Winnipeg

# 2015

# Preliminary Budget

## Capital Project Detail

## Volume 3




# City of Winnipeg

# 2015
# Preliminary Budget
## Capital Project Detail
## Volume 3

WINNIPEG, MANITOBA, CANADA

*To view copies of this document, please contact:*

*The City of Winnipeg*
*Winnipeg, Manitoba*
*R3B 1B9*

*Telephone Number: 311*

*Toll Free : 1-877-311-4WPG(4974)*

*City of Winnipeg website: www.winnipeg.ca*

# Table of Contents


**Capital Projects Summary** ..... **Section 1**

**Capital Projects Detail** ..... **Section 2**

**Appendices** ..... **Section 3**

Appendix 1: Service Based View ..... 3-1

Appendix 2: Cost Estimation Classification System ..... 3-14

Appendix 3: Public Private Partnership Payments as a Percentage Of Cash to Capital / Gas Tax ..... 3-15

Appendix 4: Transfers from Other Capital Accounts / Surplus Capital ..... 3-16

Appendix 5: 5A. Transfer to Capital Reconciliation ..... 3-17

5B. Variances Net of Transfer to Capital/Reserves ..... 3-18

5C. Cash to Capital Surpluses - 2014 Capital Closing Review ..... 3-19

Appendix 6: Regional and Local Streets Renewal ..... 3-23

Appendix 7: Funding Plan for Southwest Transitway (Stage 2) / Pembina Underpass ..... 3-26

Appendix 8: Major Capital Projects ..... 3-29

Back to Table of Contents

**The City of Winnipeg**

# CAPITAL PROJECTS SUMMARY

## 2015
## Preliminary Capital Budget

and

## 2016 to 2020
## 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. In the attached Capital Projects Listing, tax supported capital projects are financed by cash to capital unless another funding source is disclosed for the project. In addition, Manitoba Winnipeg Infrastructure Agreement funding amounts are not all allocated to individual capital projects. This unallocated provincial funding will offset cash to capital requirements in project budgets.

3. The Public Service uses a cost estimate classification system based on the Association for the Advancement of Cost Engineering (AACE) International Recommended Practices for capital budget estimates - see Appendix 2.

# Table of Contents

**Summary of Capital Program ..... 1-1**

**Summary of Financing Sources ..... 1-2**

**Tax Supported**

Public Works ..... 1-5

Community Services ..... 1-9

Winnipeg Police Service ..... 1-11

Fire Paramedic Service ..... 1-12

Planning, Property and Development ..... 1-12

Municipal Accommodations ..... 1-13

City Clerks ..... 1-15

Corporate Support Services ..... 1-15

Assessment and Taxation ..... 1-16

Other Projects ..... 1-16

Transit ..... 1-16

Water and Waste ..... 1-17

**Utilities**

Waterworks System ..... 1-18

Sewage Disposal System ..... 1-20

Solid Waste Disposal System ..... 1-22

**Special Operating Agencies**

Winnipeg Golf Services ..... 1-22

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PRELIMINARY CAPITAL | | | | | | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|
| | BUDGET | FORECAST | | | | | |
| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2015-2020 |
| **SUMMARY OF CAPITAL PROGRAM** | | | | | | | |
| Public Works | **134,659** | **138,760** | **145,925** | **156,796** | **150,027** | **160,334** | **886,501** |
| Water and Waste | **5,595** | **5,558** | **6,050** | **5,650** | **4,650** | **4,650** | **32,153** |
| Community Services and Community Incentive Grants | **20,909** | **16,319** | **15,903** | **16,960** | **18,256** | **6,870** | **95,217** |
| Winnipeg Police Service | **7,186** | **9,068** | **22,188** | **5,872** | **4,467** | **9,420** | **58,201** |
| Fire Paramedic Service | **5,293** | **12,719** | **9,060** | **6,292** | **7,609** | **11,034** | **52,007** |
| Planning, Property and Development | **5,680** | **5,850** | **5,933** | **5,768** | **7,534** | **3,856** | **34,621** |
| City Clerks | **1,750** | **750** | **1,100** | **450** | | | **4,050** |
| Corporate Support Services | **3,241** | **3,668** | **4,043** | **2,996** | **1,651** | **2,319** | **17,918** |
| Assessment and Taxation | **3,750** | **3,000** | **3,870** | **3,320** | **3,350** | **3,200** | **20,490** |
| Other Projects | **300** | | | | | | **300** |
| **Sub-Total Tax Supported General** | **188,363** | **195,692** | **214,072** | **204,104** | **197,544** | **201,683** | **1,201,458** |
| Municipal Accommodations | **14,866** | **8,821** | **9,635** | **10,077** | **9,889** | **8,878** | **62,166** |
| Transit | **27,436** | **35,297** | **28,825** | **30,395** | **39,956** | **35,818** | **197,727** |
| **Total Including Transit and Municipal Accommodations** | **230,665** | **239,810** | **252,532** | **244,576** | **247,389** | **246,379** | **1,461,351** |
| **UTILITIES** | | | | | | | |
| Waterworks System | **64,184** | **47,956** | **22,900** | **25,950** | **19,805** | **22,775** | **203,570** |
| Sewage Disposal System | **261,801** | **660,713** | **93,099** | **69,119** | **48,975** | **70,118** | **1,203,825** |
| Solid Waste Disposal System | **3,850** | **5,200** | **7,250** | **4,000** | **2,950** | **3,350** | **26,600** |
| **Total Utilities** | **329,835** | **713,869** | **123,249** | **99,069** | **71,730** | **96,243** | **1,433,995** |
| **SPECIAL OPERATING AGENCIES** | | | | | | | |
| Winnipeg Golf Services | | | | | | | |
| **Total Special Operating Agencies** | | | | | | | |
| **TOTAL CAPITAL PROGRAM** | **560,500** | **953,679** | **375,781** | **343,645** | **319,119** | **342,622** | **2,895,346** |

| *CAPITAL PROJECTS SUMMARY* *(in Thousands of $)* | PRELIMINARY CAPITAL | | | | | | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|
| | BUDGET | FORECAST | | | | | |
| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2015-2020 |
| **SUMMARY OF FINANCING SOURCES** | | | | | | | |
| Cash to Capital | 81,978 | 88,478 | 90,478 | 92,978 | 93,478 | 95,478 | 542,868 |
| Public Private Partnership Annual Service / Financing Payments | (28,053) | (28,018) | (27,978) | (27,970) | (24,704) | (45,099) | (181,822) |
| Reserves: | | | | | | | |
| - Transit Bus Replacement | 5,660 | 7,858 | 8,994 | 9,335 | 9,346 | 9,565 | 50,758 |
| - Southwest Transitway (Stage 2) and Pembina Highway Underpass Payment | | | | | | 22,050 | 22,050 |
| - Watermain Renewal | 17,000 | 18,000 | 18,500 | 18,500 | 19,000 | 19,500 | 110,500 |
| - Sewer System Rehabilitation | 26,400 | 16,900 | 17,800 | 18,200 | 19,500 | 20,500 | 119,300 |
| - Environmental Projects | 7,834 | 16,248 | 34,232 | 44,648 | 21,300 | 22,618 | 146,880 |
| - Land Operating | 965 | 20,382 | 965 | 965 | 965 | 965 | 25,207 |
| - Contributions in Lieu of Land Dedication | 118 | | | | | | 118 |
| - Commitment | 402 | | | | | | 402 |
| - Computer Replacement | | 1,061 | 306 | | 315 | 37 | 1,719 |
| - Local Street Renewal | 12,663 | 17,415 | 22,315 | 27,215 | 32,115 | 37,015 | 148,738 |
| - Regional Street Renewal | 8,519 | 12,901 | 17,640 | 22,540 | 27,440 | 32,340 | 121,380 |
| - Golf Course | 23 | | | | | | 23 |
| - Economic Development Investment | 1,250 | 1,650 | 2,150 | 2,650 | 3,730 | 24 | 11,454 |
| Interim Financing (Repayment) | 380 | (19,512) | (95) | (95) | (95) | | (19,417) |
| Contributions from Other Levels of Government: | | | | | | | |
| - Federal Gas Tax | 40,886 | 41,950 | 41,950 | 43,948 | 43,948 | 43,948 | 256,630 |
| - Veterans Affairs Canada | 150 | 150 | 150 | 150 | 150 | 150 | 900 |
| - Manitoba Winnipeg Infrastructure Agreement (MWIA) / Provincial Funding for Road Improvements | 32,916 | 40,416 | 38,166 | 30,316 | 36,666 | 36,666 | 215,146 |
| - Manitoba Winnipeg Infrastructure Fund - Extension | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | | 25,000 |
| - Provincial Road Investment Fund | 9,000 | 9,000 | 9,000 | 9,000 | | | 36,000 |
| - Building Manitoba Fund | 17,840 | 17,840 | 17,840 | 17,840 | 15,040 | 10,840 | 97,240 |
| -Transfer from Prior Year Surplus - Provincial Funding for Road Improvements | 6,200 | | | | | | 6,200 |
| Other Funders: | | | | | | | |
| - Developer Funding / Developer Capacity Charges | 500 | 500 | 500 | 500 | | | 2,000 |
| - Winnipeg Library Foundation | 2,500 | | | | | | 2,500 |
| - Sponsorship / Sponsor Winnipeg | 572 | 95 | 95 | 95 | 95 | | 952 |
| Retained Earnings - Transit | 1,451 | | | | | | 1,451 |
| Retained Earnings - Utilities | 80,410 | 103,390 | 29,577 | 13,721 | 9,630 | 33,625 | 270,353 |
| Debt | 222,044 | 581,975 | 47,196 | 14,109 | 6,200 | 2,400 | 873,924 |
| Riverbank Management Committee Fund (Fund 002) | 209 | | | | | | 209 |
| Transfers from Other Capital Accounts / Surplus Capital | 5,683 | | 1,000 | | | | 6,683 |
| **TOTAL FINANCING SOURCES** | 560,500 | 953,679 | 375,781 | 343,645 | 319,119 | 342,622 | 2,895,346 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PRELIMINARY CAPITAL | | | | | | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|
| | BUDGET | FORECAST | | | | | |
| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2015-2020 |
| **FINANCING SOURCES** | | | | | | | |
| **TAX SUPPORTED** | | | | | | | |
| Cash to Capital | 82,001 | 88,478 | 90,478 | 92,978 | 93,478 | 95,478 | 542,891 |
| Public Private Partnership Annual Service / Financing Payments | (28,053) | (28,018) | (27,978) | (27,970) | (24,704) | (45,099) | (181,822) |
| Reserves: | | | | | | | |
| - Transit Bus Replacement | 5,660 | 7,858 | 8,994 | 9,335 | 9,346 | 9,565 | 50,758 |
| - Southwest Transitway (Stage 2) and Pembina Highway Underpass Payment | | | | | | 22,050 | 22,050 |
| - Economic Development Investment | 1,250 | 1,650 | 2,150 | 2,650 | 3,730 | 24 | 11,454 |
| - Land Operating | 965 | 20,382 | 965 | 965 | 965 | 965 | 25,207 |
| - Contributions in Lieu of Land Dedication | 118 | | | | | | 118 |
| - Commitment | 402 | | | | | | 402 |
| - Computer Replacement | | 1,061 | 306 | | 315 | 37 | 1,719 |
| - Local Street Renewal | 12,663 | 17,415 | 22,315 | 27,215 | 32,115 | 37,015 | 148,738 |
| - Regional Street Renewal | 8,519 | 12,901 | 17,640 | 22,540 | 27,440 | 32,340 | 121,380 |
| Interim Financing (Repayment) | 380 | (19,512) | (95) | (95) | (95) | | (19,417) |
| Contributions from Other Levels of Government: | | | | | | | |
| - Federal Gas Tax | 40,886 | 41,950 | 41,950 | 43,948 | 43,948 | 43,948 | 256,630 |
| - Veterans Affairs Canada | 150 | 150 | 150 | 150 | 150 | 150 | 900 |
| - Manitoba Winnipeg Infrastructure Agreement (MWIA) / Provincial Funding for Road Improvements | 32,916 | 40,416 | 38,166 | 30,316 | 36,666 | 36,666 | 215,146 |
| - Manitoba Winnipeg Infrastructure Fund - Extension | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | | 25,000 |
| - Provincial Road Investment Fund | 9,000 | 9,000 | 9,000 | 9,000 | | | 36,000 |
| - Building Manitoba Fund | 17,840 | 17,840 | 17,840 | 17,840 | 15,040 | 10,840 | 97,240 |
| -Transfer from Prior Year Surplus - Provincial Funding for Road Improvements | 6,200 | | | | | | 6,200 |
| Other Funders: | | | | | | | |
| - Developer Funding / Developer Capacity Charges | 500 | 500 | 500 | 500 | | | 2,000 |
| - Winnipeg Library Foundation | 2,500 | | | | | | 2,500 |
| - Sponsorship / Sponsor Winnipeg | 572 | 95 | 95 | 95 | 95 | | 952 |
| Debt | 24,553 | 22,644 | 24,056 | 10,109 | 3,900 | 2,400 | 87,662 |
| Retained Earnings - Transit | 1,451 | | | | | | 1,451 |
| Riverbank Management Committee Fund (Fund 002) | 209 | | | | | | 209 |
| Transfers from Other Capital Accounts / Surplus Capital | 4,983 | | 1,000 | | | | 5,983 |
| **Total Including Transit and Municipal Accommodations** | 230,665 | 239,810 | 252,532 | 244,576 | 247,389 | 246,379 | 1,461,351 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PRELIMINARY CAPITAL | | | | | | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|
| | BUDGET | FORECAST | | | | | |
| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2015-2020 |
| **UTILITIES** | | | | | | | |
| Reserves: | | | | | | | |
| - Sewer System Rehabilitation | **26,400** | **16,900** | **17,800** | **18,200** | **19,500** | **20,500** | **119,300** |
| - Watermain Renewal | **17,000** | **18,000** | **18,500** | **18,500** | **19,000** | **19,500** | **110,500** |
| - Environmental Projects | **7,834** | **16,248** | **34,232** | **44,648** | **21,300** | **22,618** | **146,880** |
| Retained Earnings - Utilities | **80,410** | **103,390** | **29,577** | **13,721** | **9,630** | **33,625** | **270,353** |
| Debt | **197,491** | **559,331** | **23,140** | **4,000** | **2,300** | | **786,262** |
| Transfer Prior Year Authorization - Retained Earnings | **700** | | | | | | **700** |
| **TOTAL UTILITIES** | **329,835** | **713,869** | **123,249** | **99,069** | **71,730** | **96,243** | **1,433,995** |
| **SPECIAL OPERATING AGENCIES** | | | | | | | |
| - Cash to Capital | **(23)** | | | | | | **(23)** |
| - Golf Course Reserve | **23** | | | | | | **23** |
| **TOTAL SPECIAL OPERATING AGENCIES** | | | | | | | |
| **TOTAL FINANCING SOURCES** | **560,500** | **953,679** | **375,781** | **343,645** | **319,119** | **342,622** | **2,895,346** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| **CAPITAL PROJECTS LISTING** | | | | | | | | |
| **PUBLIC WORKS** | | | | | | | | |
| ***Active Transportation Facilities*** | | | | | | | | |
| Recreational Walkways and Bicycle Paths - Various Locations | 2-1 | **1,000** | **1,300** | **1,500** | **1,500** | **1,500** | **1,500** | **8,300** |
| New Regional Sidewalks | 2-2 | **250** | **1,000** | **1,200** | **1,200** | **1,200** | **1,200** | **6,050** |
| New Non-Regional Sidewalks | 2-3 | **150** | **300** | **500** | **500** | **500** | **500** | **2,450** |
| Bicycle Corridors (formerly Active Transportation Corridors) | 2-4 | **1,000** | **1,500** | **2,000** | **2,200** | **2,200** | **2,200** | **11,100** |
| **Total Active Transportation Facilities** | | **2,400** | **4,100** | **5,200** | **5,400** | **5,400** | **5,400** | **27,900** |
| ***Regional Streets*** | | | | | | | | |
| **Street Improvements** | | | | | | | | |
| Developer Payback - Various Locations | 2-5 | **3,000** | | **12,465** | | | **16,113** | **31,578** |
| Tuxedo Yards Development - Economic Development Investment Reserve | 2-6 | **1,250** | **1,650** | **2,150** | **2,650** | **3,730** | **24** | **11,454** |
| Transportation Master Plan | 2-7 | **250** | **250** | **250** | **250** | **250** | **250** | **1,500** |
| Transportation Management Centre (TMC) | 2-8 | **2,000** | **1,000** | | | | | **3,000** |
| Traffic Signals Improvements | 2-9 | **1,030** | **1,030** | **1,030** | **1,030** | **1,030** | **150** | **5,300** |
| Traffic Signals Loops | 2-10 | **400** | **250** | **250** | **250** | **250** | **250** | **1,650** |
| Traffic Signals Gel Covers | 2-11 | **550** | | | | | | **550** |
| Traffic Engineering Improvements - Various Locations | 2-12 | **1,800** | **1,900** | **1,900** | **1,900** | **1,900** | **1,900** | **11,300** |
| Installation of Traffic Signals at the Intersection of Jefferson Avenue and Adsum Drive | 2-13 | **525** | | | | | | **525** |
| Kenaston Boulevard - Ness Avenue to Taylor Avenue | 2-14 | | **100** | **3,345** | **100** | **2,263** | **100** | **5,908** |
| Preliminary / Detailed Design for Building Canada Fund Project(s) | 2-15 | **3,000** | **2,200** | | | | | **5,200** |
| **Total Street Improvements** | | **13,805** | **8,380** | **21,390** | **6,180** | **9,423** | **18,787** | **77,965** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | PRELIMINARY CAPITAL FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| **Regional and Local Street Renewal -** First charge on 2015 Capital Budget for Nairn Avenue Overpass Traffic Mitigation Measures from the Local Street Renewal Program of up to $350,000 (Council July 16, 2014) | | | | | | | | |
| - Cash to Capital | | **16,087** | **16,852** | **19,761** | **22,787** | **24,175** | **20,198** | **119,860** |
| - Federal Gas Tax / Interest | | **11,175** | **12,029** | **12,104** | **13,886** | **17,236** | **18,936** | **85,366** |
| - Provincial Building Manitoba Fund - Roads | | **14,000** | **14,000** | **14,000** | **14,000** | **7,000** | **7,000** | **70,000** |
| - Provincial Road Investment Fund | | **9,000** | **9,000** | **9,000** | **9,000** | | | **36,000** |
| - Provincial Manitoba Winnipeg Infrastructure Fund | | **5,000** | **5,000** | **5,000** | **5,000** | **5,000** | | **25,000** |
| - Transfer from Prior Year Surplus - Provincial Funding for Road Improvements (2008, 2009 & 2010) | | **6,200** | | | | | | **6,200** |
| - Local Street Renewal Reserve | | **12,663** | **17,415** | **22,315** | **27,215** | **32,115** | **37,015** | **148,738** |
| - Regional Street Renewal Reserve | | **8,519** | **12,901** | **17,640** | **22,540** | **27,440** | **32,340** | **121,380** |
| - External Debt | | **20,176** | **6,900** | | | | | **27,076** |
| - Transfer from Prior Year Surplus - Federal Gas Tax | | **472** | | | | | | **472** |
| **Total Regional and Local Street Renewal** | 2-16 | **103,292** | **94,097** | **99,820** | **114,428** | **112,966** | **115,489** | **640,092** |
| ***Waterway Crossings and Grade Separations*** | | | | | | | | |
| Louise Bridge (Red River) | | | | | | | | |
| - Cash to Capital | | | **1,000** | | | | | **1,000** |
| - Provincial Funding for Road Improvements | | | **1,000** | | | | | **1,000** |
| Total Louise Bridge (Red River) | 2-22 | | **2,000** | | | | | **2,000** |
| CPR Yards Functional Crossing Study - between McPhillips Street and Main Street | 2-23 | | **2,000** | | | | | **2,000** |
| Fermor Avenue Bridge (Seine River) | 2-24 | | **1,000** | **1,200** | **10,100** | **6,700** | | **19,000** |
| Saskatchewan Avenue Culvert (Sturgeon Creek) | 2-25 | | **1,000** | **1,000** | **8,000** | | | **10,000** |
| Ness Avenue Culvert (Sturgeon Creek) | | | | | | | | |
| - Cash to Capital | | **1,000** | **7,000** | | | | | **8,000** |
| - Provincial Funding for Road Improvements | | **1,000** | **4,000** | | | | | **5,000** |
| Total Ness Avenue Culvert (Sturgeon Creek) | 2-26 | **2,000** | **11,000** | | | | | **13,000** |
| Saskatchewan Avenue Bridge (Omand's Creek) - First charge on 2015 Capital Budget of up to $700,000 (Council December 10, 2014) | | | | | | | | |
| - Cash to Capital | | **450** | **1,300** | | | | | **1,750** |
| - Provincial Funding for Road Improvements | | **250** | **1,000** | | | | | **1,250** |
| Total Saskatchewan Avenue Bridge (Omand's Creek) | 2-27 | **700** | **2,300** | | | | | **3,000** |
| Lyndale Drive - Retaining Wall Rehabilitation - First charge on 2015 Capital Budget of up to $500,000 (Council December 10, 2014) | | | | | | | | |
| - Cash to Capital | | **450** | **250** | **3,500** | | | | **4,200** |
| - Provincial Funding for Road Improvements | | **250** | **250** | **1,500** | | | | **2,000** |
| Total Lyndale Drive - Retaining Wall Rehabilitation | 2-28 | **700** | **500** | **5,000** | | | | **6,200** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| Osborne Street Underpass | | | | | | | | |
| - Cash to Capital | | | | | | **1,250** | | **1,250** |
| - Provincial Funding for Road Improvements | | | | | | **1,250** | | **1,250** |
| Total Osborne Street Underpass | 2-29 | | | | | **2,500** | | **2,500** |
| Dublin Avenue Bridge (Omand's Creek) | 2-30 | | | | **700** | **700** | **6,800** | **8,200** |
| Sherwin Road Bridge (Omand's Creek) | 2-31 | | | | | **700** | **2,800** | **3,500** |
| Pembina Highway Overpass (Bishop Grandin) Rehabilitation | 2-32 | | | | | | **1,000** | **1,000** |
| Waterway Crossing and Grade Separations - Annual Program | 2-33 | **3,000** | **3,000** | **3,000** | **3,000** | **3,000** | **3,000** | **18,000** |
| Disraeli Bridge and Overpass Facility - First charge on 2015 Capital Budget of up to $3.938 million (Council December 10, 2014) | | | | | | | | |
| - Cash to Capital | | **1,000** | **950** | **910** | **865** | **662** | **650** | **5,037** |
| - Federal Gas Tax | | **17,480** | **17,450** | **17,415** | **17,385** | **14,238** | **12,550** | **96,518** |
| - Public Private Partnership Annual Service / Financing Payments | | **(11,814)** | **(11,859)** | **(11,909)** | **(11,959)** | **(11,993)** | **(12,014)** | **(71,548)** |
| - Debt servicing - repayment of debt | | **(6,666)** | **(6,541)** | **(6,416)** | **(6,291)** | **(2,907)** | **(1,186)** | **(30,007)** |
| Total Disraeli Bridge and Overpass Facility | 2-34 | | | | | | | |
| Charleswood Bridge | | | | | | | | |
| - Cash to Capital | | **1,478** | **1,478** | **1,478** | **1,478** | **1,478** | **1,478** | **8,868** |
| - Public Private Partnership Lease Payments | | **(1,478)** | **(1,478)** | **(1,478)** | **(1,478)** | **(1,478)** | **(1,478)** | **(8,868)** |
| Total Charleswood Bridge | 2-36 | | | | | | | |
| **Total Waterway Crossings and Grade Separations** | | **6,400** | **22,800** | **10,200** | **21,800** | **13,600** | **13,600** | **88,400** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| ***New Transportation Facilities*** | | | | | | | | |
| Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard - First charge on 2015 Capital Budget of up to $2.042 million (Council December 10, 2014) | | | | | | | | |
| - Cash to Capital | | **690** | **785** | **860** | **950** | **1,193** | **1,250** | **5,728** |
| - Federal Gas Tax | | **6,415** | **6,365** | **6,325** | **6,280** | **6,077** | **6,065** | **37,527** |
| - Public Private Partnership Annual Service / Financing Payments | | **(6,126)** | **(6,171)** | **(6,206)** | **(6,251)** | **(6,291)** | **(6,336)** | **(37,381)** |
| - Debt servicing - repayment of debt | | **(979)** | **(979)** | **(979)** | **(979)** | **(979)** | **(979)** | **(5,874)** |
| Total Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard | 2-37 | | | | | | | |
| **Total New Transportation Facilities** | | | | | | | | |
| ***Other Streets Projects*** | | | | | | | | |
| Asset Management System - Various Divisions | 2-39 | | | **100** | **100** | **100** | **100** | **400** |
| Land Drainage Sewers - Regional / Local Streets | 2-40 | **2,500** | **1,300** | **1,300** | **1,300** | **1,300** | **300** | **8,000** |
| Land Acquisition - Transportation Right of Way | 2-41 | **300** | **300** | **300** | **300** | **300** | **300** | **1,800** |
| **Total Other Streets Projects** | | **2,800** | **1,600** | **1,700** | **1,700** | **1,700** | **700** | **10,200** |
| **TOTAL STREETS PROJECTS** | | **128,697** | **130,977** | **138,310** | **149,508** | **143,089** | **153,976** | **844,557** |
| ***Parks and Open Space*** | | | | | | | | |
| Reforestation - Improvements | 2-42 | **383** | **383** | **383** | **383** | **383** | **383** | **2,298** |
| Athletic Fields - Improvements | 2-43 | **124** | **200** | **200** | **200** | **200** | **200** | **1,124** |
| Parks - Improvements | 2-44 | **905** | **650** | **700** | **655** | **655** | **655** | **4,220** |
| Regional and Community Parks - Buildings | 2-45 | | **1,700** | **850** | **1,300** | **950** | **370** | **5,170** |
| Off Leash Dog Park Master Plan | 2-46 | | **100** | | | | | **100** |
| Hardsurface Upgrading | 2-47 | **150** | **150** | **150** | **150** | **150** | **150** | **900** |
| Parks and Recreation Enhancement Program | 2-48 | **2,800** | **3,300** | **3,300** | **3,300** | **3,300** | **3,300** | **19,300** |
| Insect Control - Replace 3 Grey Street Operations Building | 2-49 | **300** | | **732** | | | | **1,032** |
| Urban Forest Enhancement Program | | | | | | | | |
| - Cash to Capital | | | **1,300** | **1,300** | **1,300** | **1,300** | **1,300** | **6,500** |
| - Transfer from Prior Year Authorization (2014 DED Strategy) | | **1,300** | | | | | | **1,300** |
| Total Urban Forest Enhancement Program | 2-50 | **1,300** | **1,300** | **1,300** | **1,300** | **1,300** | **1,300** | **7,800** |
| **Total Parks and Open Space** | | **5,962** | **7,783** | **7,615** | **7,288** | **6,938** | **6,358** | **41,944** |
| **TOTAL PUBLIC WORKS** | | **134,659** | **138,760** | **145,925** | **156,796** | **150,027** | **160,334** | **886,501** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | PRELIMINARY CAPITAL FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| **COMMUNITY SERVICES** | | | | | | | | |
| Community Incentive Grant Program | | | | | | | | |
| - Cash to Capital | | **1,632** | **1,665** | **1,698** | **1,732** | **1,767** | **1,802** | **10,296** |
| - Transfer from Prior Year Authorization (2008 and 2009 Community Incentive Grant Program) | | **114** | | | | | | **114** |
| Total Community Incentive Grant Program | 2-51 | **1,746** | **1,665** | **1,698** | **1,732** | **1,767** | **1,802** | **10,410** |
| Library Interior Infrastructure Replacement Program | 2-52 | **100** | **200** | **300** | **306** | **312** | **318** | **1,536** |
| Library Facility Redevelopment - River Heights Library | | | | | | | | |
| - External Debt | 2-53 | **500** | **5,060** | | | | | **5,560** |
| Library Facility Redevelopment - Westwood Library | | | | | | | | |
| - External Debt | 2-54 | | | **1,468** | | | | **1,468** |
| Library Facility Redevelopment - St. James Library | | | | | | | | |
| - External Debt | 2-55 | | | | **6,492** | | | **6,492** |
| Library Refurbishment and Redevelopment Program - Existing Infrastructure | 2-56 | | **500** | **500** | **510** | **520** | **530** | **2,560** |
| Millennium Library "Maker Space" Project | 2-57 | | | | | **562** | | **562** |
| Library Refurbishment and Redevelopment Program - Existing Infrastructure: Cornish Library | | | | | | | | |
| - Cash to Capital | | **1,000** | | | | | | **1,000** |
| - Winnipeg Library Foundation | | **1,250** | | | | | | **1,250** |
| Total Library Refurbishment and Redevelopment Program - Existing Infrastructure: Cornish Library | 2-58 | **2,250** | | | | | | **2,250** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| Library Refurbishment and Redevelopment Program - Existing Infrastructure: St. John's Library | | | | | | | | |
| - Cash to Capital | | **1,000** | | | | | | **1,000** |
| - Winnipeg Library Foundation | | **1,250** | | | | | | **1,250** |
| Total Library Refurbishment and Redevelopment Program - Existing Infrastructure: St. John's Library | 2-59 | **2,250** | | | | | | **2,250** |
| Library Technology Upgrade and Replacement Program | 2-60 | **500** | **500** | **500** | **510** | **520** | **530** | **3,060** |
| Recreational Facility Safety, Security and Accessibility Improvements Program | 2-61 | **150** | **153** | **156** | **159** | **162** | **165** | **945** |
| Library Facility Safety, Security and Accessibility Improvements Program | 2-62 | **200** | **306** | **312** | **318** | **324** | **330** | **1,790** |
| Business Application Systems | 2-63 | | | **250** | **306** | **312** | | **868** |
| Recreation Equipment Program | 2-64 | **200** | | **608** | | **400** | | **1,208** |
| East Elmwood Leisure Centre Amenities and Equipment | 2-65 | **225** | **208** | | | | | **433** |
| Fitness Equipment Upgrade Program | 2-66 | | **239** | **222** | **233** | **227** | **230** | **1,151** |
| Technology Upgrade and Replacement Program | 2-67 | | | | **306** | | | **306** |
| Recreation Facility Replacement - New Infrastructure | 2-68 | | | **3,801** | | **7,062** | | **10,863** |
| Pan Am Pool | 2-69 | **1,000** | **1,400** | | | | | **2,400** |
| Community Centre Renovation Grant Program (CCRGP) - First charge on 2015 Capital Budget of $150,000 for the Transcona East End Community Club Arena Expansion Project (Council September 24, 2014) | | | | | | | | |
| - Land Operating Reserve | 2-70 | **965** | **965** | **965** | **965** | **965** | **965** | **5,790** |
| Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability - First charge on 2015 Capital Budget of up to $2.082 million (Council December 17, 2013) | 2-71 | **5,123** | **5,123** | **5,123** | **5,123** | **5,123** | **2,000** | **27,615** |
| Assiniboine Park Conservancy (APC) - Capital Development Plan - First charge on 2015 Capital Budget of up to $4.5 million (Council June 25, 2014) | 2-72 | **5,700** | | | | | | **5,700** |
| **TOTAL COMMUNITY SERVICES** | | **20,909** | **16,319** | **15,903** | **16,960** | **18,256** | **6,870** | **95,217** |

