project is for the on-going purchase of low-floor urban transit buses for the replacement of buses that have reached the end of their useful life. Costs will also include all outfitting costs associated with these purchases.

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Forecasted Number of Buses Included in Budget and Forecast above ** | 32 | 30 | 30 | 30 | 30 | 30 |

The 2020 budget estimate includes provision for 2 additional buses required for the Children Under 12 Ride for Free program.

Includes 1 temporary capital funded full-time equivalent (FTE) position (Coordinator Contracts).

Additional maintenance hours are required to maintain new and more complex systems on today's bus. New buses have more complex electronics, emission controls systems, air conditioning units, and fire suppression systems which result in increased maintenance hours. Additionally, the change in composition to the fleet with the addition of articulated buses also increases the maintenance needs.

***Transit Buses (continued):***

Estimated useful life - 18 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

** The projection of the number of buses included in the budget is provided as an estimate only and is subject to change as the price per bus changes based on a number of factors. These factors include the movement in the Statistics Canada Monthly Industrial Product Price Index which is influenced by the fluctuation in the Canadian currency and inflation, steel tariffs, timing of order placement in relation to the budget approval, and changes to technology or product development.

Project Name: **Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4230010520

Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets * | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 467,300 | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| P3 Canada | 93,300 | | | | | | | - | - |
| Provincial Grant | 180,650 | | | | | | | - | - |
| 2010 Provincial Grant for Roads | 6,350 | | | | | | | - | - |
| Public Private Partnership (City) | 137,150 | | | | | | | - | - |
| External Debt | 40,050 | | | | | | | - | - |
| Southwest Rapid Transit Corridor Reserve | 4,200 | | | | | | | - | - |
| CN Rail Cost Apportionment | 5,600 | | | | | | | - | - |
| Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass Payment Reserve | 2,130 | 14,460 | 14,720 | 14,760 | 14,880 | 15,190 | 15,280 | 74,830 | 89,290 |
| P3 Annual Service / Financing Payments (City) | (80) | (11,070) | (11,330) | (11,370) | (11,490) | (11,800) | (11,890) | (57,880) | (68,950) |
| External Debt Annual Service Payments (City) | (2,050) | (3,390) | (3,390) | (3,390) | (3,390) | (3,390) | (3,390) | (16,950) | (20,340) |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 14,460 | 14,720 | 14,760 | 14,880 | 15,190 | 15,280 | 403,113 | 492,403 |
| Financed by: | | | | | | | | |
| Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass Payment Reserve | 14,460 | 14,720 | 14,760 | 14,880 | 15,190 | 15,280 | 403,113 | 492,403 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | 2,550 | 3,482 | 3,623 | 3,697 | 3,774 | 3,853 |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 2,550 | 3,482 | 3,623 | 3,697 | 3,774 | 3,853 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | 2,550 | 3,482 | 3,623 | 3,697 | 3,774 | 3,853 |
| **Incremental Full Time Equivalent Positions** | 36.75 | 49.00 | 49.00 | 49.00 | 49.00 | 49.00 |

Class Estimate: Not applicable

The Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass (SWRT) was approved by Council on June 25, 2014 using a P3 approach and the transitway is expected to be opened in April 2020.

***Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass (continued):***

The Previous Budget and Approximate Overall Project Funding (in $000s):

| | | |
|---|---|---|
| City | 187,000 | 40% |
| Province | 187,000 | 40% |
| Federal | 93,300 | 20% |
| | 467,300 | |

**Debt and Other Financing**

Council approved additional borrowing authority of $31 million (March 23, 2015) and $112 million (July 15, 2015), for a total of $143 million, as a method of interim financing the project, to be repaid as funding from the Province of Manitoba is received. This repayment is expected to be complete by 2022 with payments flowing as follows:

| **(in $000s)** | **Authorized** | **2019** | **2020** | **2021** | **2022** | **Total** |
|---|---|---|---|---|---|---|
| Interim Financing - External Debt / (Repayments) | 143,000 | (31,000) | (67,000) | (22,500) | (22,500) | - |

There is also $40.05 million approved in external debt for this project. All related debt and financing charges from this loan will be funded through the Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass Payment Reserve.

**Operating and Maintenance Payments**

The City will make on-going lease payments to Plenary Roads Winnipeg Transitway LP (PRW) extending until 2049. These payments are required under a 30-year contract with PRW and cover the remaining capital cost of the Transitway as well as on going maintenance.

There are significant provisions in the contract to ensure the City's performance specifications are met and the facility is returned to the City in good condition at the end of the contract. Costs associated with monitoring this contract, including the salary recovery of the Senior Project Review/P3 Specialist and other P3 costs, are also included in this budget. Payments to PRW are performance based and are reduced where the City's performance specifications are not met.

A portion of the payment to PRW represents an annual amount dedicated to the maintenance of the Transitway, including long-term rehabilitative costs. This amount is adjusted for changes to the Consumer Price Index on an annual basis.

The ongoing maintenance costs for the Transitway was previously assumed to be shared by the City 50% and Province 50%. However the Province has confirmed they will not provide this funding and the assumption now is the City will be assuming full responsibility for these costs.

As financing and administration costs are implicit in the lease payments, this project is exempt from the Corporate Administration and interest charges.

* No amounts have been included in the "Previous Budgets" related to P3 Annual Service / Finance Payments due to this project's on-going nature.

Project Name: **Accessibility Program**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4230030220

Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 500 | 250 | 250 | 250 | 250 | 250 | 1,250 | 1,750 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 500 | 250 | 250 | 250 | 250 | 250 | 1,250 | 1,750 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 250 | 250 | 250 | 250 | 250 | - | 1,750 |
| Financed by: | | | | | | | | |
| Cash to Capital | 500 | 250 | 250 | 250 | 250 | 250 | | 1,750 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | 500 | 250 | 250 | 250 | 250 | 250 |
| **Total Direct Costs** | 500 | 250 | 250 | 250 | 250 | 250 |
| Less: Incremental Revenue/Recovery | 14 | 7 | 7 | 7 | 7 | 7 |
| **Net Cost/(Benefit)** | 486 | 243 | 243 | 243 | 243 | 243 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

This program includes work over several years to update bus stops in order to meet accessibility standards, provide wheelchair access (powered) doors at all heated shelters, and paved access. It will also include a design study to determine solutions to provide information for visually-impaired riders at major stops.

Includes a shared temporary capital funded full-time equivalent position (Project Manager) with the Heavy Shop Equipment Replacement Program and the Hoist Replacement at Fort Rouge Garage.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Heavy Shop Equipment Replacement Program**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4210010621

Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 200 | 200 | 200 | 200 | 200 | 1,000 | 1,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 200 | 200 | 200 | 200 | 200 | 1,000 | 1,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | 200 | 200 | 200 | 200 | - | 1,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 200 | 200 | 200 | 200 | 200 | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | 200 | 200 | 200 | 200 | 200 |
| **Total Direct Costs** | - | 200 | 200 | 200 | 200 | 200 |
| Less: Incremental Revenue/Recovery | | 5 | 6 | 6 | 6 | 6 |
| **Net Cost/(Benefit)** | - | 195 | 194 | 194 | 194 | 194 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

The Heavy Shop Equipment Replacement Program will replace several of Transit's outdated and aged equipment in the maintenance shop. This will minimize equipment and bus downtime, save money on expensive custom parts, and ensure buses are available for service in a timely manner.

Includes a shared temporary, capital funded full-time equivalent position (Project Manager) with the Accessibility Program and the Hoist Replacement at Fort Rouge Garage.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Hoist Replacement at Fort Rouge Garage**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4210010420

Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,500 | 2,500 | 1,500 | 1,500 | 4,000 | - | 9,500 | 11,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 545 | 2,271 | | 2,816 | 2,816 |
| External Debt | | 1,500 | 2,500 | 1,500 | 955 | 1,729 | | 6,684 | 8,184 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | 2,500 | 1,500 | 1,500 | 4,000 | - | - | 11,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 545 | 2,271 | | | 2,816 |
| External Debt | 1,500 | 2,500 | 1,500 | 955 | 1,729 | | | 8,184 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 53 | 179 | 299 | 379 | 479 | 528 |
| Transfer to General Capital Fund | | | | 545 | 2,271 | |
| **Total Direct Costs** | 53 | 179 | 299 | 924 | 2,750 | 528 |
| Less: Incremental Revenue/Recovery | 45 | 77 | 46 | 46 | 125 | |
| **Net Cost/(Benefit)** | 8 | 102 | 253 | 878 | 2,625 | 528 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

All 38 in-ground hoists found in the Fort Rouge Garage maintenance shop require replacement due to deterioration and age, inefficient and outdated designs, and to ensure compliance with new hoist codes and standards.

Includes a shared temporary capital funded full-time equivalent position (Project Manager) with the Heavy Shop Equipment Replacement Program and Accessibility Program.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Heated Bus Shelter Program**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4210001520

Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,500 | 1,500 | 1,500 | 1,500 | - | - | 4,500 | 6,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,500 | 1,500 | 1,500 | 1,500 | | | 4,500 | 6,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | 1,500 | 1,500 | 1,500 | - | - | - | 6,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,500 | 1,500 | 1,500 | 1,500 | | | | 6,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | 47 | 47 | 47 | 41 | | |
| **Net Cost/(Benefit)** | (47) | (47) | (47) | (41) | - | - |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

This program includes the purchase, installation, and/or rehabilitation of heated bus shelters. The department will develop a strategy to construct shelters concurrent with the result of the Winnipeg Transit Master Plan which will identify preferred sites. Future operating budget impacts, following construction, may need to be adjusted.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Low Income Bus Pass**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4210001620

Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 236 | 139 | - | - | - | - | - | - | 139 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 139 | | | | | | | 139 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 139 | - | - | - | - | - | - | 139 |
| Financed by: | | | | | | | | |
| Retained Earnings | 139 | | | | | | | 139 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | 302 | 413 | 424 | 435 | 444 | 453 |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 302 | 413 | 424 | 435 | 444 | 453 |
| Less: Incremental Revenue/Recovery | (298) | (1,337) | (2,302) | (2,546) | (2,594) | (2,646) |
| **Net Cost/(Benefit)** | 600 | 1,750 | 2,726 | 2,981 | 3,038 | 3,099 |
| **Incremental Full Time Equivalent Positions** | 5.25 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 |

Class Estimate: 3

On October 24, 2019, Council approved the Low Income Transit Pass Program Policy. As per this Council directive and the 2019 operating budget recommendations, the Public Service is progressing on the implementation of the Low Income Transit Pass Program with a launch date of April 1, 2020. The project is on schedule to begin accepting applications on April 1, 2020, with the May 2020 monthly bus pass being the first low income product for sale.

This project facilitates the set up of all aspects of the low income pass program including, but not limited to, technological and system requirements, program administration including application routing and review, and customer support.

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Project Name: **Shoal Lake Aqueduct Condition Assessment and Rehabilitation (formerly Shoal Lake Aqueduct Asset Preservation)**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2003000620
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 200 | 520 | 2,000 | 1,030 | 1,650 | 3,700 | 8,900 | 9,100 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 200 | 520 | 2,000 | 1,030 | 1,650 | 3,700 | 8,900 | 9,100 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 520 | 2,000 | 1,030 | 1,650 | 3,700 | - | 9,100 |
| Financed by: | | | | | | | | |
| Retained Earnings | 200 | 520 | 2,000 | 1,030 | 1,650 | 3,700 | | 9,100 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 3

The Shoal Lake Aqueduct, which has been in continuous service since 1919, delivers water to Winnipeg from Shoal Lake, a distance of 156 kilometers (97 miles).

Funds are for condition assessment and rehabilitation work identified through on-going monitoring and inspection programs. Work identified to date includes rehabilitation of the aqueduct pipe, berm, and underdrain system, rehabilitation of the drainage siphons crossing under the aqueduct, and the rehabilitation/replacement of select boathouses, overflow structures, bar screens, stop logs, vent pipes, manholes, culverts, ditches, bridging structures and railway crossings signals.

The expected life of this asset is 40 years.

Class 3 estimate applies to projects in 2020 only. Individual projects within this program will be revised to class 3 estimates through preliminary engineering prior to construction.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Shoal Lake Aqueduct Intake Facility Rehabilitation**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2012000221
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | - | 2,050 | 5,450 | - | 4,265 | 585 | 12,350 | 12,350 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 2,050 | 5,450 | | 4,265 | 585 | 12,350 | 12,350 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 2,050 | 5,450 | - | 4,265 | 585 | - | 12,350 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 2,050 | 5,450 | | 4,265 | 585 | | 12,350 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | (55) | (55) | (55) | (55) | (55) | (55) |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | (55) | (55) | (55) | (55) | (55) | (55) |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | (55) | (55) | (55) | (55) | (55) | (55) |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

The Shoal Lake Aqueduct, which has been in continuous service since 1919, is the sole water supply infrastructure for the City. The Shoal Lake Intake Structure is the transition headworks to receive water from Shoal Lake and to control the water flow into the aqueduct. Given the critical nature of the intake structure and its associated venturi structure to the safe operation of the aqueduct and the City's water supply, a condition assessment was undertaken and identified a number of rehabilitation and replacement requirements. This included the replacement and refurbishment of various mechanical components that date back to the original construction, upgrades to the mussel control system, as well as upgrades and improvements to the existing infrastructure. The recommended improvements will be completed in phases according to priority.

Preliminary design will provide a class 3 estimate prior to construction.

$900,000 from 2017 capital budget authorization was returned to Retained Earnings for redistribution and is being budgeted in 2021.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Branch Aqueduct Condition Assessment and Rehabilitation (formerly Aqueduct Condition Assessment and Rehabilitation)**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2003000520
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,400 | 1,000 | - | - | 1,000 | - | 1,000 | 2,000 | 3,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | 1,000 | | 1,000 | 2,000 | 2,000 |
| Transfer from Prior Year Authorization | | 1,000 | | | | | | - | 1,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | - | - | 1,000 | - | 1,000 | - | 3,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | 1,000 | | 1,000 | | 2,000 |
| Transfer from Prior Year Authorization | 1,000 | | | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| **Class Estimate** | **4** | | | **5** | | **5** |
| Preliminary Design | 100 | | | 300 | | 100 |
| Detailed Design & Construction | 900 | | | 700 | | 900 |

The Branch I and II Aqueducts, along with the Branch Interconnection Aqueduct are specialized pipes which are unique in size, materials, construction techniques and failure modes. The Branch I Aqueduct was installed between 1914 to 1918 and the Branch II and Interconnection Aqueducts were installed between 1959 and 1963. All of these require specialized inspection, testing, and maintenance to preserve the asset.

Funds are for the condition assessment and rehabilitation of the Branch and Interconnection Aqueducts along with their associated ancillaries.

Preliminary planning will provide a class 3 estimate prior to inspection and/or construction.

Funding in 2020 includes $1,000,000 rebudgeted from capital budget authorized in 2017 - see Appendix 4.

The expected life of this asset is 40 years.

Project Name: **Tache Booster Pumping Station**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005000621
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,179 | - | 1,000 | - | - | 1,300 | 685 | 2,985 | 2,985 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 1,000 | | | 1,300 | 685 | 2,985 | 2,985 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,000 | - | - | 1,300 | 685 | - | 2,985 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 1,000 | | | 1,300 | 685 | | 2,985 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| **Class Estimate** | | **4** | | | **5** | **5** |
| Preliminary Design | | 200 | | | | |
| Detailed Design & Construction | | 800 | | | 1,300 | 685 |

The Tache Booster Pumping Station, on the Branch 1 Aqueduct, was constructed in 1950 in order to develop the full capacity of the aqueduct. A study identified a number of required upgrades to the pumping station and the aqueduct surge tower adjacent to the station. The work includes upgrading the station's electrical, heating and ventilation systems, upgrading the foundation and roof structures, and upgrading and reconfiguring the valve and piping system between the pumping station and the surge tower. Also, aesthetic, security fencing, and landscaping upgrades to the site and facilities will be undertaken to integrate with the proposed residential redevelopment of the surrounding area.

Preliminary design work will provide a class 3 estimate prior to construction.

The expected life of the rehabilitated asset is 50 years.

Project Name: **Pumping Stations and Reservoirs Structural Upgrades**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005001220

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 800 | - | - | - | - | - | - | 800 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 800 | | | | | | - | 800 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | - | - | - | - | - | - | 800 |
| Financed by: | | | | | | | | |
| Retained Earnings | 800 | | | | | | | 800 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 3

The McPhillips, Wilkes and MacLean reservoirs provide balancing storage to meet fluctuating daily water demands; the McPhillips, Hurst, and MacLean pumping stations provide the final pumping to deliver water to the water utility customers. These pump stations and reservoirs were constructed in the early 1960s. It is anticipated that the building structures will require upgrading to ensure the uninterrupted operation of these pumping facilities.

Condition assessments will be undertaken at the reservoirs to identify any repairs needed to ensure the reservoirs remain operational for the next 50 years. Additional investments in the pumping stations and reservoirs will be put forward as a result of the condition assessments.

The expected life of these assets is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Chlorination Upgrading at Pumping Stations**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005001121
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | 3,575 | - | - | - | - | 3,575 | 3,575 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 3,575 | | | | | 3,575 | 3,575 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 3,575 | - | - | - | - | - | 3,575 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 3,575 | | | | | | 3,575 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 4

The Drinking Water Quality Strategy Project has determined that chlorination at the existing pumping stations should continue in order to maintain a chlorine residual in the distribution system. The existing chlorination system uses chlorine gas, which is a hazardous chemical.

Funds are for the design and installation of a new chlorine system or for the existing system to be upgraded in order to reduce risks.

The expected life of these assets is 25 years.

Project Name: **Water Supervisory Control and Data Acquisition (SCADA) Upgrade**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005000220

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 16,425 | 2,690 | - | - | - | - | - | - | 2,690 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 2,690 | | | | | | - | 2,690 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,690 | - | - | - | - | - | - | 2,690 |
| Financed by: | | | | | | | | |
| Retained Earnings | 2,690 | | | | | | | 2,690 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 3

The City's Regional Supervisory Control and Data Acquisition (SCADA) system, which is used to provide automated control and visualization of the water supply and distribution system, has reached the end of its useful life. Further, the Programmable Logic Controllers (PLCs), which are specialized hardware with customized software that provide local control of the water distribution system, have also reached the end of their useful life. To ensure a continuous supply of water to the City of Winnipeg, the Regional SCADA system and PLCs need to be replaced. Power reliability upgrades will be undertaken in conjunction with the SCADA and PLC upgrades to address shortcomings in the existing control and instrumentation design and will add redundancy to ensure greater station reliability.