| *CAPITAL PROJECTS SUMMARY* *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | PRELIMINARY CAPITAL FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| **WINNIPEG POLICE SERVICE** | | | | | | | | |
| Trunk Radio System | 2-73 | **2,000** | **5,280** | | | | | **7,280** |
| North Station Information Technology Requirements | 2-74 | | **490** | | | | | **490** |
| Police Divisions Systems Upgrades | 2-75 | **2,986** | **1,400** | | | | | **4,386** |
| Radio Upgrade for Districts 3 and 4 | 2-76 | | **490** | | | | | **490** |
| Mobile and Transient Users | 2-77 | | **250** | | | | | **250** |
| Major Case Management System Expansion | 2-78 | | **1,158** | | | **500** | | **1,658** |
| Officer Mobile Video System | 2-79 | | | **1,000** | | | | **1,000** |
| Police Headquarters Building Systems Safeguards<br>- Transfer from Prior Year Authorization | 2-80 | **1,700** | | **1,000** | | | | **2,700** |
| Electronic Ticketing<br>- Transfer from Prior Year Authorization (2013 Communication New Phone System) | 2-81 | **500** | | | | | | **500** |
| East District Police Station - First charge on 2015 Capital Budget of up to $330,000 (Council December 10, 2014) | | | | | | | | |
| - Cash to Capital | | **990** | **990** | **990** | **1,012** | **1,056** | **1,056** | **6,094** |
| - Public Private Partnership Lease Payments | | **(990)** | **(990)** | **(990)** | **(1,012)** | **(1,056)** | **(1,056)** | **(6,094)** |
| Total East District Police Station | 2-82 | | | | | | | |
| North District Police Station<br>- External Debt | 2-83 | | | **20,188** | | | | **20,188** |
| Winnipeg Police Headquarters Redevelopment | | | | | | | | |
| - Interim Financing from General Capital Fund (Repayment) | | | **(18,967)** | | | | | **(18,967)** |
| - Land Operating Reserve | | | **18,967** | | | | | **18,967** |
| Total Winnipeg Police Headquarters Redevelopment | 2-84 | | | | | | | |
| Building Video Surveillance Systems | 2-85 | | | | **4,160** | | | **4,160** |
| Intelligence Led Reporting (Phase 2) | 2-86 | | | | **1,050** | | | **1,050** |
| WPS Data Integration, Auditing and Quality Solution Tool | 2-87 | | | | **662** | | | **662** |
| Automated Fingerprint Identification System (AFIS) | 2-88 | | | | | **500** | | **500** |
| Technology Upgrades - Information Systems | 2-89 | | | | | **1,200** | | **1,200** |
| In Car Computing | 2-90 | | | | | **1,200** | | **1,200** |
| Bomb Unit Truck Replacement | 2-91 | | | | | **300** | | **300** |
| Fire Suppression System | 2-92 | | | | | **767** | | **767** |
| Next Generation 911 | 2-93 | | | | | | **800** | **800** |
| Communication Centre Back Up Site Upgrade | 2-94 | | | | | | **400** | **400** |
| Mobile Radio Replacement | 2-95 | | | | | | **6,400** | **6,400** |
| River Patrol Building | 2-96 | | | | | | **1,820** | **1,820** |
| **TOTAL WINNIPEG POLICE SERVICE** | | **7,186** | **9,068** | **22,188** | **5,872** | **4,467** | **9,420** | **58,201** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| **FIRE PARAMEDIC SERVICE** | | | | | | | | |
| Facilities Replacement, Relocation and Enhancement Program - First charge for the Next Generation 911 project on 2015 Capital Budget of up to $585,400 (Council September 24, 2014) | | | | | | | | |
| - Cash to Capital | | | | **1,268** | **2,008** | **4,839** | **4,169** | **12,284** |
| - External Debt | | **1,477** | **3,120** | | **1,217** | **1,500** | | **7,314** |
| Total Facilities Replacement, Relocation and Enhancement Program | 2-97 | **1,477** | **3,120** | **1,268** | **3,225** | **6,339** | **4,169** | **19,598** |
| Replacement Radio System | 2-98 | **2,000** | **4,000** | | | | | **6,000** |
| Equipment Obsolescence | 2-99 | | **445** | **3,457** | | | | **3,902** |
| 911 Call Centre Resilience | 2-100 | **735** | | **160** | **215** | | | **1,110** |
| Computer Aided Dispatch (CAD) | 2-101 | **200** | **3,852** | **2,080** | | | | **6,132** |
| Station Capital Maintenance | 2-102 | **881** | **1,302** | **2,095** | **2,852** | **1,270** | **6,865** | **15,265** |
| **TOTAL FIRE PARAMEDIC SERVICE** | | **5,293** | **12,719** | **9,060** | **6,292** | **7,609** | **11,034** | **52,007** |
| **PLANNING, PROPERTY AND DEVELOPMENT** | | | | | | | | |
| Computer Automation | 2-103 | | **200** | **120** | **144** | **133** | **119** | **716** |
| Riverbank Greenway Programs | 2-104 | **600** | **443** | **405** | **406** | **411** | **453** | **2,718** |
| Cemeteries - Improvements | | | | | | | | |
| - Cash to Capital | | **260** | **232** | **258** | **250** | **240** | **248** | **1,488** |
| - Veterans Affairs Canada | | **150** | **150** | **150** | **150** | **150** | **150** | **900** |
| Total Cemeteries - Improvements | 2-105 | **410** | **382** | **408** | **400** | **390** | **398** | **2,388** |
| Downtown Enhancement Program | 2-106 | **400** | **400** | **400** | **400** | **400** | **400** | **2,400** |
| BIZ Zones, Image Routes and Neighbourhood Main Streets | 2-108 | **400** | **400** | **400** | **400** | **400** | **400** | **2,400** |
| Public Art Strategy | 2-109 | **500** | **500** | **500** | **500** | **500** | **500** | **3,000** |
| Land Acquisition for General Unspecified Purposes | 2-110 | **150** | **150** | **300** | **240** | **228** | **274** | **1,342** |
| Developer Payback | 2-111 | | **275** | **280** | **278** | **292** | **274** | **1,399** |
| Chornick Park Improvements - Phase Two | | | | | | | | |
| - Contributions in Lieu of Land Dedication Reserve | | **118** | | | | | | **118** |
| - Commitment Reserve | | **402** | | | | | | **402** |
| Total Chornick Park Improvements - Phase Two | 2-112 | **520** | | | | | | **520** |
| Riverbank Stabilization - Physical Asset Protection | | | | | | | | |
| - Cash to Capital | | **1,191** | **1,000** | **1,000** | **1,000** | **1,000** | **1,038** | **6,229** |
| - Riverbank Management Committee Fund (Fund 002) | | **209** | | | | | | **209** |
| Total Riverbank Stabilization - Physical Asset Protection | 2-113 | **1,400** | **1,000** | **1,000** | **1,000** | **1,000** | **1,038** | **6,438** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| Building Communities Initiative II, Phase Two | | | | | | | | |
| - Cash to Capital | | **650** | | | | | | **650** |
| - Manitoba Winnipeg Infrastructure Agreement (MWIA) | | **650** | | | | | | **650** |
| Total Building Communities Initiative II, Phase Two | 2-115 | **1,300** | | | | | | **1,300** |
| Building Communities Initiative III | | | | | | | | |
| - Cash to Capital | | | **1,050** | **1,060** | **1,000** | **1,890** | | **5,000** |
| - Manitoba Winnipeg Infrastructure Agreement (MWIA) | | | **1,050** | **1,060** | **1,000** | **1,890** | | **5,000** |
| Total Building Communities Initiative III | 2-116 | | **2,100** | **2,120** | **2,000** | **3,780** | | **10,000** |
| **TOTAL PLANNING, PROPERTY AND DEVELOPMENT** | | **5,680** | **5,850** | **5,933** | **5,768** | **7,534** | **3,856** | **34,621** |
| **MUNICIPAL ACCOMMODATIONS** | | | | | | | | |
| General Building Renovation and Refurbishing | 2-117 | | **125** | **500** | **500** | **500** | **500** | **2,125** |
| Accommodation Facilities | 2-118 | **1,550** | | **951** | **1,994** | **1,863** | **1,889** | **8,247** |
| St. Vital Library - Building System Refurbishment | 2-119 | **850** | | | | | | **850** |
| Millennium Library - HVAC and Temperature Control Improvements | 2-120 | **200** | **1,239** | | | | | **1,439** |
| Fire / Life Safety / Regulatory Upgrades | 2-121 | **275** | | **710** | **720** | **759** | **708** | **3,172** |
| Energy Conservation | 2-122 | **100** | **100** | **150** | **140** | **158** | **130** | **778** |
| Tenant Improvement Prepayment - Major Department | 2-123 | **200** | **200** | **180** | **193** | **155** | **186** | **1,114** |
| Historic Buildings | 2-124 | **200** | **200** | **200** | **270** | **214** | **217** | **1,301** |
| Generator Set Replacement and Upgrades | 2-125 | | | **200** | **167** | **113** | **136** | **616** |
| Security / Building Automation System Initiatives | 2-126 | **225** | **140** | **188** | **201** | **196** | **190** | **1,140** |
| Community Centres - Refurbishing and Improvements | | | | | | | | |
| - Cash to Capital | | **350** | **400** | **420** | **644** | **673** | **667** | **3,154** |
| - Manitoba Winnipeg Infrastructure Agreement (MWIA) | | **350** | **300** | **200** | | | | **850** |
| Total Community Centres - Refurbishing and Improvements | 2-127 | **700** | **700** | **620** | **644** | **673** | **667** | **4,004** |
| Arenas | | | | | | | | |
| - Cash to Capital | | **463** | **300** | **100** | **525** | **525** | **565** | **2,478** |
| - Manitoba Winnipeg Infrastructure Agreement (MWIA) | | **262** | **225** | **225** | | | | **712** |
| Total Arenas | 2-128 | **725** | **525** | **325** | **525** | **525** | **565** | **3,190** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | FORECAST 2017 | FORECAST 2018 | FORECAST 2019 | FORECAST 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| Indoor Aquatic Facilities | | | | | | | | |
| - Cash to Capital | | 880 | 600 | 1,130 | 2,470 | 2,518 | 2,516 | 10,114 |
| - Manitoba Winnipeg Infrastructure Agreement (MWIA) | | 880 | 600 | 1,100 | | | | 2,580 |
| Total Indoor Aquatic Facilities | 2-129 | 1,760 | 1,200 | 2,230 | 2,470 | 2,518 | 2,516 | 12,694 |
| Pan Am Pool - Boiler System Replacement | | | | | | | | |
| - Cash to Capital | | 400 | 400 | | | | | 800 |
| - Manitoba Winnipeg Infrastructure Agreement (MWIA) | | 370 | 370 | | | | | 740 |
| Total Pan Am Pool - Boiler System Replacement | 2-130 | 770 | 770 | | | | | 1,540 |
| Pan Am Indoor Pool - Parking Lot Refurbishment | | | | | | | | |
| - Cash to Capital | | | 280 | 151 | | | | 431 |
| - Manitoba Winnipeg Infrastructure Agreement (MWIA) | | | 280 | 150 | | | | 430 |
| Total Pan Am Indoor Pool - Parking Lot Refurbishment | 2-131 | | 560 | 301 | | | | 861 |
| Seven Oaks Indoor Pool - Renewal Plan | 2-132 | 3,729 | | | | | | 3,729 |
| Outdoor Aquatic Facilities | | | | | | | | |
| - Cash to Capital | | 155 | 175 | 217 | 340 | 338 | 340 | 1,565 |
| - Manitoba Winnipeg Infrastructure Agreement (MWIA) | | 175 | 175 | 125 | | | | 475 |
| Total Outdoor Aquatic Facilities | 2-133 | 330 | 350 | 342 | 340 | 338 | 340 | 2,040 |
| Community Facilities | 2-134 | 200 | 200 | 200 | 260 | 212 | 214 | 1,286 |
| Building Asset / Work Management Program | 2-135 | 200 | 162 | 152 | 163 | 175 | 170 | 1,022 |
| UFF - Hockey Pen Light Standard Replacement | 2-136 | 100 | 100 | 100 | 100 | 100 | 100 | 600 |
| City-Wide Accessibility Program | 2-137 | 350 | 350 | 350 | 350 | 350 | 350 | 2,100 |
| St. James Civic Centre | 2-138 | | 900 | 936 | 1,040 | 1,040 | | 3,916 |
| City Hall - Building Refurbishment | 2-139 | 450 | 1,000 | 1,000 | | | | 2,450 |
| East Yard Complex Development | | | | | | | | |
| - Interim Financing from Land Operating Reserve (Repayment) | | | (450) | | | | | (450) |
| - Land Operating Reserve | | | 450 | | | | | 450 |
| Total East Yard Complex Development | 2-140 | | | | | | | |
| Sherbrook Pool Reopening | | | | | | | | |
| - Manitoba Winnipeg Infrastructure Agreement (MWIA) | | 1,000 | | | | | | 1,000 |
| - Kinsmen Club of Winnipeg (Sponsor Winnipeg) | | 572 | 95 | 95 | 95 | 95 | | 952 |
| - Interim Financing from General Capital Fund / (Repayment) | | 380 | (95) | (95) | (95) | (95) | | |
| Total Sherbrook Pool Reopening | 2-141 | 1,952 | | | | | | 1,952 |
| **TOTAL MUNICIPAL ACCOMMODATIONS** | | 14,866 | 8,821 | 9,635 | 10,077 | 9,889 | 8,878 | 62,166 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | PRELIMINARY CAPITAL FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| **CITY CLERKS** | | | | | | | | |
| Innovation Capital Fund | 2-142 | **1,000** | | | | | | **1,000** |
| Corporate Records Centre | 2-143 | | | **150** | | | | **150** |
| Election Systems | 2-144 | | | **200** | **200** | | | **400** |
| Decision Making Information System (DMIS) Replacement | 2-145 | | | | **250** | | | **250** |
| 2017 Canada Summer Games | 2-146 | **750** | **750** | **750** | | | | **2,250** |
| **TOTAL CITY CLERKS** | | **1,750** | **750** | **1,100** | **450** | | | **4,050** |
| **CORPORATE SUPPORT SERVICES** | | | | | | | | |
| PeopleSoft Upgrade | 2-147 | **200** | **500** | **1,800** | **1,000** | | | **3,500** |
| Communications Network Infrastructure | 2-148 | **275** | **125** | **375** | **630** | **315** | **355** | **2,075** |
| Enterprise Computing Initiatives | | | | | | | | |
| - Cash to Capital | | **1,115** | **585** | **844** | **801** | **539** | **1,112** | **4,996** |
| - Transfer from Computer Replacement Reserve | | | **1,061** | **306** | | **315** | **37** | **1,719** |
| Total Enterprise Computing Initiatives | 2-149 | **1,115** | **1,646** | **1,150** | **801** | **854** | **1,149** | **6,715** |
| Aerial Imagery Renewal Program | 2-150 | | **150** | | **165** | | **190** | **505** |
| Software Renewal Program | 2-151 | **70** | **157** | | | **157** | | **384** |
| Data Warehouse / Business Intelligence | | | | | | | | |
| - Cash to Capital | | | | | **150** | **175** | **175** | **500** |
| - Transfer from Prior Year Authorization (2013 and 2014 Data Warehouse / Business Intelligence) | | **218** | | | | | | **218** |
| Total Data Warehouse / Business Intelligence | 2-152 | **218** | | | **150** | **175** | **175** | **718** |
| 311 Renewal | 2-153 | **250** | **100** | **450** | **250** | **100** | **450** | **1,600** |
| Teraspan Fibre Ring Renewal | | | | | | | | |
| - Cash to Capital | | **106** | **119** | | | | | **225** |
| - Transfer from Prior Year Authorization (2014 Data Warehouse / Business Intelligence) | | **529** | | | | | | **529** |
| Total Teraspan Fibre Ring Renewal | 2-154 | **635** | **119** | | | | | **754** |
| Infrastructure Service Enhancements | 2-155 | | **150** | **50** | | **50** | | **250** |
| Enterprise Content Management (formerly Document Management) | 2-156 | **275** | | | | | | **275** |
| Candidate Gateway | 2-157 | **203** | **721** | **218** | | | | **1,142** |
| **TOTAL CORPORATE SUPPORT SERVICES** | | **3,241** | **3,668** | **4,043** | **2,996** | **1,651** | **2,319** | **17,918** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | PRELIMINARY CAPITAL FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| **ASSESSMENT AND TAXATION** | | | | | | | | |
| Assessment Automation | 2-158 | **750** | | **870** | **320** | **350** | **200** | **2,490** |
| Local Improvements - Ongoing Program | | | | | | | | |
| - Cash to Capital | | **600** | **600** | **600** | **600** | **600** | **600** | **3,600** |
| - External Debt | | **2,400** | **2,400** | **2,400** | **2,400** | **2,400** | **2,400** | **14,400** |
| Total Local Improvements - Ongoing Program | 2-159 | **3,000** | **3,000** | **3,000** | **3,000** | **3,000** | **3,000** | **18,000** |
| **TOTAL ASSESSMENT AND TAXATION** | | **3,750** | **3,000** | **3,870** | **3,320** | **3,350** | **3,200** | **20,490** |
| **OTHER PROJECTS** | | | | | | | | |
| Study for City-Wide Project Management IT Solution | 2-160 | **300** | | | | | | **300** |
| **TOTAL OTHER PROJECTS** | | **300** | | | | | | **300** |
| **TRANSIT** | | | | | | | | |
| Innovative Transit Program | 2-161 | **800** | **1,000** | **1,000** | **1,000** | **1,000** | **1,000** | **5,800** |
| Transit Building Replacement / Refurbishment - First charge on 2015 Capital Budget of up to $9.869 million (Council December 17, 2013) | | | | | | | | |
| - Cash to Capital | | **4,934** | **4,500** | **4,573** | **4,506** | **6,536** | **6,536** | **31,585** |
| - Manitoba Winnipeg Infrastructure Agreement (MWIA) | | **4,935** | | | | | | **4,935** |
| Total Transit Building Replacement / Refurbishment | 2-162 | **9,869** | **4,500** | **4,573** | **4,506** | **6,536** | **6,536** | **36,520** |
| Transit Buses | | | | | | | | |
| - Cash to Capital | | | **4,329** | **4,312** | **5,317** | **8,637** | **8,480** | **31,075** |
| - Transit Bus Replacement Reserve | | **5,660** | **7,858** | **8,994** | **9,335** | **9,346** | **9,565** | **50,758** |
| - External Debt | | | **5,164** | | | | | **5,164** |
| - Provincial Building Manitoba Fund | | **3,840** | **3,840** | **3,840** | **3,840** | **8,040** | **3,840** | **27,240** |
| - Federal Gas Tax | | **5,816** | **6,106** | **6,106** | **6,397** | **6,397** | **6,397** | **37,219** |
| - Retained Earnings | | **1,451** | | | | | | **1,451** |
| Total Transit Buses | 2-164 | **16,767** | **27,297** | **23,252** | **24,889** | **32,420** | **28,282** | **152,907** |
| Southwest Transitway (Stage 2) and Pembina Highway Underpass | | | | | | | | |
| - Southwest Transitway (Stage 2) and Pembina Highway Underpass Payment Reserve | | | | | | | **22,050** | **22,050** |
| - P3 Annual Service / Financing Payments (Province) | | | | | | | **(2,300)** | **(2,300)** |
| - P3 Annual Service / Financing Payments (City) | | | | | | | **(19,750)** | **(19,750)** |
| Total Southwest Transitway (Stage 2) and Pembina Highway Underpass | 2-165 | | | | | | | |
| Rapid Transit Planning and Design | 2-167 | | **2,500** | | | | | **2,500** |
| **TOTAL TRANSIT** | | **27,436** | **35,297** | **28,825** | **30,395** | **39,956** | **35,818** | **197,727** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | PRELIMINARY CAPITAL FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| **WATER AND WASTE - TAX SUPPORTED** | | | | | | | | |
| ***Land Drainage and Flood Control*** | | | | | | | | |
| ***Financed by Cash to Capital:*** | | | | | | | | |
| Flood Pumping Station Rehabilitation | 2-168 | **1,500** | **1,000** | **1,000** | **1,000** | **1,000** | **1,000** | **6,500** |
| Land Drainage and Combined Sewers Outfall Gate Structures | 2-169 | **1,300** | **2,400** | **2,400** | **2,000** | | | **8,100** |
| Seine River Waterway Acquisition | | | | | | | | |
| - Cash to Capital | | | **150** | **150** | **150** | **150** | **150** | **750** |
| - Transfer from Prior Year Authorization (2012 Seine River Waterway Acquisition) | | **150** | | | | | | **150** |
| Total Seine River Waterway Acquisition | 2-170 | **150** | **150** | **150** | **150** | **150** | **150** | **900** |
| Flood Manual Upgrades | 2-171 | **300** | | | | | | **300** |
| Development Agreement Paybacks | | | | | | | | |
| - Developer Capacity Charges | 2-172 | **500** | **500** | **500** | **500** | | | **2,000** |
| Outfall Rehabilitation | 2-173 | **1,200** | **1,508** | **2,000** | **2,000** | **3,500** | **3,500** | **13,708** |
| Ravelston Deep Pond Landscaping | 2-174 | **370** | | | | | | **370** |
| Oversized Land Drainage Pipe to Service Future Almey Avenue | 2-175 | **275** | | | | | | **275** |
| **Total Land Drainage and Flood Control** | | **5,595** | **5,558** | **6,050** | **5,650** | **4,650** | **4,650** | **32,153** |
| **TOTAL WATER AND WASTE - TAX SUPPORTED** | | **5,595** | **5,558** | **6,050** | **5,650** | **4,650** | **4,650** | **32,153** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | PRELIMINARY CAPITAL FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| **WATERWORKS SYSTEM** | | | | | | | | |
| ***Waterworks System - Supply and Treatment*** | | | | | | | | |
| **Financed by Waterworks Retained Earnings:** | | | | | | | | |
| Shoal Lake Aqueduct and Falcon River Diversion Bridges | 2-176 | **2,000** | | | | | | **2,000** |
| Shoal Lake Aqueduct Asset Preservation | 2-177 | **1,900** | **1,900** | **1,500** | | | | **5,300** |
| Shoal Lake Aqueduct Intake Facility Rehabilitation | 2-178 | **3,109** | **3,881** | **400** | **1,900** | | **775** | **10,065** |
| Branch Aqueduct Condition Assessment and Rehabilitation | 2-179 | **500** | | | | | **1,000** | **1,500** |
| GWWD Railway Bridge Rehabilitation | 2-180 | **1,400** | | | | | | **1,400** |
| Deacon Site Flood Protection | 2-181 | **1,825** | | | | | | **1,825** |
| Tache Booster Pumping Station | 2-182 | | | | **2,600** | | | **2,600** |
| Pumping Stations Reliability Upgrades | 2-183 | **2,050** | **650** | | | | | **2,700** |
| Pumping Stations and Reservoirs Structural Upgrades | 2-184 | **5,225** | **7,300** | | **400** | | | **12,925** |
| Chlorination Upgrading at Pumping Stations | 2-185 | **425** | **2,750** | | | | | **3,175** |
| Water Supervisory Control and Data Acquisition (SCADA) Upgrade | 2-186 | **7,600** | **3,900** | | | | | **11,500** |
| Waterworks System Security Upgrades | 2-187 | **800** | **600** | **500** | | | | **1,900** |
| Regulatory Assessment of Water System Infrastructure and Supply Sources | 2-188 | | **450** | | | | | **450** |
| Water Treatment Research and Process Optimization Facility | 2-189 | **730** | | | | | | **730** |
| Water Conservation and Efficiency Study | 2-190 | **230** | | | | | | **230** |
| Watershed and Asset Protection Considerations - First charge on 2015 Capital Budget of $1,000,000 (Council December 10, 2014) | 2-191 | **1,000** | | | | | | **1,000** |
| Water Treatment Plant Capacity Validation | 2-192 | | | | **150** | | | **150** |
| Branch 1 Aqueduct at Seine River - Riverbank Stabilization (East Side) | 2-193 | **950** | **1,450** | | | | | **2,400** |
| Study of Natural Gas Powered Backup Pumps for Hurst Pumping Station | 2-194 | | | | **400** | | | **400** |
| Deacon Reservoir Cell Rehabilitation | 2-195 | **875** | **475** | | | | | **1,350** |
| Deacon Booster Pumping Station Suction Header Divider Wall and Valve | 2-196 | **1,000** | | | | | | **1,000** |
| HVAC Upgrades at Pumping Stations | 2-197 | **4,900** | | | | | | **4,900** |
| Water Treatment Plant - Projects and Review<br>- Transfer from Prior Year Authorization - Retained Earnings | 2-198 | **700** | | | | | | **700** |
| **Total Waterworks System - Supply and Treatment** | | **37,219** | **23,356** | **2,400** | **5,450** | | **1,775** | **70,200** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | PRELIMINARY CAPITAL FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| ***Waterworks System - Distribution*** | | | | | | | | |
| **Financed by Waterworks Retained Earnings:** | | | | | | | | |
| Saskatchewan Avenue Watermain | 2-199 | | **4,600** | | | | | **4,600** |
| North Kildonan Feedermain River Crossing Replacement / Rehabilitation - First charge on 2015 Capital Budget of $2,500,000 (Council December 10, 2014) | 2-200 | **2,500** | | | | | | **2,500** |
| Feedermain Condition Assessment and Rehabilitation | 2-201 | **1,000** | **2,000** | **2,000** | **2,000** | **750** | **1,500** | **9,250** |
| Water and Waste Department GIS Enhancement Program | 2-202 | **100** | | | | | | **100** |
| Laboratory Information Management System Upgrade | 2-203 | **500** | | | | | | **500** |
| Building Renovations - 1199 Pacific Avenue | 2-204 | | | | | **55** | | **55** |
| Transcona Watermain Reliability Upgrade | 2-205 | **5,000** | | | | | | **5,000** |
| Online Distribution Water Quality Monitoring Pilot System | 2-206 | **350** | | | | | | **350** |
| Frozen Water Services Management System | 2-207 | **515** | | | | | | **515** |
| Watermain Renewals | | | | | | | | |
| - Watermain Renewal Reserve | 2-208 | **17,000** | **18,000** | **18,500** | **18,500** | **19,000** | **19,500** | **110,500** |
| **Total Waterworks System - Distribution** | | **26,965** | **24,600** | **20,500** | **20,500** | **19,805** | **21,000** | **133,370** |
| **TOTAL WATERWORKS SYSTEM (Utility Supported)** | | **64,184** | **47,956** | **22,900** | **25,950** | **19,805** | **22,775** | **203,570** |

| *CAPITAL PROJECTS SUMMARY* *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | PRELIMINARY CAPITAL FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| **SEWAGE DISPOSAL SYSTEM** | | | | | | | | |
| ***Sewage Disposal System - Treatment*** | | | | | | | | |
| **Financed by Sewage Disposal System Retained Earnings:** | | | | | | | | |
| Biosolids - Alternative Disposal Delivery and Management System | | | | | | | | |
| - Environmental Projects Reserve | | **253** | **1,818** | **2,332** | | | | **4,403** |
| - Retained Earnings | | **3,176** | **2,107** | **3,778** | | | | **9,061** |
| - External Debt | | **16,571** | **178,575** | **15,890** | | | | **211,036** |
| Total Biosolids - Alternative Disposal Delivery and Management System | 2-209 | **20,000** | **182,500** | **22,000** | | | | **224,500** |
| Wastewater System Security Upgrades | 2-210 | | | | **500** | **500** | **500** | **1,500** |
| NEWPCC - Nutrient Removal / Upgrade | | | | | | | | |
| - Retained Earnings | | **10,000** | **50,600** | | | | | **60,600** |
| - External Debt | | **90,000** | **375,556** | | | | | **465,556** |
| Total NEWPCC - Nutrient Removal / Upgrade | 2-211 | **100,000** | **426,156** | | | | | **526,156** |
| South End Water Pollution Control Centre (SEWPCC) - Nutrient Removal / Expansion | | | | | | | | |
| - External Debt | 2-212 | **88,350** | | | | | | **88,350** |
| West End Water Pollution Control Centre (WEWPCC) - Settling Improvement | 2-213 | **500** | | | | | | **500** |
| Water Pollution Control Centres (WPCC) - Distributed Control System (DCS) and Human Machine Interface (HMI) Upgrades | 2-214 | **3,000** | | | | | | **3,000** |
| WPCC - Asset Refurbishment and Replacement Project | 2-215 | **5,000** | **5,000** | **5,000** | **2,000** | **2,000** | **2,000** | **21,000** |
| WPCC - Re-roofing | 2-216 | **475** | | | | | | **475** |
| **Total Sewage Disposal System - Treatment** | | **217,325** | **613,656** | **27,000** | **2,500** | **2,500** | **2,500** | **865,481** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| ***Sewage Disposal System - Collection*** | | | | | | | | |
| **Financed by Sewage Disposal System Retained Earnings:** | | | | | | | | |
| Arc Flash Hazard Analysis and Remediation | 2-217 | **1,110** | **1,127** | **367** | | | | **2,604** |
| Lift Stations Upgrading | 2-218 | **2,000** | **2,200** | **2,332** | **2,471** | **2,620** | **2,700** | **14,323** |
| Fernbank Interceptor | 2-219 | | | | | | **8,800** | **8,800** |
| Warde Interceptor Extension - First charge on 2015 Capital Budget of $3,500,000 (Council December 10, 2014) | 2-220 | **3,500** | | | | | | **3,500** |
| Plessis Road Interceptor | 2-221 | | | **7,300** | | | | **7,300** |
| Kenaston Boulevard Interceptor | 2-222 | | | **5,300** | | | | **5,300** |
| Laboratory Information Management System Upgrade | 2-223 | **500** | | | | | | **500** |
| Building Renovations - 1199 Pacific Avenue | 2-224 | | | | | **55** | | **55** |
| Combined Sewer Overflow and Basement Flood Management Strategy | | | | | | | | |
| - Environmental Projects Reserve | | **7,581** | **14,430** | **31,900** | **44,648** | **21,300** | **22,618** | **142,477** |
| - Sewer System Rehabilitation Reserve | | **10,300** | | | | | | **10,300** |
| Total Combined Sewer Overflow and Basement Flood Management Strategy | 2-225 | **17,881** | **14,430** | **31,900** | **44,648** | **21,300** | **22,618** | **152,777** |
| Comminutor Chamber Rehabilitation Program | 2-226 | **1,750** | **1,000** | **1,100** | **1,100** | **1,200** | | **6,150** |
| 360 McPhillips Equipment Storage Facility | 2-227 | **135** | | | | | | **135** |
| Northeast Interceptor River Crossing Upgrade | 2-228 | **1,500** | **11,000** | | | | | **12,500** |
| Southwest Interceptor River Crossing | 2-229 | | | | **200** | **1,800** | **13,000** | **15,000** |
| D'Arcy Lift Station Load Shedding Upgrade | 2-230 | | **400** | | | | | **400** |
| Sewer Renewals - First charge on 2015 Capital Budget of $2,500,000 (Council December 10, 2014) | | | | | | | | |
| - Sewer System Rehabilitation Reserve | | **16,100** | **16,900** | **17,800** | **18,200** | **19,500** | **20,500** | **109,000** |
| Total Sewer Renewals | 2-231 | **16,100** | **16,900** | **17,800** | **18,200** | **19,500** | **20,500** | **109,000** |
| **Total Sewage Disposal System - Collection** | | **44,476** | **47,057** | **66,099** | **66,619** | **46,475** | **67,618** | **338,344** |
| **TOTAL SEWAGE DISPOSAL SYSTEM** | | **261,801** | **660,713** | **93,099** | **69,119** | **48,975** | **70,118** | **1,203,825** |

| ***CAPITAL PROJECTS SUMMARY***<br>*(in Thousands of $)* | PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL 2015-2020 |
|---|---|---|---|---|---|---|---|---|
| **SOLID WASTE DISPOSAL SYSTEM** | | | | | | | | |
| ***Solid Waste Disposal System - Landfill*** | | | | | | | | |
| **Financed by Solid Waste Disposal Retained Earnings:** | | | | | | | | |
| Brady Road Resource Management Facility - Cell Construction - Phase 1 (formerly Brady Road Resource Management Facility - Cell Excavation) | | | | | | | | |
| - Retained Earnings | | **550** | | | | | | **550** |
| - External Debt | | | **2,600** | **2,100** | **2,200** | **2,300** | | **9,200** |
| Total Brady Road Resource Management Facility - Cell Construction - Phase 1 | 2-232 | **550** | **2,600** | **2,100** | **2,200** | **2,300** | | **9,750** |
| Brady Road Resource Management Facility - Cell Construction - Phase 2 | 2-233 | | | | | **650** | **3,350** | **4,000** |
| Brady Road Resource Management Facility - Drainage, Roadways and Site Improvements | | | | | | | | |
| - External Debt | 2-234 | **770** | **600** | **400** | | | | **1,770** |
| Brady Road Resource Management Facility - Landfill Gas Capture Expansion - Phase 2 | | | | | | | | |
| - External Debt | 2-235 | | **1,600** | | **1,800** | | | **3,400** |
| Brady Road Resource Management Facility - Master Plan Development | 2-236 | **400** | | | | | | **400** |
| Summit Landfill Closure / Post-Closure | 2-237 | **330** | | | | | | **330** |
| **Total Solid Waste Disposal System - Landfill** | | **2,050** | **4,800** | **2,500** | **4,000** | **2,950** | **3,350** | **19,650** |
| ***Solid Waste Disposal System - Collection*** | | | | | | | | |
| **Financed by Solid Waste Disposal External Debt:** | | | | | | | | |
| Comprehensive Integrated Waste Management Strategy (CIWMS) - 4R Winnipeg Depots (Community Resource Recovery Centres) | 2-238 | **800** | **400** | **4,750** | | | | **5,950** |
| CIWMS - Material Recycling Facility | 2-239 | **1,000** | | | | | | **1,000** |
| **Total Solid Waste Disposal System - Collection** | | **1,800** | **400** | **4,750** | | | | **6,950** |
| **TOTAL SOLID WASTE DISPOSAL SYSTEM** | | **3,850** | **5,200** | **7,250** | **4,000** | **2,950** | **3,350** | **26,600** |
| ***SPECIAL OPERATING AGENCIES*** | | | | | | | | |
| **WINNIPEG GOLF SERVICES** | | | | | | | | |
| Golf Course Improvements | | | | | | | | |
| - Cash to Capital | | **(23)** | | | | | | **(23)** |
| - Golf Course Reserve | | **23** | | | | | | **23** |
| **TOTAL WINNIPEG GOLF SERVICES** | 2-240 | | | | | | | |
| **TOTAL SPECIAL OPERATING AGENCIES** | | | | | | | | |

Back to Table of Contents




**The City of Winnipeg**

# Capital Project Detail

2015
Preliminary Capital Budget

and

2016 to 2020
Five Year Forecast

# Table of Contents

## Capital Projects Listing by Department


Public Works ..... 2-1

Community Services ..... 2-51

Winnipeg Police Service ..... 2-73

Fire Paramedic Service ..... 2-97

Planning, Property and Development ..... 2-103

Municipal Accommodations ..... 2-117

City Clerks ..... 2-142

Corporate Support Services ..... 2-147

Assessment and Taxation ..... 2-158

Other Projects ..... 2-160

Transit ..... 2-161

Water and Waste ..... 2-168

Winnipeg Golf Services ..... 2-240


**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. In the attached Capital Projects Listing, tax supported capital projects are financed by cash to capital unless another funding source is disclosed for the project. In addition, Manitoba Winnipeg Infrastructure Agreement funding amounts are not all allocated to individual capital projects. This unallocated provincial funding will offset cash to capital requirements in project budgets.

3. The Public Service uses a cost estimate classification system based on the Association for the Advancement of Cost Engineering (AACE) International Recommended Practices for capital budget estimates - see Appendix 2.

Project Name: **Recreational Walkways and Bicycle Paths - Various Locations**

Department: Public Works
Project: 1832000115
Service: Roadway Construction and Maintenance
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,000 | 1,300 | 1,500 | 1,500 | 1,500 | 1,500 | 7,300 | 8,300 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,000 | 1,300 | 1,500 | 1,500 | 1,500 | 1,500 | 7,300 | 8,300 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 850 | 1,255 | 1,470 | 1,500 | 1,500 | 1,500 | 225 | 8,300 |
| Financed by: | | | | | | | | |
| Cash to Capital | 850 | 1,255 | 1,470 | 1,500 | 1,500 | 1,500 | 225 | 8,300 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 2 | 9 | 19 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,000 | 1,300 | 1,500 |
| **Total Direct Costs** | 1,002 | 1,309 | 1,519 |
| Less: Incremental Revenue/Recovery | 51 | 75 | 88 |
| **Net Cost/(Benefit)** | 951 | 1,234 | 1,431 |

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

Program for the 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. Program to consider a pedestrian and cycling monitoring strategy.