The major benefits of constructing this project include maintaining essential level of service.

Significant risks associated with constructing this project include impact on service delivery during construction and changes in market conditions.

Significant risks of not constructing the project or deferring the project include inability to maintain essential level of service.

The expected life of these assets ranges from 5 to 12 years.

Project Name: **Waterworks System Security Upgrades**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2001001520
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 500 | | | | | | - | 500 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 500 | | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 5

The waterworks system is made up of complex infrastructure that delivers water from Shoal Lake to Winnipeg homes and businesses. Operating the waterworks system is subject to legislation including the Drinking Water Safety Act, Public Health Act, Operator Certification Regulations, Workplace Safety and Health Act, and Environment Act. Safeguarding our infrastructure from accidental or intentional damage or destruction is critical to drinking water quality and public health. Funding is required for increased security measures to adequately protect the waterworks system.

Preliminary design work will provide a class 3 estimate prior to construction.

Funds for this program will be included in future years as needs are identified.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Regulatory Assessment of Water System Infrastructure and Supply Sources**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2001000721

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 575 | - | - | - | - | 575 | 575 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 575 | | | | | 575 | 575 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 575 | - | - | - | - | - | 575 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 575 | | | | | | 575 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 3

A drinking water system infrastructure assessment is required under the Provincial Drinking Water Safety Act. The objective of the report is to carry out an onsite evaluation to identify, analyze, and mitigate any potential adverse health risks and environmental impacts associated with the water system in a "source to tap" methodology. This work will also determine whether the water system's source, facilities, equipment, and operations are effective in producing safe drinking water, and meet current regulations.

Infrastructure assessment reports are required on a five-year reporting frequency.

Project Name: **Deacon Reservoir Cell Rehabilitation**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2011000125
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,783 | - | - | - | - | - | 100 | 100 | 100 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | | 100 | 100 | 100 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 100 | - | 100 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | | 100 | | 100 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 5

The Deacon Reservoir is used to supplement the City's water supply when the daily demand exceeds the capacity of the Shoal Lake Aqueduct and to provide water during Shoal Lake Aqueduct shutdowns. A topographic survey of the top of the reservoir dikes found some top of dike elevations that were substantially lower than design elevations. Geotechnical testing was completed and found that the dike fill remains well compacted and consolidation of the soils below the dikes is ongoing but is slowing over time. Based on existing water demands and the operational strategy of the reservoir, consolidation will continue to be monitored through dike surveys and any dike raises will be deferred until water demands increase.

The expected life of this asset is 50 years.

Project Name: **Deacon Booster Pumping Station Suction Header Divider Wall and Valve**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005000922
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 57 | - | - | 350 | 985 | - | - | 1,335 | 1,335 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | 350 | 985 | | | 1,335 | 1,335 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 350 | 985 | - | - | - | 1,335 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | 350 | 985 | | | | 1,335 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| **Class Estimate** | | | **5** | **5** | | |
| Detailed Design & Construction | | | 350 | 985 | | |

The Deacon Booster Pumping Station suction header pipe has been identified as a single point of failure for the supply of treated water to the City.

Funds are used to effectively divide the suction header. This will permit a continuous supply of water to the City in the event a leak occurs on this suction header.

The expected life of this asset is 50 years.

Project Name: **Deacon Site Flood Protection**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2002500520
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | 1,850 | - | - | - | - | - | - | 1,850 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 25 | | | | | | - | 25 |
| Transfer from Prior Year Authorization | | 1,825 | | | | | | - | 1,825 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,850 | - | - | - | - | - | - | 1,850 |
| Financed by: | | | | | | | | |
| Retained Earnings | 25 | | | | | | | 25 |
| Transfer from Prior Year Authorization | 1,825 | | | | | | | 1,825 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 5

The Deacon site ditch drainage system experienced overland flooding due to high water levels in the drain discharging into the floodway during the 1997 flood. With the expanded floodway and the increased water levels, additional flood protection measures must be installed to protect the water treatment plant and related onsite buildings.

Preliminary design work will provide a class 3 estimate prior to construction.

Funding in 2020 includes $1,825,000 rebudgeted from capital budget authorized in 2017 - see Appendix 4.

The expected life of this asset is 50 years.

Project Name: **HVAC Upgrades at Pumping Stations**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005001420
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 4,090 | - | - | - | - | - | - | 4,090 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 4,090 | | | | | | - | 4,090 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,090 | - | - | - | - | - | - | 4,090 |
| Financed by: | | | | | | | | |
| Retained Earnings | 4,090 | | | | | | | 4,090 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | (500) | (500) | (500) | (500) |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | (500) | (500) | (500) | (500) |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | - | - | (500) | (500) | (500) | (500) |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 4

The McPhillips, Hurst and MacLean pumping stations provide the final pumping to deliver water to the water utility customers. The pump stations use chillers and distribution water to maintain operating temperatures in the facilities and for the equipment. The chillers at McPhillips and Hurst have to be replaced as the refrigerant currently used will be phased out in 2020. The natural gas engines and the fluid couplings use distribution water for cooling which is then sent to waste. A new method for cooling the natural gas engines will be investigated and implemented.

Preliminary design work will provide a class 3 estimate prior to construction.

The estimated life of this asset is 20 years.

Project Name: **Ultraviolet Light Disinfection System Upgrade**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005001520
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 27 | 855 | 1,735 | - | - | - | - | 1,735 | 2,590 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 1,735 | | | | | 1,735 | 1,735 |
| Transfer from Prior Year Authorization | | 855 | | | | | | - | 855 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 855 | 1,735 | - | - | - | - | - | 2,590 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 1,735 | | | | | | 1,735 |
| Transfer from Prior Year Authorization | 855 | | | | | | | 855 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | (40) | (40) | (40) | (40) | (40) |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | (40) | (40) | (40) | (40) | (40) |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | - | (40) | (40) | (40) | (40) | (40) |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: See table below

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| **Class Estimate** | **4** | **5** | | | | |
| Preliminary Design | 155 | | | | | |
| Detailed Design & Construction | 700 | 1,735 | | | | |

Filtered water produced by the water treatment plant undergoes final treatment by ultraviolet light at the Deacon Booster Pumping Station before being delivered to the City's water distribution system. The ultraviolet light disinfection system is an integral pathogen barrier in the treatment process. An assessment report was finalized in 2016 to evaluate upgrade options to address recent research findings in medium-pressure lamp technology, maintenance concerns from several key system components at or near the end of their useful life, as well as optimization of the system for the treated water quality. Funding is to complete the recommended upgrades.

Preliminary engineering will develop a class 3 estimate prior to construction.

Funding in 2020 includes $855,000 rebudgeted from capital budget authorized in 2017 - see Appendix 4.

$880,000 from 2017 capital budget authorization was returned to Retained Earnings for redistribution and is being budgeted in 2021.

The expected life of this asset is 20 years.

Project Name: **Discharge Meter Upgrades at the In-town Pumping Stations**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005001621

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | - | 3,950 | - | - | - | - | 3,950 | 3,950 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 3,950 | | | | | 3,950 | 3,950 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 3,950 | - | - | - | - | - | 3,950 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 3,950 | | | | | | 3,950 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 5

The in-town pumping stations supply 100% of the City's daily water use. Accurate flow measurement of water leaving the pumping stations is critical to the operation of the water distribution system. Due to age and lack of hardware support, the accuracy of the existing meters is not within an acceptable range.

Funds are to replace the meters and provide a means of secondary measurement.

Preliminary design will provide a class 3 estimate prior to construction.

The estimated life of this asset is 25 years.

Project Name: **Water Treatment Plant Asset Refurbishment and Replacement Program**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2002500820
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 700 | 470 | 5,530 | - | - | - | - | 5,530 | 6,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 470 | 5,530 | | | | | 5,530 | 6,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 470 | 5,530 | - | - | - | - | - | 6,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 470 | 5,530 | | | | | | 6,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 5

The water treatment plant provides treated drinking water to the City of Winnipeg. The continued upkeep and maintenance of the water treatment plant's assets is required to ensure a continuous supply of water. An asset refurbishment and replacement plan has been developed to address asset lifecycle issues at the water treatment plant as they arise.

Condition assessment of the water treatment plant assets is ongoing and the asset refurbishment and replacement program will address items as they are identified and prioritized.

Individual projects within this program will be revised to class 3 estimates through preliminary engineering prior to construction.

The estimated life of a rehabilitated asset ranges from 20 to 80 years, depending on asset type, condition, and the rehabilitation method used.

Project Name: **Pumping Stations Reliability Upgrades**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005000321
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,196 | - | 200 | - | - | - | - | 200 | 200 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | - | 200 | | | - | | 200 | 200 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 200 | | | | | | 200 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 5

The electrical power supply is the primary source of energy to drive the pumps in the drinking water pump stations. Electrical power disruptions have caused the electric pumps to shut down for protection purposes, which results in reduced water service. In order to identify the deficiencies in the system, a Water Pumping Station Power Reliability Study was completed. One of the recommendations of the study was to carry out water pumping stations electrical inspections. The study and the inspections produced recommendations for a number of electrical and control improvements to reduce the effects of electrical power disruptions.

The required improvements will be completed in phases according to priority. The Water Pumping Station Power Reliability Study also recommended a number of upgrades to address risks associated with the configuration of the pumping and ancillary equipment. These reliability upgrades will address shortcomings in the existing control and instrumentation design and will add redundancy to ensure greater station reliability. These reliability upgrades will be undertaken in conjunction with the Supervisory Control and Data Acquisition upgrade project to minimize station shut-down times.

Power quality benchmark testing has found that the electric motors used to distribute potable water from the McPhillips Regional Pumping Station are causing an unacceptable temporary voltage drop upon motor start-up. Preliminary design will be undertaken to determine the options available to limit voltage drop and may identify power quality upgrade requirements at other water pumping stations.

The estimated life of this asset is 60 years.

Project Name: **Study of Backup Power Supply for the Hurst Pumping Station**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005001321
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 425 | - | - | - | - | 425 | 425 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 425 | | | | | 425 | 425 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 425 | - | - | - | - | - | 425 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 425 | | | | | | 425 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 4

The MacLean and McPhillips pumping stations are driven using two sources of energy: electrical power supply and natural gas. The Hurst Pumping Station, serving the largest portion of the City's water demand, is equipped solely with electrically driven pumps. Despite some redundancy in the electrical supply to the station, Hurst has experienced electrical power disruptions that caused the electric pumps to shut down for protection purposes, which resulted in reduced water service.

In light of electrical interruptions at Hurst Pumping Station, the Regional Water Supply Conceptual Planning Study Update recommended assessing the need for backup power supply to this station. This study will evaluate options for backup power supply and provide cost estimates for options.

Study to be updated to a class 3 estimate following further discussion with Manitoba Hydro as part of pre-bid estimate.

$400,000 from 2017 capital budget authorization was returned to Retained Earnings for redistribution and is being budgeted in 2021.

The estimated life of this asset is 50 years.

Project Name: **Feeder Main Condition Assessment and Rehabilitation**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2004000720

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 3,550 | 200 | 500 | 200 | 1,150 | 1,860 | 3,910 | 7,460 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 3,550 | 200 | 500 | 200 | 1,150 | 1,860 | 3,910 | 7,460 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,550 | 200 | 500 | 200 | 1,150 | 1,860 | - | 7,460 |
| Financed by: | | | | | | | | |
| Retained Earnings | 3,550 | 200 | 500 | 200 | 1,150 | 1,860 | | 7,460 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 4

Feeder mains are specialized pipes which are unique in size, materials, construction techniques, and failure modes. The majority of feeder mains were installed in the 1960s and require inspection, testing, and maintenance to preserve the asset. The program will also include replacement of valves and operators, related pipe connections, valve chambers, structural assessments, and restoration works.

Additional investments in Feeder Main Condition Assessment and Rehabilitation will be put forward as a result of recent and ongoing condition assessment.

The estimated life of a rehabilitated asset ranges from 20 to 80 years, depending on asset type, condition, and the rehabilitation method used.

Individual projects within this program will be revised to class 3 estimates through preliminary engineering prior to construction.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Water Meter Renewals**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2001003420
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 450 | - | - | - | - | 16,000 | 16,000 | 16,450 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 450 | | | | | | - | 450 |
| Water Meter Renewal Reserve | | | | | | | 16,000 | 16,000 | 16,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 450 | - | - | - | - | 16,000 | - | 16,450 |
| Financed by: | | | | | | | | |
| Retained Earnings | 450 | | | | | | | 450 |
| Water Meter Renewal Reserve | | | | | | 16,000 | | 16,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| **Class Estimate** | **3** | | | | | **5** |
| Feasibility | 450 | | | | | 500 |
| Preliminary Design | | | | | | 1,500 |
| Detailed Design & Construction | | | | | | 14,000 |

The majority of the City's inventory of water meters are at end of life. Funds in 2020 will be used to review current water meter technology, validate the best replacement technology, and develop a plan and class 3 estimate for implementation of a multi-year direct-read water meter replacement program.

Implementation of the water meter renewal program is forecast to be funded by the Water Meter Renewal Reserve fund in 2025. On January 30, 2020, Council authorized the establishment of the Water Meter Renewal Reserve. The reserve will accumulate funds starting in 2020 for replacement and renewal of aging water meters and an advanced meter system.

The estimated life of a water meter is 15 years.

Project Name: **Water Main Renewals**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2013100120
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 17,500 | 18,000 | 18,500 | 19,000 | 20,000 | 20,500 | 96,000 | 113,500 |
| Financed by: | | | | | | | | | |
| Water Main Renewal Reserve | | 17,500 | 18,000 | 18,500 | 19,000 | 20,000 | 20,500 | 96,000 | 113,500 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 17,500 | 18,000 | 18,500 | 19,000 | 20,000 | 20,500 | - | 113,500 |
| Financed by: | | | | | | | | |
| Water Main Renewal Reserve | 17,500 | 18,000 | 18,500 | 19,000 | 20,000 | 20,500 | | 113,500 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

This is a continuing program to replace and/or rehabilitate deteriorating water main infrastructure. Funding is used for water main replacement, cathodic protection, valve and hydrant replacement/rehabilitation, correction of dead end mains, upgrading of substandard mains, water system studies, assessments, development of design standards and replacement of problem water services within the City right-of-way, and hydraulic improvements for fire protection purposes. Funding is also used for integrated right-of-way renewal programs coordinated with the Public Works Department.

The expected remaining life of each rehabilitated water main ranges from 20 to 80 years, depending on the rehabilitation technology and the asset condition.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Customer Billing and Work Management Systems Upgrades Program**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2010001220

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,045 | 2,200 | 350 | 550 | 750 | 600 | 4,450 | 5,495 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,045 | 2,200 | 350 | 550 | 750 | 600 | 4,450 | 5,495 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,045 | 2,200 | 350 | 550 | 750 | 600 | - | 5,495 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,045 | 2,200 | 350 | 550 | 750 | 600 | | 5,495 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | 75 | 125 | 130 | 135 | 140 |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | 75 | 125 | 130 | 135 | 140 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | - | 75 | 125 | 130 | 135 | 140 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Customer Care and Billing (CCB) is used to manage customer accounts and collections for Water, Wastewater and Solid Waste services. Oracle Work Order and Asset Management (WAM) is used in the delivery of Water and Wastewater services for work planning, management, infrastructure preventative maintenance and renewal programs. Both CCB and WAM require ongoing product updates to ensure these systems can support the day-to-day operations within the Water and Waste Department.

This program will maintain the Customer Care and Billing and Oracle Work Order and Asset Management systems to meet current and future business requirements resulting from functional, technical, and business continuity changes.

The estimated life of this asset is 10 years.

Funding for this program is split between the Waterworks System Fund and the Sewage Disposal Fund.

*N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Application and Data Integration**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2010001820

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 250 | 250 | 350 | 400 | 565 | 515 | 2,080 | 2,330 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 250 | 250 | 350 | 400 | 565 | 515 | 2,080 | 2,330 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | 250 | 350 | 400 | 565 | 515 | - | 2,330 |
| Financed by: | | | | | | | | |
| Retained Earnings | 250 | 250 | 350 | 400 | 565 | 515 | | 2,330 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | 28 | 29 |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | 28 | 29 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | - | - | - | - | 28 | 29 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

This program will integrate various applications and data sources at Water and Waste Department to be able to connect information across systems and to obtain a single source of truth. This will expand service delivery capabilities, improve access to and sharing of data and information, and enable new applications and technologies to provide superior utility service to customers.

The estimated life of this asset is 10 years.

*N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Digital Enablement for Plant and Field Employees**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2010001920
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,300 | 750 | 750 | 750 | 500 | 500 | 3,250 | 4,550 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,300 | 750 | 750 | 750 | 500 | 500 | 3,250 | 4,550 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,300 | 750 | 750 | 750 | 500 | 500 | - | 4,550 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,300 | 750 | 750 | 750 | 500 | 500 | | 4,550 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | 100 | 100 | 120 | 120 | 120 | 120 |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 100 | 100 | 120 | 120 | 120 | 120 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | 100 | 100 | 120 | 120 | 120 | 120 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

This program will develop and implement technology solutions that can be leveraged by plant and field employees to perform their work more effectively and efficiently, and provide timely information to the public and 311. This will increase productivity by reducing manual effort, improve accessibility to information, improve accuracy and quality of information, reduce time to record and retrieve information, improve communication, and improve customer service and experience.

This project may include a maximum of 1.25 temporary capital funded full-time equivalents.

The estimated life of this asset is 10 years.

*N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Laboratory Information Management System Upgrade and Enhancement**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2010000820
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,225 | 1,050 | - | - | - | - | - | - | 1,050 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,050 | | | | | | - | 1,050 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,050 | - | - | - | - | - | - | 1,050 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,050 | | | | | | | 1,050 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | 53 | 95 | 98 | 101 | 104 | 107 |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 53 | 95 | 98 | 101 | 104 | 107 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | 53 | 95 | 98 | 101 | 104 | 107 |
| **Incremental Full Time Equivalent Positions** | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

Class Estimate: 3

The Laboratory Information Management System (LIMS) is used to track and report on water and wastewater sampling results. This project will upgrade LIMS SampleManager to the most current version for optimal security, stability, and performance as well as implement enhancements to provide robust reporting that is compliant with regulatory requirements, integration of instruments and downstream applications to serve division-needs, and enable mobile access for LIMS users to enhance productivity.

Starting in the last half of 2020, this project will require 1 additional full-time equivalent (FTE) of an Information Systems Specialist to support the LIMS SampleManager solution.

This project may include a maximum of 0.25 temporary capital funded FTE’s.

The estimated life of this asset is 10 years.

Project Name: **Sludge Drying Beds Decommissioning**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2034001124

Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 375 | - | 375 | 375 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 375 | | 375 | 375 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 375 | - | - | 375 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 375 | | | 375 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 3

The former sludge drying beds in West St. Paul are no longer being used for storage. Decommissioning the sludge drying beds is a condition of closing the Environment Act Licence 1089 E RR. This work will develop a class 3 estimate for a decommissioning plan and identify options for future use.

Additional funds will be required in future years to implement the recommendations of this plan.

Project Name: **Process Control System Master Plan and Upgrade**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2040000621

Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 7,000 | - | 3,000 | - | - | 7,000 | - | 10,000 | 10,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 3,000 | | | 7,000 | | 10,000 | 10,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,000 | 2,000 | - | 2,500 | 2,000 | 2,500 | 10,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 1,000 | 2,000 | | 2,500 | 2,000 | 2,500 | 10,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 4

The Water and Waste Department's three sewage treatment plants utilize a Distributed Control System (DCS) with a Process Control View (PCV) Human Machine Interface (HMI) for process control. It is an intricate network of specialized computers that monitor thousands of sensors throughout the plants and controls the treatment processes by making calculations and adjustments prescribed by operators and process control analysts.

An Automation Master Plan was developed for the sewage treatment plants in 2012. The DCS system will be replaced with a Programmable Logic Controller (PLC) based system and a new HMI system will be installed at all three treatment plants. The replacement of the DCS and HMI systems at the North End and South End Sewage Treatment Plants are part of the major capital upgrade projects at these facilities.

This program will develop a plan to ensure operational reliability throughout the upgrades and in the long term once the upgrades are complete. The major components of this program include: maintaining the DCS and HMI systems until replacement, upgrading the inter-plant communication systems and network security components, and replacement of the West End Sewage Treatment Plant DCS and HMI systems.

The class estimate will be refined to a class 3 prior to undertaking upgrades.

$4,000,000 from 2017 and 2018 capital budget authorization was returned to Retained Earnings for redistribution and is being budgeted in 2021.

The expected life of the new PLC system is 20 years and the new HMI system is 10 years.

Project Name: **Asset Refurbishment and Replacement Program**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2030000520
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 6,000 | 5,000 | 2,000 | 5,000 | 5,000 | 5,000 | 22,000 | 28,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 6,000 | 5,000 | 2,000 | 5,000 | 5,000 | 5,000 | 22,000 | 28,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 6,000 | 5,000 | 2,000 | 5,000 | 5,000 | 5,000 | - | 28,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 6,000 | 5,000 | 2,000 | 5,000 | 5,000 | 5,000 | | 28,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

A risk and criticality review of the City's three sewage treatment plants has been undertaken to assess the condition of assets and to develop a refurbishment and replacement plan for the next 25 years. The improvements identified will address process reliability, mechanical, electrical, structural components, building envelope and safety at all three locations including any related works required such as environmental studies/assessments or decommissioning of assets. Operational efficiency improvements will also be identified and implemented in a coordinated fashion with the enhanced maintenance program.

Asset assessment and plan development are ongoing, which will continue to address items as identified.

Class estimates for individual projects within this program will be revised to class 3 through preliminary engineering prior to construction.

The expected life of the structure upgrades is 50 years and the expected life of the electrical and mechanical components is 25 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **West End Sewage Treatment Plant (WEWPCC) - Facilities Plan**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2033001121
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 500 | - | - | - | - | 500 | 500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 500 | | | | | 500 | 500 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 500 | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 500 | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 3

In 2008, the West End Sewage Treatment Plant was upgraded to meet new nutrient removal regulations. Some assets were not upgraded and are now nearing their end of life.

The plan will assess capacity and expansion options of key process components (e.g. headworks) to meet projected growth in the catchment area and identify ancillary assets for replacement and/or refurbishment. Ancillary assets include process piping, heating and ventilation, mechanical and electrical components. This is done to support process operations and maintain environmental compliance.

Additional funds will be required in future years to implement the recommendations of this plan.

Project Name: **Arc Flash Hazard Analysis and Remediation**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2030001820
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 385 | 320 | 270 | - | - | - | 590 | 975 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 385 | 320 | 270 | | | | 590 | 975 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 385 | 320 | 270 | - | - | - | - | 975 |
| Financed by: | | | | | | | | |
| Retained Earnings | 385 | 320 | 270 | | | | | 975 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 3

As part of the Canadian Standards Association Occupational Health and Safety program, a new standard entitled CSA Z462, Workplace Electrical Safety Standard has been adopted within the new Canadian Electrical Code.

The program will implement the recommendations from the Arc Flash Study on a priority/risk basis in conjunction with other electrical upgrades at the Department's facilities. This work includes decreasing the potential arc flash energy at various distribution points, upgrading equipment to lower fault energies, procuring personal protective equipment and providing training. This is for compliance to the arc flash requirements in the electrical code.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **D'Arcy Lift Station Load Shedding Upgrade**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2035000621

Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | - | 400 | - | - | - | - | 400 | 400 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 400 | | | | | 400 | 400 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 400 | - | - | - | - | - | 400 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 400 | | | | | | 400 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 3

Currently all of the land in Winnipeg, south of Bishop Grandin Boulevard and west of the Red River plus the communities of Lindenwoods and Whyte Ridge, are serviced by the D'Arcy Wastewater Lift Station located at the Red River and the Fort Garry Bridge.

During high water events on the Red River, if pump capacity is lost at the South End Sewage Treatment Plant (SEWPCC) the risk to basement flooding is substantial. To mitigate this risk, the D'Arcy Wastewater Lift Station needs to be reconfigured to allow the use of lift pumps to pump flows to the Red River during emergency situations.

The expected life of this asset is 50 years.

Project Name: **Lift Stations Upgrading**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2035000120
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 2,925 | 6,250 | 6,250 | 3,250 | 6,500 | 7,000 | 29,250 | 32,175 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 2,925 | 6,250 | 6,250 | 3,250 | 6,500 | 7,000 | 29,250 | 32,175 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,925 | 6,250 | 6,250 | 3,250 | 6,500 | 7,000 | - | 32,175 |
| Financed by: | | | | | | | | |
| Retained Earnings | 2,925 | 6,250 | 6,250 | 3,250 | 6,500 | 7,000 | | 32,175 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

This project is part of a continuing program for mitigating hydraulic, structural, safety, odour and aesthetic problems, as well as for undertaking capacity assessments for the 75 lift stations and associated force mains, gate chambers, and related works in the sewage collection system.

The program includes the condition assessment of all lift stations to establish rehabilitation priority and future funding requirements.

Class estimates for individual projects within this program will be revised to class 3 through preliminary engineering prior to construction.

The estimated life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **River Crossings Monitoring and Rehabilitation**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2037500020
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 6,200 | 950 | 1,700 | 600 | - | 5,000 | 8,250 | 14,450 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 6,200 | 950 | 1,700 | 600 | | 5,000 | 8,250 | 14,450 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 6,200 | 950 | 1,700 | 600 | - | 5,000 | - | 14,450 |
| Financed by: | | | | | | | | |
| Retained Earnings | 6,200 | 950 | 1,700 | 600 | | 5,000 | | 14,450 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 5

This project is for the condition assessment, rehabilitation and/or replacement of the sewer river crossings and for the installation of leak detection equipment on the existing waterway crossings.

The department has completed a risk assessment of all river crossings in order to determine a prioritization plan for ongoing condition assessment as well as to upgrade and replace any at-risk crossings as required by Environment Licences issued by the Province of Manitoba for the wastewater collection system in the City of Winnipeg.

These funds will also be used to install continuous leak detection monitoring equipment at river crossings as required by the Provincial Environmental Licence.

A class 3 estimate will be obtained prior to construction or inspection work.

*N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Combined Sewer Overflow and Basement Flood Management Strategy**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2038000120

Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 31,610 | 23,110 | 29,120 | 30,000 | 32,000 | 34,160 | 148,390 | 180,000 |
| Financed by: | | | | | | | | | |
| Environmental Projects Reserve | | 31,610 | 23,110 | 29,120 | 30,000 | 32,000 | 34,160 | 148,390 | 180,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 31,610 | 23,110 | 29,120 | 30,000 | 32,000 | 34,160 | - | 180,000 |
| Financed by: | | | | | | | | |
| Environmental Projects Reserve | 31,610 | 23,110 | 29,120 | 30,000 | 32,000 | 34,160 | | 180,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

The Combined Sewer Overflow (CSO) and Basement Flood Management Strategy projects will be driven by the Combined Sewer Overflow Master Plan, which was approved by the Province on November 13, 2019, developed to meet the requirements of Environment Act Licence No. 3042. The objectives of this multi-year program are to: comply with the regulators to mitigate the impact of CSO's on the local water courses and improve basement flooding protection.

On November 24, 2017, Manitoba Sustainable Development directed the City to finalize the CSO Master Plan by August 2019 to implement CSO control to capture a minimum of 85% CSO volume in a representative year by 2045 or an alternative date subject to approval of the director of Manitoba Sustainability Development. The City was also directed to provide a further plan by 2030 to achieve a secondary control target of a maximum of 4 CSOs in a representative year, and provide an updated implementation timeline.

Funds budgeted are for the development and implementation of a CSO Master Plan as well as for sewer relief works associated with basement flooding and CSO mitigation including sewers, chambers, weirs, and other related works. Funds are also budgeted for monitoring and reporting programs and systems, pilot studies, land acquisition, and integration with other major sewer programs.

All projects will be updated to a class 3 estimate through preliminary and detailed design prior to any construction work.

The expected life of the sewers is 50 years, mechanical components is 25 years and SCADA system is 10 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Comminutor Chamber Rehabilitation Program**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2030003020

Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 6,150 | 1,300 | - | - | - | - | - | - | 1,300 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,300 | | | | | | - | 1,300 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,300 | - | - | - | - | - | - | 1,300 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,300 | | | | | | | 1,300 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 3

This program involves the rehabilitation of 19 sewage pump stations which have decommissioned comminutor chambers associated with them. These stations currently have open concrete flumes located inside the station, which sewage flows through. Due to these open flumes, high levels of hydrogen sulfide (H2S) and excessive moisture have caused corrosion damage to electrical equipment, remote terminal unit (RTU) panels, motor control centers (MCC) and the electric motors. Installation of a closed pipe through these open flumes will eliminate or reduce the levels of H2S in the stations and therefore reduce the amount of corrosion to the equipment in these stations and will improve station reliability.

The expected life of this asset is 50 years.

Project Name: **Southwest Interceptor River Crossing**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2037001624
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,350 | - | - | - | - | 5,000 | 35,000 | 40,000 | 40,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 5,000 | 35,000 | 40,000 | 40,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 5,000 | 35,000 | - | 40,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 5,000 | 35,000 | | 40,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| **Class Estimate** | | | | | **5** | **5** |
| Preliminary Design | | | | | 2,500 | |
| Detailed Design & Construction | | | | | 2,500 | 35,000 |

Currently, all sewage from the land in Winnipeg south of 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 South West Interceptor Crossing will provide an additional gravity crossing of the Red River. A conceptual study will be undertaken to review options and sizing.

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.

Project Name: **Wastewater Services Facilities Plan**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2030003420
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 350 | - | - | - | - | - | - | 350 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 350 | | | | | | - | 350 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 350 | - | - | - | - | - | - | 350 |
| Financed by: | | | | | | | | |
| Retained Earnings | 350 | | | | | | | 350 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 3

The Wastewater Services Facilities Plan will evaluate options to consolidate or centralize various buildings used by Wastewater Services Division, including mechanical and maintenance shops, storage facilities, and offices. These facilities are currently spread out over multiple sites.

Additional funds will be required in future years to implement the recommendations of this plan.

Project Name: **Environmental Standards Laboratory Facility Plan**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2030003624
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 530 | - | 530 | 530 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 530 | | 530 | 530 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 530 | - | - | 530 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 530 | | | 530 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 3

Environmental Standards Division operates a Canadian Association for Laboratory Accreditation (CALA) accredited laboratory for testing, monitoring, and compliance reporting on behalf of the Water and Waste Department. To ensure the laboratory can continue to stay up-to-date with CALA accreditation standards, meet future regulatory monitoring and reporting requirements, and accommodate the increasing demands of the laboratory's internal clients, a new facility plan is required. The plan will also investigate options to bring additional testing in-house with further accreditation requirements.

Additional funds will be required in future years to implement the recommendations of this plan.

Project Name: **Sewer Renewals**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2039100120

Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 17,000 | 17,500 | 18,000 | 18,500 | 21,000 | 21,000 | 96,000 | 113,000 |
| Financed by: | | | | | | | | | |
| Sewer System Rehabilitation Reserve | | 7,000 | 17,500 | 18,000 | 18,500 | 21,000 | 21,000 | 96,000 | 103,000 |
| Transfer from Prior Year Authorization | | 10,000 | | | | | | - | 10,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 17,000 | 17,500 | 18,000 | 18,500 | 21,000 | 21,000 | - | 113,000 |
| Financed by: | | | | | | | | |
| Sewer System Rehabilitation Reserve | 7,000 | 17,500 | 18,000 | 18,500 | 21,000 | 21,000 | | 103,000 |
| Transfer from Prior Year Authorization | 10,000 | | | | | | | 10,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

This is a program to replace and/or rehabilitate combined, wastewater, and land drainage sewer infrastructure that are no longer meeting level of service objectives. A portion of the funding will be used for condition assessment of sewer assets; sewers will be replaced or rehabilitated using appropriate technologies on a risk-based level of service basis. Funds will also be utilized to update the sewer asset register, and ongoing operating costs associated with software licensing and maintenance have been included.

Funding will also be utilized for the assessment, repair and/or replacement, under certain conditions, of private wastewater sewer services within the public right-of-way under the Sewer By-Law, and for the development of wastewater and land drainage design standards.

The expected remaining life of each rehabilitated sewer ranges from 20 to 100 years, depending on the rehabilitation technology and the asset condition. The expected life of the asset register is 10 years.

Funding in 2020 includes $10,000,000 rebudgeted from capital budget authorized in 2016, 2017 and 2018 - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Departmental Levels of Service Framework**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2030003520

Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 200 | | | | | | - | 200 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Retained Earnings | 200 | | | | | | | 200 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 3

Developing Levels of Service (LOS) was identified as a next step in the Corporate and Departmental Asset Management Plan project. The LOS component of an asset management plan describes what people experience from a municipality's infrastructure. Part of an LOS framework also includes determining metrics by which to gauge asset performance. The LOS framework, along with asset metrics, provides the basis for risk-based decision making, ensures adequate funding is available to meet LOS, and also enables discussion about current and/or proposed LOS to be achieved over time.

The expected life of this asset is 10 years.

Project Name: **Water and Waste Department (WWD) Business Intelligence**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2040001320

Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,050 | 1,550 | 300 | 300 | 1,100 | 550 | 3,800 | 4,850 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,050 | 1,550 | 300 | 300 | 1,100 | 550 | 3,800 | 4,850 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,050 | 1,550 | 300 | 300 | 1,100 | 550 | - | 4,850 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,050 | 1,550 | 300 | 300 | 1,100 | 550 | | 4,850 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | 205 | 326 | 347 | 393 | 404 | 411 |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 205 | 326 | 347 | 393 | 404 | 411 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | 205 | 326 | 347 | 393 | 404 | 411 |
| **Incremental Full Time Equivalent Positions** | 2.00 | 2.00 | 3.00 | 3.00 | 3.00 | 3.00 |

Class Estimate: Not applicable, as this is a scalable program

This project will develop a solution that will improve access to data and information, provide improved analytics, dashboarding, and reporting functionality, provide timely reporting of data, and generate insights to improve evidence-based decision-making.

Starting in 2020, this program will require 1 additional full-time equivalent (FTE) of a Tech Lead/Senior Data Engineer that will be responsible for data architecture, collection, ingestion, and quality management; and 1 additional FTE of a Systems Operations Developer that will be responsible for infrastructure setup and support.

Starting in 2022, this program will require 1 additional FTE of a Data Scientist that will be responsible for developing, training, and optimizing models for analytics.

This project may include a maximum of 1 temporary capital funded FTE.

The estimated life of this asset is 10 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Customer Billing and Work Management Systems Upgrades Program**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2040001220
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,045 | 2,200 | 350 | 550 | 750 | 600 | 4,450 | 5,495 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,045 | 2,200 | 350 | 550 | 750 | 600 | 4,450 | 5,495 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,045 | 2,200 | 350 | 550 | 750 | 600 | - | 5,495 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,045 | 2,200 | 350 | 550 | 750 | 600 | | 5,495 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | 75 | 125 | 130 | 135 | 140 |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | 75 | 125 | 130 | 135 | 140 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | - | 75 | 125 | 130 | 135 | 140 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: Not applicable, as this is a scalable program

Customer Care and Billing (CCB) is used to manage customer accounts and collections for Water, Wastewater and Solid Waste services. Oracle Work Order and Asset Management (WAM) is used in the delivery of Water and Wastewater services for work planning, management, infrastructure preventative maintenance and renewal programs. Both CCB and WAM require ongoing product updates to ensure these systems can support the day-to-day operations within the Water and Waste Department.