New Recreational Pathways have an expected service life of 25 years.

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

| Project | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Total |
|---|---|---|---|---|---|---|---|
| Ness Avenue Culvert (Sturgeon Creek) | | | | | | | |
| - AT path along Sturgeon Creek under the bridge. | | 1,000 | | | | | 1,000 |
| Regional Street Renewals: | | | | | | | |
| Pembina Hwy SB - Bairdmore North to Kirkbridge | | | | | | | |
| - buffered bike lanes. | 1,255 | | | | | | 1,255 |
| Sherbrook St. Ellice to Notre Dame | | | | | | | |
| - on street bike lanes. | - | | | | | | - |
| Pembina Hwy NB & SB - Grant to Osborne | | | | | | | |
| - buffered bike lanes. | | 4,000 | | | | | 4,000 |
| Empress Street - St. Matthews to Maroons | | | | | | | |
| - to be announced ** | | | ** | | | | - |
| Ellice Avenue - Arlington to Sherburn | | | | | | | |
| - to be announced ** | | | ** | | | | - |
| Corydon Avenue EB - Tuxedo to Kenaston | | | | | | | |
| - to be announced ** | | | ** | | | | - |
| | **1,255** | **5,000** | **-** | **-** | **-** | **-** | **6,255** |

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

Project Name: **New Regional Sidewalks**

Department: Public Works
Project: 1832000215

Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 250 | 1,000 | 1,200 | 1,200 | 1,200 | 1,200 | 5,800 | 6,050 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 250 | 1,000 | 1,200 | 1,200 | 1,200 | 1,200 | 5,800 | 6,050 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 213 | 887 | 1,170 | 1,200 | 1,200 | 1,200 | 180 | 6,050 |
| Financed by: | | | | | | | | |
| Cash to Capital | 213 | 887 | 1,170 | 1,200 | 1,200 | 1,200 | 180 | 6,050 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 2 | 9 | 22 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 250 | 1,000 | 1,200 |
| **Total Direct Costs** | 252 | 1,009 | 1,222 |
| Less: Incremental Revenue/Recovery | 13 | 53 | 70 |
| **Net Cost/(Benefit)** | 239 | 956 | 1,152 |

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

Annual program for the construction of new sidewalks on regional streets where none presently exist and where provision is warranted.

New Regional Sidewalks have an expected service life of 35 years.

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

Project Name: **New Non-Regional Sidewalks**

Department: Public Works
Project: 1832000315
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 150 | 300 | 500 | 500 | 500 | 500 | 2,300 | 2,450 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 150 | 300 | 500 | 500 | 500 | 500 | 2,300 | 2,450 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 128 | 277 | 470 | 500 | 500 | 500 | 75 | 2,450 |
| Financed by: | | | | | | | | |
| Cash to Capital | 128 | 277 | 470 | 500 | 500 | 500 | 75 | 2,450 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 2 | 6 | 13 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 150 | 300 | 500 |
| **Total Direct Costs** | 152 | 306 | 513 |
| Less: Incremental Revenue/Recovery | 8 | 17 | 28 |
| **Net Cost/(Benefit)** | 144 | 289 | 485 |

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

Sidewalks to be constructed under this program must meet at least one of the following:

- connect existing sidewalks to a significant destination business/public facility/seniors facility, etc. and have been identified by a Neighbourhood Based Consultation program (for example a school Travel Plan or Neighbourhood Area Plan)

- is located within 1.5 kilometers from a school and have been identified by a Neighbourhood Based Consultation program (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.

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

Project Name: **Bicycle Corridors (formerly Active Transportation Corridors)**

Department: Public Works
Project: 1832000415
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,000 | 1,500 | 2,000 | 2,200 | 2,200 | 2,200 | 10,100 | 11,100 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,000 | 1,500 | 2,000 | 2,200 | 2,200 | 2,200 | 10,100 | 11,100 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 850 | 1,425 | 1,925 | 2,170 | 2,200 | 2,200 | 330 | 11,100 |
| Financed by: | | | | | | | | |
| Cash to Capital | 850 | 1,425 | 1,925 | 2,170 | 2,200 | 2,200 | 330 | 11,100 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 13 | 26 | 46 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,000 | 1,500 | 2,000 |
| **Total Direct Costs** | 1,013 | 1,526 | 2,046 |
| Less: Incremental Revenue/Recovery | 51 | 86 | 116 |
| **Net Cost/(Benefit)** | 962 | 1,440 | 1,930 |

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

Program supports the promotion of existing bicycle facilities and development of new bicycle facilities on the Bicycle Network. Support the supply and installation of permanent and temporary bicycle parking. Provides additional funding to support the development of Neighborhood Greenways during local street renewal projects. Provides support to complete gaps in the Bicycle Network.

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

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

Department: Public Works
Project: 1807000115

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

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 3,000 | - | 12,465 | - | - | 16,113 | 28,578 | 31,578 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 3,000 | | 12,465 | | | 16,113 | 28,578 | 31,578 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,000 | - | 12,465 | - | - | 16,113 | - | 31,578 |
| Financed by: | | | | | | | | |
| Cash to Capital | 3,000 | | 12,465 | | | 16,113 | | 31,578 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 3,000 | | 12,465 |
| **Total Direct Costs** | 3,000 | - | 12,465 |
| Less: Incremental Revenue/Recovery | 90 | | 374 |
| **Net Cost/(Benefit)** | 2,910 | - | 12,091 |

Class Estimate: 3 - applies to 2015 projects only

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.

| **Funds will be allocated to:** | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Total |
|---|---|---|---|---|---|---|---|
| Right-of-way Land for future Edward Schreyer Parkway (AG 11/13 & AG 12/13) | 2,500 | | | | | | 2,500 |
| Future Land Purchase of Bishop Grandin Blvd., east of Lagimodiere (AG 30/12) | 500 | | | | | | 500 |
| Peguis Street between Ravelston Avenue West and Regent Avenue West: construction of two westerly lanes including boulevards, street lighting, land drainage sewers and a multi-use path (AG 11/11) | | | 2,600 | | | | 2,600 |
| Ravelston Avenue West - from Peguis Streets to westerly property limit of Development Application including pavement, sidewalks, street lighting, boulevards and land drainage sewers (AG 15/13) | | | 2,100 | | | | 2,100 |
| Twinning of Keewatin Street from north of Inkster Blvd to Adsum and Dr. Jose Rizal Way from Adsum to Waterridge Path (AG 15/12) | | | 7,765 | | | | 7,765 |
| Kildare Avenue extension (AG 10/13) | | | | | | 16,113 | 16,113 |
| | **3,000** | **-** | **12,465** | **-** | **-** | **16,113** | **31,578** |

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

Project Name: **Tuxedo Yards Development**

Department: Public Works
Project: 1807000515
Service: Roadway Construction and Maintenance
OurWinnipeg: Opportunity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 9,750 | 1,250 | 1,650 | 2,150 | 2,650 | 3,730 | 24 | 10,204 | 11,454 |
| Financed by: | | | | | | | | | |
| Economic Development Investment Reserve | 1,650 | 1,250 | 1,650 | 2,150 | 2,650 | 3,730 | 24 | 10,204 | 11,454 |
| Provincial Government Funding | 8,000 | | | | | | | - | - |
| Other | 100 | | | | | | | - | - |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,250 | 1,650 | 2,150 | 2,650 | 3,730 | 24 | - | 11,454 |
| Financed by: | | | | | | | | |
| Economic Development Investment Reserve | 1,250 | 1,650 | 2,150 | 2,650 | 3,730 | 24 | | 11,454 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 1,270 | 1,670 | 2,170 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 1,270 | 1,670 | 2,170 |
| Less: Incremental Revenue/Recovery | 1,288 | 1,700 | 2,215 |
| **Net Cost/(Benefit)** | (18) | (30) | (45) |

Class Estimate: 1

On March 25, 2009, Council approved the recommendations contained in the "Tuxedo Yards Redevelopment" report and directed the Public Service to enter into a Strategic Economic Agreement with the Developer for the development of 1.5 million square feet of mixed-use commercial development at the southwest and northwest quadrants of Sterling Lyon Parkway and Kenaston Boulevard. Pursuant to this Agreement, the Developer is responsible for the financing of all costs (estimated total of $26.5 million) of off-site infrastructure and servicing, any acquisitions of land required and of relocating Manitoba Hydro services located in City right-of-ways. Further, the Developer is entitled to recover from the City $14 million of such costs (plus interest) subject to the conditions outlined in the Strategic Economic Agreement.

The Agreement also includes provisions regarding the responsibility of the Developer for the acquisition of certain lands (to a maximum of $450,000) and the construction and/or modification of certain railway crossings (to a maximum of $500,000). The Agreement provided that these costs will be funded by the City of Winnipeg and deducted from the $12 million entitled to be recovered by the Developer.

On September 14, 2009, the City of Winnipeg (City) and the Province of Manitoba (Province) entered into the "Manitoba - Winnipeg Offsite Infrastructure Funding Agreement" whereby the Province provided $8 million in funding, paid in equal installments from 2010 to 2012, to the City. The City in turn paid the Developer the equivalent amount upon receipt of payment from the Province.

On November 16, 2011, Council approved that the 2011 capital budget be amended from $3.117 million to a total of $3.217 million with the additional $0.1 million to be funded by a contribution from Lehigh Cement Ltd. This $0.1 million together with the $8 million Provincial funding, the $0.950 million noted above and $0.7 million estimated 2014 developer payback (i.e. equivalent to estimated 2014 incremental municipal taxes), comprise the previous budgets amount of $9.750 million.

Amounts budgeted from 2015 onward represent repayment to the Developer of the remaining City contribution plus interest, approximately $11.454 million, and are equivalent to estimated incremental municipal realty taxes to be generated by the development.

Project Name: **Transportation Master Plan**

Department: Public Works
Project: 1833000115
Service: Transportation Planning and Traffic Management
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 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: | | | | | | | | | |
| Cash to Capital | | 250 | 250 | 250 | 250 | 250 | 250 | 1,250 | 1,500 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 213 | 250 | 250 | 250 | 250 | 250 | 37 | 1,500 |
| Financed by: | | | | | | | | |
| Cash to Capital | 213 | 250 | 250 | 250 | 250 | 250 | 37 | 1,500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 250 | 250 | 250 |
| **Total Direct Costs** | 250 | 250 | 250 |
| Less: Incremental Revenue/Recovery | 13 | 15 | 15 |
| **Net Cost/(Benefit)** | 237 | 235 | 235 |

Class Estimate: 3

Updating information that affects the recommendations in the TMP (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.

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

Project Name: **Transportation Management Centre (TMC)**

Department: Public Works
Project: 1831200115
Service: Transportation Planning and Traffic Management
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 2,000 | 1,000 | - | - | - | - | 1,000 | 3,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 2,000 | 1,000 | | | | | 1,000 | 3,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,700 | 1,150 | 150 | - | - | - | - | 3,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,700 | 1,150 | 150 | | | | | 3,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 1,590 | 2,690 | 3,510 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 2,000 | 1,000 | |
| **Total Direct Costs** | 3,590 | 3,690 | 3,510 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 3,590 | 3,690 | 3,510 |

Class Estimate: 4

Three (3) Years Traffic Signals Action Plan includes the establishment of a Transportation Management Centre (TMC) (by the end of 2016) and the transition of the branch operation from "Capital Projects and Reactive Maintenance" to "Preventative Maintenance" (by the end of 2017). The TMC will facilitate the use of existing technological capabilities of the system to manage traffic flows in the most efficient way possible.

TMC operators will monitor and adjust traffic signal timing and respond in real time to potential problems in the transportation system. The TMC will also allow staff to monitor the health of traffic signals and to take action to resolve problems before the public is aware that there is an issue. The TMC is envisioned to be the primary source of traffic information for media outlets as well as the road users themselves through the use of social media, smartphones and traveller information boards.

Detailed design for the Transportation Management Centre will be completed and the cost estimate will be refined prior to construction work.

Project Name: **Traffic Signals Improvements**

Department: Public Works
Project: 1831100115
Service: Transportation Planning and Traffic Management
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 1,030 | 1,030 | 1,030 | 1,030 | 1,030 | 150 | 4,270 | 5,300 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,030 | 1,030 | 1,030 | 1,030 | 1,030 | 150 | 4,270 | 5,300 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 876 | 1,030 | 1,030 | 1,030 | 1,030 | 282 | 22 | 5,300 |
| Financed by: | | | | | | | | |
| Cash to Capital | 876 | 1,030 | 1,030 | 1,030 | 1,030 | 282 | 22 | 5,300 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 193 | 219 | 252 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,030 | 1,030 | 1,030 |
| **Total Direct Costs** | 1,223 | 1,249 | 1,282 |
| Less: Incremental Revenue/Recovery | 53 | 62 | 62 |
| **Net Cost/(Benefit)** | 1,170 | 1,187 | 1,220 |

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.
- 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. This program was previously a sub-program of the Traffic Engineering Improvements program.

Project Name: **Traffic Signals Loops**

Department: Public Works
Project: 1831100215
Service: Transportation Planning and Traffic Management
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 400 | 250 | 250 | 250 | 250 | 250 | 1,250 | 1,650 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 400 | 250 | 250 | 250 | 250 | 250 | 1,250 | 1,650 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 340 | 273 | 250 | 250 | 250 | 250 | 37 | 1,650 |
| Financed by: | | | | | | | | |
| Cash to Capital | 340 | 273 | 250 | 250 | 250 | 250 | 37 | 1,650 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 8 | 15 | 23 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 400 | 250 | 250 |
| **Total Direct Costs** | 408 | 265 | 273 |
| Less: Incremental Revenue/Recovery | 20 | 16 | 15 |
| **Net Cost/(Benefit)** | 388 | 249 | 258 |

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.

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

Project Name: **Traffic Signals Gel Covers**

Department: Public Works
Project: 1831100315
Service: Transportation Planning and Traffic Management
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 550 | - | - | - | - | - | - | 550 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 550 | | | | | | - | 550 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 468 | 82 | - | - | - | - | - | 550 |
| Financed by: | | | | | | | | |
| Cash to Capital | 468 | 82 | | | | | | 550 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 550 | | |
| **Total Direct Costs** | 550 | - | - |
| Less: Incremental Revenue/Recovery | 28 | 5 | |
| **Net Cost/(Benefit)** | 522 | (5) | - |

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

This is a project which includes city-wide installation of gel covers which will prevent the affect of weather conditions on signal pole electrical terminal strip, hence reducing the occurrences of flashing lights in bad weather conditions.

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

Department: Public Works
Project: 1831000115

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

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,800 | 1,900 | 1,900 | 1,900 | 1,900 | 1,900 | 9,500 | 11,300 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,800 | 1,900 | 1,900 | 1,900 | 1,900 | 1,900 | 9,500 | 11,300 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,530 | 1,885 | 1,900 | 1,900 | 1,900 | 1,900 | 285 | 11,300 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,530 | 1,885 | 1,900 | 1,900 | 1,900 | 1,900 | 285 | 11,300 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 8 | 15 | 23 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,800 | 1,900 | 1,900 |
| **Total Direct Costs** | 1,808 | 1,915 | 1,923 |
| Less: Incremental Revenue/Recovery | 92 | 113 | 114 |
| **Net Cost/(Benefit)** | 1,716 | 1,802 | 1,809 |

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

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

- new traffic control signals based on priority warrant system **
- new half signals and pedestrian corridors based on a priority warrant system **
- roadside safety improvements
- traffic calming measures
- miscellaneous geometric improvements
- traffic sign upgrades
- railway crossing safety improvements
- acceleration lanes on Regional streets

The annual program funds research into City of Winnipeg Transportation Division issues and initiatives by the University of Manitoba Transport Information Group.

* 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: **Installation of Traffic Signals at the Intersection of Jefferson Avenue and Adsum Drive**

Department: Public Works
Project: 1831300115
Service: Transportation Planning and Traffic Management
OurWinnipeg: Key Directions for Specific City Areas

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 525 | - | - | - | - | - | - | 525 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 525 | | | | | | - | 525 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 525 | - | - | - | - | - | - | 525 |
| Financed by: | | | | | | | | |
| Cash to Capital | 525 | | | | | | | 525 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 525 | | |
| **Total Direct Costs** | 525 | - | - |
| Less: Incremental Revenue/Recovery | 32 | | |
| **Net Cost/(Benefit)** | 493 | - | - |

Class Estimate: 3

Removal of all-way stop control and installation of traffic control signals with northbound and southbound left-turn storage lanes, pedestrian signals and cyclist push buttons was recommended to move people more efficiently and safely through the intersection at Jefferson Avenue and Adsum Drive. On July 4, 2014 Standing Policy Committee on Infrastructure Renewal and Public Works recommended that the installation of traffic control signals and associated improvements at the intersection of Jefferson Avenue and Adsum Drive be referred to the 2015 Capital Budget.

Project Name: **Kenaston Boulevard - Ness Avenue to Taylor Avenue**

Department: Public Works
Project: 1803000616

Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for Specific City Areas

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,200 | - | 100 | 3,345 | 100 | 2,263 | 100 | 5,908 | 5,908 |
| Financed by: | | | | | | | | | |
| Cash to Capital | 3,200 | | 100 | 3,345 | 100 | 2,263 | 100 | 5,908 | 5,908 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 85 | 2,858 | 587 | 1,939 | 424 | 15 | 5,908 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 85 | 2,858 | 587 | 1,939 | 424 | 15 | 5,908 |

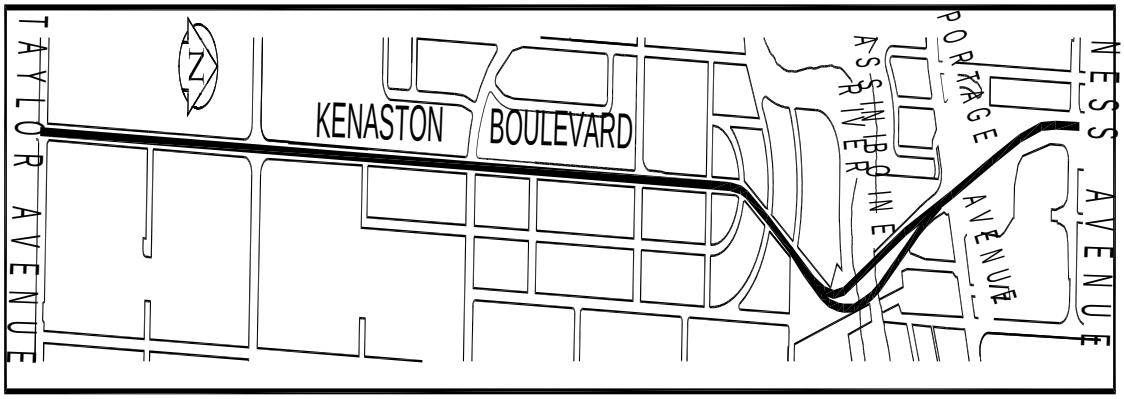
| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 100 | 3,345 |
| **Total Direct Costs** | - | 100 | 3,345 |
| Less: Incremental Revenue/Recovery | | 5 | 171 |
| **Net Cost/(Benefit)** | - | 95 | 3,174 |

Class Estimate: 4

The estimate includes funding for the provision of maintenance of the roadway until the facility is reconstructed. On April 19, 1995, Council approved the expenditure of $100,000 annually until the construction of the permanent rehabilitation.

Widening of Kenaston Boulevard will include modifications and rehabilitation of the St. James Northbound Bridge and replacement of the St. James Southbound Bridge. Funding of $3.245 million in 2017 is for preliminary bridge design of both the southbound and northbound bridges. Funding of $2.163 million in 2019 is for detailed design and commencement of property acquisition for St. James Southbound Bridge.

The total project estimate is $265 million (class 4) based on completion in 2021. Should this project be deferred, the St. James Southbound Bridge project is required to proceed as a stand alone project for completion in 2021 at an estimated cost of $60 million (class 4).



Project Name: **Preliminary / Detailed Design for Building Canada Fund Project(s)**

Department: Public Works
Project: 1803000115
Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 3,000 | 2,200 | - | - | - | - | 2,200 | 5,200 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 3,000 | 2,200 | | | | | 2,200 | 5,200 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,550 | 2,320 | 330 | - | - | - | - | 5,200 |
| Financed by: | | | | | | | | |
| Cash to Capital | 2,550 | 2,320 | 330 | | | | | 5,200 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 3,000 | 2,200 | |
| **Total Direct Costs** | 3,000 | 2,200 | - |
| Less: Incremental Revenue/Recovery | 77 | 70 | 10 |
| **Net Cost/(Benefit)** | 2,923 | 2,130 | (10) |

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

Budgets in 2015 and 2016 will be for preliminary and detailed designs for chosen project(s). Council will determine which projects to proceed to next steps for funding by Building Canada Fund.

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

Department: Public Works
Project: 1804000115

Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 103,292 | 94,097 | 99,820 | 114,428 | 112,966 | 115,489 | 536,800 | 640,092 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 16,087 | 16,852 | 19,761 | 22,787 | 24,175 | 20,198 | 103,773 | 119,860 |
| Federal Gas Tax / Interest | | 11,175 | 12,029 | 12,104 | 13,886 | 17,236 | 18,936 | 74,191 | 85,366 |
| Provincial Building Manitoba Fund - Roads | | 14,000 | 14,000 | 14,000 | 14,000 | 7,000 | 7,000 | 56,000 | 70,000 |
| Provincial Road Investment Fund | | 9,000 | 9,000 | 9,000 | 9,000 | | | 27,000 | 36,000 |
| Provincial Manitoba Winnipeg Infrastructure Fund | | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | | 20,000 | 25,000 |
| Transfer from Prior Year Surplus - Provincial Funding for Road Improvements (2008, 2009 & 2010) | | 6,200 | | | | | | - | 6,200 |
| Local Street Renewal Reserve | | 12,663 | 17,415 | 22,315 | 27,215 | 32,115 | 37,015 | 136,075 | 148,738 |
| Regional Street Renewal Reserve | | 8,519 | 12,901 | 17,640 | 22,540 | 27,440 | 32,340 | 112,861 | 121,380 |
| External Debt | | 20,176 | 6,900 | | | | | 6,900 | 27,076 |
| Transfer from Prior Year Surplus - Federal Gas Tax | | 472 | | | | | | | 472 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 87,800 | 95,474 | 98,962 | 112,237 | 113,186 | 115,111 | 17,322 | 640,092 |
| Financed by: | | | | | | | | |
| Cash to Capital | 13,673 | 16,737 | 19,325 | 22,333 | 23,967 | 20,795 | 3,030 | 119,860 |
| Federal Gas Tax | 9,499 | 11,901 | 12,093 | 13,619 | 16,734 | 18,681 | 2,839 | 85,366 |
| Provincial Building Manitoba Fund - Roads | 11,900 | 14,000 | 14,000 | 14,000 | 8,050 | 7,000 | 1,050 | 70,000 |
| Provincial Road Investment Fund | 7,650 | 9,000 | 9,000 | 9,000 | 1,350 | | | 36,000 |
| Provincial Manitoba Winnipeg Infrastructure Fund | 4,250 | 5,000 | 5,000 | 5,000 | 5,000 | 750 | | 25,000 |
| Transfer from Prior Year Surplus - Provincial Funding for Road Improvements (2008, 2009 & 2010) | 5,270 | 930 | | | | | | 6,200 |
| Local Street Renewal Reserve | 10,764 | 16,702 | 21,580 | 26,480 | 31,380 | 36,280 | 5,552 | 148,738 |
| Regional Street Renewal Reserve | 7,241 | 12,244 | 16,929 | 21,805 | 26,705 | 31,605 | 4,851 | 121,380 |
| External Debt | 17,150 | 8,891 | 1,035 | | | | | 27,076 |
| Transfer from Prior Year Surplus - Federal Gas Tax | 403 | 69 | | | | | | 472 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | 1,021 | 1,774 | 1,963 |
| Transfer to General Capital Fund | 16,087 | 16,852 | 19,761 |
| **Total Direct Costs** | 17,108 | 18,626 | 21,724 |
| Less: Incremental Revenue/Recovery | 3,811 | 4,156 | 4,346 |
| **Net Cost/(Benefit)** | 13,297 | 14,470 | 17,378 |

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

Class Estimate: 3 and not applicable for scalable programs - applies to 2015 projects only

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

The Director of Public Works may be required to reallocate streets between the regular and enhanced programs based on financing requirements.

Subsequent to the adoption of the 2014 Capital Budget, the Province announced in its 2014 budget an additional $9 million for roads. Then further announced that this funding would be extended for five years (2014 - 2018).

* N/A - No amounts have been included in the "Previous Budgets" due to this projects 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. The purpose of this program is to maintain the level of service, structural integrity, and rideability of the transportation infrastructure network. See next pages for program details.

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 any departmental non-specified capital account.

Any new projects using surplus funds in the 2015 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, 0.60% in 2023 and 0.30% thereafter, will continually fund this reserve each year to ensure a dedicated funding stream for regional streets. Similar to 2014, the City will borrow $10 million in 2015 and $5 million in 2016 for Regional street renewal work and the Regional Street Renewal Reserve will pay the principal and interest charges on the debt. Appendix 6 of the 2015 Capital Budget outlines the long-term plan in this regard.

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

The regular regional street renewal program includes incremental cash to capital of $6.5 million in 2015 ($60 million planned over the 6-year program). This part of the program will come forward to Council for approval.

* See Regional Street Renewal table for roadworks to be completed for the enhanced Regional Streets and Sidewalks Renewal.

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

***Local Street Renewal Program***

The Local Street Renewal program includes the renewal and reconstruction of the City's local streets, sidewalks, lanes, and recreational walkways/paths. The purpose of this program is to maintain the level of service, structural integrity, and rideability of the transportation infrastructure network. See next pages for program details.

This program also includes funding for improving granular surface roadways that are functioning as collector-type streets and/or have significant traffic volumes and will focus on Type II Road Oiling Surface Treatment as the upgrade.

On February 22, 2011 Council approved that up to $1 million in funding be allocated each year from the $3 million Granular Roadway Improvements project account for sub-cutting and adding gravel to unimproved gravel back-lanes in need of repair.

On November 20, 2013 Council amended the Local Improvement process by creating a pilot project for six years 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.

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 any departmental non-specified capital account.

Any new projects using surplus funds in the 2015 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 2021 and reducing to 0.9% in 2022 will continually fund this reserve each year to ensure a dedicated funding stream for local streets. In addition to the $10 million borrowed in each of 2013 and 2014, the City will borrow $6 million in 2015 and $1 million in 2016 for local street renewal work and the Local Street Renewal Reserve will pay the principal and interest charges on the new and existing debt. The City's longer term proposal for sustainable funding for the renewal of local streets is detailed in Appendix 6 of the 2015 Capital Budget.

Subsequent to the adoption of the 2013 capital budget, the Province committed an additional $7 million for residential streets for three years (2013, 2014 and 2015) through the provincial Local Street Improvement Program. As part of the 2014 Provincial Budget, the Province committed an additional $21 million for the Local Street Improvement Fund for three years ($7 million each year) starting in 2016.

On July 16, 2014 Council approved a first charge on the 2015 Capital Budget for Nairn Avenue Overpass Traffic Mitigation Measures from the Local Street Renewal Program of up to $350,000 to facilitate timely work.

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

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

| REGIONAL STREET RENEWAL PROGRAM<br>Authorization ($000's) | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Six-Year Total |
|---|---|---|---|---|---|---|---|
| Enhanced Regional Streets and Sidewalks Renewal funded by: | | | | | | | |
| - Regional Street Renewal Reserve | 8,519 | 12,901 | 17,640 | 22,540 | 27,440 | 32,340 | 121,380 |
| - External Debt | 10,000 | 5,000 | | | | | 15,000 |
| **Sub-total Enhanced Regional Streets and Sidewalks Renewal** | **18,519** | **17,901** | **17,640** | **22,540** | **27,440** | **32,340** | **136,380** |
| **Regional Reconstruction & Major Rehabilitation Works:** | | | | | | | |
| Selkirk St - Salter to McGregor | 4,000 | | | | | | 4,000 |
| Selkirk St - McGregor to Arlington | 4,000 | | | | | | 4,000 |
| Osborne St SB & NB - Broadway to St Mary | 1,950 | | | | | | 1,950 |
| Henderson Hwy SB - Munroe to Hespeler | 3,000 | | | | | | 3,000 |
| Pembina Hwy SB & NB - Grant to Osborne | | 11,700 | | | | | 11,700 |
| Keewatin St SB - Logan to Notre Dame | | 1,230 | | | | | 1,230 |
| Keewatin St NB - Notre Dame to Logan | | | 1,300 | | | | 1,300 |
| St James St - Sargent to Ellice | | | 1,800 | | | | 1,800 |
| Empress St - St Mathews to Maroons | | | 3,100 | | | | 3,100 |
| Corydon Ave WB - Montrose to Niagra | | | 2,200 | | | | 2,200 |
| Corydon Ave EB - Tuxedo to Kenaston | | | 4,800 | | | | 4,800 |
| Ellice Ave - Arlington to Sherburn | | | 4,400 | | | | 4,400 |
| **Regional Mill and Fill Preservation Works:** | | | | | | | |
| Henderson Hwy SB - Whellams to Springfield | 300 | | | | | | 300 |
| Sherbrook St - Ellice to Notre Dame | 1,100 | | | | | | 1,100 |
| Ellice Ave - Balmoral to Maryland | 680 | | | | | | 680 |
| Main St NB - Higgins to Redwood | 2,000 | | | | | | 2,000 |
| Pembina Hwy SB & NB - Point Rd to McGillivray | 1,200 | | | | | | 1,200 |
| Main St SB - Mountain to Redwood | 280 | | | | | | 280 |
| Lagimodiere SB - Dugald to Marion | | 250 | | | | | 250 |
| Jubilee Ave - Osborne to Cockburn | | 900 | | | | | 900 |
| Watt St - Chalmers to Nairn | | 875 | | | | | 875 |
| St Mary's Rd NB - St Anne's to Lyndale | | 800 | | | | | 800 |
| St Mary's Rd SB - Lyndale to St Anne's | | 800 | | | | | 800 |
| Notre Dame EB - Wall to Arlington | | 750 | | | | | 750 |
| Isabel Ave - William to Notre Dame | | 500 | | | | | 500 |
| Regional Street Renewals - Annual Program - Various locations to be identified. | 9 | 96 | 40 | 22,540 | 27,440 | 32,340 | 82,465 |
| **Total Enhanced Regional Street Renewal Program** | **18,519** | **17,901** | **17,640** | **22,540** | **27,440** | **32,340** | **136,380** |

*Regional and Local Street Renewal (continued)*

| Authorization ($000's) | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Six-Year Total |
|---|---|---|---|---|---|---|---|
| **REGULAR REGIONAL PROGRAM** | | | | | | | |
| **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 |
| **Regional Accessibility Improvements:** | | | | | | | |
| Detectable Warning Surface Tiles - Regional Streets | 100 | 100 | 100 | 100 | 100 | 100 | 600 |
| **Downtown Streets:** | | | | | | | |
| Sidewalk, Curb, and Street Renewals | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 9,000 |
| **Regional Reconstruction & Major Rehabilitation Works:** | | | | | | | |
| Pembina Hwy SB - Bairdmore North Leg to Kirkbridge | 3,800 | | | | | | 3,800 |
| Ness Ave EB - Rutland to Queen | 2,200 | | | | | | 2,200 |
| St James St - Maroons to Ness | 2,900 | 4,300 | | | | | 7,200 |
| St James St - Ness to Portage | 2,100 | | 3,500 | | | | 5,600 |
| Sargent Ave - Victor to Arlington | | 1,600 | | | | | 1,600 |
| Academy Rd - Stafford to Harrow | | 700 | | | | | 700 |
| Empress St SB - Maroons to Jack Blick | | | 650 | | | | 650 |
| Empress St NB - Jack Blick to Maroons | | | 650 | | | | 650 |
| Stafford St - Pembina to Grant | | | 3,000 | | | | 3,000 |
| **Regional Mill and Fill Preservation Works:** | | | | | | | |
| Osborne St - Corydon to Don | 550 | | | | | | 550 |
| Portage Ave WB - Moorgate to 2533 Portage Ave | 1,350 | | | | | | 1,350 |
| Main St SB - Inkster to Mountain | 1,100 | | | | | | 1,100 |
| Academy Rd - Campbell to Renfrew | | 700 | | | | | 700 |
| Ellice Ave - Beverley to Arlington | | | 250 | | | | 250 |
| Incremental Cash to Capital | 6,500 | 11,000 | 11,000 | 11,500 | 10,000 | 10,000 | 60,000 |
| Regional Street Renewals - Annual Program - Various locations to be identified. | 10 | 81 | 415 | 12,773 | 19,011 | 11,734 | 44,024 |
| **Total Regular Regional Street Renewal Program** | **22,860** | **20,731** | **21,815** | **26,623** | **31,361** | **24,084** | **147,474** |
| **Total Enhanced and Regular Regional Street Renewal Program** | **41,379** | **38,632** | **39,455** | **49,163** | **58,801** | **56,424** | **283,854** |

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

| LOCAL STREET RENEWAL PROGRAM<br>Authorization ($000's) | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Six-Year Total |
|---|---|---|---|---|---|---|---|
| **Enhanced Local Streets, Lanes and Sidewalks Renewal** funded by: | | | | | | | |
| - Local Street Renewal Reserve | 12,663 | 17,415 | 22,315 | 27,215 | 32,115 | 37,015 | 148,738 |
| - External Debt | 6,000 | 1,000 | | | | | 7,000 |
| **Sub-total Enhanced Local Streets, Lanes and Sidewalks Renewal** | **18,663** | **18,415** | **22,315** | **27,215** | **32,115** | **37,015** | **155,738** |
| **Regular Local Street Program:** | | | | | | | |
| Local Street Renewals - Various Locations - Provincial funding | 14,000 | 14,000 | 14,000 | 14,000 | 7,000 | 7,000 | 70,000 |
| Local Street Renewals - Various Locations - Provincial funding | 9,000 | 9,000 | 9,000 | 9,000 | | | 36,000 |
| Local Street Renewals - Various Locations - Surplus from previous years Provincial funding | 6,200 | | | | | | 6,200 |
| Other Local Street Renewals - Various Locations | 2,000 | 2,000 | 3,000 | 3,000 | 3,000 | 3,000 | 16,000 |
| Granular Roadway Improvements: | | | | | | | |
| - Type II Road Oiling | 500 | 500 | 500 | 500 | 500 | 500 | 3,000 |
| - Granular Lane Improvement Program | 1,000 | 1,000 | 1,000 | 2,000 | 1,000 | 1,000 | 7,000 |
| - Pipeline Rd - 150 m North of Templeton Ave to Perimeter Hwy | 1,500 | | | | | | 1,500 |
| - Loudoun Rd - Wilkes Ave to Four Mile Rd | | 1,500 | 1,500 | | | | 3,000 |
| - Waverley Street - Grandmont to the City Limit | | | | 500 | 1,500 | 1,000 | 3,000 |
| - To be determined | | | | | | 500 | 500 |
| Sub-total Granular Roadway Improvements | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 18,000 |
| Lane Renewals - Various Locations | 2,750 | 2,750 | 2,750 | 2,750 | 2,750 | 2,750 | 16,500 |
| Sidewalk Renewals on Local Streets - Various Locations | 800 | 800 | 800 | 800 | 800 | 800 | 4,800 |
| Local Thin Bituminous Overlay (TBO) | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 30,000 |
| Recreational Walkways and Bike Pathway Renewals | 500 | 500 | 500 | 500 | 500 | 500 | 3,000 |
| **Sub-total Regular Local Street Renewal Program** | **43,250** | **37,050** | **38,050** | **38,050** | **22,050** | **22,050** | **200,500** |
| **Total Local Street Renewal Program** | **61,913** | **55,465** | **60,365** | **65,265** | **54,165** | **59,065** | **356,238** |
| **Total Regional and Local Street Renewal Program** | **103,292** | **94,097** | **99,820** | **114,428** | **112,966** | **115,489** | **640,092** |

Project Name: **Louise Bridge (Red River)**

Department: Public Works
Project: 1805001414

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

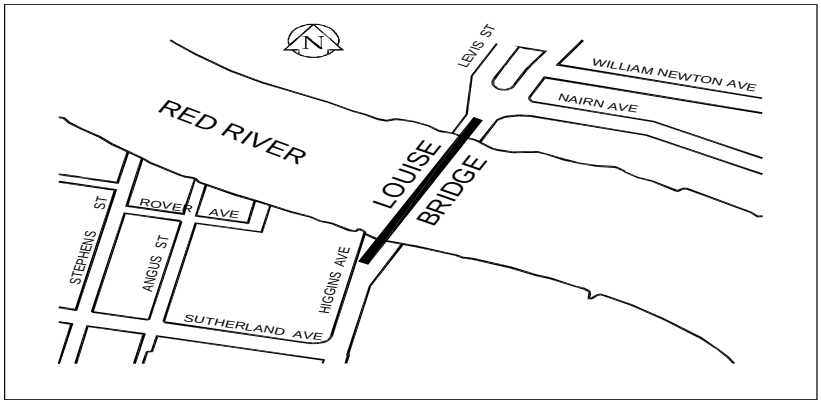
| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,081 | - | 2,000 | - | - | - | - | 2,000 | 2,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 1,000 | | | | | 1,000 | 1,000 |
| Provincial Funding for Road Improvements | | | 1,000 | | | | | 1,000 | 1,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,700 | 300 | - | - | - | - | 2,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 700 | 300 | | | | | 1,000 |
| Provincial Funding for Road Improvements | | 1,000 | | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 1,000 | |
| **Total Direct Costs** | - | 1,000 | - |
| Less: Incremental Revenue/Recovery | | 51 | 9 |
| **Net Cost/(Benefit)** | - | 949 | (9) |

Class Estimate: 4 - applies to detailed design only

Previous budgets was for conceptual design, preliminary design, public consultation, and property acquisition. 2016 - Engineering detailed design. Options for the potential rehabilitation or replacement will be considered. If a new four lane replacement bridge is required the total estimated project budget will exceed $100,000,000 (class 5 estimate) assuming construction is undertaken beyond 2017. Bridge requirements will be determined during the preliminary engineering design/study.