This program will maintain the Customer Care and Billing and Oracle Work Order and Asset Management systems to meet current and future business requirements resulting from functional, technical, and business continuity changes.

The estimated life of this asset is 10 years.

Funding for this program is split between the Waterworks System Fund and the Sewage Disposal Fund.

*N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Digital Customer Solutions**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2040002120

Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 500 | 500 | 350 | 350 | 715 | 715 | 2,630 | 3,130 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 500 | 500 | 350 | 350 | 715 | 715 | 2,630 | 3,130 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 500 | 350 | 350 | 715 | 715 | - | 3,130 |
| Financed by: | | | | | | | | |
| Retained Earnings | 500 | 500 | 350 | 350 | 715 | 715 | | 3,130 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | 55 | 57 | 58 | 60 |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | 55 | 57 | 58 | 60 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | - | - | 55 | 57 | 58 | 60 |
| **Incremental Full Time Equivalent Positions** | | | | | | |

Class Estimate: Not applicable, as this is a scalable program

This program will sustain, enhance, and mature the Water and Waste Department's existing digital customer platforms (i.e. MyUtility Bill). It will also develop and implement new digital customer channels that will improve operational performance and customer service.

This project may include a maximum of 1.25 temporary capital funded full-time equivalents.

The estimated life of this asset is 10 years.

*N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **WWD Document Management System**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2040001820
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 850 | 500 | 250 | 250 | - | - | - | 500 | 1,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 500 | 250 | 250 | | | | 500 | 1,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 250 | 250 | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 500 | 250 | 250 | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | 50 | 50 | 50 | 50 | 60 | 60 |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 50 | 50 | 50 | 50 | 60 | 60 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | 50 | 50 | 50 | 50 | 60 | 60 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

The collaboration and document platform provides the ability to upload, store, and retrieve documents in a concise, practical manner using a standard practice for all divisions within the department. This will increase both internal and external stakeholders accessibility to departmental documents. A document management system will also automate the review and approval processes within Water and Waste Department (WWD) resulting in faster turn-around time.

This project may include a maximum of 0.25 temporary capital funded full-time equivalents.

The estimated life of this asset is 10 years.

Project Name: **WWD Learning Management System**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2040002024
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 565 | - | 565 | 565 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 565 | | 565 | 565 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 565 | - | - | 565 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 565 | | | 565 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | 60 | 62 |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | 60 | 62 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | - | - | - | - | 60 | 62 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

The Learning Management System will be used to schedule, track, and monitor regulatory required training and certification for Water and Waste Department (WWD) employees. The tool will also provide online training capabilities for training coordinators and optimize the training delivery process.

The estimated life of this asset is 10 years.

Project Name: **Brady Road Resource Management Facility - Cell Construction**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2062000420
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 700 | 1,200 | 750 | 1,300 | 500 | - | 3,750 | 4,450 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 700 | 1,200 | 750 | 1,300 | 500 | | 3,750 | 4,450 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 700 | 1,200 | 750 | 1,300 | 500 | - | - | 4,450 |
| Financed by: | | | | | | | | |
| Retained Earnings | 700 | 1,200 | 750 | 1,300 | 500 | | | 4,450 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

Solid waste must be disposed of in engineered landfill cells under the conditions of the Environment Act Licence No. 3081 R. As the capacity of existing landfill cells is consumed, new cells and their supporting infrastructure must be designed and constructed. The funding identified provides for design, excavation, liners, leachate collection, associated surface and ground water management, access roads, and associated engineering work.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Brady Road Resource Management Facility - Site Improvements**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2062000821

Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | 200 | - | - | - | - | 200 | 200 |
| Financed by: | | | | | | | | | |
| Landfill Rehabilitation Reserve | | | 200 | | | | | 200 | 200 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Landfill Rehabilitation Reserve | | 200 | | | | | | 200 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 3

This work is a requirement of the Province of Manitoba Environment Act Licence No. 3081 R.

Licensing requirements identify the need for site improvements such as landscaping or security and communications upgrades to mitigate risk and to facilitate response in case of emergency.

The expected life of this asset is 10 years.

Project Name: **Brady Road Resource Management Facility - Alternative Energy Project**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2062000922

Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 2,500 | - | - | - | 2,500 | 2,500 |
| Financed by: | | | | | | | | | |
| External Debt | | | | 2,500 | | | | 2,500 | 2,500 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 2,500 | - | - | - | - | 2,500 |
| Financed by: | | | | | | | | |
| External Debt | | | 2,500 | | | | | 2,500 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | 111 | 162 | 162 | 162 |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | 111 | 162 | 162 | 162 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | - | - | 111 | 162 | 162 | 162 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 4

Landfill gas from the Brady Road Resource Management Facility is currently captured and flared as required by the Climate Change and Emissions Reductions Act. Landfill gas is comprised of approximately 50% methane and represents a significant potential energy source that could be harnessed. Landfill gas to energy systems, capturing heat and/or power, are common in landfills throughout North America.

Funds provisioned are for engineering and detailed design. Funding opportunities with external third parties are currently being explored for full implementation.

The estimated life of this asset is 40 years.

Project Name: **Closed Landfill Site Improvement**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2060000620

Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 970 | 100 | 100 | 100 | - | - | 300 | 1,270 |
| Financed by: | | | | | | | | | |
| Landfill Rehabilitation Reserve | | 970 | 100 | 100 | 100 | | | 300 | 1,270 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 970 | 100 | 100 | 100 | - | - | - | 1,270 |
| Financed by: | | | | | | | | |
| Landfill Rehabilitation Reserve | 970 | 100 | 100 | 100 | | | | 1,270 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | 59 | 60 | 61 | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 59 | 60 | 61 | - | - | - |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | 59 | 60 | 61 | - | - | - |
| **Incremental Full Time Equivalent Positions** | | | | | | |

Class Estimate: Not applicable, as this is a scalable program

The Closed Landfill Site Improvement program was initiated in 2016 as a response to the Landfill Disposition Study that prioritized projects to improve and upgrade closed landfill components, including the protective cap, leachate and landfill gas collection systems, and monitoring equipment.

The program also includes a soil fabrication pilot project at Summit Landfill. This is an operational-scale demonstration of an all-season operation that uses city residuals, such as biosolids, street sweepings from winter road operations (sand and grit) and woodchips, to fabricate top soil to complete the cap system at Summit Landfill. Capping the landfill is a regulatory requirement that will protect human health and the environment. The soil blends are designed to be environmentally protective and support vegetative growth, while restoring the landfill to a native prairie landscape.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Soil Fabrication for Landfill Cover**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2062001121
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | - | 1,250 | 1,300 | 1,300 | 1,350 | 1,400 | 6,600 | 6,600 |
| Financed by: | | | | | | | | | |
| Landfill Rehabilitation Reserve | | | 1,250 | 1,300 | 1,300 | 1,350 | 1,400 | 6,600 | 6,600 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,250 | 1,300 | 1,300 | 1,350 | 1,400 | - | 6,600 |
| Financed by: | | | | | | | | |
| Landfill Rehabilitation Reserve | | 1,250 | 1,300 | 1,300 | 1,350 | 1,400 | | 6,600 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

This is a program for all-season fabrication of soil to supplement city topsoil requirements. The soil fabrication process uses city residuals, such as biosolids, street sweepings from winter road operations (sand and grit) and woodchips, to fabricate top soil. This is then spread and seeded with native prairie species at city landfills. Operations include ongoing environmental and vegetative monitoring.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Comprehensive Integrated Waste Management Strategy (CIWMS) - Review**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2060000723
Service: Recycling and Waste Diversion
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 450 | - | - | 450 | 450 |
| Financed by: | | | | | | | | | |
| Waste Diversion Reserve | | | | | 450 | | | 450 | 450 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 450 | - | - | - | 450 |
| Financed by: | | | | | | | | |
| Waste Diversion Reserve | | | | 450 | | | | 450 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 4

On October 19, 2011 Council adopted the Comprehensive Integrated Waste Management Strategy for implementation starting in 2012. The strategy includes a recommendation for Solid Waste Services to undertake a review, analysis and development of a roadmap of the City's solid waste systems every five years. The next review will take place in 2023.

Project Name: **Source Separated Organics**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2065000920
Service: Recycling and Waste Diversion
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,800 | - | - | - | - | - | - | 1,800 |
| Financed by: | | | | | | | | | |
| Waste Diversion Reserve | | 1,800 | | | | | | - | 1,800 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,800 | - | - | - | - | - | - | 1,800 |
| Financed by: | | | | | | | | |
| Waste Diversion Reserve | 1,800 | | | | | | | 1,800 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 5

A Source Separated Organics (SSO) pilot project will be initiated in some Winnipeg neighbourhoods. The purpose of the pilot is to gauge homeowner interest and participation in a program that diverts and collects organic waste separately from the traditional waste stream. Information obtained from this project will determine the feasibility of, and develop a business case for, the implementation of a full city-wide program.

On December 12, 2019, Council authorized a first charge of up to $1,800,000 in 2019, or prior to the adoption of the 2020 Capital Budget, for Source Separated Organics contract procurement for a curbside pilot project.

A class 3 estimate will be developed prior to pilot project implementation.

Project Name: **Collection Management System**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2064000322

Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 700 | - | - | 250 | - | - | - | 250 | 250 |
| Financed by: | | | | | | | | | |
| Waste Diversion Reserve | | | | 250 | | | | 250 | 250 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 250 | - | - | - | - | 250 |
| Financed by: | | | | | | | | |
| Waste Diversion Reserve | | | 250 | | | | | 250 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 3

This project will provide an integrated collection management information system that will manage cart inventory and delivery, billing and payment processing, vendor and contract management, customer service inquiries and operational and compliance reporting capabilities. The scope of this project will include building new system functionalities within the in-house developed Collections Management System (CMS), integrating CMS with garbage and recycling contractor's application systems as well as with other internal City systems, and developing tools to generate compliance, operational and financial reports and dashboards.

The expected life of this asset is 10 years.

Project Name: **Flood Pumping Station Rehabilitation**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2076500120
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,000 | 6,000 |
| Financed by: | | | | | | | | | |
| Transfer from Sewage Disposal System Fund | | 500 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,000 | 5,500 |
| Transfer from Prior Year Authorization | | 500 | | | | | | - | 500 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | - | 6,000 |
| Financed by: | | | | | | | | |
| Transfer from Sewage Disposal System Fund | 500 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | | 5,500 |
| Transfer from Prior Year Authorization | 500 | | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

A 2007 report on the adequacy and operation of the City's regional flood pumping stations identified station upgrades required in the near and long term. These upgrades improve overall station reliability during high river levels and rainfall events and may include changes to ventilation, electrical, mechanical, structural, or architectural components of the stations and associated structures, chambers, weirs, outfall pipes and gates. A program to address high priority reliability items has been developed for implementation. All stations will be upgraded for remote monitoring which is critical during flood and rainfall events.

Funding in 2020 includes $500,000 re-budgeted from capital budget authorized in 2017 - see Appendix 4.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Land Drainage Sewers - Regional / Local Streets**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2082000224

Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | - | - | - | 100 | 100 | 200 | 200 |
| Financed by: | | | | | | | | | |
| Transfer from Sewage Disposal System Fund | | | | | | 100 | 100 | 200 | 200 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 100 | 100 | - | 200 |
| Financed by: | | | | | | | | |
| Transfer from Sewage Disposal System Fund | | | | | 100 | 100 | | 200 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

Land drainage sewers and catch basins required for Local Improvement projects and other miscellaneous drainage improvements.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Land Drainage and Combined Sewers Outfall Gate Structures**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2078500220
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 2,680 | - | - | - | - | - | - | 2,680 |
| Financed by: | | | | | | | | | |
| Transfer from Sewage Disposal System Fund | | 2,680 | | | | | | - | 2,680 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,680 | - | - | - | - | - | - | 2,680 |
| Financed by: | | | | | | | | |
| Transfer from Sewage Disposal System Fund | 2,680 | | | | | | | 2,680 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

All land drainage gate chambers have been upgraded to a protection level of James 24.5 ft. The current focus is to upgrade the City's storm relief sewer (SRS) gate chambers to provide improved dewatering in combined sewer districts during summer rainstorms. The older SRS systems are only isolated from the river with sluice gates. An engineering study has been undertaken to develop conceptual designs and cost estimates for adding flap gates and permanent pumping as required for some of the identified sites, and will be undertaken for remaining sites in future years.

Funds are also provisioned for the rehabilitation of sewer flap gates and associated structures to ensure that all systems are adequately protected from river water intrusion.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Stormwater Retention Basin Upgrades (formerly Stormwater Retention Basin Revetments)**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2075000121
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | - | 430 | - | - | 485 | - | 915 | 915 |
| Financed by: | | | | | | | | | |
| Transfer from Sewage Disposal System Fund | | | 430 | | | 485 | | 915 | 915 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 430 | - | - | 485 | - | - | 915 |
| Financed by: | | | | | | | | |
| Transfer from Sewage Disposal System Fund | | 430 | | | 485 | | | 915 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 4

There are over 100 stormwater retention basins (SRBs) that the City maintains as part of the land drainage system. This program is utilized to replace aging and deteriorated infrastructure along the public shorelines and infrastructure associated with the SRBs of the City's lake system.

The expected life of this asset is 15 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Outfall Rehabilitation**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2078000120

Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 2,000 | 2,000 | 4,000 | 3,500 | 3,500 | 4,000 | 17,000 | 19,000 |
| Financed by: | | | | | | | | | |
| Transfer from Sewage Disposal System Fund | | 2,000 | 2,000 | 4,000 | 3,500 | 3,500 | 4,000 | 17,000 | 19,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,000 | 2,000 | 4,000 | 3,500 | 3,500 | 4,000 | - | 19,000 |
| Financed by: | | | | | | | | |
| Transfer from Sewage Disposal System Fund | 2,000 | 2,000 | 4,000 | 3,500 | 3,500 | 4,000 | | 19,000 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

An Outfall Condition Assessment was completed in 2019. This assessment prioritizes Winnipeg's outfall sites that require renewal/ rehabilitation, identifies potential renewal/rehabilitation techniques for each outfall, and provides high level cost estimates for this work. The City will program and undertake risk-based work on a yearly basis to maximize use of funding for the rehabilitation of sewer outfalls, repairs to piping and related appurtenances, and to improve riverbank stability issues.

Approximately $2.0 million of project funding from current and prior years has been allocated to the Wellington Crescent Project. See the Riverbank Stabilization - Physical Asset Protection project under Planning, Property and Development for more details.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Development Agreement Paybacks**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2077000121

Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | - | 1,040 | 700 | 1,000 | 1,700 | 500 | 4,940 | 4,940 |
| Financed by: | | | | | | | | | |
| Developer Capacity Charges | | | 500 | 700 | 1,000 | 1,700 | 500 | 4,400 | 4,400 |
| Transfer from Sewage Disposal System Fund | | | 540 | | | | | 540 | 540 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,040 | 700 | 1,000 | 1,700 | 500 | - | 4,940 |
| Financed by: | | | | | | | | |
| Developer Capacity Charges | | 500 | 700 | 1,000 | 1,700 | 500 | | 4,400 |
| Transfer from Sewage Disposal System Fund | | 540 | | | | | | 540 |

| NET OPERATING IMPACT ($000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

The provision for development agreement payback is an allowance for the City to repay developers who bridge finance the installation of oversized underground infrastructure at the request of the City at a time when City capital funding is not provided. The policy framework for bridge financing the oversized services was defined in the Development Agreement Parameters, adopted by Council on July 17, 2002.

Development agreement paybacks will be funded by two sources:

1) Developer capacity charges: used to fund paybacks related to oversized regional land drainage services. Paybacks will be managed based on available funds in the Developer Capacity Charges account.

2) Transfer from Sewage Disposal System Fund: generally used to fund local underground services oversizing.

The expected life of the installed assets are over 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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## WINNIPEG FLEET MANAGEMENT AGENCY - FLEET MANAGEMENT AGENCY FUND

Project Name: **Shop Tools & Equipment Upgrades**

Standing Policy Committee: Innovation and Economic Development

Department: Fleet Management Agency (SOA)

Service: Fleet Management Agency (SOA)

Project: 8310000120

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 255 | 265 | 245 | 255 | 255 | 255 | 1,275 | 1,530 |
| Financed by: | | | | | | | | | |
| Accumulated Surplus (Retained Earnings) | | 255 | 265 | 245 | 255 | 255 | 255 | 1,275 | 1,530 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 255 | 265 | 245 | 255 | 255 | 255 | - | 1,530 |
| Financed by: | | | | | | | | |
| Accumulated Surplus (Retained Earnings) | 255 | 265 | 245 | 255 | 255 | 255 | | 1,530 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

This program is for the purchase of various shop equipment. This includes safety upgrades, overhead cranes, hoists, oil system upgrades, rolling jacks, diagnostic equipment, hydraulic hose machines and various welding machines.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Power Tools**

Standing Policy Committee: Innovation and Economic Development

Department: Fleet Management Agency (SOA)

Service: Fleet Management Agency (SOA)

Project: 8310000220

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 125 | 125 | 125 | 125 | 125 | 125 | 625 | 750 |
| Financed by: | | | | | | | | | |
| Accumulated Surplus (Retained Earnings) | | 125 | 125 | 125 | 125 | 125 | 125 | 625 | 750 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 125 | 125 | 125 | 125 | 125 | 125 | - | 750 |
| Financed by: | | | | | | | | |
| Accumulated Surplus (Retained Earnings) | 125 | 125 | 125 | 125 | 125 | 125 | | 750 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

This program is for the purchase of Power Tools required to support services provided by Public Works and other City departments.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Fuel Site Upgrades and Improvements**

Standing Policy Committee: Innovation and Economic Development

Department: Fleet Management Agency (SOA)

Service: Fleet Management Agency (SOA)

Project: 8310000320

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 200 | 200 | 200 | 200 | 200 | 200 | 1,000 | 1,200 |
| Financed by: | | | | | | | | | |
| Accumulated Surplus (Retained Earnings) | | 200 | 200 | 200 | 200 | 200 | 200 | 1,000 | 1,200 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 200 | 200 | 200 | 200 | 200 | - | 1,200 |
| Financed by: | | | | | | | | |
| Accumulated Surplus (Retained Earnings) | 200 | 200 | 200 | 200 | 200 | 200 | | 1,200 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

The Winnipeg Fleet Management Agency (WFMA) offers three types of fuel at below market prices - unleaded gasoline, clear diesel and marked diesel available at five fully automated 24/7 locations strategically located throughout the city. Fuel is managed using a charge-back system based on fuel consumption for each individual fleet vehicle. This program funds capital improvement expenditures to infrastructure at WFMA fuel sites.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Building Renovations**

Standing Policy Committee: Innovation and Economic Development

Department: Fleet Management Agency (SOA)
Service: Fleet Management Agency (SOA)

Project: 8310000420
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 214 | 160 | 225 | 190 | 197 | 197 | 969 | 1,183 |
| Financed by: | | | | | | | | | |
| Accumulated Surplus (Retained Earnings) | | 214 | 160 | 225 | 190 | 197 | 197 | 969 | 1,183 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 214 | 160 | 225 | 190 | 197 | 197 | - | 1,183 |
| Financed by: | | | | | | | | |
| Accumulated Surplus (Retained Earnings) | 214 | 160 | 225 | 190 | 197 | 197 | | 1,183 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: Not applicable, as this is a scalable program

This program is for refurbishment and/or improvements to various Winnipeg Fleet Management Agency (WFMA) owned facilities and includes interior, accessibility, heating, ventilation, air conditioning, electrical, plumbing, parking lot, building envelope and structural improvements.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Fleet Asset Acquisitions**

Standing Policy Committee: Innovation and Economic Development

Department: Fleet Management Agency (SOA)
Service: Fleet Management Agency (SOA)

Project: 8330000120
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 15,178 | 15,670 | 15,670 | 15,670 | 15,670 | 15,670 | 78,350 | 93,528 |
| Financed by: | | | | | | | | | |
| External Debt | | 15,178 | 15,670 | 15,670 | 15,670 | 15,670 | 15,670 | 78,350 | 93,528 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 15,178 | 15,670 | 15,670 | 15,670 | 15,670 | 15,670 | - | 93,528 |
| Financed by: | | | | | | | | |
| External Debt | 15,178 | 15,670 | 15,670 | 15,670 | 15,670 | 15,670 | | 93,528 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | 314 | 802 | 1,202 | 1,637 | 2,026 | 2,314 |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 314 | 802 | 1,202 | 1,637 | 2,026 | 2,314 |
| Less: Incremental Revenue/Recovery | | | | | | |
| **Net Cost/(Benefit)** | 314 | 802 | 1,202 | 1,637 | 2,026 | 2,314 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3 - applies to 2020 only

This program funds fleet asset acquisitions which are based on the Winnipeg Fleet Management Agency (WFMA) 2020 to 2023 fleet replacement plan, and are subject to future revision due to WFMA and City department decisions and vendor availability. Fleet acquisitions in 2020 are estimated by fleet category as follows (in thousands of dollars):

- Agricultural equipment $101
- Attachments $109
- Cargo vans $147
- Industrial equipment $112
- Light duty trucks $299
- Medium duty trucks $2,207
- Sedans $708
- Specialty and fire equipment $11,274
- Sport utility vehicles $221

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Fleet Software Application**

Standing Policy Committee: Innovation and Economic Development

Department: Fleet Management Agency (SOA)
Service: Fleet Management Agency (SOA)

Project: 8340000121
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 929 | - | - | - | - | 929 | 929 |
| Financed by: | | | | | | | | | |
| Accumulated Surplus (Retained Earnings) | | | 929 | | | | | 929 | 929 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 929 | | | | | - | 929 |
| Financed by: | | | | | | | | |
| Accumulated Surplus (Retained Earnings) | | 929 | | | | | | 929 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| 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: 5

A new fleet software application is required to enhance reporting related to the repair and maintenance of equipment, repair facility capacity and productivity, parts inventory and transferring of parts between facilities. The software will provide additional functionality such as the ability to assign more than one mechanic to a maintenance or repair task on a work order, plus provide additional reporting for the management of equipment, parts and staff to optimize lifecycle analysis of vehicles and equipment.

Project Name: **Automated License Plate Recognition (ALPR) Program**

Standing Policy Committee: Innovation and Economic Development

Department: Winnipeg Parking Authority

Service: Parking Authority (SOA)

Project: 8400000120

OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 178 | 126 | 172 | 137 | 238 | 149 | 822 | 1,000 |
| Financed by: | | | | | | | | | |
| Accumulated Surplus (Retained Earnings) | | 178 | 126 | 172 | 137 | 238 | 149 | 822 | 1,000 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 178 | 126 | 172 | 137 | 238 | 149 | - | 1,000 |
| Financed by: | | | | | | | | |
| Accumulated Surplus (Retained Earnings) | 178 | 126 | 172 | 137 | 238 | 149 | | 1,000 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | | | | | | |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | - | - | - | - | - | - |
| Less: Incremental Revenue/Recovery | 6 | 4 | 6 | 4 | 8 | 5 |
| **Net Cost/(Benefit)** | (6) | (4) | (6) | (4) | (8) | (5) |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3 - applies to 2020 only

This program supports the delivery of on-street and off-street enforcement of parking related by-laws, as well as enforcement related to the Vehicles For Hire by-law, by investing in technologies that allow for effective enforcement practices and increased compliance with by-laws. Capital funding is used to both replace automated license plate recognition (ALPR) units and purchase new inventory and necessary information technology infrastructure, such as laptops.

Planned investments for 2020 include:

Two new ALPR units to support improved school zone, fire lane and surface lot enforcement, plus laptop replacements.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Parking Access & Revenue Control System**

Standing Policy Committee: Innovation and Economic Development

Department: Winnipeg Parking Authority
Service: Parking Authority (SOA)
Project: 8400000220
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 373 | - | - | - | - | - | - | 373 |
| Financed by: | | | | | | | | | |
| Accumulated Surplus (Retained Earnings) | | 373 | | | | | | - | 373 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 373 | - | - | - | - | - | - | 373 |
| Financed by: | | | | | | | | |
| Accumulated Surplus (Retained Earnings) | 373 | | | | | | | 373 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | 7 | 7 | 7 | 7 | 7 | 7 |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 7 | 7 | 7 | 7 | 7 | 7 |
| Less: Incremental Revenue/Recovery | 12 | | | | | |
| **Net Cost/(Benefit)** | (5) | 7 | 7 | 7 | 7 | 7 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 3

This project will replace the existing Parking Access Revenue Control System at the Millennium Library Parkade that has reached the end of its useful life. The replacement of payment systems at the parkade and upgrades to the entry and exit gate systems will ensure the reliability of hardware and software systems, allow for numerous improvements to customer service as well as ensure Payment Card Industry Data Security Standard compliance.

Project Name: **Enhanced Security - Millennium Library Parkade**

Standing Policy Committee: Innovation and Economic Development

Department: Winnipeg Parking Authority
Service: Parking Authority (SOA)
Project: 8400000320
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2020 Estimate | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 100 | - | - | - | - | - | - | 100 |
| Financed by: | | | | | | | | | |
| Destination Marketing Reserve | | 100 | | | | | | - | 100 |

| CASH FLOW | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | Beyond 2025 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | - | - | - | - | - | 100 |
| Financed by: | | | | | | | | |
| Destination Marketing Reserve | 100 | | | | | | | 100 |

| NET OPERATING IMPACT (000's) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| Operating costs | 10 | 10 | 10 | 10 | 10 | 10 |
| Debt and finance charges | | | | | | |
| Transfer to General Capital Fund | | | | | | |
| **Total Direct Costs** | 10 | 10 | 10 | 10 | 10 | 10 |
| Less: Incremental Revenue/Recovery | 3 | | | | | |
| **Net Cost/(Benefit)** | 7 | 10 | 10 | 10 | 10 | 10 |
| **Incremental Full Time Equivalent Positions** | - | - | - | - | - | - |

Class Estimate: 5

This project is an extension of the Parking Access and Revenue Control System project to enhance security at the Millennium Library Parkade. The project will include installation of a new access control system in the stairwells of the parkade for enhanced security, which will be funded through the Destination Marketing Reserve. Work will not proceed until a class 3 estimate is obtained. The project was approved by Council on January 30, 2020.

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| CAPITAL PROJECT SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | PRELIMINARY CAPITAL<br>BUDGET<br>2020 | FORECAST<br>2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR<br>TOTAL |
|---|---|---|---|---|---|---|---|
| INFRASTRUCTURE RENEWAL AND PUBLIC WORKS | | | | | | | |
| Roadway Construction and Maintenance | 150,694 | 158,831 | 174,478 | 157,771 | 152,744 | 167,487 | 962,005 |
| Transportation Planning and Traffic Management | 5,516 | 1,935 | 1,677 | 1,369 | 1,450 | 1,479 | 13,426 |
| Public Transit | 26,435 | 28,635 | 27,612 | 28,638 | 30,463 | 25,044 | 166,827 |
| City Beautification | 352 | | 226 | 228 | 237 | 302 | 1,345 |
| **Total Infrastructure Renewal and Public Works** | 182,997 | 189,401 | 203,993 | 188,006 | 184,894 | 194,312 | 1,143,603 |
| WATER AND WASTE, RIVERBANK MANAGEMENT AND THE ENVIRONMENT | | | | | | | |
| Water | 37,600 | 40,960 | 28,250 | 23,915 | 30,180 | 46,045 | 206,950 |
| Wastewater | 69,065 | 61,530 | 58,590 | 58,550 | 80,535 | 109,025 | 437,295 |
| Land Drainage and Flood Control | 7,821 | 4,570 | 5,700 | 5,500 | 6,785 | 5,600 | 35,976 |
| Solid Waste Disposal | 1,670 | 2,750 | 4,900 | 2,700 | 1,850 | 1,400 | 15,270 |
| Recycling and Waste Diversion | 1,800 | | | 450 | | | 2,250 |
| **Total Water and Waste, Riverbank Management and the Environment** | 117,956 | 109,810 | 97,440 | 91,115 | 119,350 | 162,070 | 697,741 |
| PROPERTY AND DEVELOPMENT, HERITAGE AND DOWNTOWN DEVELOPMENT | | | | | | | |
| Neighbourhood Revitalization | 1,000 | 1,000 | 1,000 | | | | 3,000 |
| Developement Approvals, Building Permits and Inspections | 1,215 | 1,947 | 1,019 | | | | 4,181 |
| Heritage Conservation | | | 100 | | | | 100 |
| Property Asset Management - Tax Supported | 106 | 100 | | | 100 | | 306 |
| Property Asset Management - Municipal Accommodations | 4,607 | 3,523 | 931 | 1,333 | 2,660 | 943 | 13,997 |
| Cemeteries | 1,048 | 936 | 150 | | | | 2,134 |
| **Total Property and Development, Heritage and Downtown Development** | 7,976 | 7,506 | 3,200 | 1,333 | 2,760 | 943 | 23,718 |
| PROTECTION, COMMUNITY SERVICES AND PARKS / WINNIPEG POLICE BOARD | | | | | | | |
| Police Response | 2,966 | 4,990 | 5,047 | 3,034 | 2,655 | 2,098 | 20,790 |
| Fire and Rescue Response | 5,773 | 1,371 | 13,540 | 11,528 | 651 | 481 | 33,344 |
| Medical Response | 5,339 | 1,043 | 3,852 | 841 | 1,017 | 1,138 | 13,230 |
| Recreation | 8,485 | 8,935 | 2,425 | 2,460 | 1,874 | 2,485 | 26,664 |
| Parks and Urban Forestry | 9,095 | 14,115 | 9,673 | 9,378 | 2,045 | 4,313 | 48,619 |
| Libraries | 661 | 300 | 100 | 325 | 850 | 350 | 2,586 |
| Arts, Entertainment and Culture | 4,800 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 14,800 |
| **Total Protection, Community Services and Parks / Winnipeg Police Board** | 37,119 | 32,754 | 36,637 | 29,566 | 11,092 | 12,865 | 160,033 |
| INNOVATION AND ECONOMIC DEVELOPMENT | | | | | | | |
| Fleet Management Agency (SOA) | 15,972 | 17,349 | 16,465 | 16,440 | 16,447 | 16,447 | 99,120 |
| Parking Authority (SOA) | 651 | 126 | 172 | 137 | 238 | 149 | 1,473 |
| Innovation, Transformation and Technology | 6,776 | 4,951 | 4,460 | 2,770 | 2,151 | 3,619 | 24,727 |
| **Total Innovation and Economic Development** | 23,399 | 22,426 | 21,097 | 19,347 | 18,836 | 20,215 | 125,320 |
| EXECUTIVE POLICY | | | | | | | |
| Assessment, Taxation and Corporate | | 237 | 312 | | 250 | 312 | 1,111 |
| Contact Centre - 311 | 122 | 100 | | 100 | | | 322 |
| Council Services | | 100 | 110 | 100 | | 100 | 410 |
| **Total Executive Policy** | 122 | 437 | 422 | 200 | 250 | 412 | 1,843 |
| **TOTAL CAPITAL PROGRAM** | 369,569 | 362,334 | 362,789 | 329,567 | 337,182 | 390,817 | 2,152,258 |

| **CAPITAL PROJECT SUMMARY**<br>***SERVICE BASED VIEW***<br>*(in Thousands of $)* | **DETAIL PAGE NO.** | **PRELIMINARY CAPITAL**<br>**BUDGET 2020** | **FORECAST**<br>**2021** | **2022** | **2023** | **2024** | **2025** | **6 YEAR TOTAL** |
|---|---|---|---|---|---|---|---|---|
| **CAPITAL PROJECTS LISTING** | | | | | | | | |
| **INFRASTRUCTURE RENEWAL AND PUBLIC WORKS** | | | | | | | | |
| **Roadway Construction and Maintenance** | | | | | | | | |
| ***Public Works*** | | | | | | | | |
| Pedestrian and Cycling Program | 2-1 | **3,622** | **1,852** | **1,650** | **1,590** | **1,651** | **1,683** | **12,048** |
| Developer Payback - Various Locations | 2-6 | **9,750** | | | | | | **9,750** |
| Inner-Ring Road - Functional Design | 2-12 | | | | | **551** | | **551** |
| Regional and Local Street Renewal - Council has authorized first charges of $28.286 million (Council March 20, 2019), $500,000 (Council September 26, 2019), and $37.750 million (Council December 12, 2019) for a total of $66.536 million in 2019 or prior to the adoption of the 2020 capital budget. See page 2-13 for a detailed listing of the first charge authorizations. | 2-13 | **130,322** | **151,016** | **161,416** | **136,001** | **124,095** | **144,104** | **846,954** |
| Osborne Street Underpass | 2-24 | | | | | | **1,100** | **1,100** |
| Dublin Avenue Bridge (Omand's Creek) - First charge against the 2020 Capital Budget of up to $3.3 million (Council March 20, 2019) | 2-25 | **3,300** | | | | | | **3,300** |
| Pembina Highway Overpass (Bishop Grandin) Rehabilitation | 2-26 | | | | **1,000** | **2,000** | **17,400** | **20,400** |
| St. Vital Bridge Rehabilitation | 2-27 | | **2,000** | **6,212** | **13,600** | **19,200** | | **41,012** |
| Lagimodiere Twin Overpasses Rehabilitation (Concordia Avenue & CPR Keewatin) | 2-28 | | | **2,000** | **2,000** | **2,000** | | **6,000** |
| Waterway Crossing and Grade Separations - Annual Program | 2-29 | **2,970** | **3,513** | **3,000** | **3,000** | **3,000** | **3,000** | **18,483** |
| Asset Management System - Various Divisions | 2-35 | **100** | **100** | **100** | **100** | **100** | **100** | **600** |
| ***Assessment and Taxation*** | | | | | | | | |
| Local Improvements - Ongoing Program | 2-129 | **630** | **350** | **100** | **480** | **147** | **100** | **1,807** |
| ***Total Roadway Construction and Maintenance*** | | **150,694** | **158,831** | **174,478** | **157,771** | **152,744** | **167,487** | **962,005** |

| CAPITAL PROJECT SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **Transportation Planning and Traffic Management** | | | | | | | | |
| ***Public Works*** | | | | | | | | |
| Transportation Master Plan | 2-7 | **875** | **125** | **250** | | | | **1,250** |
| Traffic Signals Improvements | 2-8 | **688** | | | | | | **688** |
| Traffic Signals Loops | 2-9 | **250** | **250** | **250** | **250** | **250** | **250** | **1,500** |
| Permanent Traffic Monitoring Stations | 2-10 | **623** | | | | | | **623** |
| Traffic Engineering Improvements - Various Locations | 2-11 | **1,900** | **1,560** | **1,177** | **1,119** | **1,200** | **1,229** | **8,185** |
| Land Acquisition - Transportation Right of Way | 2-36 | **1,180** | | | | | | **1,180** |
| ***Total Transportation Planning and Traffic Management*** | | **5,516** | **1,935** | **1,677** | **1,369** | **1,450** | **1,479** | **13,426** |
| **Public Transit** | | | | | | | | |
| ***Transit*** | | | | | | | | |
| Transit Information Technology Program (formerly Innovative Transit Program) | 2-130 | | **500** | **325** | **500** | **325** | **325** | **1,975** |
| Transit Building Replacement / Refurbishment | 2-131 | **336** | **600** | **600** | **828** | **881** | **600** | **3,845** |
| Transit Roof Replacement and Ventilation Upgrade (formerly Transit Building Roof Replacement and Ventilation Upgrade) | 2-132 | **1,500** | **1,947** | **1,500** | **1,500** | **1,800** | | **8,247** |
| Transit Buses | 2-133 | **20,960** | **21,138** | **21,737** | **22,360** | **23,007** | **23,669** | **132,871** |
| Accessibility Program | 2-137 | **500** | **250** | **250** | **250** | **250** | **250** | **1,750** |
| Heavy Shop Equipment Replacement Program | 2-138 | | **200** | **200** | **200** | **200** | **200** | **1,000** |
| Hoist Replacement at Fort Rouge Garage | 2-139 | **1,500** | **2,500** | **1,500** | **1,500** | **4,000** | | **11,000** |
| Heated Bus Shelter Program | 2-140 | **1,500** | **1,500** | **1,500** | **1,500** | | | **6,000** |
| Low Income Bus Pass | 2-141 | **139** | | | | | | **139** |
| ***Total Public Transit*** | | **26,435** | **28,635** | **27,612** | **28,638** | **30,463** | **25,044** | **166,827** |
| **City Beautification** | | | | | | | | |
| ***Planning, Property and Development*** | | | | | | | | |
| Downtown Enhancement Program | 2-94 | | | **100** | **228** | **237** | **151** | **716** |
| BIZ Zones, Image Routes and Neighbourhood Main Streets | 2-96 | **352** | | **126** | | | **151** | **629** |
| ***Total City Beautification*** | | **352** | | **226** | **228** | **237** | **302** | **1,345** |
| **TOTAL INFRASTRUCTURE RENEWAL AND PUBLIC WORKS** | | **182,997** | **189,401** | **203,993** | **188,006** | **184,894** | **194,312** | **1,143,603** |