Project Name: **CPR Yards Functional Crossing Study - between McPhillips Street and Main Street**

Department: Public Works
Project: 1833000216
Service: Transportation Planning and Traffic Management
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | - | 2,000 | - | - | - | - | 2,000 | 2,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | 1,500 | | 2,000 | | | | | 2,000 | 2,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 2,000 | - | - | - | - | - | 2,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 2,000 | | | | | | 2,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 2,000 | |
| **Total Direct Costs** | - | 2,000 | - |
| Less: Incremental Revenue/Recovery | | 120 | |
| **Net Cost/(Benefit)** | - | 1,880 | - |

Class Estimate: 4

The Arlington Street Overpass is nearing the end of its useable service life. By 2020, the Overpass will have to be replaced, undergo major reconstruction or be decommissioned with enhancements to other routes. Previous budgets was for a study to develop a cost effective functional plan to be implemented within the above-noted time frame. The study will include transportation planning, structural evaluation, conceptual design and public consultation. The study will develop a Class 4 estimate for each alternative.

Funding in 2016 is for the preliminary design and property acquisition for the solution to the Arlington Overpass crossing and development of a Class 3 estimate.

Project Name: **Fermor Avenue Bridge (Seine River)**

Department: Public Works
Project: 1805001916
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,000 | 1,200 | 10,100 | 6,700 | - | 19,000 | 19,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 1,000 | 1,200 | 10,100 | 6,700 | | 19,000 | 19,000 |

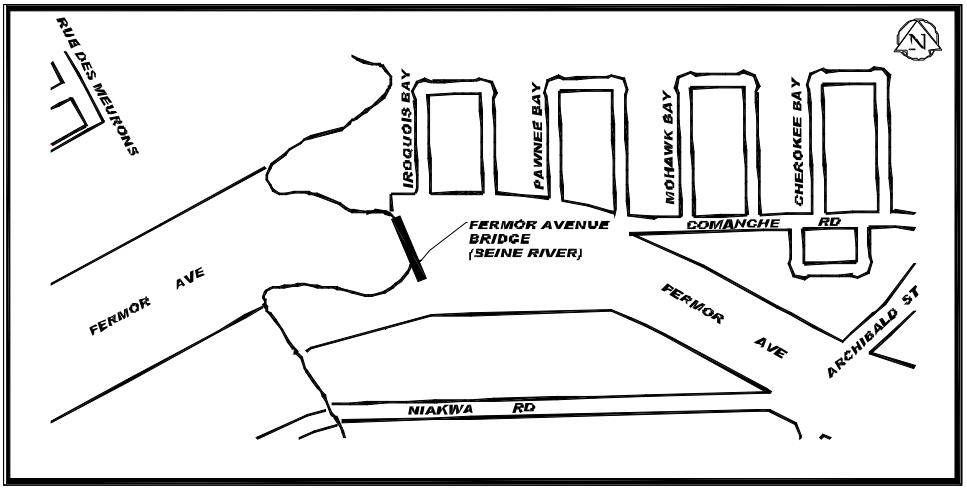
| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 850 | 1,170 | 8,765 | 7,210 | 1,005 | - | 19,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 850 | 1,170 | 8,765 | 7,210 | 1,005 | | 19,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 1,000 | 1,200 |
| **Total Direct Costs** | - | 1,000 | 1,200 |
| Less: Incremental Revenue/Recovery | | 26 | 35 |
| **Net Cost/(Benefit)** | - | 974 | 1,165 |

Class Estimate: 4

This project includes rehabilitation of the Fermor Avenue Bridge over the Seine River and reconstruction of Fermor Avenue between St. Anne's Road and Archibald Street. Preliminary design will occur in 2016 including identification of property requirements. Detailed design will occur in 2017 including commencement of property acquisition if required. Construction will be staged over 2018 and 2019.

The rehabilitated bridge is expected to provide service for 50 years.



Project Name: **Saskatchewan Avenue Culvert (Sturgeon Creek)**

Department: Public Works
Project: 1805002016
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,000 | 1,000 | 8,000 | - | - | 10,000 | 10,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 1,000 | 1,000 | 8,000 | | | 10,000 | 10,000 |

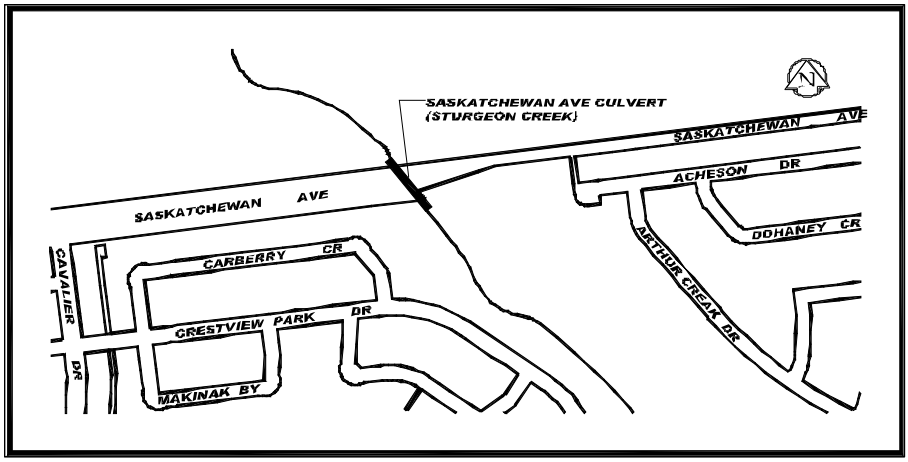
| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 850 | 1,000 | 6,950 | 1,200 | - | - | 10,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 850 | 1,000 | 6,950 | 1,200 | | | 10,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 1,000 | 1,000 |
| **Total Direct Costs** | - | 1,000 | 1,000 |
| Less: Incremental Revenue/Recovery | | 26 | 30 |
| **Net Cost/(Benefit)** | - | 974 | 970 |

Class Estimate: 4

Replace existing culvert structure with a new bridge. Undertake preliminary engineering and property acquisition in 2016, detailed engineering in 2017, and construction in 2018.

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



Project Name: **Ness Avenue Culvert (Sturgeon Creek)**

Department: Public Works
Project: 1805001514
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 2,000 | 11,000 | - | - | - | - | 11,000 | 13,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | 500 | 1,000 | 7,000 | | | | | 7,000 | 8,000 |
| Provincial Funding for Road Improvements | 500 | 1,000 | 4,000 | | | | | 4,000 | 5,000 |

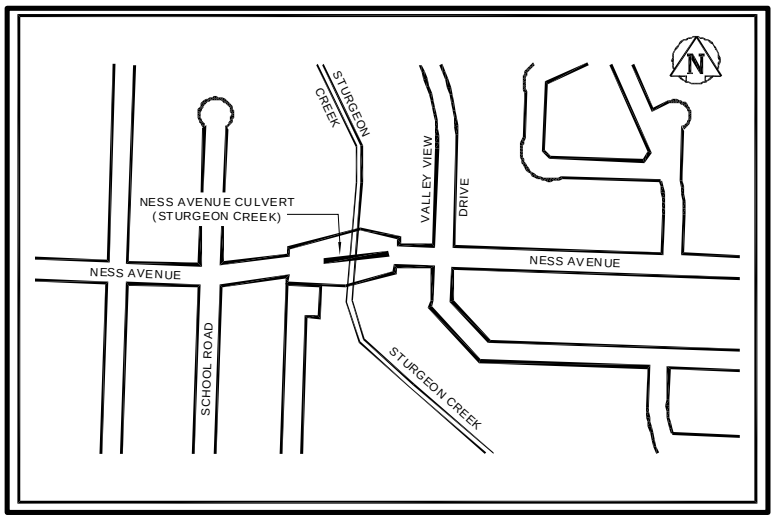
| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,700 | 9,650 | 1,650 | - | - | - | - | 13,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 700 | 5,650 | 1,650 | | | | | 8,000 |
| Provincial Funding for Road Improvements | 1,000 | 4,000 | | | | | | 5,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,000 | 7,000 | |
| **Total Direct Costs** | 1,000 | 7,000 | - |
| Less: Incremental Revenue/Recovery | 51 | 500 | 86 |
| **Net Cost/(Benefit)** | 949 | 6,500 | (86) |

Class Estimate: 4

Replace existing structure with a new bridge. Undertake preliminary engineering and property acquisition in 2014, detailed engineering in 2015, and construction in 2016.

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



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

Department: Public Works
Project: 1805001815
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 700 | 2,300 | - | - | - | - | 2,300 | 3,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 450 | 1,300 | | | | | 1,300 | 1,750 |
| Provincial Funding for Road Improvements | | 250 | 1,000 | | | | | 1,000 | 1,250 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 595 | 2,060 | 345 | - | - | - | - | 3,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 345 | 1,060 | 345 | | | | | 1,750 |
| Provincial Funding for Road Improvements | 250 | 1,000 | | | | | | 1,250 |

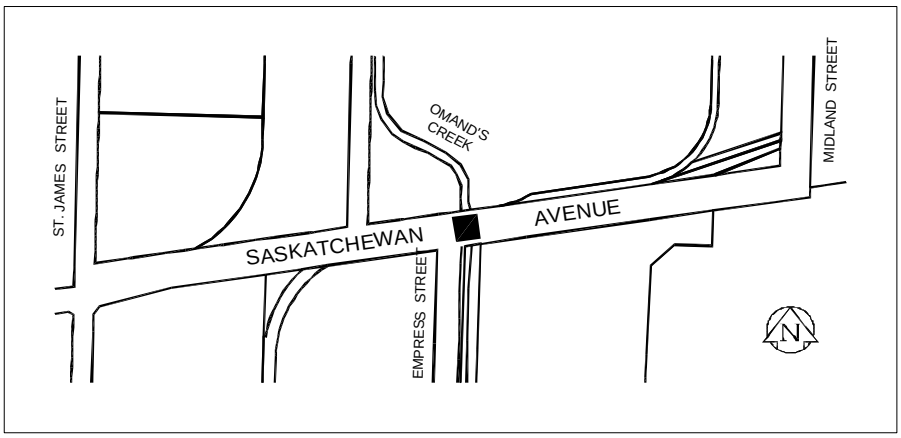
| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 450 | 1,300 | |
| **Total Direct Costs** | 450 | 1,300 | - |
| Less: Incremental Revenue/Recovery | 18 | 104 | 21 |
| **Net Cost/(Benefit)** | 432 | 1,196 | (21) |

Class Estimate: 4

Bridge replacement with a total budget requirement of $3,000,000. Preliminary/detailed engineering and property acquisition in 2015 budgeted for $700,000 and construction in 2016 budgeted for $2,300,000.

The new structure is expected to provide service for 75 years.

On December 10, 2014 Council approved a first charge on the 2015 Capital Budget of up to $700,000 to allow award of contracts to ensure timely delivery of projects.



Project Name: **Lyndale Drive - Retaining Wall Rehabilitation**

Department: Public Works
Project: 1805001715
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 700 | 500 | 5,000 | - | - | - | 5,500 | 6,200 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 450 | 250 | 3,500 | | | | 3,750 | 4,200 |
| Provincial Funding for Road Improvements | | 250 | 250 | 1,500 | | | | 1,750 | 2,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 595 | 530 | 4,325 | 750 | - | - | - | 6,200 |
| Financed by: | | | | | | | | |
| Cash to Capital | 345 | 280 | 2,825 | 750 | | | | 4,200 |
| Provincial Funding for Road Improvements | 250 | 250 | 1,500 | | | | | 2,000 |

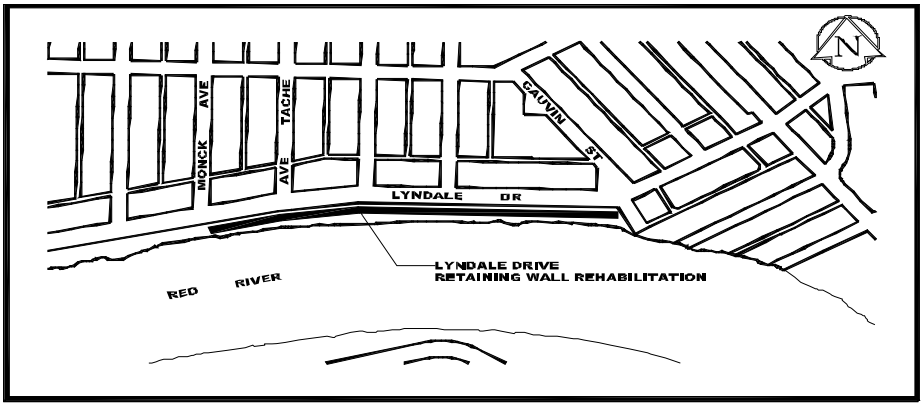
| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 450 | 250 | 3,500 |
| **Total Direct Costs** | 450 | 250 | 3,500 |
| Less: Incremental Revenue/Recovery | 18 | 16 | 230 |
| **Net Cost/(Benefit)** | 432 | 234 | 3,270 |

Class Estimate: 5

This retaining wall forms part of the Lyndale Drive primary dike system between Monck Avenue and Gauvin Street. The total estimated budget requirement is $6,200,000 with $700,000 in 2015 for preliminary design, $500,000 in 2016 for detailed design, and $5,000,000 in 2017 for construction.

The retaining wall is expected to provide service for 50 years.

On December 10, 2014 Council approved a first charge on the 2015 Capital Budget of up to $500,000 to allow award of contracts to ensure timely delivery of projects.



Project Name: **Osborne Street Underpass**

Department: Public Works
Project: 1805002319
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

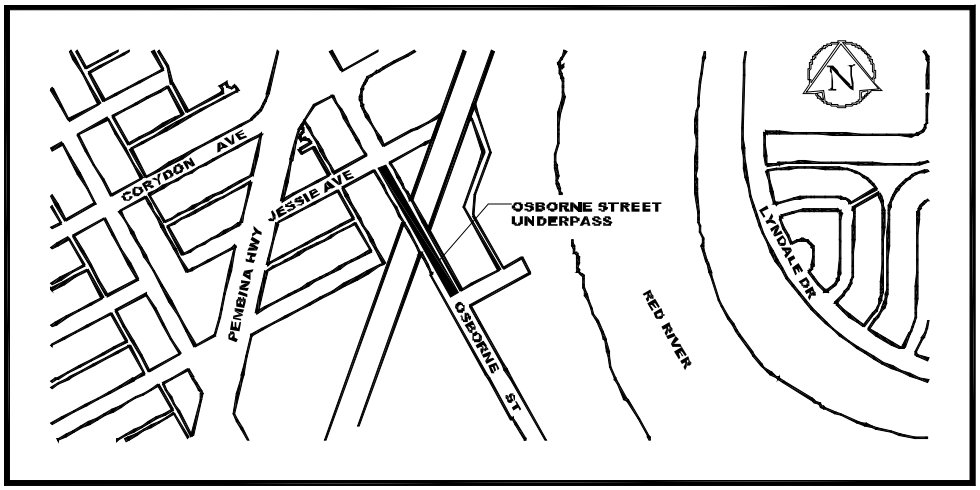
| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 2,500 | - | 2,500 | 2,500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 1,250 | | 1,250 | 1,250 |
| Provincial Funding for Road Improvements | | | | | | 1,250 | | 1,250 | 1,250 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 2,125 | 375 | - | 2,500 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 875 | 375 | | 1,250 |
| Provincial Funding for Road Improvements | | | | | 1,250 | | | 1,250 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 4

2019 - Project budget shown is to undertake conceptual study/design, preliminary design, property acquisition, public consultation, and development of a Class 3 cost estimate.



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

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

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 700 | 700 | 6,800 | 8,200 | 8,200 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 700 | 700 | 6,800 | 8,200 | 8,200 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 595 | 700 | 5,885 | 1,020 | 8,200 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 595 | 700 | 5,885 | 1020 | 8,200 |

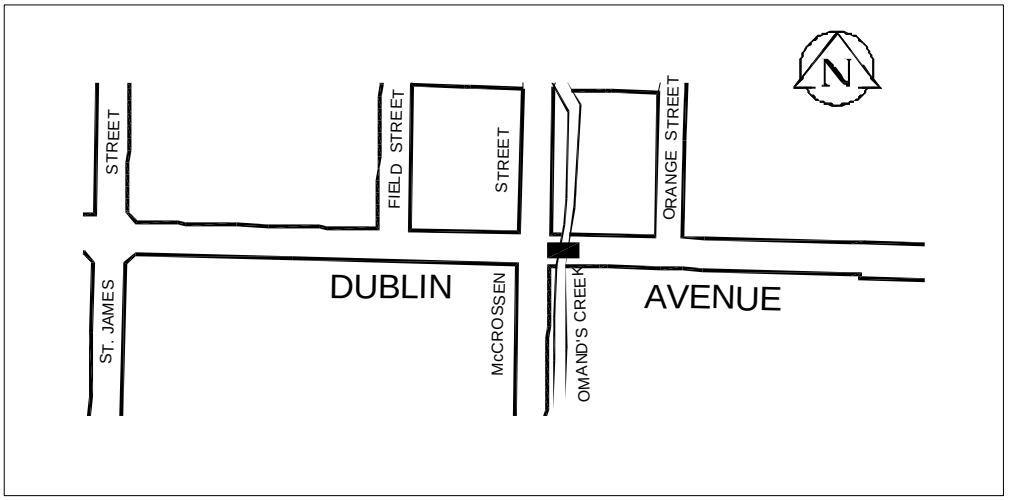
| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 4

Project will encompass replacement of the Dublin Avenue Bridge over Omand's Creek and the rehabilitation of Dublin Avenue between Midland Avenue and Field Street.

2018 - preliminary design for bridge replacement, 2019 - detailed design, 2020 - construction.

The bridge replacement will provide a 75-year service life.



Project Name: **Sherwin Road Bridge (Omand's Creek)**

Department: Public Works
Project: 1805002419
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 700 | 2,800 | 3,500 | 3,500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 700 | 2,800 | 3,500 | 3,500 |

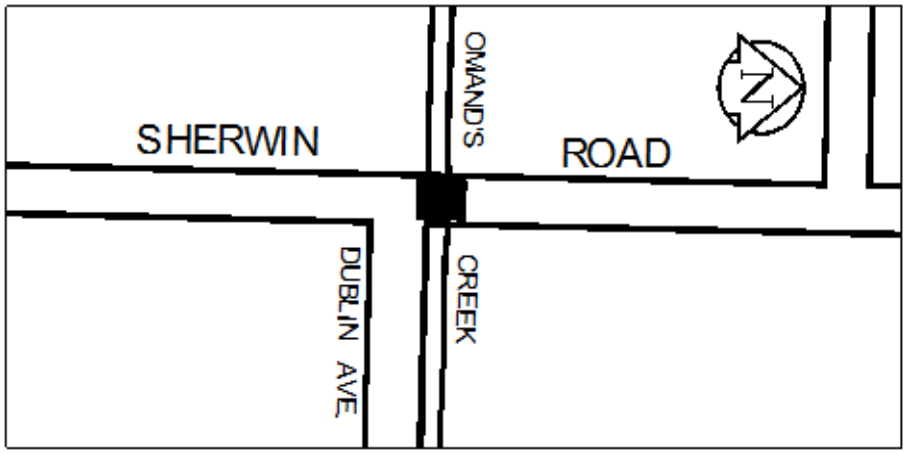
| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 595 | 2,485 | 420 | 3,500 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 595 | 2,485 | 420 | 3,500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 4

2019 - Preliminary and detailed design for replacement of the culvert and improvement of the intersection of Sherwin Road and Dublin Avenue. 2020 - Construction.

The replacement structure will have a service life of 75 years.



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

Department: Public Works
Project: 1805002520
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

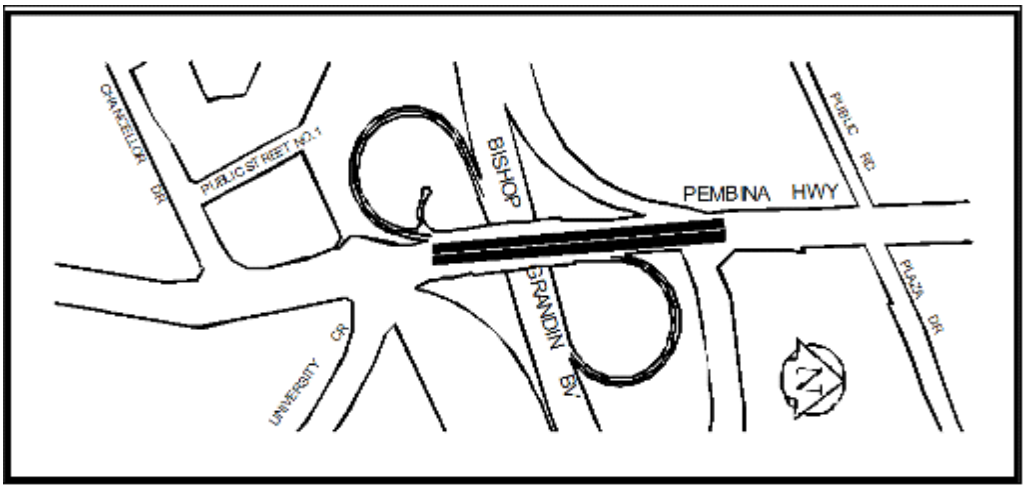
| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 1,000 | 1,000 | 1,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | | 1,000 | 1,000 | 1,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 850 | 150 | 1,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 850 | 150 | 1,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 4

The overpass on Pembina Highway over Bishop Grandin will require bridge deck rehabilitation including reconstruction of the exit loop ramps. Funding shown in 2020 is for preliminary design. Funding will be identified in 2021 for detailed design and construction is expected to be staged over two years in 2022 and 2023. The expected total budget for the rehabilitation work is $30 Million. The rehabilitated structure will provide an additional 50 years of service life.



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

Department: Public Works
Project: 1805000115
Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 15,000 | 18,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 15,000 | 18,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,550 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 450 | 18,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 2,550 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 450 | 18,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 3,000 | 3,000 | 3,000 |
| **Total Direct Costs** | 3,000 | 3,000 | 3,000 |
| Less: Incremental Revenue/Recovery | 153 | 180 | 180 |
| **Net Cost/(Benefit)** | 2,847 | 2,820 | 2,820 |

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**

Department: Public Works
Project: 1805001115
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | * | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,000 | 950 | 910 | 865 | 662 | 650 | 4,037 | 5,037 |
| Federal Gas Tax | | 17,480 | 17,450 | 17,415 | 17,385 | 14,238 | 12,550 | 79,038 | 96,518 |
| Public Private Partnership Annual Service / Financing Payments | | (11,814) | (11,859) | (11,909) | (11,959) | (11,993) | (12,014) | (59,734) | (71,548) |
| Debt servicing - repayment of debt | | (6,666) | (6,541) | (6,416) | (6,291) | (2,907) | (1,186) | (23,341) | (30,007) |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 18,480 | 18,400 | 18,325 | 18,250 | 14,900 | 13,200 | 337,037 | 438,592 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,000 | 950 | 910 | 865 | 662 | 650 | 2,750 | 7,787 |
| Federal Gas Tax | 17,480 | 17,450 | 17,415 | 17,385 | 14,238 | 12,550 | 334,287 | 430,805 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,000 | 950 | 910 |
| **Total Direct Costs** | 1,000 | 950 | 910 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,000 | 950 | 910 |

Class Estimate: 1

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 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 ($1.8 million in 2015) 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 and 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. The outstanding balance of internal financing as at the end of 2014 is $21.7 million and will be repaid over a period of 5 years. Debt servicing represents interest and principal repayment of external debt and internal financing. In the event internal financing was to become unavailable, authority is in place to seek additional external financing.

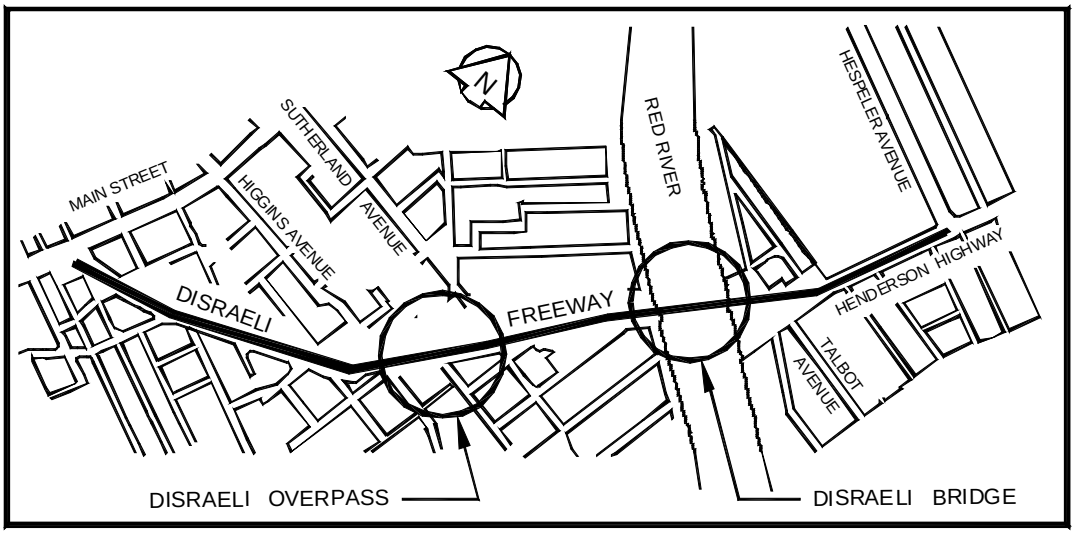
The above annual estimates include the authorization for the lease and financing payments to be incurred and charged to the projects in the General Capital Fund.

***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 December 10, 2014 Council authorized expenditure of up to $3.938 million prior to the adoption of the 2015 Capital Budget as a first charge against the General Capital Fund to make scheduled monthly payments to the P3 contract.

* Council had previously authorized expenditures of $195 million for the construction of the Disraeli Bridge and Overpass Facility. The main facility was opened to traffic in 2012 and the remainder of construction was completed in 2013.



Project Name: **Charleswood Bridge**

Department: Public Works
Project: 1805001015

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

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 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 | 1,478 | 7,390 | 8,868 |
| Public Private Partnership Lease Payments | | (1,478) | (1,478) | (1,478) | (1,478) | (1,478) | (1,478) | (7,390) | (8,868) |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | 5,912 | 14,780 |
| Financed by: | | | | | | | | |
| Cash to Capital - See Note | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | 5,912 | 14,780 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,478 | 1,478 | 1,478 |
| **Total Direct Costs** | 1,478 | 1,478 | 1,478 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,478 | 1,478 | 1,478 |

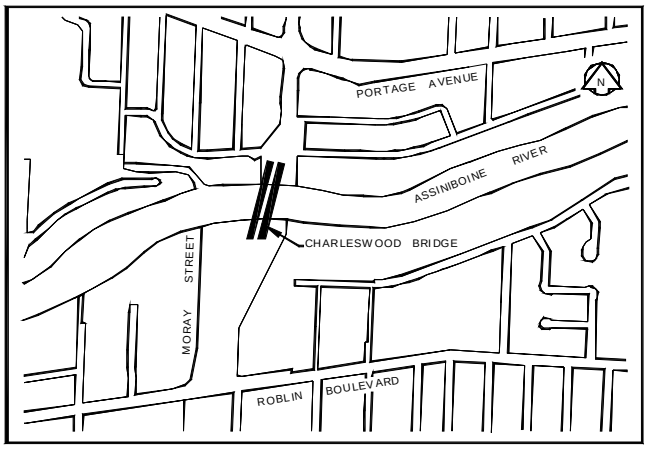
Class Estimate: 1

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.

Note: Cash flow beyond 2020 equals payments to 2024.



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

Department: Public Works
Project: 1801000215
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | * | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 690 | 785 | 860 | 950 | 1,193 | 1,250 | 5,038 | 5,728 |
| Federal Gas Tax | | 6,415 | 6,365 | 6,325 | 6,280 | 6,077 | 6,065 | 31,112 | 37,527 |
| Public Private Partnership Annual Service / Financing Payments | | (6,126) | (6,171) | (6,206) | (6,251) | (6,291) | (6,336) | (31,255) | (37,381) |
| Debt servicing - repayment of debt | | (979) | (979) | (979) | (979) | (979) | (979) | (4,895) | (5,874) |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 7,105 | 7,150 | 7,185 | 7,230 | 7,270 | 7,315 | 180,442 | 223,697 |
| Financed by: | | | | | | | | |
| Cash to Capital | 690 | 785 | 860 | 950 | 1,193 | 1,250 | 69,171 | 74,899 |
| Federal Gas Tax | 6,415 | 6,365 | 6,325 | 6,280 | 6,077 | 6,065 | 111,271 | 148,798 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 690 | 785 | 860 |
| **Total Direct Costs** | 690 | 785 | 860 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 690 | 785 | 860 |

Class Estimate: 1

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 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 ($1.5 million in 2015) 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.