| **CAPITAL PROJECT SUMMARY**<br>***SERVICE BASED VIEW***<br>*(in Thousands of $)* | **DETAIL PAGE NO.** | **PRELIMINARY CAPITAL** | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | **BUDGET** | **FORECAST** | | | | | **6 YEAR** |
| | | **2020** | **2021** | **2022** | **2023** | **2024** | **2025** | **TOTAL** |
| **WATER AND WASTE, RIVERBANK MANAGEMENT AND THE ENVIRONMENT** | | | | | | | | |
| **Water** | | | | | | | | |
| ***Water and Waste - Waterworks System*** | | | | | | | | |
| Shoal Lake Aqueduct Condition Assessment and Rehabilitation (formerly Shoal Lake Aqueduct Asset Preservation) | 2-142 | **200** | **520** | **2,000** | **1,030** | **1,650** | **3,700** | **9,100** |
| Shoal Lake Aqueduct Intake Facility Rehabilitation | 2-143 | | **2,050** | **5,450** | | **4,265** | **585** | **12,350** |
| Branch Aqueduct Condition Assessment and Rehabiliation (formerly Aqueduct Condition Assessment and Rehabilitation) | 2-144 | **1,000** | | | **1,000** | | **1,000** | **3,000** |
| Tache Booster Pumping Station | 2-145 | | **1,000** | | | **1,300** | **685** | **2,985** |
| Pumping Stations and Reservoirs Structural Upgrades | 2-146 | **800** | | | | | | **800** |
| Chlorination Upgrading at Pumping Stations | 2-147 | | **3,575** | | | | | **3,575** |
| Water Supervisory Control and Data Acquisition (SCADA) Upgrade | 2-148 | **2,690** | | | | | | **2,690** |
| Waterworks System Security Upgrades | 2-149 | **500** | | | | | | **500** |
| Regulatory Assessment of Water System Infrastructure and Supply | 2-150 | | **575** | | | | | **575** |
| Deacon Reservoir Cell Rehabilitation | 2-151 | | | | | | **100** | **100** |
| Deacon Booster Pumping Station Suction Header Divider Wall and Valve | 2-152 | | | **350** | **985** | | | **1,335** |
| Deacon Site Flood Protection | 2-153 | **1,850** | | | | | | **1,850** |
| HVAC Upgrades at Pumping Stations | 2-154 | **4,090** | | | | | | **4,090** |
| Ultraviolet Light Disinfection System Upgrade | 2-155 | **855** | **1,735** | | | | | **2,590** |
| Discharge Meter Upgrades at the In-town Pumping Stations | 2-156 | | **3,950** | | | | | **3,950** |
| Water Treatment Plant Asset Refurbishment and Replacement Program | 2-157 | **470** | **5,530** | | | | | **6,000** |
| Pumping Stations Reliability Upgrades | 2-158 | | **200** | | | | | **200** |
| Study of Backup Power Supply for the Hurst Pumping Station | 2-159 | | **425** | | | | | **425** |
| Feeder Main Condition Assessment and Rehabilitation | 2-160 | **3,550** | **200** | **500** | **200** | **1,150** | **1,860** | **7,460** |
| Water Meter Renewals | 2-161 | **450** | | | | | **16,000** | **16,450** |
| Water Main Renewals | 2-162 | **17,500** | **18,000** | **18,500** | **19,000** | **20,000** | **20,500** | **113,500** |
| Customer Billing and Work Management Systems Upgrades Program | 2-163 | **1,045** | **2,200** | **350** | **550** | **750** | **600** | **5,495** |
| Application and Data Integration | 2-164 | **250** | **250** | **350** | **400** | **565** | **515** | **2,330** |
| Digital Enablement for Plant and Field Employees | 2-165 | **1,300** | **750** | **750** | **750** | **500** | **500** | **4,550** |
| Laboratory Information Management System Upgrade and Enhancement | 2-166 | **1,050** | | | | | | **1,050** |
| ***Total Water*** | | **37,600** | **40,960** | **28,250** | **23,915** | **30,180** | **46,045** | **206,950** |

| **CAPITAL PROJECT SUMMARY**<br>***SERVICE BASED VIEW***<br>*(in Thousands of $)* | **DETAIL PAGE NO.** | **PRELIMINARY CAPITAL**<br>**BUDGET 2020** | **FORECAST**<br>**2021** | **2022** | **2023** | **2024** | **2025** | **6 YEAR TOTAL** |
|---|---|---|---|---|---|---|---|---|
| **Wastewater** | | | | | | | | |
| ***Water and Waste - Sewage Disposal System*** | | | | | | | | |
| Sludge Drying Beds Decommissioning | 2-167 | | | | | **375** | | **375** |
| Process Control System Master Plan and Upgrade | 2-168 | | **3,000** | | | **7,000** | | **10,000** |
| Asset Refurbishment and Replacement Program | 2-169 | **6,000** | **5,000** | **2,000** | **5,000** | **5,000** | **5,000** | **28,000** |
| West End Sewage Treatment Plant (WEWPCC) - Facilities Plan | 2-170 | | **500** | | | | | **500** |
| Arc Flash Hazard Analysis and Remediation | 2-171 | **385** | **320** | **270** | | | | **975** |
| D'Arcy Lift Station Load Shedding Upgrade | 2-172 | | **400** | | | | | **400** |
| Lift Stations Upgrading | 2-173 | **2,925** | **6,250** | **6,250** | **3,250** | **6,500** | **7,000** | **32,175** |
| River Crossings Monitoring and Rehabilitation | 2-174 | **6,200** | **950** | **1,700** | **600** | | **5,000** | **14,450** |
| Combined Sewer Overflow and Basement Flood Management Strategy | 2-175 | **31,610** | **23,110** | **29,120** | **30,000** | **32,000** | **34,160** | **180,000** |
| Comminutor Chamber Rehabilitation Program | 2-176 | **1,300** | | | | | | **1,300** |
| Southwest Interceptor River Crossing | 2-177 | | | | | **5,000** | **35,000** | **40,000** |
| Wastewater Services Facilities Plan | 2-178 | **350** | | | | | | **350** |
| Environmental Standards Laboratory Facility Plan | 2-179 | | | | | **530** | | **530** |
| Sewer Renewals | 2-180 | **17,000** | **17,500** | **18,000** | **18,500** | **21,000** | **21,000** | **113,000** |
| Departmental Levels of Service Framework | 2-181 | **200** | | | | | | **200** |
| Water and Waste Department (WWD) Business Intelligence | 2-182 | **1,050** | **1,550** | **300** | **300** | **1,100** | **550** | **4,850** |
| Customer Billing and Work Management Systems Upgrades Program | 2-183 | **1,045** | **2,200** | **350** | **550** | **750** | **600** | **5,495** |
| Digital Customer Solutions | 2-184 | **500** | **500** | **350** | **350** | **715** | **715** | **3,130** |
| WWD Document Management System | 2-185 | **500** | **250** | **250** | | | | **1,000** |
| WWD Learning Management System | 2-186 | | | | | **565** | | **565** |
| ***Total Wastewater*** | | **69,065** | **61,530** | **58,590** | **58,550** | **80,535** | **109,025** | **437,295** |
| **Land Drainage and Flood Control** | | | | | | | | |
| ***Planning, Property and Development*** | | | | | | | | |
| Riverbank Stabilization - Physical Asset Protection | 2-99 | **2,141** | **100** | | | | | **2,241** |
| ***Water and Waste - Land Drainage Utility*** | | | | | | | | |
| Flood Pumping Station Rehabilitation | 2-195 | **1,000** | **1,000** | **1,000** | **1,000** | **1,000** | **1,000** | **6,000** |
| Land Drainage Sewers - Regional / Local Streets | 2-196 | | | | | **100** | **100** | **200** |
| Land Drainage and Combined Sewers Outfall Gate Structures | 2-197 | **2,680** | | | | | | **2,680** |
| Stormwater Retention Basin Upgrades (formerly Stormwater Retention Basin Revetments) | 2-198 | | **430** | | | **485** | | **915** |
| Outfall Rehabilitation | 2-199 | **2,000** | **2,000** | **4,000** | **3,500** | **3,500** | **4,000** | **19,000** |
| Development Agreement Paybacks | 2-200 | | **1,040** | **700** | **1,000** | **1,700** | **500** | **4,940** |
| ***Total Land Drainage and Flood Control*** | | **7,821** | **4,570** | **5,700** | **5,500** | **6,785** | **5,600** | **35,976** |

**Appendix 1**

| CAPITAL PROJECT SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **Solid Waste Collection and Disposal** | | | | | | | | |
| ***Water and Waste - Solid Waste Disposal System*** | | | | | | | | |
| Brady Road Resource Management Facility - Cell Construction | 2-187 | **700** | **1,200** | **750** | **1,300** | **500** | | **4,450** |
| Brady Road Resource Management Facility - Site Improvements | 2-188 | | **200** | | | | | **200** |
| Brady Road Resource Management Facility - Alternative Energy Project | 2-189 | | | **2,500** | | | | **2,500** |
| Closed Landfill Site Improvement | 2-190 | **970** | **100** | **100** | **100** | | | **1,270** |
| Soil Fabrication for Landfill Cover | 2-191 | | **1,250** | **1,300** | **1,300** | **1,350** | **1,400** | **6,600** |
| Collection Management System | 2-194 | | | **250** | | | | **250** |
| ***Total Solid Waste Disposal*** | | **1,670** | **2,750** | **4,900** | **2,700** | **1,850** | **1,400** | **15,270** |
| **Recycling and Waste Diversion** | | | | | | | | |
| ***Water and Waste - Solid Waste Disposal System*** | | | | | | | | |
| Comprehensive Integrated Waste Management Strategy (CIWMS) - Review | 2-192 | | | | **450** | | | **450** |
| Source Separated Organics - First charge against the 2020 Capital Budget of up to $1.8 million (Council December 12, 2019) | 2-193 | **1,800** | | | | | | **1,800** |
| ***Total Recycling and Waste Diversion*** | | **1,800** | | | **450** | | | **2,250** |
| **TOTAL WATER AND WASTE, RIVERBANK MANAGEMENT AND THE ENVIRONMENT** | | **117,956** | **109,810** | **97,440** | **91,115** | **119,350** | **162,070** | **697,741** |
| **PROPERTY AND DEVELOPMENT, HERITAGE AND DOWNTOWN DEVELOPMENT** | | | | | | | | |
| **Neighbourhood Revitalization** | | | | | | | | |
| ***Community Services*** | | | | | | | | |
| Community Incentive Grant Program (CIGP) | 2-57 | **1,000** | **1,000** | **1,000** | | | | **3,000** |
| ***Total Neighbourhood Revitalization*** | | **1,000** | **1,000** | **1,000** | | | | **3,000** |
| **Development Approvals, Building Permits and Inspections** | | | | | | | | |
| ***Planning, Property and Development*** | | | | | | | | |
| Digital Permitting | 2-102 | **1,215** | **1,947** | **1,019** | | | | **4,181** |
| ***Total Development Approvals, Building Permits and Inspections*** | | **1,215** | **1,947** | **1,019** | | | | **4,181** |
| **Heritage Conservation** | | | | | | | | |
| ***City Clerks*** | | | | | | | | |
| Corporate Records Centre | 2-110 | | | **100** | | | | **100** |
| ***Total Heritage Conservation*** | | | | **100** | | | | **100** |

| CAPITAL PROJECT SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **Property Asset Management - Tax Supported** | | | | | | | | |
| ***Planning, Property and Development*** | | | | | | | | |
| Computer Automation | 2-92 | **106** | **100** | | | **100** | | **306** |
| ***Total Property Asset Management - Tax Supported*** | | **106** | **100** | | | **100** | | **306** |
| **Property Asset Management - Municipal Accommodations** | | | | | | | | |
| ***Municipal Accommodations*** | | | | | | | | |
| Strategic Facilities Master Plan | 2-106 | **450** | **250** | | | | | **700** |
| Carlton Walkways | 2-107 | **2,344** | | | | | | **2,344** |
| Health/Life Safety/Emergency Systems Refurbishment/City-wide Accessibility | 2-108 | **1,813** | **3,273** | **931** | **1,333** | **2,660** | **943** | **10,953** |
| ***Total Property Asset Management - Municipal Accommodations*** | | **4,607** | **3,523** | **931** | **1,333** | **2,660** | **943** | **13,997** |
| **Cemeteries** | | | | | | | | |
| ***Planning, Property and Development*** | | | | | | | | |
| Cemeteries - Improvements | 2-93 | **1,048** | **936** | **150** | | | | **2,134** |
| ***Total Cemeteries*** | | **1,048** | **936** | **150** | | | | **2,134** |
| **TOTAL PROPERTY AND DEVELOPMENT, HERITAGE AND DOWNTOWN DEVELOPMENT** | | **7,976** | **7,506** | **3,200** | **1,333** | **2,760** | **943** | **23,718** |

**Appendix 1**

| CAPITAL PROJECT SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **PROTECTION, COMMUNITY SERVICES AND PARKS / WINNIPEG POLICE BOARD** | | | | | | | | |
| **Police Response** | | | | | | | | |
| ***Winnipeg Police Service*** | | | | | | | | |
| Evidence Archival Building - Tenant Improvement | 2-61 | **500** | | | | | | **500** |
| Technology Upgrades - Information Systems | 2-62 | | | | | **1,325** | **112** | **1,437** |
| North Station Information Technology Requirements | 2-63 | | **190** | | | | | **190** |
| In Car Computing | 2-64 | **500** | | | | | **1,736** | **2,236** |
| Evidence Archive Building - Racking System | 2-65 | **841** | | | | | | **841** |
| North District Station - Furniture, Fixtures, and Equipment | 2-66 | | **700** | | | | | **700** |
| Computer Assisted Dispatch Upgrade | 2-67 | **325** | | | **375** | | | **700** |
| Next Generation 911 | 2-68 | **800** | **1,000** | | | | | **1,800** |
| Automated Fingerprint Identification System (AFIS) | 2-69 | | **500** | | | | | **500** |
| Police Headquarters Information System Upgrades | 2-70 | | **2,100** | | | | | **2,100** |
| Schedule and Management System Upgrade | 2-71 | | **500** | | | | | **500** |
| Technological Crime Infrastructure | 2-72 | | | | | **380** | | **380** |
| Building Security System Evergreening | 2-73 | | | | **159** | | | **159** |
| Flight Operations Overhaul | 2-74 | | | **602** | | | | **602** |
| Flight Operations - Forward Looking Infra-Red (FLIR) Equipment | 2-75 | | | **792** | | | | **792** |
| Technical Surveillance Systems | 2-76 | | | **400** | | | | **400** |
| Communication Sites Upgrade - Audio Loggers | 2-77 | | | **1,453** | | | | **1,453** |
| Call Answer Software | 2-78 | | | | **1,000** | | | **1,000** |
| Communication Sites - Radio Consoles/Batteries | 2-79 | | | | | **575** | | **575** |
| E-ticketing Hardware | 2-80 | | | | | **375** | | **375** |
| Indoor Firing Range | 2-81 | | | | **150** | | | **150** |
| Active Shooter Response Training Facility | 2-82 | | | | **150** | | | **150** |
| Vehicle Inspections - Weigh Scale | 2-83 | | | | | | **250** | **250** |
| Police Vehicle Operations - Facility | 2-84 | | | **1,800** | **1,200** | | | **3,000** |
| ***Total Police Response*** | | **2,966** | **4,990** | **5,047** | **3,034** | **2,655** | **2,098** | **20,790** |
| **Fire and Rescue Response** | | | | | | | | |
| ***Fire Paramedic Service*** | | | | | | | | |
| Facility Optimization - St. Boniface Industrial Area and Windsor Park Station Consolidation | 2-85 | | | **13,439** | | | | **13,439** |
| Facility Optimization - Waverley West Station | 2-86 | **1,192** | | | **10,927** | | | **12,119** |
| Station Capital Maintenance | 2-89 | **4,581** | **1,371** | **101** | **601** | **651** | **481** | **7,786** |
| ***Total Fire and Rescue Response*** | | **5,773** | **1,371** | **13,540** | **11,528** | **651** | **481** | **33,344** |

| CAPITAL PROJECT SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **Medical Response** | | | | | | | | |
| ***Fire Paramedic Service*** | | | | | | | | |
| Equipment Obsolescence | 2-87 | **5,232** | **1,043** | **3,852** | **841** | **1,017** | **1,138** | **13,123** |
| Emergency Medical Services (EMS) Training Equipment | 2-91 | **107** | | | | | | **107** |
| ***Total Medical Response*** | | **5,339** | **1,043** | **3,852** | **841** | **1,017** | **1,138** | **13,230** |
| **Recreation** | | | | | | | | |
| ***Community Services*** | | | | | | | | |
| Recreational Facility Safety, Security and Accessibility Improvements Program | 2-48 | | **235** | **130** | **150** | **279** | **190** | **984** |
| Fitness Equipment Upgrade Program | 2-49 | **285** | **300** | **295** | **310** | **320** | **330** | **1,840** |
| St. James Civic Centre - Facility Renewal (formerly St. James Civic Centre - Facility Renewal and Expansion) - First charge against the 2020 Capital Budget of up to $3.7 million (Council October 24, 2019) | 2-50 | **3,700** | | | | | | **3,700** |
| St. James Community Recreation Amenities | 2-51 | **1,400** | | | | | | **1,400** |
| East of the Red RecPlex | 2-52 | | | | | | **1,000** | **1,000** |
| Repair and Renovation of Pan Am Pool Universal Change Rooms | 2-53 | | **940** | | | | | **940** |
| Boni-Vital Pool | 2-54 | | **5,360** | | | | | **5,360** |
| Technology Advancement Program | 2-55 | | **100** | | | **310** | | **410** |
| Community Centre Renovation Grant Program (CCRGP) | 2-56 | **2,000** | **2,000** | **2,000** | **2,000** | **965** | **965** | **9,930** |
| ***Planning, Property and Development*** | | | | | | | | |
| Golf Lands Repurposing Review and Recreation Amenities (formerly Golf Course Amenities) | 2-101 | **1,000** | | | | | | **1,000** |
| ***Municipal Accommodations*** | | | | | | | | |
| Transcona Centennial Pool | 2-103 | **100** | | | | | | **100** |
| ***Total Recreation*** | | **8,485** | **8,935** | **2,425** | **2,460** | **1,874** | **2,485** | **26,664** |

**Appendix 1**

| CAPITAL PROJECT SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **Parks and Urban Forestry** | | | | | | | | |
| ***Public Works*** | | | | | | | | |
| Reforestation - Improvements | 2-37 | **383** | **383** | **383** | **383** | **383** | **383** | **2,298** |
| Regional Parks | 2-38 | | **1,175** | | **1,464** | | | **2,639** |
| Parks Buildings | 2-39 | | **3,020** | | | | | **3,020** |
| Parks and Recreation Enhancement Program | 2-40 | **2,553** | **2,100** | **1,890** | **1,731** | **300** | **300** | **8,874** |
| Rainbow Stage | 2-42 | | **1,500** | **1,500** | | | | **3,000** |
| Urban Forest Enhancement Program | 2-43 | **6,159** | **5,800** | **5,800** | **5,800** | **1,362** | **3,630** | **28,551** |
| ***Planning, Property and Development*** | | | | | | | | |
| Developer Payback | 2-98 | | **137** | **100** | | | | **237** |
| ***Total Parks and Urban Forestry*** | | **9,095** | **14,115** | **9,673** | **9,378** | **2,045** | **4,313** | **48,619** |
| **Libraries** | | | | | | | | |
| ***Community Services*** | | | | | | | | |
| Library Facility Safety, Security and Accessibility Improvements Program | 2-44 | | **150** | **100** | | **200** | | **450** |
| Library Refurbishment & Interior Infrastructure Program | 2-45 | | **150** | | | **650** | | **800** |
| Library Technology Upgrade and Replacement Program | 2-46 | **183** | | | **325** | | **350** | **858** |
| West Kildonan GoLibrary | 2-47 | **242** | | | | | | **242** |
| Millennium Library Community Connections Space | 2-59 | **236** | | | | | | **236** |
| ***Total Libraries*** | | **661** | **300** | **100** | **325** | **850** | **350** | **2,586** |
| **Arts, Entertainment and Culture** | | | | | | | | |
| ***Community Services*** | | | | | | | | |
| Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability | 2-58 | **4,600** | **2,000** | **2,000** | **2,000** | **2,000** | **2,000** | **14,600** |
| ***Planning, Property and Development*** | | | | | | | | |
| Public Art Strategy | 2-97 | **200** | | | | | | **200** |
| ***Total Arts, Entertainment and Culture*** | | **4,800** | **2,000** | **2,000** | **2,000** | **2,000** | **2,000** | **14,800** |
| **TOTAL PROTECTION, COMMUNITY SERVICES AND PARKS / WINNIPEG POLICE BOARD** | | **37,119** | **32,754** | **36,637** | **29,566** | **11,092** | **12,865** | **160,033** |

| CAPITAL PROJECT SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | BUDGET | FORECAST | | | | | 6 YEAR |
| | | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | TOTAL |
| **INNOVATION AND ECONOMIC DEVELOPMENT** | | | | | | | | |
| **Fleet Management Agency (SOA)** | | | | | | | | |
| ***Winnipeg Fleet Management Agency*** | | | | | | | | |
| Shop Tools & Equipment Upgrades | 2-201 | **255** | **265** | **245** | **255** | **255** | **255** | **1,530** |
| Power Tools | 2-202 | **125** | **125** | **125** | **125** | **125** | **125** | **750** |
| Fuel Site Upgrades and Improvements | 2-203 | **200** | **200** | **200** | **200** | **200** | **200** | **1,200** |
| Building Renovations | 2-204 | **214** | **160** | **225** | **190** | **197** | **197** | **1,183** |
| Fleet Asset Acquisitions | 2-205 | **15,178** | **15,670** | **15,670** | **15,670** | **15,670** | **15,670** | **93,528** |
| Fleet Software Application | 2-206 | | **929** | | | | | **929** |
| ***Total Fleet Management Agency (SOA)*** | | **15,972** | **17,349** | **16,465** | **16,440** | **16,447** | **16,447** | **99,120** |
| **Parking Authority (SOA)** | | | | | | | | |
| ***Winnipeg Parking Authority*** | | | | | | | | |
| Automated License Plate Recognition (ALPR) Program | 2-207 | **178** | **126** | **172** | **137** | **238** | **149** | **1,000** |
| Parking Access & Revenue Control System | 2-208 | **373** | | | | | | **373** |
| Enhanced Security - Millennium Library Parkade | 2-209 | **100** | | | | | | **100** |
| ***Total Parking Authority (SOA)*** | | **651** | **126** | **172** | **137** | **238** | **149** | **1,473** |
| **Innovation, Transformation and Technology** | | | | | | | | |
| ***Innovation, Transformation and Technology*** | | | | | | | | |
| Innovation Strategy | 2-113 | **1,360** | **750** | **500** | **250** | | | **2,860** |
| Smart Cities Innovation Program | 2-115 | **1,000** | **750** | **500** | **250** | | | **2,500** |
| Enterprise Computing Initiatives | 2-117 | **1,962** | **2,091** | **1,172** | **1,103** | **574** | **1,956** | **8,858** |
| Communications Network Infrastructure | 2-118 | **385** | **395** | **1,184** | **923** | **476** | **447** | **3,810** |
| Printing Graphics & Mail Services Asset Renewal | 2-119 | | **350** | | | | | **350** |
| Information Security Initiatives | 2-120 | **136** | **194** | **140** | **144** | **199** | **776** | **1,589** |
| Microsoft Office License Evergreen | 2-121 | **711** | | **633** | | **802** | | **2,146** |
| Enterprise Content Management | 2-122 | **1,100** | | | | | | **1,100** |
| Microsoft Development Network Software Renewal | 2-123 | | | **231** | | | **253** | **484** |
| Geographic Information System Aerial Image Renewal Program | 2-124 | | **161** | | | | **187** | **348** |
| Corporate VoIP Phone System | 2-125 | | **160** | | | | | **160** |
| Intake Program | 2-126 | **122** | **100** | **100** | **100** | **100** | | **522** |
| ***Total Innovation, Transformation and Technology*** | | **6,776** | **4,951** | **4,460** | **2,770** | **2,151** | **3,619** | **24,727** |
| **TOTAL INNOVATION AND ECONOMIC DEVELOPMENT** | | **23,399** | **22,426** | **21,097** | **19,347** | **18,836** | **20,215** | **125,320** |

| CAPITAL PROJECT SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2020 | FORECAST 2021 | 2022 | 2023 | 2024 | 2025 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **EXECUTIVE POLICY** | | | | | | | | |
| **Assessment, Taxation and Corporate** | | | | | | | | |
| ***Assessment and Taxation*** | | | | | | | | |
| Assessment Automation | 2-128 | | 237 | 312 | | 250 | 312 | 1,111 |
| ***Total Assessment, Taxation and Corporate*** | | | 237 | 312 | | 250 | 312 | 1,111 |
| **Contact Centre - 311** | | | | | | | | |
| ***Customer Service and Communications*** | | | | | | | | |
| 311 Renewal | 2-127 | 122 | 100 | | 100 | | | 322 |
| ***Total Contact Centre - 311*** | | 122 | 100 | | 100 | | | 322 |
| **Council Services** | | | | | | | | |
| ***City Clerks*** | | | | | | | | |
| Election Systems | 2-111 | | 100 | 110 | | | 100 | 310 |
| Audio / Video Equipment Replacement | 2-112 | | | | 100 | | | 100 |
| ***Total Council Services*** | | | 100 | 110 | 100 | | 100 | 410 |
| **TOTAL EXECUTIVE POLICY** | | 122 | 437 | 422 | 200 | 250 | 412 | 1,843 |
| **TOTAL CAPITAL PROGRAM - SERVICE BASED VIEW** | | 369,569 | 362,334 | 362,789 | 329,567 | 337,182 | 390,817 | 2,152,258 |

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Appendix 2

# City of Winnipeg
# Cost Estimate Classification*

| Cost Estimate Class | Project Definition | Project Definition/ Design % Complete | Accuracy of Cost Estimate |
|---|---|---|---|
| Class 5 | Concept Screening, Rough Order of Magnitude Estimate | ~1% | -50% to +100% |
| Class 4 | Feasibility | ~10% | -30% to +60% |
| **Class 3** | **Preliminary Design (for Budget Authorization)** | **~30%** | **-20% to +30%** |
| Class 2 | Detailed Design in progress | ~60% | -15% to +20% |
| Class 1 | Detailed Design Documentation Complete, Pre-Tender Estimate | ~99% | -10% to +15% |
| Scalable | Project/Program scope can be adjusted to fit the Budget | N/A | N/A |

## Cost Estimate Class Descriptions

| | |
|---|---|
| Class 5 | Rough estimate prepared based on very limited information. Used to make an assessment of initial viability and for long range capital planning. |
| Class 4 | Estimates prepared based on limited information with some engineering work completed and preliminary scope determination. |
| **Class 3**** | **Estimates based on completed preliminary design documentation. This Class 3 estimate will form the basis for budget authorization and set initial control estimate against which project deliverables will be measured (i.e. on budget).** |
| Class 2 | Estimates prepared in progressive detail from a Class 3 and are used to establish a contract value against which decisions can be made to revise the scope of the project and manage risk at a specific milestone in the design development. |
| Class 1 | Pre-tender estimates prepared based on completed detailed design documentation (i.e. drawings, plans, specifications, etc.) as well as complete project delivery plans. |
| Scalable | Scalable projects/programs will be sized according to the final budget authorization. |

* Determined using the AACE International, Recommended Practices 17R-97, 18R-97, 56R-08, 97R-18 & 98R-18

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# Public Private Partnership Payments as a Percentage of Cash to Capital / Gas Tax

| (In thousands of dollars) | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|
| **Tax Supported Public Private Partnership Payments:** | | | | | | | |
| 1 Charleswood Bridge | $ 1,478 | $ 1,478 | $ 1,478 | $ 1,478 | $ 1,478 | $ 1,478 | |
| 2 Disraeli Bridge and Overpass Facility | 14,780 | 13,117 | 13,170 | 13,225 | 13,325 | 13,337 | 13,395 |
| 3 Chief Peguis Trail - Henderson to Lagimodiere | 7,263 | 7,293 | 7,337 | 7,382 | 7,429 | 7,476 | 7,525 |
| 4 East District Police Station | 1,056 | 1,056 | 1,056 | 1,056 | 1,089 | 1,155 | 1,155 |
| **Total Public Private Partnership Payments** | **$ 24,577** | **$ 22,944** | **$ 23,041** | **$ 23,141** | **$ 23,321** | **$ 23,446** | **$ 22,075** |
| **Financing Sources:** | | | | | | | |
| 1 Cash to Capital | $ 21,260 | $ 22,721 | $ 22,889 | $ 21,408 | $ 21,500 | $ 20,000 | $ 20,000 |
| 2 Federal Gas Tax | 58,682 | 53,958 | 52,889 | 49,988 | 50,415 | 48,440 | 48,420 |
| **Total Cash to Capital and Gas Tax** | **$ 79,942** | **$ 76,679** | **$ 75,778** | **$ 71,396** | **$ 71,915** | **$ 68,440** | **$ 68,420** |
| **Payments as a Percentage of Cash to Capital and Gas Tax** | **30.74%** | **29.92%** | **30.41%** | **32.41%** | **32.43%** | **34.26%** | **32.26%** |

Notes:

1. Public Private Partnership Payments include annual service/financing payments and debt servicing payments.

2. On December 15, 2009, Council adopted that the annual lease/service payments and debt servicing costs for tax supported public private partnerships be funded annually up to a maximum of 30% of the cash to capital contribution and the federal gas tax. Except for 2020, the 30% tax supported limit has been exceeded. This is attributable to the reductions to cash to capital, which decrease the base for the calculation. No further public private partnerships will be authorized until payments fall within the 30% limit.

3 The "Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass" capital project was approved by Council on June 25, 2014. As this is a Utility and Other project, it does not impact this Public Private Partnership Payments calculation.

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Appendix 4

# Transfers from Other Capital Accounts / Surplus Capital

| Source (From) | | Capital Project (To) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|
| | ($000's) | | ($000's) | | | | | |
| **TAX SUPPORTED, TRANSIT AND MUNICIPAL ACCOMMODATIONS** | | | | | | | | |
| Corporate | | | | | | | | |
| Corporate Non-Specified Capital Account | 3,675 | Pedestrian and Cycling Program | 1,807 | | | | | |
| | | Urban Forest Enhancement Program | 1,868 | | | | | |
| Public Works | | | | | | | | |
| 2011 New Regional Sidewalks | 27 | Pedestrian and Cycling Program | 128 | | | | | |
| 2011 Active Transportation Corridor | 101 | | | | | | | |
| | 128 | | | | | | | |
| 2016 Land Acquisition - Transportation Right of Way | 230 | Land Acquisition - Transportation Right of Way | 230 | | | | | |
| Regional and Local Street Renewal - Prior Year Surplus | 2,000 | Regional and Local Street Renewal | 2,000 | | | | | |
| Community Services | | | | | | | | |
| 2017 Library Facility - New South Winnipeg | 116 | Library Facility Safety, Security and Accessibility Improvements Program | | | | | 200 | |
| 2019 Library Facility Redevelopment - West Kildonan Library and GoLibrary - Old Kildonan Community | 242 | Library Refurbishment & Interior Infrastructure Program | | | | | 351 | |
| 2019 Grant Park Recreation Campus | 1,546 | Library Technology Upgrade and Replacement Program | 116 | | | | | |
| | | Recreational Facility Safety, Security and Accessibility Improvements | | 112 | 130 | | 171 | |
| | | Fitness Equipment Upgrade | | | | 132 | 65 | |
| | | Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability | | | | 317 | 310 | |
| | 1,904 | | | | | | | |
| Property Planning and Development | | | | | | | | |
| 2017 Riverbank Greenway Programs | 95 | Riverbank Stabilization - Physical Asset Protection | 1,641 | | | | | |
| 2016 Riverbank Stabilization - Physical Asset Protection | 1,546 | | | | | | | |
| | 1,641 | | | | | | | |
| Municipal Accommodations | | | | | | | | |
| 2013 Transcona Centennial Pool | 100 | Transcona Centennial Pool | 100 | | | | | |
| City Clerks | | Innovation, Tranformation and Technology | | | | | | |
| 2016 - 2018 Innovation Capital Fund | 360 | Innovation Strategy | 360 | | | | | |
| Innovation, Transformation and Technology | | | | | | | | |
| 2015 - 2018 Enterprise Content Management | 1,522 | Enterprise Computing Initiatives | | | | | | 775 |
| 2016 - 2019 Enterprise Computing Initiatives | 937 | Communication Network Infrastructure | | 94 | 998 | 680 | | 447 |
| 2019 Tait Radio Replacement | 1,602 | Printing Graphics & Mail Services Asset Renewal | | 350 | | | | |
| 2018 - 2019 Innovation Strategy | 1,382 | Information Security Initiatives | | 194 | 140 | 144 | 199 | 776 |
| 2017 - 2019 PeopleSoft Enhancements | 984 | Microsoft Office License Evergreen | | | 633 | | 559 | |
| 2019 E-mail Archiving | 453 | Microsoft Development Network Software Renewal | | | 231 | | | 253 |
| 2019 Information Security | 340 | Geographic Information System Aerial Imagery Renewal Program | | 161 | | | | 187 |
| 2019 CSB Facilities | 173 | Corporate VoIP Phone System | | 160 | | | | |
| | | Intake Program | 11 | 100 | 100 | 100 | 100 | |
| | 7,393 | | | | | | | |
| **Sub-total Tax Supported, Transit and Municipal Accommodations** | | | **8,261** | **1,171** | **2,232** | **1,373** | **1,955** | **2,438** |

## Appendix 4

# Transfers from Other Capital Accounts / Surplus Capital

| Source (From) | | Capital Project (To) | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|
| | ($000's) | | ($000's) | | | | | |
| **WATER AND WASTE UTILITIES** | | | | | | | | |
| Sewage Disposal System | | | | | | | | |
| 2016 Sewer Renewals | 1,292 | Sewer Renewals | 10,000 | | | | | |
| 2017 Sewer Renewals | 4,903 | | | | | | | |
| 2018 Sewer Renewals | 3,805 | | | | | | | |
| | 10,000 | | | | | | | |
| Water | | | | | | | | |
| 2017 Aqueduct Condition Assessment and Rehabilitation | 1,000 | Branch Aqueduct Condition Assessment and Rehabilitation (formerly Aqueduct Condition Assessment and Rehabilitation) | 1,000 | | | | | |
| 2017 Deacon Site Flood Protection | 1,825 | Deacon Site Flood Protection | 1,825 | | | | | |
| 2017 Ultraviolet Light Disinfection System Upgrade | 855 | Ultraviolet Light Disinfection System Upgrade | 855 | | | | | |
| Land Drainage | | | | | | | | |
| 2017 Flood Pumping Station Rehabilitation | 500 | Flood Pumping Station Rehabilitation | 500 | | | | | |
| **Total Water and Waste Utilities** | | | **$ 14,180** | **$ -** | **$ -** | **$ -** | **$ -** | **$ -** |
| **Total City Surplus Capital** | | | **$ 22,441** | **$ 1,171** | **$ 2,232** | **$ 1,373** | **$ 1,955** | **$ 2,438** |

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Appendix 5a

# Transfer to Capital Reconciliation

| Departments | 2019 Adopted Budget | 2020 Preliminary Budget | Variance | 2021 Forecast | 2022 Forecast | 2023 Forecast |
|---|---|---|---|---|---|---|
| Public Works | $ 5,481,000 | $ 9,334,000 | $ 3,853,000 | $ 6,045,000 | $ 4,962,000 | $ 3,748,000 |
| Community Services | 3,934,000 | 3,600,000 | (334,000) | | | 1,955,000 |
| Winnipeg Police Service | 2,900,000 | 1,625,000 | (1,275,000) | 4,990,000 | 5,047,000 | 3,034,000 |
| Fire Paramedic Service | | | - | | | |
| Planning, Property and Development | 1,120,000 | 2,406,000 | 1,286,000 | 573,000 | 326,000 | 228,000 |
| City Clerks | | | - | 100,000 | 210,000 | 100,000 |
| Innovation, Transformation and Technology | | 1,660,000 | 1,660,000 | 1,190,000 | 1,358,000 | 1,346,000 |
| Customer Service and Communications | | 122,000 | 122,000 | 100,000 | | 100,000 |
| Assessment and Taxation | 530,000 | | (530,000) | 237,000 | 412,000 | |
| **Total tax supported** | **$ 13,965,000** | **$ 18,747,000** | **$ 4,782,000** | **$ 13,235,000** | **$ 12,315,000** | **$ 10,511,000** |
| Transit | 5,039,000 | 2,805,000 | (2,234,000) | 7,476,000 | 7,206,000 | 9,213,000 |
| Municipal Accommodations | 2,256,000 | 1,169,000 | (1,087,000) | 2,178,000 | 1,887,000 | 1,776,000 |
| **Total City Transfer to Capital** | **$ 21,260,000** | **$ 22,721,000** | **$ 1,461,000** | **$ 22,889,000** | **$ 21,408,000** | **$ 21,500,000** |
| Corporate - Savings from capital closure | (2,524,798) | | 2,524,798 | | | |
| **TOTAL** | **$ 18,735,202** | **$ 22,721,000** | **$ 3,985,798** | **$ 22,889,000** | **$ 21,408,000** | **$ 21,500,000** |

**Notes:**

1. Public Works transfer to capital excludes transfers to the regional and local streets reserves (2019 - $66.240 million and 2020 - $78.040 million) and transfer to capital - frontage levy of $10 million.