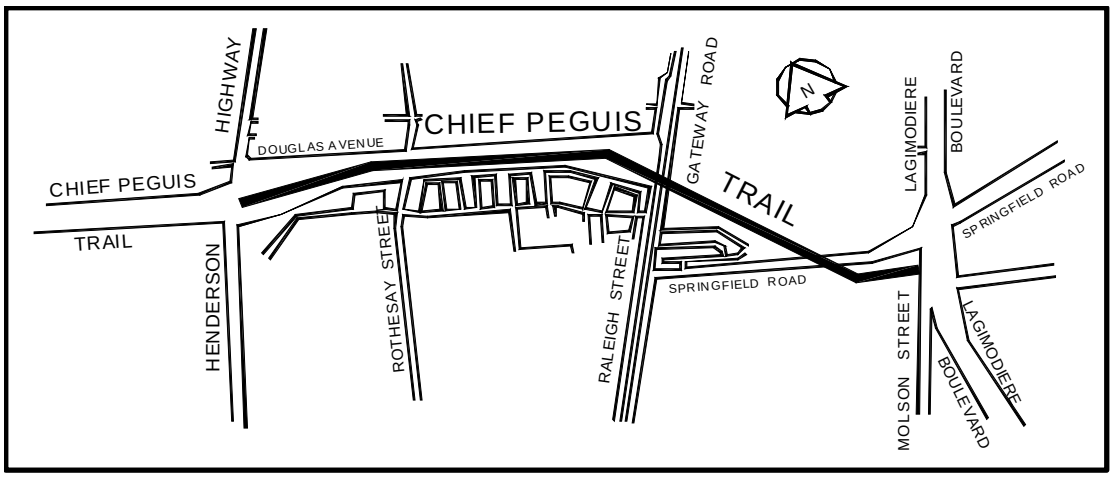
A portion of the project was financed by the City issuing $18.7 million in external debt. The debt servicing above represents the repayment of principal and interest on the external debt associated with the project over a period of 40 years.

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.

On December 10, 2014 Council authorized expenditure of up to $2.042 million prior to the adoption of the 2015 Capital Budget as a first charge against the General Capital Fund to make scheduled monthly payments to the P3 contract.

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

* Council had previously authorized expenditures of $108.5 million for the construction of the Chief Peguis Trail from Henderson Highway to Lagimodiere Boulevard. The facility was opened to traffic in 2011 and the remainder of construction was completed in 2012. 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. In 2014, in order to construct a roundabout at Gateway and Sun Valley, $2 million was transferred from previously authorized amounts to a 2014 Capital Project.



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

Department: Public Works
Project: 1812000117
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | - | 100 | 100 | 100 | 100 | 400 | 400 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 100 | 100 | 100 | 100 | 400 | 400 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 85 | 100 | 100 | 100 | 15 | 400 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 85 | 100 | 100 | 100 | 15 | 400 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | 100 |
| **Total Direct Costs** | - | - | 100 |
| Less: Incremental Revenue/Recovery | | | 4 |
| **Net Cost/(Benefit)** | - | - | 96 |

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 Drainage Sewers - Regional / Local Streets**

Department: Public Works
Project: 1813000115
Service: Land Drainage and Flood Control
OurWinnipeg: Vitality

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 2,500 | 1,300 | 1,300 | 1,300 | 1,300 | 300 | 5,500 | 8,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 2,500 | 1,300 | 1,300 | 1,300 | 1,300 | 300 | 5,500 | 8,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,125 | 1,480 | 1,300 | 1,300 | 1,300 | 450 | 45 | 8,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 2,125 | 1,480 | 1,300 | 1,300 | 1,300 | 450 | 45 | 8,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 2,500 | 1,300 | 1,300 |
| **Total Direct Costs** | 2,500 | 1,300 | 1,300 |
| Less: Incremental Revenue/Recovery | 128 | 89 | 78 |
| **Net Cost/(Benefit)** | 2,372 | 1,211 | 1,222 |

Class Estimate: 3

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 Acquisition - Transportation Right of Way**

Department: Public Works
Project: 1834000115
Service: Transportation Planning and Traffic Management
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 300 | 300 | 300 | 300 | 300 | 300 | 1,500 | 1,800 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 300 | 300 | 300 | 300 | 300 | 300 | 1,500 | 1,800 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | 300 | 300 | 300 | 300 | 300 | - | 1,800 |
| Financed by: | | | | | | | | |
| Cash to Capital | 300 | 300 | 300 | 300 | 300 | 300 | | 1,800 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 300 | 300 | 300 |
| **Total Direct Costs** | 300 | 300 | 300 |
| Less: Incremental Revenue/Recovery | 18 | 18 | 18 |
| **Net Cost/(Benefit)** | 282 | 282 | 282 |

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.

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

Project Name: **Reforestation - Improvements**

Department: Public Works
Project: 1850000115
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 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 | | 383 | 383 | 383 | 383 | 383 | 383 | 1,915 | 2,298 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 326 | 383 | 383 | 383 | 383 | 383 | 57 | 2,298 |
| Financed by: | | | | | | | | |
| Cash to Capital | 326 | 383 | 383 | 383 | 383 | 383 | 57 | 2,298 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 25 | 25 | 25 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 383 | 383 | 383 |
| **Total Direct Costs** | 408 | 408 | 408 |
| Less: Incremental Revenue/Recovery | 10 | 11 | 11 |
| **Net Cost/(Benefit)** | 398 | 397 | 397 |

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

Sustainable urban forest management program may include tree replacement, tree pruning, 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: **Athletic Fields - Improvements**

Department: Public Works
Project: 1852000115
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 124 | 200 | 200 | 200 | 200 | 200 | 1,000 | 1,124 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 124 | 200 | 200 | 200 | 200 | 200 | 1,000 | 1,124 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 124 | 200 | 200 | 200 | 200 | 200 | - | 1,124 |
| Financed by: | | | | | | | | |
| Cash to Capital | 124 | 200 | 200 | 200 | 200 | 200 | | 1,124 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 5 | 5 | 5 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 124 | 200 | 200 |
| **Total Direct Costs** | 129 | 205 | 205 |
| Less: Incremental Revenue/Recovery | 4 | 6 | 6 |
| **Net Cost/(Benefit)** | 125 | 199 | 199 |

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

Athletic field improvements in areas requiring grading, sodding, seeding, irrigation and/or drainage improvements, replacement of backstops, goal posts, and other related park works as required on a site-by-site basis.

2015 - The goal mouths and centre circles will be cut out, fresh soil and new sod placed at four or more of the worst soccer pitches selected from the following sites: Thelma J. Call Park, Don Smith Park, Joe Malone Park, Scurfield Park, Van Wellegham Park, and/or Whyte Ridge Community Centre.

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

Project Name: **Parks - Improvements**

Department: Public Works
Project: 1853000115
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 905 | 650 | 700 | 655 | 655 | 655 | 3,315 | 4,220 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 905 | 650 | 700 | 655 | 655 | 655 | 3,315 | 4,220 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 769 | 688 | 693 | 662 | 655 | 655 | 98 | 4,220 |
| Financed by: | | | | | | | | |
| Cash to Capital | 769 | 688 | 693 | 662 | 655 | 655 | 98 | 4,220 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 35 | 61 | 102 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 905 | 650 | 700 |
| **Total Direct Costs** | 940 | 711 | 802 |
| Less: Incremental Revenue/Recovery | 23 | 21 | 21 |
| **Net Cost/(Benefit)** | 917 | 690 | 781 |

Class Estimate: 3 - 2015 projects only

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

2015 funds will be allocated to two sites: 1) Kildonan Park - Peguis Pavilion Landscape improvements ($605,000) - Pavilion entry plaza/ drop off area lighting, concrete patio repairs, trash disposal area concrete and enclosure, railings, signage, curbs, paving and plantings; and 2) Downtown Dog Park ($300,000).

2016 funds will be allocated to two sites: 1) Crescent Drive Park ($400,000) - New accessible play area with rubber tile safety surface; and 2) King's Park Improvements ($250,000) - Well installation, community consultation and detail drawings for park improvements.

2017 funds will be allocated to two sites: 1) King's Park Improvements including public washrooms, play structure installation, pathways, dog park fencing, shade structure, seating skate change benches, washroom replacement, and improved signage ($600,000); and 2) Leila Strasbourg Park ($100,000).

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

Project Name: **Regional and Community Parks - Buildings**

Department: Public Works
Project: 1854000115
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,350 | - | 1,700 | 850 | 1,300 | 950 | 370 | 5,170 | 5,170 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 1,700 | 850 | 1,300 | 950 | 370 | 5,170 | 5,170 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,445 | 978 | 1,233 | 1,003 | 457 | 54 | 5,170 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 1,445 | 978 | 1233 | 1,003 | 457 | 54 | 5,170 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 1,700 | 850 |
| **Total Direct Costs** | - | 1,700 | 850 |
| Less: Incremental Revenue/Recovery | | 43 | 29 |
| **Net Cost/(Benefit)** | - | 1,657 | 821 |

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

Refurbishment and replacement of aging park buildings.

| Funds will be allocated to: | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Total |
|---|---|---|---|---|---|---|---|
| Kildonan Park - Rainbow Stage refurbishment | | 1,700 | | | | | 1,700 |
| Little Mountain Park - Replace public washroom building | | | 350 | | | | 350 |
| 735 Assiniboine - Replace staff house and renovate garage | | | 500 | | | | 500 |
| St. Vital Park - Replace staff house and garage - relocate on site | | | | 1,300 | | | 1,300 |
| St. Vital Park - Renovate former staff house / public washrooms | | | | | 550 | | 550 |
| Centennial Park - Replace staff building and garage | | | | | 300 | | 300 |
| Assiniboine Park Zoo Complex Sewer Siphon Assiniboine River Crossing - Condition Inspection/ Assessment. | | | | | 100 | | 100 |
| Churchill Drive Park - Replace public washrooms/ garage | | | | | | 370 | 370 |
| | **-** | **1,700** | **850** | **1,300** | **950** | **370** | **5,170** |

Project Name: **Off Leash Dog Park Master Plan**

Department: Public Works
Project: 1853000215
Service: Parks and Urban Forestry
OurWinnipeg: Vitality

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 100 | - | - | - | - | 100 | 100 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 100 | | | | | 100 | 100 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 100 | - | - | - | - | - | 100 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 100 | | | | | | 100 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 100 | |
| **Total Direct Costs** | - | 100 | - |
| Less: Incremental Revenue/Recovery | | 3 | |
| **Net Cost/(Benefit)** | - | 97 | - |

Class Estimate: 3

In order to address a number of concerns with the existing “Guidelines for Off Leash Dog Parks in the City of Winnipeg” an “Off Leash Dog Master Plan” is envisioned. This master plan would build from the existing document, and include a number of other components such as:

- Developing a vision, goals, and objectives for off leash dog parks in Winnipeg,
- Continued research in additional jurisdictions that have off leash dog parks,
- Develop options for off leash dog parks including capital and operating funding alternatives,
- Make recommendations for implementation,
- Complete a broad range of consultation activities including open houses, a web survey to solicit views on dog parks, newsletters, internet input, meetings with stakeholders (including all off leash dog groups and the Winnipeg Humane Society).

Project Name: **Hardsurface Upgrading**

Department: Public Works
Project: 1856000115
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 150 | 150 | 150 | 150 | 150 | 150 | 750 | 900 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 150 | 150 | 150 | 150 | 150 | 150 | 750 | 900 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 128 | 150 | 150 | 150 | 150 | 150 | 22 | 900 |
| Financed by: | | | | | | | | |
| Cash to Capital | 128 | 150 | 150 | 150 | 150 | 150 | 22 | 900 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 150 | 150 | 150 |
| **Total Direct Costs** | 150 | 150 | 150 |
| Less: Incremental Revenue/Recovery | 4 | 5 | 5 |
| **Net Cost/(Benefit)** | 146 | 145 | 145 |

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

Upgrading of plazas, pathways, roadways, tennis courts, basketball courts and skate board parks at various parks locations.

2015: Replace priority failed unit paver paths around Island Lakes Retention Ponds.

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

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

Department: Public Works
Project: 1857000115
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 2,800 | 3,300 | 3,300 | 3,300 | 3,300 | 3,300 | 16,500 | 19,300 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 2,800 | 3,300 | 3,300 | 3,300 | 3,300 | 3,300 | 16,500 | 19,300 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,380 | 3,225 | 3,300 | 3,300 | 3,300 | 3,300 | 495 | 19,300 |
| Financed by: | | | | | | | | |
| Cash to Capital | 2,380 | 3,225 | 3,300 | 3,300 | 3,300 | 3,300 | 495 | 19,300 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 160 | 259 | 358 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 2,800 | 3,300 | 3,300 |
| **Total Direct Costs** | 2,960 | 3,559 | 3,658 |
| Less: Incremental Revenue/Recovery | 143 | 194 | 198 |
| **Net Cost/(Benefit)** | 2,817 | 3,365 | 3,460 |

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

The Parks and Recreation Enhancement Program is focused on playground structure and park amenity replacement (including park signage, park furniture, fencing, lighting, pathways, hard surfacing, vegetation, and play equipment) and other parks and recreation enhancements.

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

Project Name: **Insect Control - Replace 3 Grey Street Operations Building**

Department: Public Works
Project: 1858000315
Service: Insect Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 300 | - | 732 | - | - | - | 732 | 1,032 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 300 | | 732 | | | | 732 | 1,032 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | - | 732 | - | - | - | - | 1,032 |
| Financed by: | | | | | | | | |
| Cash to Capital | 300 | | 732 | | | | | 1,032 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 300 | | 732 |
| **Total Direct Costs** | 300 | - | 732 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 300 | - | 732 |

Class Estimate: 4

The Insect Control Operations Building at 3 Grey Street is a late 1940's structure that requires replacement. The site has been in operation since the late 1920's and received environmental remediation for soil contamination in 2007.

2015 - A full set of architectural design drawings for a new facility will be developed based on the 2014 program scoping and site. A site layout plan to optimize traffic flow, security and parking allocation will be included. A Class 3 cost estimate will be produced to assist in developing the capital business case for the construction of a new facility.

2017 - Preparation of construction documents and a bid opportunity subject to funding for construction in 2018.

Project Name: **Urban Forest Enhancement Program**

Department: Public Works
Project: 1850000215
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 6,500 | 7,800 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 6,500 | 6,500 |
| Transfer from Prior Year Authorization (2014 DED Strategy) | | 1,300 | | | | | | - | 1,300 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | - | 7,800 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | | 6,500 |
| Transfer from Prior Year Authorization (2014 DED Strategy) | 1,300 | | | | | | | 1,300 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 1,300 | 1,300 |
| **Total Direct Costs** | - | 1,300 | 1,300 |
| Less: Incremental Revenue/Recovery | 39 | 39 | 39 |
| **Net Cost/(Benefit)** | (39) | 1,261 | 1,261 |

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

This program will include the following types of work which will be prioritized by need annually: removal of high risk trees (standing dead or dying), planting of 1.5" to 2.5" caliper stock, installation of tree vaults and silva cells along major routes (coordinate with street and sidewalk renewals where possible), planting of small caliper and bare route tree stock at appropriate sites.

The 2015 program would see $420,000 allocated to remove over 350 high risk trees and $280,000 allocated to plant approximately 350 large caliper trees.

The 2015 budget includes $600,000 for the Dutch Elm Disease (DED) program - completion of private tree inventory ($100,000) and replacement of public trees lost due to Dutch Elm Disease ($500,000).

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

Project Name: **Community Incentive Grant Program**

Department: Community Services
Project: 6251000115

Service: Neighbourhood Revitalization
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,746 | 1,665 | 1,698 | 1,732 | 1,767 | 1,802 | 8,664 | 10,410 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,632 | 1,665 | 1,698 | 1,732 | 1,767 | 1,802 | 8,664 | 10,296 |
| Transfer from Prior Year Authorization (2008 and 2009 Community Incentive Grant Program) | | 114 | | | | | | | 114 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,746 | 1,665 | 1,698 | 1,732 | 1,767 | 1,802 | - | 10,410 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,632 | 1,665 | 1,698 | 1,732 | 1,767 | 1,802 | | 10,296 |
| Transfer from Prior Year Authorization (2008 and 2009 Community Incentive Grant Program) | 114 | | | | | | | 114 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,632 | 1,665 | 1,698 |
| **Total Direct Costs** | 1,632 | 1,665 | 1,698 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,632 | 1,665 | 1,698 |

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.

On January 25, 2007, Council, with approval of the 2007 - 2012 Capital budget program, approved a 2% annual increase to the Community Incentive Grant Program. The forecast assumes the continuation of this 2% increase each year.

Included in 2015 is $114,000 rebudgeted from the adopted 2008 and 2009 capital programs that will be closed. This represents Councillor and Community Committee approved CIGP requests from the 2008 and 2009 capital budget that will be paid to the recipients once the projects are completed.

As this is a capital grant program, it is exempt from the following overhead: 1% administration, 2% interest charges.

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

Project Name: **Library Interior Infrastructure Replacement Program**

Department: Community Services
Project: 6211000515
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 100 | 200 | 300 | 306 | 312 | 318 | 1,436 | 1,536 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 100 | 200 | 300 | 306 | 312 | 318 | 1,436 | 1,536 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | 200 | 300 | 306 | 312 | 318 | - | 1,536 |
| Financed by: | | | | | | | | |
| Cash to Capital | 100 | 200 | 300 | 306 | 312 | 318 | | 1,536 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 100 | 200 | 300 |
| **Total Direct Costs** | 100 | 200 | 300 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 100 | 200 | 300 |

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

Continued capital funding is required to replace library interior infrastructure (e.g. workstations, public work space, furniture, shelving and childrens' literacy areas) that is heavily used and subject to wear and tear. In addition, changing technology requires updated workstation and furniture requirements. Much of the interior infrastructure are from the original opening of those facilities. Replacement is required in order to ensure that library branches contain furniture and shelving that is safe, functional, accessible and part of a welcoming environment for library users.

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

Project Name: **Library Facility Redevelopment - River Heights Library**

Department: Community Services
Project: 6213002115
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | 500 | 5,060 | - | - | - | - | 5,060 | 5,560 |
| Financed by: | | | | | | | | | |
| External Debt | | 500 | 5,060 | | | | | 5,060 | 5,560 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 5,060 | - | - | - | - | - | 5,560 |
| Financed by: | | | | | | | | |
| External Debt | 500 | 5,060 | | | | | | 5,560 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | 18 | 231 | 425 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 18 | 231 | 425 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 18 | 231 | 425 |

Class Estimate: 5

Capital funds are projected based on the "Library Facility Redevelopment Strategy" June 2012 administrative report. Funds are necessary to replace and furnish modern, safe, and accessible libraries that are able to accommodate the changing needs of library users.

The Library Redevelopment Strategy includes a plan for eight existing city library facilities:

Charleswood, Windsor Park - Boni-Vital site and St. Vital

Transcona

River Heights

Westwood

St. James

West Kildonan

Capital funding in 2014 is for preliminary planning purposes with additional funding required in 2015 for site selection, design and architectural plans to provide a Class 3 Estimate. Construction is planned for 2016.

Capital funds in 2016 include $4.760 million for the construction of River Heights Library and an additional $300,000 for interior infrastructure (e.g. workstations, public work space, furniture and shelving) at the library. $5.660 million is included in the projections of the "Library Facility Redevelopment Strategy".

Final authorization(s) for each library facility are dependent on separate report(s) to Council outlining lease vs. build options for each new facility.

Incremental operating funds required for each library branch redevelopment will be included in the Operating Budget as each library branch project comes forward for final approval, therefore, no operating costs are noted above.

Project Name: **Library Facility Redevelopment - Westwood Library**

Department: Community Services
Project: 6213003117
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | - | 1,468 | - | - | - | 1,468 | 1,468 |
| Financed by: | | | | | | | | | |
| External Debt | | | | 1,468 | | | | 1,468 | 1,468 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,468 | - | - | - | - | 1,468 |
| Financed by: | | | | | | | | |
| External Debt | | | 1,468 | | | | | 1,468 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | 56 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | 56 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | 56 |

Class Estimate: 5

Capital funds are projected based on the "Library Facility Redevelopment Strategy" June 2012 administrative report. Funds are necessary to replace and furnish modern, safe, and accessible libraries that are able to accommodate the changing needs of library users.

The Library Redevelopment Strategy includes a plan for eight existing city library facilities:

Charleswood, Windsor Park - Boni-Vital site and St. Vital

Transcona

River Heights

Westwood

St. James

West Kildonan

Capital funding in 2014 was approved for planning and evaluation of library replacement options (including lease options).

Capital leasehold improvement funds in 2017 include $1.168 million for Westwood Library and additional $300,000 for interior infrastructure (e.g. workstations, public work space, furniture and shelving) at the library. Both the $1.168 million and $300,000 are included in the projections of the "Library Facility Redevelopment Strategy".

Final authorization(s) for each library facility are dependent on separate report(s) to Council outlining lease vs. build options for each new facility.

Incremental operating funds required for each library branch redevelopment will be included in the Operating Budget as each library branch project comes forward for final approval, therefore, no operating costs are noted above.

Project Name: **Library Facility Redevelopment - St. James Library**

Department: Community Services
Project: 6213000118
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 6,492 | - | - | 6,492 | 6,492 |
| Financed by: | | | | | | | | | |
| External Debt | | | | | 6,492 | | | 6,492 | 6,492 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 6,492 | - | - | - | 6,492 |
| Financed by: | | | | | | | | |
| External Debt | | | | 6,492 | | | | 6,492 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 5

Capital funds are projected based on the "Library Facility Redevelopment Strategy" June 2012 administrative report. Funds are necessary to replace and furnish modern, safe, and accessible libraries that are able to accommodate the changing needs of library users.

The Library Redevelopment Strategy includes a plan for eight existing city library facilities:

Charleswood, Windsor Park - Boni-Vital site and St. Vital

Transcona

River Heights

Westwood

St. James

West Kildonan

Capital funds in 2018 include $6.192 million for the construction of St. James Library and an additional $300,000 for interior infrastructure (e.g. workstations, public work space, furniture and shelving) at the library. Both the $6.192 million and $300,000 are included in the projections of the "Library Facility Redevelopment Strategy".

Final authorization(s) for each library facility are dependent on separate report(s) to Council outlining lease vs. build options for each new facility.

Incremental operating funds required for each library branch redevelopment will be included in the Operating Budget as each library branch project comes forward for final approval, therefore, no operating costs are noted above.

Project Name: **Library Refurbishment and Redevelopment Program - Existing Infrastructure**

Department: Community Services
Project: 6210634116
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 500 | 500 | 510 | 520 | 530 | 2,560 | 2,560 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 500 | 500 | 510 | 520 | 530 | 2,560 | 2,560 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 500 | 500 | 510 | 520 | 530 | - | 2,560 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 500 | 500 | 510 | 520 | 530 | | 2,560 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 500 | 500 |
| **Total Direct Costs** | - | 500 | 500 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 500 | 500 |

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

This capital program is required to support ongoing renovations of existing library branch infrastructure that cannot be supported within the Municipal Accommodations capital budget. Funding will be used to undertake minor and major construction projects in order to improve library facilities to meet the changing needs of library users.

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

Project Name: **Millennium Library "Maker Space" Project**

Department: Community Services
Project: 6210634216
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 562 | - | 562 | 562 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 562 | | 562 | 562 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 562 | - | - | 562 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 562 | | | 562 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

The Millennium Library is a major public resource for early childhood literacy, leisure activity, life-long learning and information access. Recent trends in public library service and the growing customer demand for hands-on access to new technologies have led to the emergence of "Maker" or "Creation" spaces in library facilities. "Maker Space" provides a designated area to offer the public the opportunity to use such technology as 3-D printers, Espresso Book (publishing) machine, digital conversion hardware, and gaming consoles. This capital program is required to support the library's evolution from simply providing public access to computers to developing designated spaces for creative, interactive and collaborative use of technology by library users.

Project Name: **Library Refurbishment and Redevelopment Program - Existing Infrastructure: Cornish Library**

Department: Community Services
Project: 6210634115
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | 2,250 | - | - | - | - | - | - | 2,250 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,000 | | | | | | - | 1,000 |
| Winnipeg Library Foundation | | 1,250 | | | | | | | 1,250 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,250 | - | - | - | - | - | - | 2,250 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,000 | | | | | | | 1,000 |
| Winnipeg Library Foundation | 1,250 | | | | | | | 1,250 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External 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 | - | - |

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

Capital funding is required to support major renovations at the Cornish Library, 20 Westgate Avenue, in partnership with the Winnipeg Library Foundation. The estimated total project costs is $2.680 million funded as follows:

- $1,250,000 Community Services Department

- $1,250,000 Winnipeg Library Foundation

- $180,000 Planning, Property and Development Municipal Accommodations Division

Winnipeg Library Services expects to receive matching funds from the Winnipeg Library Foundation through their initiatives by the end of 2015. If these funds do not meet the expected amount of $1.250 million, the scope of the project will be scaled back to fit within the available funding.

Capital funding in 2014 is for a structural assessment of the library and to commission architectural plans.

Funding contribution from Planning, Property and Development Municipal Accommodations Division is estimated at $180,000 and is included in the Planning, Property and Development Municipal Accommodations Division's capital budget.

Project Name: **Library Refurbishment and Redevelopment Program - Existing Infrastructure: St. John's Library**

Department: Community Services
Project: 6210634215
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | 2,250 | - | - | - | - | - | - | 2,250 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,000 | | | | | | - | 1,000 |
| Winnipeg Library Foundation | | 1,250 | | | | | | | 1,250 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,250 | - | - | - | - | - | - | 2,250 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,000 | | | | | | | 1,000 |
| Winnipeg Library Foundation | 1,250 | | | | | | | 1,250 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External 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 | - | - |

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

Capital funding is required to support major renovations at the St. John's Library, 500 Salter Street, in partnership with the Winnipeg Library Foundation. The estimated total project costs is $2.575 million funded as follows:

- $1,250,000 Community Services Department

- $1,250,000 Winnipeg Library Foundation

- $75,000 Planning, Property and Development Municipal Accommodations Division

Winnipeg Library Services expects to receive matching funds from the Winnipeg Library Foundation through their initiatives by the end of 2015. If these funds do not meet the expected amount of $1.250 million, the scope of the project will be scaled back to fit within the available funding.

Capital funding in 2014 is for a structural assessment of the library and to commission architectural plans.

Funding contribution from Planning, Property and Development Municipal Accommodations Division is estimated at $75,000 and is included in the Planning, Property and Development Municipal Accommodations Division's capital budget.

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

Department: Community Services
Project: 626200015

Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 500 | 500 | 500 | 510 | 520 | 530 | 2,560 | 3,060 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 500 | 500 | 500 | 510 | 520 | 530 | 2,560 | 3,060 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 500 | 500 | 510 | 520 | 530 | - | 3,060 |
| Financed by: | | | | | | | | |
| Cash to Capital | 500 | 500 | 500 | 510 | 520 | 530 | | 3,060 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 100 | 150 | 150 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 500 | 500 | 500 |
| **Total Direct Costs** | 600 | 650 | 650 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 600 | 650 | 650 |

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. Annual 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 services 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 digitization projects.

The acquisition of Information Technology has an impact on the Winnipeg Library Services operating budget due to maintenance and/or licensing costs associated with equipment and applications. The estimated annual operating costs for maintenance and licensing is $100,000 in 2015 increasing to $150,000 in 2016.

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

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

Department: Community Services
Project: 62500000115
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 150 | 153 | 156 | 159 | 162 | 165 | 795 | 945 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 150 | 153 | 156 | 159 | 162 | 165 | 795 | 945 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | 153 | 156 | 159 | 162 | 165 | - | 945 |
| Financed by: | | | | | | | | |
| Cash to Capital | 150 | 153 | 156 | 159 | 162 | 165 | | 945 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 150 | 153 | 156 |
| **Total Direct Costs** | 150 | 153 | 156 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 150 | 153 | 156 |

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

This capital program addresses workplace and public safety, health, and accessibility issues that are not part of the current service level agreement with the Municipal Accommodations Division of the Planning, Property and Development Department.

Recreation facility amenities must be refurbished to meet public health and safety standards, regulation, and to enhance facilities to meet the needs of the public including accessibility (washrooms, change rooms, signage, public entranceways, etc.) and accessible family amenities (specialty change rooms).

Capital funding is required to address:

1. Safety and security issues including replacement of outdated CCTV security monitoring systems. New demands require new and improved security for staff while performing their duties and increased surveillance of non-staffed space within our buildings, both for patron safety and theft prevention within and immediately outside of aquatic and recreation facilities. Also included is replacement of outdated Automated External Defibrillators (AED) equipment, lighting upgrades and enhanced signage.

2. Accessibility issues 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.

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

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

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

Department: Community Services
Project: 6210634515
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 200 | 306 | 312 | 318 | 324 | 330 | 1,590 | 1,790 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | 306 | 312 | 318 | 324 | 330 | 1,590 | 1,790 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 306 | 312 | 318 | 324 | 330 | - | 1,790 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | 306 | 312 | 318 | 324 | 330 | | 1,790 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 200 | 306 | 312 |
| **Total Direct Costs** | 200 | 306 | 312 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 200 | 306 | 312 |

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

Capital funding is required to address three areas:

1. 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.

2. Safety issues need to be addressed in many libraries including upgrading lighting, installing video monitoring technology, regular landscape maintenance, and other building upgrades as required to ensure that libraries remain safe and welcoming to the community and deter vandalism and graffiti.

3. Accessibility issues 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.

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

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

Project Name: **Business Application Systems**

Department: Community Services
Project: 6260000117

Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | - | - | 250 | 306 | 312 | - | 868 | 868 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 250 | 306 | 312 | | 868 | 868 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 250 | 306 | 312 | - | - | 868 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 250 | 306 | 312 | | | 868 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | 250 |
| **Total Direct Costs** | - | - | 250 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | 250 |

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

Capital funding is required for the upgrade and/or implementation of business application systems within the Community Services Department and/or City as a whole (e.g., Class, Amanda, E-Cash, Neighbourhoods of Winnipeg [neighbourhood profiles]) to improve the delivery of public services. These systems will be designed to introduce new technologies, to integrate with other departmental and corporate systems, and to incorporate web services to customers where possible. This project will provide more convenient, efficient and cost-effective public service.

Project Name: **Recreation Equipment Program**

Department: Community Services
Project: 6251000215
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 200 | - | 608 | - | 400 | - | 1,008 | 1,208 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | | 608 | | 400 | | 1,008 | 1,208 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | 608 | - | 400 | - | - | 1,208 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | | 608 | | 400 | | | 1,208 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 200 | | 608 |
| **Total Direct Costs** | 200 | - | 608 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 200 | - | 608 |

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

Capital funding is required to purchase recreation equipment to meet the program needs of patrons in new and/or expanded recreation and aquatic facilities, including but not limited to the following facilities that are scheduled for construction and/or renovation over the next several years: Westdale Outdoor Pool, St. Vital Outdoor Pool, Seven Oaks Indoor Pool, Sherbrook Indoor Pool, St. James Civic Centre and Transcona Centennial Pool.

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

Project Name: **East Elmwood Leisure Centre Amenities and Equipment**

Department: Community Services
Project: 6251000315

Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 225 | 208 | - | - | - | - | 208 | 433 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 225 | 208 | | | | | 208 | 433 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 225 | 208 | - | - | - | - | - | 433 |
| Financed by: | | | | | | | | |
| Cash to Capital | 225 | 208 | | | | | | 433 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 225 | 208 | |
| **Total Direct Costs** | 225 | 208 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 225 | 208 | - |

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

Capital funding is required for the replacement and enhancement of amenities and equipment lost as a result of a fire at the East Elmwood Community Centre in early 2011. The new facility, the East Elmwood Leisure Centre, will be larger than the original facility requiring additional investment in equipment to support recreation and sports programs. Due to the broader scope of the new facility, insurance proceeds are insufficient to purchase the required amenities and equipment.

Project Name: **Fitness Equipment Upgrade Program**

Department: Community Services
Project: 625100415
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 239 | 222 | 233 | 227 | 230 | 1,151 | 1,151 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 239 | 222 | 233 | 227 | 230 | 1,151 | 1,151 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 239 | 222 | 233 | 227 | 230 | - | 1,151 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 239 | 222 | 233 | 227 | 230 | | 1,151 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 239 | 222 |
| **Total Direct Costs** | - | 239 | 222 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 239 | 222 |

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 10 multi-use recreation and aquatic facilities to continue to meet the program needs of patrons and minimize safety issues that could arise from aging fitness equipment.

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

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

Department: Community Services
Project: 6262000118

Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | - | - | 306 | - | - | 306 | 306 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 306 | | | 306 | 306 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 306 | - | - | - | 306 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 306 | | | | 306 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

Capital funding is required every three to four years in order to maintain life cycle replacement schedules of existing hardware as the Computer Replacement Reserve will be insufficient to meet required needs.

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

Project Name: **Recreation Facility Replacement - New Infrastructure**

Department: Community Services
Project: 6253000117
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 350 | - | - | 3,801 | - | 7,062 | - | 10,863 | 10,863 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 3,801 | | 7,062 | | 10,863 | 10,863 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 3,801 | - | 7,062 | - | - | 10,863 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 3,801 | | 7,062 | | | 10,863 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | 3,801 |
| **Total Direct Costs** | - | - | 3,801 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | 3,801 |

Class Estimate: 5

These project funds are necessary for new infrastructure to service growth and to replace existing aging infrastructure to meet citizen demand for contemporary recreational amenities. Replacement of existing facilities may result in consolidation or closing of existing facilities to meet the requirements in the Recreation Leisure and Library Facility Policy approved by Council on May 18, 2005. The City is working towards the consolidation of facilities in all future developments with a focus on developing multi-use facilities (e.g. libraries, water amenities, fitness facilities, skateboard parks, basketball courts, arenas).

Capital funding in 2014 is to commission a feasibility study to determine the scope and level 3 estimate for the development of an integrated multi-use Community Campus in the expanding Waverley West Community. Population growth and new development in the south west quadrant of the city increases the need to replace or expand recreation amenities to meet the citizen demand.

Funding in 2017 and 2019 is for future projects that could include joint use facilities, multi-use recreation and leisure facilities, and stand alone facilities in the Waverley West Community based on the results of the 2014 feasibility study (Recreation, Leisure and Library Facility Policy). A first call in 2016 on a portion of the 2017 capital budget may be required.

Project Name: **Pan Am Pool**

Department: Community Services
Project: 6251000215

Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,000 | 1,400 | - | - | - | - | 1,400 | 2,400 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,000 | 1,400 | | | | | 1,400 | 2,400 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 1,400 | - | - | - | - | - | 2,400 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,000 | 1,400 | | | | | | 2,400 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,000 | 1,400 | |
| **Total Direct Costs** | 1,000 | 1,400 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,000 | 1,400 | - |

Class Estimate: 4

Capital funding is required to support facility renovations, upgrades, enhancements and parking lot expansion at the Pan Am Pool.

In 2015 capital funding of up to $100,000 is required to commission a feasibility study to determine the scope of required facility upgrades and enhancements to amenities such as touch pad and timing devices, competition scoreboard, starting blocks, locker room enhancements including renovation of specialty change rooms, and way finding signage. An additional amount of up to $900,450 is required to expand the existing parking lot including, but not limited to, the following areas: loop roadway, service, waiting and loading areas, handicap parking, along with landscaping. In 2016 capital funding of up to $1,400,000 is required to complete the facility renovations, upgrades and enhancements.

Community Services and the Municipal Accommodations Division of the Planning, Property and Development Department have jointly identified a need to expand, repair and enhance the parking lot at Pan Am Pool. The project has been segmented to five "areas" with areas 1 and 2 being expansion of the parking lot and areas 3, 4 and 5 being repairs and enhancements to the existing parking lot. Community Services has included funding for areas 1 and 2 and landscaping. The Municipal Accommodations Division of the Planning, Property and Development Department's Pan Am Indoor Pool - Parking Lot Expansion capital project provides funding in 2016 and 2017 for areas 3, 4, and 5 for repair and enhancement of the existing parking lot.

The parking lot expansion is supported by a Class 4 estimate. The facility renovations, upgrades and enhancements project are supported by a class 5 estimate as the feasibility study early in 2015 will drive the Request for Proposal estimate. The facility renovations, upgrades and enhancements project may be scalable depending on the results of the study. Full completion of the projects is anticipated in advance of the Canada Summer Games which are planned for the summer of 2017.

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

Department: Community Services
Project: 6252000115

Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 965 | 965 | 965 | 965 | 965 | 965 | 4,825 | 5,790 |
| Financed by: | | | | | | | | | |
| Land Operating Reserve | | 965 | 965 | 965 | 965 | 965 | 965 | 4,825 | 5,790 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 965 | 965 | 965 | 965 | 965 | 965 | - | 5,790 |
| Financed by: | | | | | | | | |
| Land Operating Reserve | 965 | 965 | 965 | 965 | 965 | 965 | | 5,790 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: Not applicable

The Community Centre Renovation Grant Program (CCRGP), approved in January 2012, provides dedicated funding to renovation projects for city-owned, board-run community centres in order to maintain and/or improve community centre infrastructure. The program is open to all GCWCC community centres in Winnipeg, is subject to an application process with an intake period of once per year, project evaluation completed by a joint committee of GCWCC and the City, with maximum City contributions to each project of $50,000 per project.

The creation of the annual CCRGP of up to $965,000 each year 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 2015 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 2013).

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 (i.e. $235,000 programming grant + $965,000 for the CCRGP) aggregate amount 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.

On March 12, 2014 Council approved that the City of Winnipeg waive the Community Centre Renovation Grant Program criteria to provide a CCRGP grant to the Garden City Community Centre in the amount of $50,000 annually in 2015 and 2016.

On September 24, 2014 Council adopted a first charge of $150,000 in 2014 prior to the adoption of the 2015 Capital Budget for the Transcona East End Community Club Arena Expansion project.

As this is a capital grant program, it is exempt from the following overhead: 1% administration, 2% interest 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**

Department: Community Services
Project: 6206402015
Service: Arts, Entertainment and Culture
OurWinnipeg: Creativity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 5,123 | 5,123 | 5,123 | 5,123 | 5,123 | 2,000 | 22,492 | 27,615 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 5,123 | 5,123 | 5,123 | 5,123 | 5,123 | 2,000 | 22,492 | 27,615 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,123 | 5,123 | 5,123 | 5,123 | 5,123 | 2,000 | - | 27,615 |
| Financed by: | | | | | | | | |
| Cash to Capital | 5,123 | 5,123 | 5,123 | 5,123 | 5,123 | 2,000 | | 27,615 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 5,123 | 5,123 | 5,123 |
| **Total Direct Costs** | 5,123 | 5,123 | 5,123 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 5,123 | 5,123 | 5,123 |

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 project was 2010 ($5.123 million each year from 2010 to 2013).

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

On April 24, 2013 Council adopted a first charge on the 2014 Capital Budget of up to $3.123 million prior to the adoption of the 2014 Capital Budget to allow for the timely replacement of the Zoo South Gate project.

On December 17, 2013 Council adopted a first charge of up to $2.082 million in 2014 or prior to the adoption of the 2015 Capital Budget to facilitate timely work on the Infrastructure and Sustainability Plan.

A recommendation to Council to adopt a first charge of up to $1.041 million in 2015 or prior to the adoption of the 2016 Capital Budget is required to facilitate timely work on the infrastructure and Sustainability Plan.

As this project is a capital grant, it is exempt from the following overhead: 1% administration, 2% interest 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) - Capital Development Plan**

Department: Community Services
Project: 6206404015
Service: Arts, Entertainment and Culture
OurWinnipeg: Creativity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 28,603 | 5,700 | - | - | - | - | - | - | 5,700 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 5,700 | | | | | | | 5,700 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,700 | - | - | - | - | - | - | 5,700 |
| Financed by: | | | | | | | | |
| Cash to Capital | 5,700 | | | | | | | 5,700 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 5,700 | - | - |
| **Total Direct Costs** | 5,700 | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 5,700 | - | - |

Class Estimate: Not applicable

These capital dollars represent the City's ongoing commitment to the Assiniboine Park Conservancy - Capital Development Plan which is subject to a maximum contribution of 25% of the total capital costs based on APC's Ten-Year Capital Development Plan (2010 - 2019). APC is required to obtain matching funds from private sector donations and senior government contributions.

Based upon the APC Capital Development Plan, APC will submit on an annual basis its request for the City's contribution for the following funding year's development plan project(s). APC will include detailed information on planned projects including total costs and other funding sources. As Development Plans are completed, or require revision as time progresses, APC will develop and present new and amended Development Plans for Council approval.

In 2010 (the first year for this capital project), $2.849 million was provided towards the Nature Playground and Duck Pond expansion project. 2011 and 2012 funding were each $4.5 million. The 2013 adopted budget was $7.503 million and 2014 adopted budget was $9.251 million. A total of $33.103 million has been provided to APC for the Capital Development Plan as of October 2014.

On June 25, 2014 Council authorized the expenditure of up to $4.5 million for the APC - Capital Development Plan prior to the adoption of the 2015 Capital Budget as a first charge against the General Capital Fund relative to the Journey to Churchill project subject to the City and APC entering into a supplemental funding agreement. This was released in July/August 2014.

The 2015 capital budget provides an additional $1.2 million over the $4.5 million already paid to APC as a first charge against the 2015 budget.

The total funds provided to APC for the Capital Development Plan will be $34.3 million as at December 31, 2015.

This capital grant is exempt from the following overhead: 1% administration, 2% interest charges.

Project Name: **Trunk Radio System**

Department: Winnipeg Police Service
Project: 2202200016

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 2,000 | 5,280 | - | - | - | - | 5,280 | 7,280 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 2,000 | 5,280 | | | | | 5,280 | 7,280 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,000 | 5,280 | - | - | - | - | - | 7,280 |
| Financed by: | | | | | | | | |
| Cash to Capital | 2,000 | 5,280 | | | | | | 7,280 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 2,000 | 5,280 | |
| **Total Direct Costs** | 2,000 | 5,280 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 2,000 | 5,280 | - |

Class Estimate: 3

To provide a system wide infrastructure for trunk radio, console and flash radio upgrades. The existing vendor will not support the system past 2016 which is the end of system's life, and it is unknown what will replace the fleetnet radio system after this time. This project will be implemented in conjunction with the Winnipeg Fire Paramedic Service (and other City departments) as they are also impacted.

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

Department: Winnipeg Police Service
Project: 2201700014

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 490 | - | - | - | - | 490 | 490 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 490 | | | | | 490 | 490 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 490 | - | - | - | - | - | 490 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 490 | | | | | | 490 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 490 | |
| **Total Direct Costs** | - | 490 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 490 | - |

Class Estimate: 3

New District 3 (North Station) Information Technology requirements.

Project Name: **Police Divisions Systems Upgrades**

Department: Winnipeg Police Service
Project: 2201100014
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,166 | 2,986 | 1,400 | - | - | - | - | 1,400 | 4,386 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 2,986 | 1,400 | | | | | 1,400 | 4,386 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,986 | 1,400 | - | - | - | - | - | 4,386 |
| Financed by: | | | | | | | | |
| Cash to Capital | 2,986 | 1,400 | | | | | | 4,386 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 2,986 | 1,400 | |
| **Total Direct Costs** | 2,986 | 1,400 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 2,986 | 1,400 | - |

Class Estimate: 3

The Police Service has identified a number of long-term information upgrades required including:

| In 000s | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Total |
|---|---|---|---|---|---|---|---|
| Independent internet access | | 100 | | | | | 100 |
| Email Exchange Storage | 100 | | | | | | 100 |
| Document and Management System for Human Resources | 210 | | | | | | 210 |
| Work Order and Service Desk Tracking System | 66 | | | | | | 66 |
| Intelligence Led Reporting | 600 | | | | | | 600 |
| Replacement of Crime Analysis System to help determine trends in crime activities | 660 | | | | | | 660 |
| Integrated Child Exploitation System Software (LACE Upgrade) | 500 | | | | | | 500 |
| Electronic Collision Reporting System | 150 | | | | | | 150 |
| CAD upgrade switched to new networking system for Police/ City | 700 | 1,000 | | | | | 1,700 |
| East District Station server upgrade | | 300 | | | | | 300 |
| | **2,986** | **1,400** | **-** | **-** | **-** | **-** | **4,386** |

Project Name: **Radio Upgrade for Districts 3 and 4**

Department: Winnipeg Police Service
Project: 2202300016
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 490 | - | - | - | - | 490 | 490 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 490 | | | | | 490 | 490 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 490 | - | - | - | - | - | 490 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 490 | | | | | | 490 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 490 | |
| **Total Direct Costs** | - | 490 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 490 | - |

Class Estimate: 3

The Police Service conducted an upgrade on a majority of its radios in 2008 and 2009. This submission requests funding to replace radios in Districts 3 and 4 which were done earlier than the major upgrade in 2006.

Project Name: **Mobile and Transient Users**

Department: Winnipeg Police Service
Project: 2202600016
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 250 | - | - | - | - | 250 | 250 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 250 | | | | | 250 | 250 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 250 | - | - | - | - | - | 250 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 250 | | | | | | 250 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 250 | |
| **Total Direct Costs** | - | 250 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 250 | - |

Class Estimate: 3

Funding is required in order that all police members can access their computer information from any existing police computer terminal.

Project Name: **Major Case Management System Expansion**

Department: Winnipeg Police Service
Project: 2202700017

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,158 | - | - | 500 | - | 1,658 | 1,658 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 1,158 | | | 500 | | 1,658 | 1,658 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,158 | - | - | 500 | - | - | 1,658 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 1,158 | | | 500 | | | 1,658 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 1,158 | |
| **Total Direct Costs** | - | 1,158 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 1,158 | - |

Class Estimate: 3

The Service requires a software tool in conjunction with concept training to complete investigations to today's professional standards. This tool will identify gaps in investigation accountability, particularly in unsolved files, provide a mechanism to forward unsolved files in an electronic format, and allow better use of resources.

The Police Service plans to upgrade the Major Case Management system in 2019.

Project Name: **Officer Mobile Video System**

Department: Winnipeg Police Service
Project: 2202100016

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 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 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,000 | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 1,000 | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External 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 |

Class Estimate: 3

With increasing demands for capturing information when dealing with the public, it appears that at the moment the best way to accomplish this is through an officer mobile video system. The mobile system would be attached to an officer and record all audio and video for all interactions. It is estimated that $1,000,000 would be required to outfit approximately 800 officers with this equipment along with storage equipment to archive and maintain the data. It is expected that technology will progress in this area to provide better alternatives when the purchase date arrives.

Project Name: **Police Headquarters Building Systems Safeguards**

Department: Winnipeg Police Service
Project: 6395200115
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,700 | - | 1,000 | - | - | - | 1,000 | 2,700 |
| Financed by: | | | | | | | | | |
| Transfer from Prior Year Authorization | | 1,700 | | 1,000 | | | | 1,000 | 2,700 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,700 | - | 1,000 | - | - | - | - | 2,700 |
| Financed by: | | | | | | | | |
| Transfer from Prior Year Authorization | 1,700 | | 1,000 | | | | | 2,700 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | 51 | | 30 |
| **Net Cost/(Benefit)** | (51) | - | (30) |

Class Estimate: 3

This program is to provide security and workplace safeguards to various building systems at the 245 Smith Street Complex and includes interior, accessibility, elevator, escalator, heating, ventilation, air conditioning, electrical, plumbing, parking lot, site, building envelope and structural improvements.

Priority planned expenditures for 2015 include the following:

UPS redundant cooling system
Lack of independent water supply redundancy
Overall building strategy / design for single point failure
Monitoring of freezer and cooler in evidence storage room
Sealed flooring over electrical room
Various building system upgrades

Funding in 2015 and 2017 includes re-budgeted amounts from previously approved capital budgets.

Project Name: **Electronic Ticketing**

Department: Winnipeg Police Service
Project: 2204100015

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | | |
| Transfer from Prior Year Authorization (2013 Communication New Phone System) | | 500 | | | | | | - | 500 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Transfer from Prior Year Authorization (2013 Communication New Phone System) | 500 | | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

This pilot project is to replace the manual process of issuing and processing Provincial Offence Notices. Other jurisdictions have migrated to an electronic ticketing system.

Project Name: **East District Police Station**

Department: Winnipeg Police Service
Project: 6331002815
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 13,925 | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 990 | 990 | 990 | 1,012 | 1,056 | 1,056 | 5,104 | 6,094 |
| Public Private Partnership Lease Payments | | (990) | (990) | (990) | (1,012) | (1,056) | (1,056) | (5,104) | (6,094) |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | |
| Cash to Capital | 990 | 990 | 990 | 1,012 | 1,056 | 1,056 | 21,461 | 27,555 |
| Public Private Partnership Lease Payments | (990) | (990) | (990) | (1,012) | (1,056) | (1,056) | (21,461) | (27,555) |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 421 | 421 | 421 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 990 | 990 | 990 |
| **Total Direct Costs** | 1,411 | 1,411 | 1,411 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,411 | 1,411 | 1,411 |

Class Estimate: 1

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 1% administration fee and 2% short-term financing charge.

This capital detail sheet was prepared by Planning, Property and Development.

On December 10, 2014 Council authorized expenditure of up to $330,000 prior to the adoption of the 2015 Capital Budget as a first charge against the General Capital Fund to make scheduled monthly payments to the P3 contract.

Project Name: **North District Police Station**

| | | | |
|---|---|---|---|
| Department: | Winnipeg Police Service | Service: | Police Response |
| Project: | 6331003015 | OurWinnipeg: | Collaborate to Make Safe Communities |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,130 | - | - | 20,188 | - | - | - | 20,188 | 20,188 |
| Financed by: | | | | | | | | | |
| External Debt | | | | 20,188 | | - | | 20,188 | 20,188 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 20,188 | - | - | - | - | 20,188 |
| Financed by: | | | | | | | | |
| External Debt | | | 20,188 | | - | | | 20,188 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

The 2012 Adopted Capital Budget and 2013 to 2017 Five-Year Forecast approved by Council on December 13, 2011 included estimated budget required to procure the north district station including, potential property and purchasing the necessary furniture and special equipment.

On June 26, 2013, Council adopted the Police Building Replacement - Funding Strategy and Approval for Purchase at Total Performance of the West District Police Station (WDPS). The estimate for the North District Police Station (NDPS), which is assumed to be purchased upon total completion, is based upon the 2013 cost of the WDPS adjusted for annual construction inflation of 4%.

This capital detail sheet is based on the assumption that the "Previous Budgets" of $3.130 million will be sufficient to acquire and/or remediate land, and that the site will be configured such that the same design as the East and West District Police Stations can be used.

This capital detail sheet was prepared by Planning, Property and Development.

Project Name: **Winnipeg Police Headquarters Redevelopment**

Department: Winnipeg Police Service
Project: 6331001911
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | * | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Interim Financing / (Repayment) | | | (18,967) | | | | | (18,967) | (18,967) |
| Land Operating Reserve | | | 18,967 | | | | | 18,967 | 18,967 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | |
| Interim Financing / (Repayment) | | (18,967) | | | | | | (18,967) |
| Land Operating Reserve | | 18,967 | | | | | | 18,967 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 6,433 | 6,433 | 5,433 |
| External debt and finance charges | 8,382 | 8,382 | 8,382 |
| Transfer to General Capital Fund | 569 | 569 | |
| **Total Direct Costs** | 15,384 | 15,384 | 13,815 |
| Less: Incremental Revenue/Recovery | 2,000 | 2,000 | |
| **Net Cost/(Benefit)** | 13,384 | 13,384 | 13,815 |

Class Estimate: 1

The total budget for the project approved by Council in July 2011, included in capital budget documents, and amended in December 2013, is $209.767 million, which includes $31.567 million for the purchase cost of the building. The purchase cost of the building has been recorded in the City's financial statements with $12.6 million being allocated to the Mail Sorting Plant at 245 Smith Street and $18.967 million being allocated to the office tower at 266 Graham Avenue.

Council approved that the Office Tower be held for re-sale at some future date. The Tower is assumed to be sold for $18.967 million on December 31, 2016 for illustrative purposes and to be consistent with previous years' capital forecast. Short-term financing in the amount of $18.967 million was approved for the Tower either from external sources or through internal funds or reserves as determined by the Chief Financial Officer. An analysis and review of the sale/options regarding the Tower will be undertaken and a separate report brought forward for Council decision.

Operating revenue in 2015 and 2016 represents estimated rental income from leased space in the Tower. Operating costs consist of components of accommodation charges other than external debt and finance charges (2015 and 2016 - $6.433 million; 2017 - $5.433 million) plus utilities, repairs and maintenance costs, and property taxes related to the Tower ($1 million in each of 2015 and 2016).

External debt and finance charges from 2015 to 2017 consist of $1.612 million in principal and $6.768 million in interest payments.

Transfer to the General Capital Fund consists of $0.569 million in short-term financing costs on the acquisition of the Office Tower.

* Council authorized expenditures of $209.767 million on December 11, 2013. The project was completed in 2014.

Project Name: **Building Video Surveillance Systems**

Department: Winnipeg Police Service
Project: 2202400017
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 4,160 | - | - | 4,160 | 4,160 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 4,160 | | | 4,160 | 4,160 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 4,160 | - | - | - | 4,160 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 4,160 | | | | 4,160 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

To anticipate the need to have a service-wide prisoner tracking system. This may be a legislative requirement in the future.

Project Name: **Intelligence Led Reporting (Phase 2)**

Department: Winnipeg Police Service
Project: 2202600018
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 1,050 | - | - | 1,050 | 1,050 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 1,050 | | | 1,050 | 1,050 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 1,050 | - | - | - | 1,050 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 1,050 | | | | 1,050 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

To provide funding for phase 2 of the Intelligence Led Reporting. Phase 1 implementation is scheduled to begin in 2015.

Project Name: **WPS Data Integration, Auditing and Quality Solution Tool**

Department: Winnipeg Police Service
Project: 2202900018
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 662 | - | - | 662 | 662 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 662 | | | 662 | 662 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 662 | - | - | - | 662 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 662 | | | | 662 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

To provide funding for a uniform strategy/tool for service wide integration, auditing and quality solution management software.

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

Department: Winnipeg Police Service
Project: 2200000714
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 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 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 500 | - | - | 500 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 500 | | | 500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

A new Automated Fingerprint Identification System (AFIS) will be installed in 2014. Life expectancy of the equipment is approximately 5 years, after which time the system hardware may become obsolete and subject to reduced and/or withdrawn maintenance support. The system will almost be 6 years old at time of replacement in 2019.

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

Department: Winnipeg Police Service
Project: 2203200019

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 1,200 | - | 1,200 | 1,200 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 1,200 | | 1,200 | 1,200 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 1,200 | - | - | 1,200 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 1,200 | | | 1,200 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

Technological changes in information systems requires upgrading and monitoring. Technology is changing rapidly and funding is required to maintain and upgrade systems.

Project Name: **In Car Computing**

Department: Winnipeg Police Service
Project: 22xxxxxx19

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 1,200 | - | 1,200 | 1,200 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 1,200 | | 1,200 | 1,200 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 1,200 | - | - | 1,200 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 1,200 | | | 1,200 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

The mobile laptop technology in cruiser cars needs to be replaced every 5 to 6 years due to the obsolescence of this equipment and the harsh environment to which they are subjected. Currently there are about 200 mobile laptops in cruiser cars at a cost of $5,000 each. Additional costs are for modem upgrades, brackets and mounting equipment used to attach the laptops to the vehicles. Ergonomically placed laptop computers are critical for prevention of back injuries to police officers.

Project Name: **Bomb Unit Truck Replacement**

Department: Winnipeg Police Service
Project: 2203500019

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 300 | - | 300 | 300 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 300 | | 300 | 300 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 300 | - | - | 300 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 300 | | | 300 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

The current bomb unit truck will need to be replaced as it is coming to its end of life.

Project Name: **Fire Suppression System**

Department: Winnipeg Police Service
Project: 22xxxxxx19
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 767 | - | 767 | 767 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 767 | | 767 | 767 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 767 | - | - | 767 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 767 | | | 767 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

Installation of new additional fire alarm system and 2 pre-action systems, on Level P1 of the new Headquarters building for evidence.

Project Name: **Next Generation 911**

Department: Winnipeg Police Service
Project: 2203100019

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 800 | 800 | 800 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | | 800 | 800 | 800 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 800 | - | 800 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 800 | | 800 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

Technological changes in 911 to include the latest upgrades to telephony and 911 systems.

Project Name: **Communication Centre Back Up Site Upgrade**

Department: Winnipeg Police Service
Project: 2202500020
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 400 | 400 | 400 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | | 400 | 400 | 400 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 400 | - | 400 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 400 | | 400 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

To upgrade technical equipment in the 911 backup facility.

Project Name: **Mobile Radio Replacement**

| | | | |
|---|---|---|---|
| Department: | Winnipeg Police Service | Service: | Police Response |
| Project: | 22xxxxxx20 | OurWinnipeg: | Collaborate to Make Safe Communities |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 6,400 | 6,400 | 6,400 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | | 6,400 | 6,400 | 6,400 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 6,400 | - | 6,400 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 6,400 | | 6,400 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

The majority of the radios were replaced in 2010. Expected life of radios are about 10 years, with wear and tear and along with technological advances. As the radios are bought with US dollars a more unfavourable rate change could negatively impact on purchase cost. Rate = USD .90 to CDN 1.00.

Project Name: **River Patrol Building**

Department: Winnipeg Police Service
Project: 22xxxxxx20

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 1,820 | 1,820 | 1,820 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | | 1,820 | 1,820 | 1,820 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 1,820 | - | 1,820 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 1,820 | | 1,820 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

The current River Patrol building is primarily a storage building for the unit. A new building, fully functional with office area, and good washroom facilities are required.

Project Name: **Facilities Replacement, Relocation and Enhancement Program**

Department: Fire Paramedic Service
Project: 211101XXXX

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

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,477 | 3,120 | 1,268 | 3,225 | 6,339 | 4,169 | 18,121 | 19,598 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 1,268 | 2,008 | 4,839 | 4,169 | 12,284 | 12,284 |
| External Debt | | 1,477 | 3,120 | | 1,217 | 1,500 | | 5,837 | 7,314 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,477 | 3,120 | 1,268 | 3,225 | 6,339 | 4,169 | - | 19,598 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 1,268 | 2,008 | 4,839 | 4,169 | | 12,284 |
| External Debt | 1,477 | 3,120 | | 1,217 | 1,500 | | | 7,314 |

| OPERATING IMPACT | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | 74 | 263 | 290 |
| Transfer to General Capital Fund | | | 1,268 |
| **Total Direct Costs** | 74 | 263 | 1,558 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 74 | 263 | 1,558 |

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

With these capital dollars the Winnipeg Fire Paramedic Service seeks to maximize the efficiency of the station network through relocations, replacements and major enhancements while at the same time meeting the desired level of service. The existing program of work is currently under review pending the outcome of the Fire Underwriters Survey which is expected to report in early 2015. This will provide the most up-to-date evaluation of service coverage and identify the priority areas for improvement or rationalization. The program of work will then be redefined and focussed on the most urgent areas with a view to minimizing service cost and maximizing service delivery.

**2015 to 2016:**

- Station 6 (Redwood Avenue): Two bay addition to provide capacity for Emergency Medical Services and Fire Response in high demand location.
- The balance of funds will be applied to priority works identified following the Fire Underwriters Survey which will report in early 2015.

**2017 to 2018:**

- Station 8 (640 Kimberly Avenue): A 2005 Facilities Audit identified serious deficiencies at Station 8 that present concerns relating to Occupational Health and Safety regulations. This planned addition and renovation will resolve the Health and Safety concerns with the building as well as providing configuration improvements and enhancements.

**Further notes:**

On September 24, 2014 Council authorized the expenditure of up to $585,400 for the joint Winnipeg Police Service and Winnipeg Fire Paramedic Service Next Generation 911 telephony project prior to the adoption of the 2015 Capital Budget as a first charge against the 2015 Facilities Replacement and Relocation program.

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

Project Name: **Replacement Radio System**

Department: Fire Paramedic Service
Project: 2101010015

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

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 2,000 | 4,000 | - | - | - | - | 4,000 | 6,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 2,000 | 4,000 | | | | | 4,000 | 6,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,000 | 4,000 | - | - | - | - | - | 6,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 2,000 | 4,000 | | | | | | 6,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 2,000 | 4,000 | |
| **Total Direct Costs** | 2,000 | 4,000 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 2,000 | 4,000 | - |

Class Estimate: 3

The Winnipeg Fire Paramedic Service (WFPS) currently operates over 400 radios on the Fleetnet Radio System (FRS). The existing vendor will not support the system past 2015. System redevelopment to support the radio system is estimated at $6.0 million, which is to be completed in two phases in 2015/2016.

Project Name: **Equipment Obsolescence**

| | | | |
|---|---|---|---|
| Department: | Fire Paramedic Service | Service: | Fire and Rescue Response |
| Project: | 2111010817 | OurWinnipeg: | Emergency Preparedness, Response and Recovery |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 445 | 3,457 | - | - | - | 3,902 | 3,902 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 445 | 3,457 | | | | 3,902 | 3,902 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 445 | 3,457 | | - | - | - | 3,902 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 445 | 3,457 | | | | | 3,902 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 445 | 3,457 |
| **Total Direct Costs** | - | 445 | 3,457 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 445 | 3,457 |

Class Estimate: 3

These capital funds support an ongoing program that deals with the replacement of equipment at end of operating life to ensure continuity of service.

**2016 to 2017:**

The Winnipeg Fire Paramedic Service attends numerous hazardous fire incidents annually and relies on the full body HazMat (hazardous material) clothing and SCBA (Self Contained Breathing Apparatus) bottles and masks to ensure firefighters' safety and ability to function.

The existing HazMat and SCBA assets will be at end of life during 2016 and must be replaced in order for the service to continue responding to these incidents. There were 50 hazardous fire incidents in 2012, 33 in 2013 and 37 up to October 2014.

This investment provides both HazMat clothing and SCBA asset replacements that meet the National Fire Prevention Association (NFPA) standards for fire fighting in these hazardous conditions.

In order to facilitate the purchase of these items in 2016, a first call against the 2017 capital amounts may be required.

Project Name: **911 Call Centre Resilience**

Department: Fire Paramedic Service
Project: 211101XXXX
Service: Fire and Rescue Response
OurWinnipeg: Emergency Preparedness, Response and Recovery

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 735 | - | 160 | 215 | - | - | 375 | 1,110 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 735 | | 160 | 215 | | | 375 | 1,110 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 735 | - | 160 | 215 | - | - | - | 1,110 |
| Financed by: | | | | | | | | |
| Cash to Capital | 735 | | 160 | 215 | | | | 1,110 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 735 | | 160 |
| **Total Direct Costs** | 735 | - | 160 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 735 | - | 160 |

Class Estimate: 3

During 2014 Council approved funding for the Winnipeg Fire Paramedic Service to upgrade its 911 telephony platform to meet next generation capability in alignment with, and as a joint project with the Winnipeg Police Service. This upgrade is expected to occur during 2015 based on negotiations underway during 2014.

As a result of this decision, capital funds are required to replace legacy specialist equipment in order to operate with the new emergency call platform. This includes the following items:

**2015 to 2018:**

- Call check and audio logger replacement - to meet legal requirements for call recording and provide immediate quality management of calls. Current equipment is showing signs of failure and will not work with the next generation 911 platform.
- Replacement of local console and centralized call centre battery power supplies - to meet legislated 2-hour minimum non-generator based power supply in the event of power outage. Current equipment is at end of life and may not meet requirements.
- Private Branch eXchange (PBX) / telephone switch - to meet industry standards for the 911 platform and provide a workable redundancy option. Current equipment is leased and may not provide required redundancy option.

**2017 to 2018:**

- Console ergonomics replacement - current mechanisms at end of life in 2017.

Project Name: **Computer Aided Dispatch (CAD)**

Department: Fire Paramedic Service
Project: 211101XXXX

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

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | 3,852 | 2,080 | - | - | - | 5,932 | 6,132 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | 3,852 | 2,080 | | | | 5,932 | 6,132 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 3,852 | 2,080 | | - | - | - | 6,132 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | 3,852 | 2,080 | | | | | 6,132 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 200 | 3,852 | |
| **Total Direct Costs** | 200 | 3,852 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 200 | 3,852 | - |

Class Estimate: 3

These capital funds are to replace the current Computer Aided Dispatch (CAD) system that manages emergency call taking and fire/ ambulance dispatch functions. The current system does not support the increasing number of interfaces that are required for current and future business processes and is based on out dated 1990 technology. There is also an IT support risk from 2017 onwards.

This project has three main phases:

**2015 (Class 3 estimate)**

1) Discovery - to engage a consultant to assist in documenting current capability, wider organizational system integration/interface requirements and enhancements and provide an overview and specification for the new CAD system.

2) Procurement - RFP process for vendors for preferred solution arising from the discovery phase.

**2016**

3) Implementation of new CAD prior to withdrawal of support for current system.

The costs associated with implementation are best estimates at this stage and will be refined following the completion of the Discovery phase specification report. The importance of this system to emergency response and the lack of support for the system from 2017 onwards is driving the time frame for delivery of this project.

It is anticipated that a special report to Council will be drafted once the specifications of the system are identified and a preferred solution is selected. This report would seek approval of the Contract and authorization to commit the capital funding required to complete it. This may require a first call on either the 2016 or 2017 authorization, but will be detailed in the report.

Project Name: **Station Capital Maintenance**

Department: Fire Paramedic Service
Project: 211101XXXX

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

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 881 | 1,302 | 2,095 | 2,852 | 1,270 | 6,865 | 14,384 | 15,265 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 881 | 1,302 | 2,095 | 2,852 | 1,270 | 6,865 | 14,384 | 15,265 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 881 | 1,302 | 2,095 | 2,852 | 1,270 | 6,865 | - | 15,265 |
| Financed by: | | | | | | | | |
| Cash to Capital | 881 | 1,302 | 2,095 | 2,852 | 1,270 | 6,865 | | 15,265 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 881 | 1,302 | 2,095 |
| **Total Direct Costs** | 881 | 1,302 | 2,095 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 881 | 1,302 | 2,095 |

Class Estimate: 3

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

**2015 (Class 3 Estimates)**

- Station 5 (Sargent Avenue): Structural repair to apparatus floor.
- Station 10 (Border Street): Repairs to property side water main arising from pipe corrosion and consequential building renovation works and asbestos containment and removal.
- The balance of funds will be applied to other priority works identified following the Fire Underwriters Survey which is expected to report in early 2015.

**2016 to 2020 (Estimates and timings are derived from VFA Canada Asset Funding Needs Report)**

- Building structural assessments and remediation work - current station priorities are under review and will be reassessed following the Fire Underwriters Survey.
- Fire, life safety and regulatory upgrades - current station priorities are under review and will be reassessed following the Fire Underwriters Survey.
- Building envelope repairs and maintenance - current station priorities are under review and will be reassessed following the Fire Underwriters Survey.

Back to Capital Project Detail
Table of Contents

Project Name: **Computer Automation**

Department: Planning, Property and Development
Service: Property Asset Management
Project: 6361000415
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 200 | 120 | 144 | 133 | 119 | 716 | 716 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 200 | 120 | 144 | 133 | 119 | 716 | 716 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | 120 | 144 | 133 | 119 | - | 716 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 200 | 120 | 144 | 133 | 119 | | 716 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 200 | 120 |
| **Total Direct Costs** | - | 200 | 120 |
| Less: Incremental Revenue/Recovery | | 6 | 4 |
| **Net Cost/(Benefit)** | - | 194 | 116 |

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. We can achieve these goals through expansion of online services, office/ workflow automation, re-engineering of legacy systems, electronic documents management, and systems integration (e.g. database synchronization) between our own applications and those of other departments.

It is anticipated that maintaining and improving a solid technological framework can provide the basis for organization improvements that increase efficiency and reliability. In order to improve service delivery, we strive 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.

Included in this program is the potential acquisition of survey equipment for the Geomatics Branch including data collectors, total stations, GPS equipment, laser scanners, etc.