2. Year over year Total City Transfer to Capital change:

| | |
|---|---|
| Tax Supported: | |
| a) Transfer to capital increase | 4,782,000 |
| b) Corporate - difference in savings from capital closure | 2,524,798 |
| Total Tax Supported | 7,306,798 |
| Utility - transfer to capital year over year change: | |
| Transit | (2,234,000) |
| Municipal Accommodations | (1,087,000) |
| **Total City Transfer to Capital change** | **3,985,798** |

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# Cash to Capital Surpluses - 2019 Capital Review
# Tax Supported Summary

| | 2019 |
|---|---|
| Total for tax supported departments | |
| Balance prior to cash to capital surpluses from 2019 capital review | $ 23,795 |
| Cash to capital surpluses from 2019 capital review (see detailed list on the following pages) | 3,675,777 |
| **Total Cash to Capital Surpluses after 2019 Capital Review** | **$ 3,699,572** |
| | |
| Use of Cash to Capital Surpluses | |
| Amount to be utilized in the 2020 capital budget | 1,868,777 |
| Amount retained in Corporate non-specified capital account (see note below) | 23,795 |
| Amount to be utilized to reduce transfer to General Capital Fund | 1,807,000 |
| **Total** | **$ 3,699,572** |

Note: Amount retained in Corporate non-specified capital account may be reallocated to capital authorization(s) as required, with approval of the Chief Financial Officer, subject to the reallocation being the lesser of $100,000 or 25% of the base capital budget.

# Cash to Capital - 2019 Capital Review
# List of Project Net Surpluses Closed
# Tax Supported Departments

| Project Name | Project Year | Net Surplus |
|---|---|---|
| ***Public Works*** | | |
| CPR Yards Functional Crossing Study | 2013 | $ 3,568 |
| Chief Peguis Trail - Main Street to Route 90 | 2014 | 141,398 |
| Transportation Management Centre (TMC) | 2015 | 310,080 |
| Transportation Master Plan | 2015 | 29,256 |
| Insect Control - Replace 3 Grey Street Operations Building | 2015 | 25,410 |
| Off Leash Dog Park Master Plan | 2016 | 4,463 |
| Work Management / Asset Management Systems Study | 2017 | 759,000 |
| Kenaston Boulevard Southbound - From McGillivray To Bishop Grandin | 2017 | 750,000 |
| Boat Docks & Launches | 2017 | 150,000 |
| Disraeli Bridge and Overpass Facility | 2017 | 73,035 |
| Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard | 2017 | 60,000 |
| SMIR-Dutch Elm Disease | 2017 | 5,000 |
| Disraeli Bridge and Overpass Facility | 2018 | 484,469 |
| Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard | 2018 | 83,206 |
| SMIR-Ash Tree Ring (EAB) | 2018 | 3,687 |
| SMIR-Dutch Elm Disease | 2018 | 498 |
| MWIA (Manitoba Winnipeg Infrastructure Agreement) cash to capital investment for closed projects * | | (287,079) |
| ***Total Public Works*** | | **2,595,991** |
| ***Municipal Accommodations & Planning, Property and Development*** | | |
| Pan Am Pool - Boiler System Replacement | 2014 | 16,642 |
| Building Asset / Work Management Program | 2016 | 47,026 |
| Riverbank Greenway Programs | 2016 | 2 |
| Historic Buildings | 2017 | 128,724 |
| General Building Renovation and Refurbishing | 2017 | 125,815 |
| Downtown Enhancement Program | 2017 | 16,507 |
| Community Facilities | 2017 | 10,447 |
| MWIA (Manitoba Winnipeg Infrastructure Agreement) cash to capital investment for closed projects * | | (1,648,307) |
| ***Total Municipal Accommodations & Planning, Property and Development*** | | **(1,303,145)** |

**Appendix 5b**

# Cash to Capital - 2019 Capital Review
# List of Project Net Surpluses Closed
# Tax Supported Departments

| Project Name | Project Year | Net Surplus |
|---|---|---|
| ***Community Services*** | | |
| Library Facility Redevelopment - New Infrastructure --St. Vital | 2013 | 74,682 |
| Library Facility Redevelopment - New Infrastructure -Windsor Park | 2013 | 27,439 |
| Recreation Facility Replacement - New Infrastructure | 2014 | 2,472 |
| Library Refurbishment and Redevelopment Program - Existing Infrastructure | 2016 | 14,045 |
| Recreational Facility Safety, Security and Accessibility Improvements Program | 2016 | 12,996 |
| Library Facility Safety, Security and Accessibility Improvements Program | 2016 | 5,644 |
| Library Technology Upgrade and Replacement Program | 2016 | 3 |
| Business Application Systems | 2017 | 31,030 |
| New Library Facility - South Winnipeg Library (formerly Waverley West Library) | 2017 | 300 |
| MWIA (Manitoba Winnipeg Infrastructure Agreement) cash to capital investment for closed projects * | | (9,350) |
| ***Total Community Services*** | | **159,262** |
| ***Winnipeg Police Service*** | | |
| Police Headquarters Building Systems Safeguards | 2016 | 82,726 |
| Police Headquarters Building Systems Safeguards | 2017 | 27,595 |
| Mobile and Transient Users | 2016 | 277 |
| Computer Assisted Dispatch Upgrade | 2017 | 12 |
| ***Total Winnipeg Police Service*** | | **110,611** |
| ***Fire Paramedic Service*** | | |
| Facilities Optimization (formerly Facilities Replacement, Relocation and Enhancement Program) Standards of Coverage | 2016 | 421 |
| Facilities Optimization -Station 9 | 2017 | 464,000 |
| Facilities Optimization-Station 9 | 2018 | 550,000 |
| Station Capital Maintenance-Station 2 | 2018 | 5,039 |
| Station Capital Maintenance | 2019 | 793,000 |
| ***Total Fire Paramedic Service*** | | **1,812,461** |

# Cash to Capital - 2019 Capital Review
# List of Project Net Surpluses Closed
# Tax Supported Departments

| Project Name | Project Year | Net Surplus |
|---|---|---|
| ***Innovation, Transformation and Technology*** | | |
| Enterprise Computing Initiatives | 2016 | 29,418 |
| Communications Network Infrastructure | 2017 | 490 |
| Infrastructure Service Enhancements | 2017 | 15,673 |
| ***Total Innovation, Transformation and Technology*** | | **45,581** |
| ***Assessment and Taxation (Local Improvements)*** | | |
| Point Hebert-20.5 feet wide grass boulevard on the west side of Rue St. Joseph | 2014 | 2,000 |
| Point Hebert-Boulevard Trees on Rue Messager from Ave Tache to Rue St. Joseph | 2014 | 2,400 |
| 2015 Local Improvements - Ongoing Program | 2015 | 6,445 |
| Poplarwood Avenue / St. Mary's Road Asphaltic Concrete Lane Pavement 16 x 5 & 18 x 5 | 2015 | 360 |
| Poplarwood Avenue / St. David Road Asphaltic Concrete Lane Pavement 16 x 5 & 18 x 5 | 2015 | 1 |
| Lennox Avenue-Asphaltic Concrete Lane Pavement 16 x 5 | 2015 | 1 |
| Stanmillis Avenue Asphaltic Concrete Lane Pavement 14 x 5 | 2015 | 34,000 |
| Kitson St Asphaltic Concrete Lane Pavement 16 x 5 | 2015 | 19,045 |
| Wingham Ave Asphaltic Concrete Lane Pavement 14 x 5 | 2015 | 9,165 |
| 2017 Local Improvements - Ongoing Program | 2017 | 181,600 |
| ***Total Assessment and Taxation (Local Improvements)*** | | **255,017** |
| ***Net cash to capital surpluses from 2019 capital review - tax supported departments*** | | **$ 3,675,777** |

* From analysis undertaken for Provincial MWIA (Manitoba Winnipeg Infrastructure Agreement) reallocation, additional cash to capital required.

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Appendix 6

# Active Transportation Projects
# 2020 Preliminary Compared To 2019 Adopted Capital Budget

| | 2020 PAGE NO. | 2020 PRELIMINARY | 2019 ADOPTED | YEAR OVER YEAR CHANGE | CHANGE % |
|---|---|---|---|---|---|
| Pedestrian and Cycling Program | 2-1 | 3,622 | 3,024 | | |
| Other Roads/Bridges Projects | | | 2,500 | | |
| Developer Payback - Various Locations: | 2-6 | | | | |
| Kildare Ave Extension AT Path | | 235 | | | |
| Regional Street Renewal Program | 2-4 | | 3,750 | | |
| Local Street Renewal Program | 2-23 | 500 | 500 | | |
| **TOTAL** | | **4,357** | **9,774** | **(5,417)** | **-55%** |

Notes:

1. Total 6-year investment for Active Transportation:

| | | | |
|---|---|---|---|
| Pedestrian and Cycling | 2-1 | $ 12,048 | $ 13,389 |
| Other Roads/Bridges Projects | | | 2,500 |
| Developer Payback - Kildare Ave Extension AT Path | | 235 | |
| Regional Street Renewal | 2-4 | 7,975 | 3,750 |
| Local Street Renewal | 2-23 | 3,000 | 3,000 |
| | | $ 23,258 | $ 22,639 |

2. There may be other active transportation projects included in the 2020 Preliminary Capital Budget and 2021 - 2025 Five-year Forecast that could not be estimated at time of printing.

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# Capital Projects Funded by Federal Gas Tax

| | (In thousands of dollars) | | | | | |
|---|---|---|---|---|---|---|
| Public Works | | | | | | |
| Pedestrian and Cycling Program | 2,874 | 1,600 | 1,400 | 1,400 | 1,400 | 1,400 |
| Developer Payback - Various Locations | 9,500 | | | | | |
| Transportation Master Plan | 845 | 115 | 230 | | | |
| Inner-Ring Road - Functional Design | | | | | 551 | |
| Regional and Local Street Renewal | 8,314 | 7,323 | 12,000 | 1,885 | | 5,588 |
| Osborne Street Underpass | | | | | | 600 |
| Pembina Highway Overpass (Bishop Grandin) Rehabilitation | | | | 500 | 879 | 12,379 |
| St. Vital Bridge Rehabilitation | | | | 8,969 | 14,650 | |
| Lagimodiere Twin Overpasses Rehabilitation (Concordia Avenue & CPR Keewatin) | | | 639 | 1,500 | 1,500 | |
| Disraeli Bridge and Overpass Facility | 12,467 | 12,822 | 12,625 | 12,725 | 12,737 | 12,795 |
| Chief Peguis Trail - Henderson Hwy to Lagimodiere Blvd | 6,043 | 6,737 | 6,766 | 6,829 | 6,876 | 6,925 |
| Asset Management System - Various Divisions | 25 | 25 | 25 | 25 | 25 | 25 |
| Reforestation - Improvements | | | 383 | 300 | | |
| Athletic Fields - Improvements | | | | | | |
| Regional Parks | | 600 | | 1,423 | | |
| Parks Buildings | | 2,642 | | | | |
| Parks and Recreation Enhancement Program | 1,089 | 1,716 | 1,890 | 1,450 | | |
| Urban Forest Enhancement Program | 4,432 | 5,751 | 5,800 | 5,400 | 573 | 1,077 |
| Community Services | | | | | | |
| Library Facility Safety, Security and Accessibility Improvements Program | | | 100 | | | |
| Library Refurbishment & Interior Infrastructure Program | | 150 | | | 299 | |
| Library Technology Upgrade and Replacement Program | | | | 8 | | |
| West Kildonan - GoLibrary | 242 | | | | | |
| Recreational Facility Safety, Security and Accessibility Improvements Program | | 73 | | 150 | 108 | |
| Fitness Equipment Upgrade Program | 285 | 300 | 295 | 178 | 255 | 4 |
| St. James Civic Centre - Facilities Renewal | 1,400 | | | | | |
| Repair and Renovation of Pan Am Pool Universal Change Rooms | | 940 | | | | |
| Boni-Vital Pool | | 5,360 | | | | |
| Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability | | | 1,000 | | | |
| Municipal Accommodations | | | | | | |
| Health/Life Safety/Emergency Systems Refurbishment/City-Wide Accessibility | | | 100 | 646 | 960 | |
| Transit | | | | | | |
| Transit Buses | 6,442 | 6,735 | 6,735 | 7,027 | 7,627 | 7,627 |
| **Total Projects Financed by Federal Gas Tax** | **53,958** | **52,889** | **49,988** | **50,415** | **48,440** | **48,420** |
| **Federal Gas Tax Funding*** | **44,396** | **46,414** | **46,414** | **48,432** | **48,432** | **48,432** |
| **Annual Variance** | **9,562** | **6,475** | **3,574** | **1,983** | **8** | **(12)** |
| **Total Variance**** | **21,590** | | | | | |

* Amounts in 2020 - 2023 are based on the Federal Gas Tax Funding (GTF) Allocation - 5 Year Period letter from the Province dated December 27, 2018 outlining funding from 2019 - 2023. Funding for 2024 and 2025 was submitted consistent with 2023 funding levels.

** On July 9, 2019 the City received notification from the Province of Manitoba of a one-time top-up transfer of $44.09 million in Federal Gas Tax funds. $22.5 million was allocated to 2019 projects. The remaining $21.590 million was allocated to projects in the 2020 Capital Budget and Five Year Forecast.

# Major Capital Projects

On October 28, 2015 Council concurred in the recommendation of the Executive Policy Committee and adopted the following:

- That an adjustment to the dollar value for the definition of a Major Capital Project for reporting to the Standing Policy Committee on Finance be approved from $10 million to $20 million to reflect construction inflation since Council originally adopted the policy in 1999.
- That the threshold for Major Capital Project reporting to the Standing Policy Committee on Finance be automatically revised annually for construction inflation and disclosed in the Annual Capital Budget put forward to Council for adoption.
- That the adjusted dollar value for reporting to Standing Policy Committee on Finance be applied on a prospective basis. Projects currently reporting that are under the revised threshold will continue reporting until the project is completed.

| Year | Threshold (in millions) | Construction Inflation* | Revised Threshold after Inflation (in millions) |
|---|---|---|---|
| 2017 | $21.7 | 5% | $22.7 |
| 2018 | $22.7 | 3% | $23.4 |
| 2019 | $23.4 | 3% | $24.1 |

*Forecasted construction inflation is used to prepare the threshold for the following year.

Thus, for 2020, projects $24 million or greater are required to form a Major Capital Projects Advisory Committee within 180 calendar days of project authorization and begin reporting financial status to the Standing Policy Committee (SPC) on Finance. Reporting is to be done on a quarterly basis, unless otherwise directed by SPC Finance, until the project is complete. The SPC Finance may, at its discretion, request projects below this threshold to report to the Committee.

Listing of Major Capital Projects previously approved and active for 2020:

1) Automatic Fare Collection System
2) North End Sewage Treatment Plant (NEWPCC) Biological Nutrient Removal Upgrade
3) South End Sewage Treatment Plant (SEWPCC) Upgrading and Expansion
4) Southwest Rapid Transitway (Stage 2) / Pembina Highway Underpass
5) Expansion of Transit Vehicle Overhaul and Maintenance Facilities
6) Water Supervisory Control and Data Acquisition (SCADA) Upgrade and Expansion
7) Waverley Street at CN Mainline (Rivers) Grade Separation
8) North District Police Station (NDPS) & Archival and Exhibit Building
9) Fermor Avenue Bridge (Seine River), Underpass and Roadworks
10) Empress Street – Portage Avenue to St. Matthews Avenue, Pavement Renewals, Overpass Rehabilitation and Associated Works