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

Project Name: **Riverbank Greenway Programs**

| | | | |
|---|---|---|---|
| Department: | Planning, Property and Development | Service: | Parks and Urban Forestry |
| Project: | 6351300115 | OurWinnipeg: | Environment |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 600 | 443 | 405 | 406 | 411 | 453 | 2,118 | 2,718 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 600 | 443 | 405 | 406 | 411 | 453 | 2,118 | 2,718 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 600 | 443 | 405 | 406 | 411 | 453 | - | 2,718 |
| Financed by: | | | | | | | | |
| Cash to Capital | 600 | 443 | 405 | 406 | 411 | 453 | | 2,718 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 600 | 443 | 405 |
| **Total Direct Costs** | 600 | 443 | 405 |
| Less: Incremental Revenue/Recovery | 18 | 13 | 12 |
| **Net Cost/(Benefit)** | 582 | 430 | 393 |

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

This program supports the acquisition of riverbank lands for the City's linear parkway system and promotes the use of the City's rivers and riverbanks by facilitating public access to rivers and riverbank lands and encouraging the use of Winnipeg rivers for transportation and recreation through the provision of boat launches, docks, pathways, and other accessibility improvements.

Funds provided are for implementation according to the prioritized river segments adopted by Council as opportunities present themselves and as needs dictate. Greenway funds focus on major parks, regional parks and greenspace connections to the watershed and are aligned to complement active transportation initiatives. Access improvements can take place on primary waterways (Red & Assiniboine) as well as secondary waterways (Seine River, Sturgeon Creek, Truro Creek, Bunn's Creek, Omand's Creek).

2015 Proposed Projects:

Churchill Drive Parkway pathway refurbishment

Crescent Drive Park canoe launch & river access

Riverbank Parkway System signage & trailheads

Seine River Trail (Sentier Gabriel Dufault Pathway) - $300,000 over two years (2015 & 2016) will be allocated to this project.

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

Project Name: **Cemeteries - Improvements**

Department: Planning, Property and Development
Service: Cemeteries
Project: 6322100115
OurWinnipeg: Vitality

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 410 | 382 | 408 | 400 | 390 | 398 | 1,978 | 2,388 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 260 | 232 | 258 | 250 | 240 | 248 | 1,228 | 1,488 |
| Veterans Affairs Canada | | 150 | 150 | 150 | 150 | 150 | 150 | 750 | 900 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 410 | 382 | 408 | 400 | 390 | 398 | - | 2,388 |
| Financed by: | | | | | | | | |
| Cash to Capital | 260 | 232 | 258 | 250 | 240 | 248 | | 1,488 |
| Veterans Affairs Canada | 150 | 150 | 150 | 150 | 150 | 150 | | 900 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 260 | 232 | 258 |
| **Total Direct Costs** | 260 | 232 | 258 |
| Less: Incremental Revenue/Recovery | 9 | 8 | 9 |
| **Net Cost/(Benefit)** | 251 | 224 | 249 |

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

The funds are required to supplement funding being received from Veterans Affairs Canada (VAC) under a joint funding project to renovate the Brookside Cemetery. VAC have so far invested $855,000 since 2007 in 2014 they are expecting to provide a minimum $150,000. There are ongoing discussions to establish a program based on $200,000 per annum for further years to complete the project. Further funding is promised but not guaranteed for the next 10 years. The VAC funding budget is required as the VAC funding year is April 1 to March 31 and additional monies are often made available in January of each year, the separate amount of capital funding permits a cash flow to support the additional funding; additional funds have been made available in all years since the project commenced. The VAC funding agreement requires increased financial support from the City to cover the cost of landscaping and salaries costs, VAC funds foundation and monument repairs and manufacturing/supply costs.

In addition, the capital funds are required for the purchase and installation of columbaria and private family estates and mausolea interment facilities at City cemeteries. These product categories generate higher revenue levels which assist in returning the City cemeteries towards being financially self-sufficient.

Brookside Cemetery requires the establishment of new full body interment sections as existing interment sections are near capacity with only 12 months of product remaining for sale in some sections. The Military Field of Honour requires a new cremation interment area, to include columbaria, wall plaques, gardens and pathways. St. Vital Cremation gardens requires extending to accommodate new product for sales as existing products are sold out.

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

Project Name: **Downtown Enhancement Program**

| | | | |
|---|---|---|---|
| Department: | Planning, Property and Development | Service: | City Beautification |
| Project: | 6351800115 | OurWinnipeg: | Creativity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 400 | 400 | 400 | 400 | 400 | 400 | 2,000 | 2,400 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 400 | 400 | 400 | 400 | 400 | 400 | 2,000 | 2,400 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | 400 | 400 | 400 | 400 | 400 | - | 2,400 |
| Financed by: | | | | | | | | |
| Cash to Capital | 400 | 400 | 400 | 400 | 400 | 400 | | 2,400 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 400 | 400 | 400 |
| **Total Direct Costs** | 400 | 400 | 400 |
| Less: Incremental Revenue/Recovery | 12 | 12 | 12 |
| **Net Cost/(Benefit)** | 388 | 388 | 388 |

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 2015 - 2020 include but are not limited to:

- Red River Campus links including William Avenue
- Bonnycastle Park
- Air Canada Park
- Old Market Square
- Downtown and Exchange District Pedestrian Facilities Enhancements
- East Exchange Interpretative Strategies
- Albert Street
- links to Forks / Human Rights Museum and Exchange including Parcel 4
- Broadway
- halo SHED developments including 266 Graham Avenue, Gary Street, Edmonton Street and St. Mary Avenue
- University of Winnipeg precinct - Colony / Memorial
- Assiniboine Avenue - Active Transportation Route
- Main Street south of Portage

* 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**

| | | | |
|---|---|---|---|
| Department: | Planning, Property and Development | Service: | City Beautification |
| Project: | 6351241515 | OurWinnipeg: | Creativity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 400 | 400 | 400 | 400 | 400 | 400 | 2,000 | 2,400 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 400 | 400 | 400 | 400 | 400 | 400 | 2,000 | 2,400 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | 400 | 400 | 400 | 400 | 400 | - | 2,400 |
| Financed by: | | | | | | | | |
| Cash to Capital | 400 | 400 | 400 | 400 | 400 | 400 | | 2,400 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 400 | 400 | 400 |
| **Total Direct Costs** | 400 | 400 | 400 |
| Less: Incremental Revenue/Recovery | 12 | 12 | 12 |
| **Net Cost/(Benefit)** | 388 | 388 | 388 |

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

The City of Winnipeg reinvests in partnered projects in BIZ districts and Neighbourhood Main Streets. These areas have their own distinct character with their own style of mixed-use, walkable business districts which 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 which creates a sense of place and destination in and along Business Improvement Zones and of Image Routes.

2015 - 2020: Projects are adjusted based upon community readiness and partnership opportunities

West Broadway BIZ (Major Project Revitalization implementation), Osborne Village BIZ (Major Project Revitalization implementation), Norwood Grove BIZ (Concept Plan), Old St. Vital BIZ Concept Plan), BIZ Zones - Rapid Transit Stations connectivity strategy, Academy Road (Major Project Revitalization implementation), Old St. Vital BIZ (Major Project Revitalization implementation), Norwood Grove BIZ (Major Project Revitalization implementation), Osborne South BIZ (Concept Plan), Selkirk Ave BIZ (Concept Plan), West End BIZ International Village Streetscaping implementation.

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

Project Name: **Public Art Strategy**

Department: Planning, Property and Development
Project: 6351400715
Service: City Beautification
OurWinnipeg: Creativity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 500 | 500 | 500 | 500 | 500 | 500 | 2,500 | 3,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 500 | 500 | 500 | 500 | 500 | 500 | 2,500 | 3,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 500 | 500 | 500 | 500 | 500 | - | 3,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 500 | 500 | 500 | 500 | 500 | 500 | | 3,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 500 | 500 | 500 |
| **Total Direct Costs** | 500 | 500 | 500 |
| Less: Incremental Revenue/Recovery | 15 | 15 | 15 |
| **Net Cost/(Benefit)** | 485 | 485 | 485 |

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 WAC (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 annually for approval a plan for the works to be undertaken.

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

Project Name: **Land Acquisition for General Unspecified Purposes**

Department: Planning, Property and Development
Service: Property Asset Management
Project: 6321100115
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 150 | 150 | 300 | 240 | 228 | 274 | 1,192 | 1,342 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 150 | 150 | 300 | 240 | 228 | 274 | 1,192 | 1,342 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | 150 | 300 | 240 | 228 | 274 | - | 1,342 |
| Financed by: | | | | | | | | |
| Cash to Capital | 150 | 150 | 300 | 240 | 228 | 274 | | 1,342 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 150 | 150 | 300 |
| **Total Direct Costs** | 150 | 150 | 300 |
| Less: Incremental Revenue/Recovery | 5 | 5 | 9 |
| **Net Cost/(Benefit)** | 145 | 145 | 291 |

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

General provision for the annual acquisition of land for purposes other than regional streets and riverbank property. This provides for the acquisition of properties which are unforeseen at this time.

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

Project Name: **Developer Payback**

| | | | |
|---|---|---|---|
| Department: | Planning, Property and Development | Service: | Parks and Urban Forestry |
| Project: | 6351000215 | OurWinnipeg: | Environment |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 275 | 280 | 278 | 292 | 274 | 1,399 | 1,399 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 275 | 280 | 278 | 292 | 274 | 1,399 | 1,399 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 275 | 280 | 278 | 292 | 274 | - | 1,399 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 275 | 280 | 278 | 292 | 274 | | 1,399 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 275 | 280 |
| **Total Direct Costs** | - | 275 | 280 |
| Less: Incremental Revenue/Recovery | | 8 | 8 |
| **Net Cost/(Benefit)** | - | 267 | 272 |

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 current 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: **Chornick Park Improvements - Phase Two**

Department: Planning, Property and Development
Service: Parks and Urban Forestry
Project: 6351801015
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 520 | - | - | - | - | - | - | 520 |
| Financed by: | | | | | | | | | |
| Contributions in Lieu of Land Dedication Reserve | | 118 | | | | | | - | 118 |
| Commitment Reserve | | 402 | | | | | | | 402 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 520 | - | - | - | - | - | - | 520 |
| Financed by: | | | | | | | | |
| Contributions in Lieu of Land Dedication Reserve | 118 | | | | | | | 118 |
| Commitment Reserve | 402 | | | | | | | 402 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | 5 | | |
| **Net Cost/(Benefit)** | (5) | - | - |

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

Phase 2 of improvements to Chornick Park include new play equipment for children 2-12 years old, new engineered wood fiber safety surfacing, new timber edging, new benches and picnic table, new pathway and planting of new trees. Also included are ball diamond improvements (new back stop and granular improvements to the back stop) as well as improvements to the existing skate bowl to include new skate spot amenities from 180 square metres (existing) to 350 square metres to promote greater usability and an expansion of use for younger or junior skateboarders.

The construction cost estimates are based on preliminary, conceptual design and the project is scalable. The deliverables will match budget available. Funding for this project is subject to approval of $402,000 being included in the 2014 Commitment Reserve.

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

| | | | |
|---|---|---|---|
| Department: | Planning, Property and Development | Service: | Parks and Urban Forestry |
| Project: | 6351300215 | OurWinnipeg: | Environment |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,400 | 1,000 | 1,000 | 1,000 | 1,000 | 1,038 | 5,038 | 6,438 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,191 | 1,000 | 1,000 | 1,000 | 1,000 | 1,038 | 5,038 | 6,229 |
| Riverbank Management Committee Fund (Fund 002) | | 209 | | | | | | - | 209 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,400 | 1,000 | 1,000 | 1,000 | 1,000 | 1,038 | - | 6,438 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,191 | 1,000 | 1,000 | 1,000 | 1,000 | 1,038 | | 6,229 |
| Riverbank Management Committee Fund (Fund 002) | 209 | | | | | | | 209 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,191 | 1,000 | 1,000 |
| **Total Direct Costs** | 1,191 | 1,000 | 1,000 |
| Less: Incremental Revenue/Recovery | 38 | 30 | 30 |
| **Net Cost/(Benefit)** | 1,153 | 970 | 970 |

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

In 2000, the Riverbank Stability Characterization Study identified stability conditions of 106 km. of City owned riverbank property which comprises approximately 45% of all such property within The City of Winnipeg. Inasmuch as costs to effectively stabilize all City owned river and creek banks requires a significant funding commitment of $80 million (2000 dollars), "first phase" priority sites were established in the report for purposes of the City implementing stabilization along the most critical sections of riverbank. Five priority sites have been stabilized since 2003, namely, Annabella Street to May Street (2003), St. John's Park (2006), Bunn's Creek (2006), St. Vital Park (2008) and Churchill Drive Park at a total cost of approximately $5.5 million.

The Planning, Property and Development Department, in collaboration with the University of Manitoba, developed a Geographic Information System (GIS) Riverbank Asset Management System (RAMS). Using the RAMS, the priority sites listing for all City owned riverbank property, based on assigned engineering attributes, was updated in 2009. As part of the ongoing asset management program, another update to RAMS was completed in 2014. There is a scheduled update for 2015 which will include the addition of more sites to the database.

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

The listing for 2015 is as follows:

| Site | Amount |
|---|---|
| Red River - King's Park - Erosion protection only | 1,500,000 |
| Red River - Guay Park | 1,600,000 |
| Red River - River Road at Minnetonka | 1,100,000 |
| Red River - Canoe Club | 5,500,000 |
| Red River - Lyndale Drive | 3,200,000 |
| Red River - Maple Grove (for 3 phases) | 3,800,000 |
| Red River - Crescent Drive Park | 1,500,000 |
| Red River - River to Rivergate | 2,600,000 |
| Red River - Wardlaw to Corydon (no estimate available) | - |
| Red River - D'arcy Drive | 3,300,000 |
| **Total** | **24,100,000** |

A site investigation and riverbank monitoring program was initiated in the spring of 2013 to support the design of remedial works for a 900 meter length of King's Park. Construction works will be funded from previous capital budgets (2011, 2012, and 2013), with construction starting in the winter of 2014/2015, subject to the recommendations of the Engineer's assessment, and available funding. A geotechnical investigation and monitoring program studying the riverbank in Guay Park was commenced in the winter of 2014, and subject to the results of the monitoring program, stabilization works may be undertaken in the winter of 2015.

On January 29, 2013 Council adopted that the equity balance of the Riverbank Management Committee fund be capped at $500,000, and any amounts over this cap be utilized to finance future Riverbank Stabilization capital projects as approved by Council.

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

Project Name: **Building Communities Initiative II, Phase Two**

| | | | |
|---|---|---|---|
| Department: | Planning, Property and Development | Service: | Neighbourhood Revitalization |
| Project: | 6351200015 | OurWinnipeg: | Key Directions for Specific City Areas |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 18,700 * | 1,300 | - | - | - | - | - | - | 1,300 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 650 | | | | | | - | 650 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | | 650 | | | | | | - | 650 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,300 | - | - | - | - | - | - | 1,300 |
| Financed by: | | | | | | | | |
| Cash to Capital | 650 | | | | | | | 650 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | 650 | | | | | | | 650 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 650 | | |
| **Total Direct Costs** | 650 | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 650 | - | - |

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

The Building Communities Initiative II (BCI) is a capital expenditure program that invests in community infrastructure in Winnipeg's neighbourhoods. The program's goals are to improve living conditions in Winnipeg's neighbourhoods where capital improvements in parks, community facilities, municipal infrastructure, and crime prevention initiatives will have lasting, long-term benefits to the neighbourhood and the larger urban community.

A $20 million "Building Communities II" Agreement between the City of Winnipeg and Province of Manitoba was executed on May 27, 2010.

The Building Communities Initiative III to be negotiated with the Province of Manitoba is identified in years 2016 - 2019 on a separate project detail sheet.

* Amount has been adjusted to reflect previous funding for BCI I and has been reduced $400,000 as a result of December 16, 2008 Council Recommendation.

Project Name: **Building Communities Initiative III**

| | | | |
|---|---|---|---|
| Department: | Planning, Property and Development | Service: | Neighbourhood Revitalization |
| Project: | 6351200016 | OurWinnipeg: | Key Directions for Specific City Areas |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 2,100 | 2,120 | 2,000 | 3,780 | - | 10,000 | 10,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 1,050 | 1,060 | 1,000 | 1,890 | | 5,000 | 5,000 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | | | 1,050 | 1,060 | 1,000 | 1,890 | | 5,000 | 5,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 2,100 | 2,120 | 2,000 | 3,780 | - | - | 10,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 1,050 | 1,060 | 1,000 | 1,890 | | | 5,000 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | | 1,050 | 1,060 | 1,000 | 1,890 | | | 5,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 1,050 | 1,060 |
| **Total Direct Costs** | - | 1,050 | 1,060 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 1,050 | 1,060 |

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

The Building Communities Initiative III (BCI) is a capital expenditure program that invests in community infrastructure in Winnipeg's neighbourhoods. The program's goals are to improve living conditions in Winnipeg's neighbourhoods where capital improvements in parks, community facilities, municipal infrastructure, and crime prevention initiatives will have lasting, long-term benefits to the neighbourhood and the larger urban community.

The "Building Communities Initiative III" program is subject to a future agreement between the City of Winnipeg and Province of Manitoba.

Back to Capital Project Detail
Table of Contents

Project Name: **General Building Renovation and Refurbishing**

Department: Municipal Accommodations
Service: Property Asset Management
Project: 63310000215
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 125 | 500 | 500 | 500 | 500 | 2,125 | 2,125 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 125 | 500 | 500 | 500 | 500 | 2,125 | 2,125 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 125 | 500 | 500 | 500 | 500 | - | 2,125 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 125 | 500 | 500 | 500 | 500 | | 2,125 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 125 | 500 |
| **Total Direct Costs** | - | 125 | 500 |
| Less: Incremental Revenue/Recovery | | 4 | 15 |
| **Net Cost/(Benefit)** | - | 121 | 485 |

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

This is an on-going program to fund small corporate moves, minor interior renovations, and other miscellaneous projects for which no other separate financing is available. This program is fundamental to productivity gain for corporate renovations, moves, etc. which facilitate client changes/activities.

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

Project Name: **Accommodation Facilities**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Property Asset Management |
| Project: | 6395000115 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,550 | - | 951 | 1,994 | 1,863 | 1,889 | 6,697 | 8,247 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,550 | | 951 | 1,994 | 1,863 | 1,889 | 6,697 | 8,247 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,550 | - | 951 | 1,994 | 1,863 | 1,889 | - | 8,247 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,550 | | 951 | 1,994 | 1,863 | 1,889 | | 8,247 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,550 | | 951 |
| **Total Direct Costs** | 1,550 | - | 951 |
| Less: Incremental Revenue/Recovery | 47 | | 29 |
| **Net Cost/(Benefit)** | 1,503 | - | 922 |

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

This program is for refurbishment and/or improvements to various accommodations facilities and includes interior, accessibility, elevator, escalator, heating, ventilation, air conditioning, electrical, plumbing, parking lot, building envelope and structural improvements.

Projects for 2015 include the following:

City Council building refurbishment

Electrical system upgrades - various

Building refurbishment - various

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

Project Name: **St. Vital Library - Building System Refurbishment**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Property Asset Management |
| Project: | 6395010115 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 850 | - | - | - | - | - | - | 850 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 850 | | | | | | - | 850 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 850 | - | - | - | - | - | - | 850 |
| Financed by: | | | | | | | | |
| Cash to Capital | 850 | | | | | | | 850 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 850 | | |
| **Total Direct Costs** | 850 | - | - |
| Less: Incremental Revenue/Recovery | 26 | | |
| **Net Cost/(Benefit)** | 824 | - | - |

Class Estimate: 3

St. Vital Library, located at 6 Fermor Avenue, opened in 1963 and significant components of this 50 year old building and its operating systems are original or are in older repair/retrofit condition. As such, many items are near, at, or approaching useful service life. Building condition reports coupled with ongoing inspections and assessment by Municipal Accommodations staff have identified upgrade/renewal/ repair/replacement needs for the following components:

- Fire alarm system
- Life safety
- Emergency lighting
- HVAC
- Roof
- Building envelope including windows, exterior cladding
- Miscellaneous hardware, fixtures, signage throughout
- Ancillary equipment and systems

Due to its age this asset is in need of significant repairs and upgrades. Risk of maintaining this facility's existing level of service is tied to inadequacies of critical building systems including fire alarm and life safety. Investing in such repairs/replacement will align with civic policy to maintain and protect heritage assets. St. Vital Library was designated a City of Winnipeg Grade III Heritage Building in May, 2014.

Project Name: **Millennium Library - HVAC and Temperature Control Improvements**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Property Asset Management |
| Project: | 6395020115 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | 1,239 | - | - | - | - | 1,239 | 1,439 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | 1,239 | | | | | 1,239 | 1,439 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 1,239 | - | - | - | - | - | 1,439 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | 1,239 | | | | | | 1,439 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 200 | 1,239 | |
| **Total Direct Costs** | 200 | 1,239 | - |
| Less: Incremental Revenue/Recovery | 6 | 37 | |
| **Net Cost/(Benefit)** | 194 | 1,202 | - |

Class Estimate: 5

A redevelopment of the existing library located at 251 Donald was started in 2003 and was completed in 2005. The redevelopment was comprised of renovations of the existing space and the addition of a new fourth floor and a new reading terrace with a four story tall glass curtain wall along the southeast elevation of the building.

Since the redevelopment the facility has experienced problems relating to solar heat gain, space temperature, air balance and static pressure and overall occupant comfort.

The variables that are impacting the building environment need to be addressed in order to reduce negative impacts on building infrastructure and occupant comfort. Addressing these variables (see listing below) will add to the service life of the facility, reduce energy costs and improve the indoor environment to clients using the services and programs provided by Community Services Department.

- HVAC system inadequacies and imbalances

- The energy efficiency of the four story glass curtain wall is less than optimal

- A solar shade system installation at the glass curtain wall should be considered to reduce solar gain in the summer while allowing solar gain in the winter.

In 2015, a design specification will be developed based on a recently completed feasibility study report. This report will be used to develop a class 3 estimate for work to be undertaken in 2016. This work will involve upgrading of HVAC equipment, including additional cooling capacity and improved air balance and building pressurization as a first step in an overall capital improvement plan. Next steps would be to upgrade the windows in the glass curtain wall and to install a solar shade system to reduce solar gain in the summer and to take advantage of solar gain in the winter to reduce energy consumption.

Project Name: **Fire / Life Safety / Regulatory Upgrades**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Property Asset Management |
| Project: | 6331000415 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 275 | - | 710 | 720 | 759 | 708 | 2,897 | 3,172 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 275 | | 710 | 720 | 759 | 708 | 2,897 | 3,172 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 275 | - | 710 | 720 | 759 | 708 | - | 3,172 |
| Financed by: | | | | | | | | |
| Cash to Capital | 275 | | 710 | 720 | 759 | 708 | | 3,172 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 275 | | 710 |
| **Total Direct Costs** | 275 | - | 710 |
| Less: Incremental Revenue/Recovery | 8 | | 21 |
| **Net Cost/(Benefit)** | 267 | - | 689 |

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

This program is for Fire/Life Safety/Regulatory Requirements which includes upgrading/replacement of fire safety systems, emergency lighting, regulatory upgrades, asbestos and other hazardous material abatement as identified through the Asset Management Program for various facilities to meet the requirements of Fire/Building Codes and changing Government Regulations. Facilities include all recreation and accommodation facilities.

Projects for 2015 include the following:

Fire alarm/gas detection upgrades

Asbestos abatement

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

Project Name: **Energy Conservation**

Department: Municipal Accommodations
Service: Property Asset Management
Project: 6331000615
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 100 | 100 | 150 | 140 | 158 | 130 | 678 | 778 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 100 | 100 | 150 | 140 | 158 | 130 | 678 | 778 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | 100 | 150 | 140 | 158 | 130 | - | 778 |
| Financed by: | | | | | | | | |
| Cash to Capital | 100 | 100 | 150 | 140 | 158 | 130 | | 778 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 100 | 100 | 150 |
| **Total Direct Costs** | 100 | 100 | 150 |
| Less: Incremental Revenue/Recovery | 3 | 3 | 5 |
| **Net Cost/(Benefit)** | 97 | 97 | 145 |

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

This program is for energy conservation initiatives which include upgrading/replacement of building systems to improve energy efficiency as identified through the Asset Management Program for various facilities to meet the requirements of the Federal Office of Energy Efficiency and other changing government regulations/policies. Facilities include all recreation facilities and accommodation facilities.

Projects for 2015 includes:

Lighting upgrades - various

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

Project Name: **Tenant Improvement Prepayment - Major Department**

Department: Municipal Accommodations
Service: Property Asset Management
Project: 6331002315
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 200 | 200 | 180 | 193 | 155 | 186 | 914 | 1,114 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | 200 | 180 | 193 | 155 | 186 | 914 | 1,114 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 200 | 180 | 193 | 155 | 186 | - | 1,114 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | 200 | 180 | 193 | 155 | 186 | | 1,114 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 200 | 200 | 180 |
| **Total Direct Costs** | 200 | 200 | 180 |
| Less: Incremental Revenue/Recovery | 6 | 6 | 5 |
| **Net Cost/(Benefit)** | 194 | 194 | 175 |

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

Funds set aside for replacement of depreciated tenant improvements.

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

Project Name: **Historic Buildings**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Heritage Conservation |
| Project: | 6331000715 | OurWinnipeg: | Heritage |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 200 | 200 | 200 | 270 | 214 | 217 | 1,101 | 1,301 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | 200 | 200 | 270 | 214 | 217 | 1,101 | 1,301 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 200 | 200 | 270 | 214 | 217 | - | 1,301 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | 200 | 200 | 270 | 214 | 217 | | 1,301 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 200 | 200 | 200 |
| **Total Direct Costs** | 200 | 200 | 200 |
| Less: Incremental Revenue/Recovery | 6 | 6 | 6 |
| **Net Cost/(Benefit)** | 194 | 194 | 194 |

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

The City of Winnipeg has a substantial inventory of historic buildings that are steadily deteriorating. This program will provide for building system refurbishing, structural planning and remediation of further deterioration. Major structural repairs may be required.

Projects for 2015 include building envelope and structural refurbishment and assessment - 20 Westgate, 500 Salter and various facilities.

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

Project Name: **Generator Set Replacement and Upgrades**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Property Asset Management |
| Project: | 6331020815 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | - | 200 | 167 | 113 | 136 | 616 | 616 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 200 | 167 | 113 | 136 | 616 | 616 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 200 | 167 | 113 | 136 | - | 616 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 200 | 167 | 113 | 136 | | 616 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | 200 |
| **Total Direct Costs** | - | - | 200 |
| Less: Incremental Revenue/Recovery | | | 6 |
| **Net Cost/(Benefit)** | - | - | 194 |

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

The emergency generator sets in a number of facilities are coming to the end of their useful life and there is a possibility existing generators are not functioning as intended in future power outages. Present building codes require additional equipment, needed for fire and life safety purposes, to be supplied with backup power from a generator and as such existing generators may not have capacity to supply these systems. Building occupants are requesting backup power for their information technology operations which existing generator sets are not able to provide. As well there is a need to strategically locate new generators in facilities as part of an overall city emergency preparedness plan.

Project Name: **Security / Building Automation System Initiatives**

Department: Municipal Accommodations
Service: Property Asset Management
Project: 6331002615
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,275 | 225 | 140 | 188 | 201 | 196 | 190 | 915 | 1,140 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 225 | 140 | 188 | 201 | 196 | 190 | 915 | 1,140 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 225 | 140 | 188 | 201 | 196 | 190 | - | 1,140 |
| Financed by: | | | | | | | | |
| Cash to Capital | 225 | 140 | 188 | 201 | 196 | 190 | | 1,140 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 225 | 140 | 188 |
| **Total Direct Costs** | 225 | 140 | 188 |
| Less: Incremental Revenue/Recovery | 7 | 4 | 6 |
| **Net Cost/(Benefit)** | 218 | 136 | 182 |

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

Security/Building Automation systems include: HVAC controls, security systems and building access and monitoring systems.

Security has been noted as an on-going concern within all facilities. Enhanced security will reflect the evolving risk management needs to protect City staff and property from potential injury and loss and reduce legal liability. Possible upgrades may include security system improvements, system upgrades, access control and surveillance systems.

Present HVAC controls in buildings are aging and require replacement or upgrading to current standards. Up-to-date building HVAC controls are required for occupant comfort and contribute to reductions in energy consumption.

Projects for 2015 include the following:

Upgrade Fire and Life Safety Alarm Monitoring

Building automation and security upgrades - various facilities

Project Name: **Community Centres - Refurbishing and Improvements**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Recreation |
| Project: | 6390000115 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 700 | 700 | 620 | 644 | 673 | 667 | 3,304 | 4,004 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 350 | 400 | 420 | 644 | 673 | 667 | 2,804 | 3,154 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | | 350 | 300 | 200 | | | | 500 | 850 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 700 | 700 | 620 | 644 | 673 | 667 | - | 4,004 |
| Financed by: | | | | | | | | |
| Cash to Capital | 350 | 400 | 420 | 644 | 673 | 667 | | 3,154 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | 350 | 300 | 200 | | | | | 850 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 350 | 400 | 420 |
| **Total Direct Costs** | 350 | 400 | 420 |
| Less: Incremental Revenue/Recovery | 14 | 15 | 15 |
| **Net Cost/(Benefit)** | 336 | 385 | 405 |

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

This program is for refurbishment and improvements of Community Centres (CC).

Projects for 2015 include the following:

Roofing, building envelope - Morse Place, Roblin Park, Sinclair Park (Robertson Site), Winakwa

Building system upgrades - Greendell

Fall protection - various

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

Project Name: **Arenas**

Department: Municipal Accommodations
Project: 6391000115

Service: Recreation
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 725 | 525 | 325 | 525 | 525 | 565 | 2,465 | 3,190 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 463 | 300 | 100 | 525 | 525 | 565 | 2,015 | 2,478 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | | 262 | 225 | 225 | | | | 450 | 712 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 725 | 525 | 325 | 525 | 525 | 565 | - | 3,190 |
| Financed by: | | | | | | | | |
| Cash to Capital | 463 | 300 | 100 | 525 | 525 | 565 | | 2,478 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | 262 | 225 | 225 | | | | | 712 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 463 | 300 | 100 |
| **Total Direct Costs** | 463 | 300 | 100 |
| Less: Incremental Revenue/Recovery | 17 | 11 | 5 |
| **Net Cost/(Benefit)** | 446 | 289 | 95 |

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

This program is for refurbishment and/or improvements to various indoor arenas including ice plant component replacement, interior improvements, heating, ventilation and electrical improvements, replacements of rink components, building envelope and structural improvements.

Projects for 2015 include the following:

Rink board replacement - Pioneer, Billy Mosienko and various arenas

Glue lam beam refurbishment - Bertrand and various arenas

St. Vital Centennial Arena project

Interior upgrades - Eric Coy

Arena refurbishment - various

St. Vital Centennial Arena project - grants in the amount of $100,000 in 2014 and $200,000 in 2015 are included specifically for this project. An additional $100,000 in 2014 is to be funded from the Parks and Recreation Enhancement Program for a total grant budget of $400,000. Approval of this project is contingent upon this contribution.

St. Vital Centennial Arena budget amounts are capital grants and are exempt from the 1% administration charge. To provide the recipient the full amount of the grant, the 2% short-term financing charge is to be waived in this instance.

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

Project Name: **Indoor Aquatic Facilities**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Recreation |
| Project: | 6392000115 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,760 | 1,200 | 2,230 | 2,470 | 2,518 | 2,516 | 10,934 | 12,694 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 880 | 600 | 1,130 | 2,470 | 2,518 | 2,516 | 9,234 | 10,114 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | | 880 | 600 | 1,100 | | | | 1,700 | 2,580 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,760 | 1,200 | 2,230 | 2,470 | 2,518 | 2,516 | - | 12,694 |
| Financed by: | | | | | | | | |
| Cash to Capital | 880 | 600 | 1,130 | 2,470 | 2,518 | 2,516 | | 10,114 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | 880 | 600 | 1,100 | | | | | 2,580 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 880 | 600 | 1,130 |
| **Total Direct Costs** | 880 | 600 | 1,130 |
| Less: Incremental Revenue/Recovery | 35 | 24 | 45 |
| **Net Cost/(Benefit)** | 845 | 576 | 1,085 |

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

This program is for refurbishment and replacement of deteriorated building components/systems to selected aquatic facilities due to safety issues and aging building systems.

Projects for 2015 include the following:

Pool maintenance shutdowns (including electrical and building system refurbishment) - Boni-Vital, Cindy Klassen Recreation Centre, Eldon Ross, Seven Oaks and St. James Centennial

Mechanical / Electrical Upgrade - Boni-Vital Pool

Building envelope upgrade - Eldon Ross, St. James Centennial

Patch and re-lamp main tank - Pan Am Pool

Electrical service upgrade - study design - St. James Civic Centre

HVAC upgrade (Main AHU) - Cindy Klassen Recreation Centre

Indoor pool refurbishment - various

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

Project Name: **Pan Am Pool - Boiler System Replacement**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Recreation |
| Project: | 6392010114 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 830 | 770 | 770 | - | - | - | - | 770 | 1,540 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 400 | 400 | | | | | 400 | 800 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | | 370 | 370 | | | | | 370 | 740 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 770 | 770 | - | - | - | - | - | 1,540 |
| Financed by: | | | | | | | | |
| Cash to Capital | 400 | 400 | | | | | | 800 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | 370 | 370 | | | | | | 740 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 400 | 400 | |
| **Total Direct Costs** | 400 | 400 | - |
| Less: Incremental Revenue/Recovery | 16 | 16 | |
| **Net Cost/(Benefit)** | 384 | 384 | - |

Class Estimate: 2

The three natural gas fired boilers located at the Pan Am Pool are original equipment and are over 45 years old. These boilers have been retubed at the request of the Manitoba Department of Labour. Maintenance costs can be expected to increase as replacement parts for these obsolete boilers will continue to be more and more difficult to obtain. VFA reports indicate that the boilers are antiquated and should be replaced before a complete failure is experienced. New boiler technology is available which may increase the efficiency of these boilers from between 70% and 75% to a combustion efficiency approaching 90%. This would amount to a significant reduction of natural gas use.

Due to the old, poorly insulated boiler shells, the existing boilers generate heat within the boiler room which contributes to making this area very uncomfortable for employees. In addition, the existing boiler insulation contains asbestos. Therefore, removal of these boilers would make this a safer working environment for employees.

Project Name: **Pan Am Indoor Pool - Parking Lot Refurbishment**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Recreation |
| Project: | 6392020115 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 560 | 301 | - | - | - | 861 | 861 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 280 | 151 | | | | 431 | 431 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | | | 280 | 150 | | | | 430 | 430 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 560 | 301 | - | - | - | - | 861 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 280 | 151 | | | | | 431 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | | 280 | 150 | | | | | 430 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 280 | 151 |
| **Total Direct Costs** | - | 280 | 151 |
| Less: Incremental Revenue/Recovery | | 11 | 6 |
| **Net Cost/(Benefit)** | - | 269 | 145 |

Class Estimate: 4

The parking lot at the Pan Am Pool is of original design. The current design does not meet the needs of the patrons of Pan Am Pool.

Parking lots are considered to be in poor condition with visual distress conditions in the parking lot pavement. The existing asphalt pavement parking lot areas are original construction and at the end of their useful life. As result of open pavement cracks, infiltration of water is further deteriorating the base structure and compromising the pavement's structural integrity.

The Community Services Department and the Municipal Accommodations Division of the Planning, Property and Development Department have jointly identified a need to expand, repair and enhance the parking lot at Pan Am Pool. The project has been segmented into five "areas" with areas 1 and 2 being expansion of the parking lot and areas 3, 4 and 5 being repairs and enhancements to the existing parking lot. Municipal Accommodations has included funding for areas 3, 4 and 5. The Community Services Department's Pan Am Pool capital project provides funding in 2015 and 2016 for areas 1 and 2 and for landscaping.

The parking lot expansion is supported by a Class 3 estimate. The facility renovations, upgrades and enhancements are supported by a class 4 estimate as the feasibility study early in 2015 will drive the Request for Proposal estimate. This project may be scalable depending on the results of the study. Full completion of the projects by early summer 2017 is required.

Project Name: **Seven Oaks Indoor Pool - Renewal Plan**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Recreation |
| Project: | 6392030114 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 3,729 | - | - | - | - | - | - | 3,729 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 3,729 | | | | | | - | 3,729 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,729 | - | - | - | - | - | - | 3,729 |
| Financed by: | | | | | | | | |
| Cash to Capital | 3,729 | | | | | | | 3,729 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 3,729 | | |
| **Total Direct Costs** | 3,729 | - | - |
| Less: Incremental Revenue/Recovery | 112 | | |
| **Net Cost/(Benefit)** | 3,617 | - | - |

Class Estimate: 3

Seven Oaks Indoor Pool - Renewal Plan - Phase 1 - 2014 renovation of customer experience areas (lobby, customer service desk, new family change room area, renovation of existing lockers, washroom renovations); Phase 2 - 2015 indoor spray pad addition and indoor wading pool. An additional $200,000 is to be funded from the Parks and Recreation Enhancement Program. Approval of this project is contingent upon this contribution.

Phase 1 $850,000; Phase 2a $3,250,000; Phase 2b $850,000 for a total project of $4.95 million over two years. The project will be financed by Building Communities Initiative (BCI) II - Phase 2 ($800,000) and Phase 3 ($221,000) for a total of $1.021 million, cash-to-capital ($3.729 million) and funding from the 2014 Parks and Recreation Enhancement Program ($200,000).

The City intends to work with the Province to allocate $1.021 million through the Building Communities Initiative (BCI) program included as part of the Planning, Property and Development capital program and project funding is contingent on this BCI contribution.

Project Name: **Outdoor Aquatic Facilities**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Recreation |
| Project: | 6393000115 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 330 | 350 | 342 | 340 | 338 | 340 | 1,710 | 2,040 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 155 | 175 | 217 | 340 | 338 | 340 | 1,410 | 1,565 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | | 175 | 175 | 125 | | | | 300 | 475 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 330 | 350 | 342 | 340 | 338 | 340 | - | 2,040 |
| Financed by: | | | | | | | | |
| Cash to Capital | 155 | 175 | 217 | 340 | 338 | 340 | | 1,565 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | 175 | 175 | 125 | | | | | 475 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 155 | 175 | 217 |
| **Total Direct Costs** | 155 | 175 | 217 |
| Less: Incremental Revenue/Recovery | 6 | 7 | 8 |
| **Net Cost/(Benefit)** | 149 | 168 | 209 |

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

This program is for refurbishing/improvements to various outdoor facilities including wading pool basins, slide components, outdoor swimming pool tanks, mechanical systems and pool decks required due to aging building infrastructure.

Projects for 2015 include the following:

Mechanical upgrades - various outdoor pools

Tank refurbishment - various outdoor pools

Wading pool demolition - various

Building refurbishment - various wading pools

Concrete basin refurbishment - various wading pools

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

Project Name: **Community Facilities**

Department: Municipal Accommodations
Service: Recreation
Project: 6394000115
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 200 | 200 | 200 | 260 | 212 | 214 | 1,086 | 1,286 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | 200 | 200 | 260 | 212 | 214 | 1,086 | 1,286 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 200 | 200 | 260 | 212 | 214 | - | 1,286 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | 200 | 200 | 260 | 212 | 214 | | 1,286 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 200 | 200 | 200 |
| **Total Direct Costs** | 200 | 200 | 200 |
| Less: Incremental Revenue/Recovery | 6 | 6 | 6 |
| **Net Cost/(Benefit)** | 194 | 194 | 194 |

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

This program is for refurbishment and/or replacement of building components and systems to meet safety and health concerns and correct deteriorating infrastructure at shops, leisure centres, etc.

Projects for 2015 include the following:

Building envelope upgrade - 601 Aikins (St. John's Leisure Centre)

Building Code study / design - 2055 Ness (St. James Civic Centre)

Various building upgrades

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

Project Name: **Building Asset / Work Management Program**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Property Asset Management |
| Project: | 6390001015 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 200 | 162 | 152 | 163 | 175 | 170 | 822 | 1,022 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | 162 | 152 | 163 | 175 | 170 | 822 | 1,022 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 162 | 152 | 163 | 175 | 170 | - | 1,022 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | 162 | 152 | 163 | 175 | 170 | | 1,022 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 200 | 162 | 152 |
| **Total Direct Costs** | 200 | 162 | 152 |
| Less: Incremental Revenue/Recovery | 6 | 5 | 5 |
| **Net Cost/(Benefit)** | 194 | 157 | 147 |

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

The City Auditor presented the Public Works Asset Management Audit - Part 2 Facilities Maintenance in June 2006. The Auditor made a number of recommendations relative to the development of an asset management/work management program and linking to other division/ corporate programs. This funding provides for the on-going program of building assessment/inspection to ensure building condition data is current, and on-going improvements to the division's work management program.

Program includes: building assessments, integrations with Corporate Asset Management initiatives and work management initiatives.

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

Project Name: **UFF - Hockey Pen Light Standard Replacement**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Recreation |
| Project: | 6390002015 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 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 | | 100 | 100 | 100 | 100 | 100 | 100 | 500 | 600 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | 100 | 100 | 100 | 100 | 100 | - | 600 |
| Financed by: | | | | | | | | |
| Cash to Capital | 100 | 100 | 100 | 100 | 100 | 100 | | 600 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 100 | 100 | 100 |
| **Total Direct Costs** | 100 | 100 | 100 |
| Less: Incremental Revenue/Recovery | 3 | 3 | 3 |
| **Net Cost/(Benefit)** | 97 | 97 | 97 |

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

The replacement of hockey pen light standards at various locations has been determined to be the City's responsibility under the Universal Funding Formula (UFF) with the Community Centres. As such, this program is intended to fund the replacement of hockey pen light standards and bases in consideration of workplace safety and health issues, utilization of such hockey pens, number of pens at the specific site, and the Recreation and Leisure Facilities (RALF) policy context.

Projects for 2015 include refurbishing light standards at Woodhaven and various sites.

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

Project Name: **City-Wide Accessibility Program**

Department: Municipal Accommodations
Service: Neighbourhood Revitalization
Project: 6390005015
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 350 | 350 | 350 | 350 | 350 | 350 | 1,750 | 2,100 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 350 | 350 | 350 | 350 | 350 | 350 | 1,750 | 2,100 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 350 | 350 | 350 | 350 | 350 | 350 | - | 2,100 |
| Financed by: | | | | | | | | |
| Cash to Capital | 350 | 350 | 350 | 350 | 350 | 350 | | 2,100 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 350 | 350 | 350 |
| **Total Direct Costs** | 350 | 350 | 350 |
| Less: Incremental Revenue/Recovery | 11 | 11 | 11 |
| **Net Cost/(Benefit)** | 339 | 339 | 339 |

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

Funding to address city wide accessibility issues (Executive Policy Committee recommendation adopted by Council September 25, 2002).

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

Project Name: **St. James Civic Centre**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Recreation |
| Project: | 6394010115 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 900 | 936 | 1,040 | 1,040 | - | 3,916 | 3,916 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 900 | 936 | 1,040 | 1,040 | | 3,916 | 3,916 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 900 | 936 | 1,040 | 1,040 | - | - | 3,916 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 900 | 936 | 1,040 | 1,040 | | | 3,916 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 900 | 936 |
| **Total Direct Costs** | - | 900 | 936 |
| Less: Incremental Revenue/Recovery | | 27 | 28 |
| **Net Cost/(Benefit)** | - | 873 | 908 |

Class Estimate: 3

On December 17, 2013, Council approved $900,000 to be allocated in 2015 (this budget authorization deferred to 2017 to align with estimated timing of confirmation of contingent funding; increased $36,000 for inflation) and $900,000 to be allocated in 2016 for funding aimed at the expansion of the St. James 55+ Centre at the St. James Civic Centre contingent upon matching funding from the provincial and federal governments and a capital campaign. The capital was directed to Municipal Accommodations 2015 to 2019 capital forecast. The St. James Civic Centre is in dire need of enhancements and upgrades in order to continue to offer recreation service opportunities to the community.

The building systems (Electrical, HVAC, Envelope and Mechanical) are aged and at the end of their useful life. A renovation/expansion such as the St. James 55+ Centre provides the opportunity to review these systems and ensure that the design of the systems meets the current and anticipated uses of the facility. Therefore, to achieve efficiencies and synergies with the expansion of the St. James 55+ Centre at the St. James Civic Centre, Municipal Accommodations will extend the scope of the project to include the required building system upgrades. As the capital project already exists in Municipal Accommodations, funds from the Community Services 2018 and 2019 forecast have been realigned to Municipal Accommodations for this project.

Confirmed Community Services funding of $1,040,000 in 2018 and 2019 totalling $2.08 million will be transferred from their Recreation, Refurbishment and Redevelopment Program - Existing Infrastructure. Municipal Accommodations funding of $1.8 million and the Community Services funding of $2.08 million is contingent on the federal and provincial governments and capital campaign additional funding of $3.8 million.

Project Name: **City Hall - Building Refurbishment**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Property Asset Management |
| Project: | 6395100115 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 450 | 1,000 | 1,000 | - | - | - | 2,000 | 2,450 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 450 | 1,000 | 1,000 | | | | 2,000 | 2,450 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 450 | 1,000 | 1,000 | - | - | - | - | 2,450 |
| Financed by: | | | | | | | | |
| Cash to Capital | 450 | 1,000 | 1,000 | | | | | 2,450 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 450 | 1,000 | 1,000 |
| **Total Direct Costs** | 450 | 1,000 | 1,000 |
| Less: Incremental Revenue/Recovery | 14 | 30 | 30 |
| **Net Cost/(Benefit)** | 436 | 970 | 970 |

Class Estimate: 5

The building envelope is beginning to show signs of deterioration including interior staining of the tyndall stone in the Council building (510 Main Street) due to water penetration. The roof membrane has reached the end of the expected life cycle and is in need of replacement. There is known to be asbestos in the building which should be removed to make it safer for the employees working in the area and for employees working on the building systems. The fire safety systems are aged and required updating.

The $450,000 2015 capital project budget is for architectural and engineering design works to address all items identified in the November 2012 "City of Winnipeg - Council Chamber Building - Building Envelope Assessment" report prepared by Crosier Kilgour and Partners, as well as addressing hazardous materials abatement work required within the former City Clerk space prior to redevelopment. The first stage of refurbishment of the City Hall Council Building will address the building envelope, the roof membrane and insulation replacement, replacement of the windows for air barrier improvements as well as removal of caulking and repointing of the masonry joints in the wall system. This will provide increased energy savings and tenant comfort within the Council Building offices.

The refurbishment of the City Council building is anticipated to cost approximately $4.1 million in total. As noted, the $450,000 budgeted for 2015 is to be utilized in part to obtain a class 3 construction cost estimate. Provided the class 3 estimate is obtained during the 2015 construction season, up to $1.65 million of the 2015 Accommodation Facilities capital program budget would be earmarked for this project.

Project Name: **East Yard Complex Development**

| | | | |
|---|---|---|---|
| Department: | Municipal Accommodations | Service: | Property Asset Management |
| Project: | 6331000512 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 49,520 | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Interim Financing from Land Operating Reserve (Repayment) | | | (450) | | | | | (450) | (450) |
| Land Operating Reserve | | | 450 | | | | | 450 | 450 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | |
| Interim Financing from Land Operating Reserve (Repayment) | | (450) | | | | | | (450) |
| Land Operating Reserve | | 450 | | | | | | 450 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 1

The Public Works East Yard Complex has combined operations on the east side of the Red River to provide more efficient and cost effective service delivery and vacate/dispose of existing properties which are beyond their useful life.

On July 22, 2009, Council approved the Public Works East Yards Consolidation Project be located at the former Elmwood/Nairn Landfill Site; the Traffic Signals Branch (TSB) and components (3 bays) of Winnipeg Fleet Management Agency (WFMA) be relocated from Tecumseh and Elgin to the Public Works Campus at Pacific Avenue; and the relocation of the WFMA from Tecumseh and Elgin to the Public Works East Yards.

On November 16, 2011, Council approved the award of contract and funding strategy for a consolidated Public Works Department and WFMA East Yard Complex at the former Elmwood Nairn Landfill site. Council also adopted a first charge of up to $5 million in 2011 and 2012 prior to the adoption of the 2012 Capital Budget to allow timely award of contracts and payment of related invoices.

Project Name: **Sherbrook Pool Reopening**

Department: Municipal Accommodations
Service: Recreation
Project: 6392040115
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,821 | 1,952 | - | - | - | - | - | - | 1,952 |
| Financed by: | | | | | | | | | |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | | 1,000 | | | | | | - | 1,000 |
| Kinsmen Club of Winnipeg (Sponsor Winnipeg) | | 572 | 95 | 95 | 95 | 95 | | 380 | 952 |
| Interim Financing from General Capital Fund / (Repayment) | | 380 | (95) | (95) | (95) | (95) | | (380) | - |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,952 | - | - | - | - | - | - | 1,952 |
| Financed by: | | | | | | | | |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | 1,000 | | | | | | | 1,000 |
| Kinsmen Club of Winnipeg (Sponsor Winnipeg) | 572 | 95 | 95 | 95 | 95 | | | 952 |
| Interim Financing from General Capital Fund / (Repayment) | 380 | (95) | (95) | (95) | (95) | | | - |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | 20 | | |
| **Net Cost/(Benefit)** | (20) | - | - |

Class Estimate: 3

On December 17, 2013, Council approved $1.671 million in capital funding for the reopening of Sherbrook Pool. The funding consists 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 is anticipated that $572,000 in payments will be received by the end of 2015 with payments of $95,000 each year from 2016 to 2019.

Sherbrook Pool requires extensive repairs to the building systems and structure. Rehabilitation of the Sherbrook Pool will include structural repairs to the roof, support beams and pool tank, mechanical repairs to the water service, drainage and heating, ventilation and air conditioning (HVAC) systems, electrical and fire alarm system upgrades as well as change room improvements. It is estimated that from nine to twelve (9 - 12) months will be required to complete all repairs assuming that no additional items requiring repair/replacement or building code compliance issues are uncovered.

Project Name: **Innovation Capital Fund**

Department: City Clerks
Project: 0400001715
Service: Council Services
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 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 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,000 | | | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External 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 | - | - |

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

The Innovation Capital Fund will facilitate investment in new and innovative ideas for efficiencies, improved service, accountability and responsiveness to City operations. The Alternative Service Delivery Committee will oversee this fund and develop a process for review, approval, investment and implementation of promising ideas and proposals.

Project Name: **Corporate Records Centre**

Department: City Clerks
Project: 0400000917

Service: Heritage Conservation
OurWinnipeg: Heritage

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 725 | - | - | 150 | - | - | - | 150 | 150 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 150 | | | | 150 | 150 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 150 | - | - | - | - | 150 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 150 | | | | | 150 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External Debt and finance charges | | | |
| Transfer to General Capital Fund | | | 150 |
| **Total Direct Costs** | - | - | 150 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | 150 |

Class Estimate: 5

The City Clerk's Department has a corporate responsibility for records management services and archives as outlined in the City of Winnipeg Charter. To date, temporary record storage has taken place at 380 William Avenue. The facility is now at maximum capacity, forcing departments to utilize private records storage centres. Departments are bound by by-law to keep records for a specific period of time.

In order to provide a more centralized and more cost effective records management storage service, the City Clerk's Department has renovated a portion of a city owned warehouse at 311 Ross Avenue to accommodate records storage. The area will remain a warehouse but upgrades and repairs have taken place to floors and walls, upgraded lighting and security, and installation of shelving.

On-going upgrades are expected at the 5-year mark to meet anticipated demand for corporate records. These will include a review with departments on practices, procedures and charge backs. Expansion of storage capabilities will be undertaken, especially in the area of oversized and specialty records.

Project Name: **Election Systems**

Department: City Clerks
Project: 0400000514
Service: Council Services
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | - | 200 | 200 | - | - | 400 | 400 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 200 | 200 | | | 400 | 400 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 200 | 200 | - | - | - | 400 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 200 | 200 | | | | 400 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External Debt and finance charges | | | |
| Transfer to General Capital Fund | | | 200 |
| **Total Direct Costs** | - | - | 200 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | 200 |

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 2010 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 will need to be upgraded / revitalized for the 2014 election include the List of Electors system, GIS mapping systems, election night reporting systems and web sites, especially those utilizing the Internet for more effective communication with candidates, media and the public.

A similar effort will be required for the 2018 election.

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

Project Name: **Decision Making Information System (DMIS) Replacement**

Department: City Clerks
Project: 0400001518
Service: Council Services
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 250 | - | - | 250 | 250 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 250 | | | 250 | 250 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 250 | - | - | - | 250 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 250 | | | | 250 |

| OPERATING IMPACT | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External Debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 5

The Decision Making Information System or DMIS is a system providing information to elected officials, senior administrators and the public with agendas, minutes, by-laws and other information generated as a result of over 400 annual public meetings of Council and its Committees each year. DMIS was developed in the early part of the century and will need to be replaced to remain in keeping with current and changing technologies and expectations of the public.

Project Name: **2017 Canada Summer Games**

Department: City Clerks
Project: 0400001615
Service: Arts, Entertainment and Culture
OurWinnipeg: OurWinnipeg Action Plan

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 750 | 750 | 750 | 750 | - | - | - | 1,500 | 2,250 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 750 | 750 | 750 | | | | 1,500 | 2,250 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,500 | 750 | - | - | - | - | 2,250 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 1,500 | 750 | | | | | 2,250 |

| OPERATING IMPACT | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External Debt and finance charges | | | |
| Transfer to General Capital Fund | 750 | 750 | 750 |
| **Total Direct Costs** | 750 | 750 | 750 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 750 | 750 | 750 |

Class Estimate: 3

This project allows the City of Winnipeg to support a $3,000,000 capital contribution towards the 2017 Canada Summer Games to be advanced over a 4-year period (2014 - 2017), an equally shared indemnification agreement with the Province of Manitoba, a facilities upgrade program, and a legacy project or projects, that are agreeable to the City.

Council concurred (Minute No. 604, June 25, 2014) in the recommendation of the Standing Policy Committee on Protection and Community Services and adopted that the Sport for Life Centre Fieldhouse be approved as the principal capital legacy project for the 2017 Canada Games and that up to $1 Million of the City of Winnipeg's $3 Million 2017 Canada Games capital contribution be applied to the Sport for Life Centre Fieldhouse Legacy Project, conditional upon an equal capital contribution of up to $1 Million from both the Federal and Provincial governments.

As this is a capital grant, it is exempt from the 1% administration and 2% short-term financing charges.

Project Name: **PeopleSoft Upgrade**

Department: Corporate Support Services
Service: Organizational Support Services
Project: 3455000015
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,475 | 200 | 500 | 1,800 | 1,000 | - | - | 3,300 | 3,500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | 500 | 1,800 | 1,000 | | | 3,300 | 3,500 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 500 | 1,800 | 1,000 | - | - | - | 3,500 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | 500 | 1,800 | 1,000 | | | | 3,500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 200 | 500 | 1,800 |
| **Total Direct Costs** | 200 | 500 | 1,800 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 200 | 500 | 1,800 |

Class Estimate: 3

The City is committed to renewing its PeopleSoft investment to take advantage of new functionality and remain current with supplier's support.

Project Name: **Communications Network Infrastructure**

Department: Corporate Support Services
Service: Organizational Support Services
Project: 3401200015
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 275 | 125 | 375 | 630 | 315 | 355 | 1,800 | 2,075 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 275 | 125 | 375 | 630 | 315 | 355 | 1,800 | 2,075 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 275 | 125 | 375 | 630 | 315 | 355 | - | 2,075 |
| Financed by: | | | | | | | | |
| Cash to Capital | 275 | 125 | 375 | 630 | 315 | 355 | | 2,075 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 275 | 125 | 375 |
| **Total Direct Costs** | 275 | 125 | 375 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 275 | 125 | 375 |

Class Estimate: 1

Communications Network Infrastructure is the implementation and enhancement of the backbone network infrastructure which connects the decentralized 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.

Communications Network Infrastructure also includes the enhancement of the Tait 2-way radio network which forms the radio communication backbone for Civic Departments. This is a robust radio relay comprised of three towers placed at strategic locations within Winnipeg, and allows low-cost, high-availability communication between staff on foot or in vehicles. It is widely used by departments including Fleet Management Agency, Winnipeg Parking Authority, Public Works, Fire and Paramedic Service, and Community Services.

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

| **Projects over $100,000 are as follows:** | **2015** | **2016** | **2017** |
|---|---|---|---|
| Network System Evergreens | 140 | 75 | 305 |
| Projects under $100,000 | 135 | 50 | 70 |
| **Total Project Costs** | **275** | **125** | **375** |

Project Name: **Enterprise Computing Initiatives**

Department: Corporate Support Services
Service: Organizational Support Services
Project: 3402500015
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,115 | 1,646 | 1,150 | 801 | 854 | 1,149 | 5,600 | 6,715 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,115 | 585 | 844 | 801 | 539 | 1,112 | 3,881 | 4,996 |
| Transfer from Computer Replacement Reserve | | | 1,061 | 306 | | 315 | 37 | 1,719 | 1,719 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,115 | 1,646 | 1,150 | 801 | 854 | 1,149 | - | 6,715 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,115 | 585 | 844 | 801 | 539 | 1,112 | | 4,996 |
| Transfer from Computer Replacement Reserve | | 1,061 | 306 | | 315 | 37 | | 1,719 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,115 | 585 | 844 |
| **Total Direct Costs** | 1,115 | 585 | 844 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,115 | 585 | 844 |

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

The City utilizes enterprise servers, 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 (every five years) 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. There are also requirements to expand the capability of this infrastructure to support the new functionality requirements of the organization and to allow the requirements of the organization to be addressed at a lower cost (e.g. server virtualization, enhanced availability for critical systems, enhanced virus and SPAM protection).

| **Projects over $100,000 are as follows:** | **2015** | **2016** | **2017** |
|---|---|---|---|
| Tape Library Evergreen | 635 | | |
| 510 Main 40 Kva Uninterruptible Power Supply Evergreen | 150 | | |
| Server Evergreen | 162 | 229 | 144 |
| Storage Evergreen | 76 | 1,192 | 856 |
| Total Projects over $100,000 | 1,023 | 1,421 | 1,000 |
| Projects under $100,000 | 92 | 225 | 150 |
| **Total Project Costs** | **1,115** | **1,646** | **1,150** |

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

Project Name: **Aerial Imagery Renewal Program**

| | | | |
|---|---|---|---|
| Department: | Corporate Support Services | Service: | Organizational Support Services |
| Project: | 3458100016 | OurWinnipeg: | Prosperity |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 150 | - | 165 | - | 190 | 505 | 505 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 150 | | 165 | | 190 | 505 | 505 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 150 | - | 165 | - | 190 | - | 505 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 150 | | 165 | | 190 | | 505 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | - | 150 | - |
| **Total Direct Costs** | - | 150 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 150 | - |

Class Estimate: 2

Aerial photo acquisition occurs every two years to coincide with the Assessment Taxation Department's property assessment program. The updated imagery provides a permanent historical record at a specific point in time.

Project Name: **Software Renewal Program**

Department: Corporate Support Services
Service: Organizational Support Services
Project: 3458200015
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 70 | 157 | - | - | 157 | - | 314 | 384 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 70 | 157 | | | 157 | | 314 | 384 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 70 | 157 | - | - | 157 | - | - | 384 |
| Financed by: | | | | | | | | |
| Cash to Capital | 70 | 157 | | | 157 | | | 384 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 70 | 157 | |
| **Total Direct Costs** | 70 | 157 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 70 | 157 | - |

Class Estimate: 3

The Software Renewal Program is for the renewal of the Microsoft Developer Network (MSDN) subscription every 3 years plus other development tool acquisitions.

MSDN provides information technology professionals (Developers, Testers, Architects, Systems, and Network, etc.) access to new and older versions of Microsoft products including developer tools, operating systems, server software, and productivity applications. Subscribers can use the software to design, develop, test, and demonstrate applications on multiple devices, a function which would be cost prohibitive if each piece of software were purchased separately. MSDN also provides other benefits such as technical support and e-learning.

One-time capital funding is also requested for the Intergraph site license in 2015.

Project Name: **Data Warehouse / Business Intelligence**

Department: Corporate Support Services
Service: Organizational Support Services
Project: 3456000015
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 218 | - | - | 150 | 175 | 175 | 500 | 718 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 150 | 175 | 175 | 500 | 500 |
| Transfer from Prior Year Authorization (2013 and 2014 Data Warehouse / Business Intelligence) | | 218 | | | | | | - | 218 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 218 | - | - | 150 | 175 | 175 | | 718 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 150 | 175 | 175 | - | 500 |
| Transfer from Prior Year Authorization (2013 and 2014 Data Warehouse / Business Intelligence) | 218 | | | | | | | 218 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | - | - | - |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

The ability to accurately and consistently report data from many applications is becoming increasingly important. The Data Warehouse will provide the base from which many application systems and their data can be brought together to provide reporting capability as the City moves toward a more service based view of its operation.

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

Project Name: **311 Renewal**

Department: Corporate Support Services
Service: Organizational Support Services
Project: 3457000015
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 646 | 250 | 100 | 450 | 250 | 100 | 450 | 1,350 | 1,600 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 250 | 100 | 450 | 250 | 100 | 450 | 1,350 | 1,600 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | 100 | 450 | 250 | 100 | 450 | - | 1,600 |
| Financed by: | | | | | | | | |
| Cash to Capital | 250 | 100 | 450 | 250 | 100 | 450 | | 1,600 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 250 | 100 | 450 |
| **Total Direct Costs** | 250 | 100 | 450 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 250 | 100 | 450 |

Class Estimate: 3

The City is committed to renewing its Call Center application investment every three years to take advantage of new functionality and remain current with suppliers' support.

| **Projects over $100,000 are as follows:** | **2015** | **2016** | **2017** |
|---|---|---|---|
| INAN Upgrade | 150 | | |
| Lagan Upgrade | | | 450 |
| **Total Project Costs** | **150** | **-** | **450** |

Project Name: **Teraspan Fibre Ring Renewal**

Department: Corporate Support Services
Service: Organizational Support Services
Project: 3462200015
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 635 | 119 | - | - | - | - | 119 | 754 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 106 | 119 | | | | | 119 | 225 |
| Transfer from Prior Year Authorization (2014 Data Warehouse / Business Intelligence) | | 529 | | | | | | | 529 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 635 | 119 | - | - | - | - | - | 754 |
| Financed by: | | | | | | | | |
| Cash to Capital | 106 | 119 | | | | | | 225 |
| Transfer from Prior Year Authorization (2014 Data Warehouse / Business Intelligence) | 529 | | | | | | | 529 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 106 | 119 | |
| **Total Direct Costs** | 106 | 119 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 106 | 119 | - |

Class Estimate: 3

The City currently owns and maintains a 40 km. fibre optics plant, which provides ultra-high speed network connectivity to 30 buildings throughout Winnipeg. Departments including public safety entities are stakeholders in this very important service.

Implemented in 2006, this fibre ring is maintained under a contract with TeraSpan Networks. TeraSpan owns the conduit that the fibre runs through, while the City owns individual fibre strands. A monthly maintenance cost ensures fibre cuts are repaired expediently and with guaranteed service levels; this is extremely important as the fibre is buried very shallow along sidewalks and curbs (often mere inches) and is periodically damaged by street crews.

In 2016 the contract with TeraSpan will come to an end. By this time the ring will be retired in favour of other more traditional leased services for the approximately 24 sites remaining on TeraSpan. Leased fibre services require capital investment of $25,000 on average to install the fibre in each of these 24 buildings, in addition to monthly operating expense.

Capital is being requested in 2015 and 2016 that would contribute to this upfront installation cost, plus project management services required to successfully perform the migration.

Project Name: **Infrastructure Service Enhancements**

Department: Corporate Support Services
Service: Organizational Support Services
Project: 3454000015
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | 150 | 50 | - | 50 | - | 250 | 250 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 150 | 50 | | 50 | | 250 | 250 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 150 | 50 | - | 50 | - | - | 250 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 150 | 50 | | 50 | | | 250 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 150 | 50 |
| **Total Direct Costs** | - | 150 | 50 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 150 | 50 |

Class Estimate: 2

Infrastructure Service Enhancements supports projects that use information technology for the provision of shared infrastructure services. It focuses on the optimization of service delivery for all elements of the infrastructure including hardware, software, network and the physical infrastructure. It results in providing services more efficiently and effectively which translates into productivity gains and reduced cost.

Project Name: **Enterprise Content Management (formerly Document Management)**

Department: Corporate Support Services
Service: Organizational Support Services
Project: 3470000015
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | 275 | - | - | - | - | - | - | 275 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 275 | | | | | | - | 275 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 275 | - | - | - | - | - | - | 275 |
| Financed by: | | | | | | | | |
| Cash to Capital | 275 | | | | | | | 275 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 275 | | |
| **Total Direct Costs** | 275 | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 275 | - | - |

Class Estimate: 3

The City needs to ensure that decisions in all levels of the organization are based on easily accessible information contained in the authoritative version of documents. A uniform Document Management solution deployed throughout the City will provide the controls that enable this in an expedient and cost-effective manner. This project constitutes the enterprise discovery phase that would provide a strategy and roadmap for a future enterprise-wide implementation.

Project Name: **Candidate Gateway**

Department: Corporate Support Services
Service: Organizational Support Services
Project: 3459100015
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 203 | 721 | 218 | - | - | - | 939 | 1,142 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 203 | 721 | 218 | | | | 939 | 1,142 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 203 | 721 | 218 | - | - | - | - | 1,142 |
| Financed by: | | | | | | | | |
| Cash to Capital | 203 | 721 | 218 | | | | | 1,142 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 203 | 721 | 218 |
| **Total Direct Costs** | 203 | 721 | 218 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 203 | 721 | 218 |

Class Estimate: 3

The PeopleSoft Candidate Gateway project will design and implement efficient recruitment processes and tools that enhance the City's image, improve the candidate and hiring manager experience, and provide the ability to measure and report on selection activity. Achievement of this objective will be guided by the delivered functionality in the PeopleSoft Candidate Gateway Module and a thorough business process review.

Project Name: **Assessment Automation**

Department: Assessment and Taxation
Service: Assessment, Taxation and Corporate
Project: 1400000115
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 750 | - | 870 | 320 | 350 | 200 | 1,740 | 2,490 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 750 | - | 870 | 320 | 350 | 200 | 1,740 | 2,490 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 750 | - | 870 | 320 | 350 | 200 | - | 2,490 |
| Financed by: | | | | | | | | |
| Cash to Capital | 750 | | 870 | 320 | 350 | 200 | | 2,490 |

| NET OPERATING IMPACT ($000's) | 2015 | 2015 | 2016 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 750 | | 870 |
| **Total Direct Costs** | 750 | - | 870 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 750 | - | 870 |

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

The funding in 2015 is for the replacement of the current Hummingbird document management system which operates on Microsoft 2003 Operating system platform which will be obsolete in June 2015; this requires an upgrade in the document management system to a version that runs on either a Microsoft 2008 or 2012 operating system. The estimated cost of this replacement is $200,000.

In addition to the funding for the Hummingbird replacement, the funding in 2015 to 2020 is for further system upgrades and rehabilitation to the Manta system and other key assessment and taxation systems including quality systems, acquisition of property images including high resolution aerial images, and integration of PADIView with other key applications. The Manta system includes the tax billing information and accounts receivable for all properties in the City of Winnipeg. This system is integral to the annual tax billing process and is used in all taxation processes including realty and business tax billings, accounts receivable, Tax Installment Payment Plan, Local Improvements, Tax Sale, and customer service. The Manta program is now fourteen years old in 2014. It is prudent to budget funding in future years to review the sustainability of the current system and prepare for replacement/rehabilitation.

* 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**

| | | | |
|---|---|---|---|
| Department: | Assessment and Taxation | Service: | Roadway Construction and Maintenance |
| Project: | 1420000114 | OurWinnipeg: | Vitality |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 15,000 | 18,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 600 | 600 | 600 | 600 | 600 | 600 | 3,000 | 3,600 |
| External Debt | | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 12,000 | 14,400 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | - | 18,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 600 | 600 | 600 | 600 | 600 | 600 | | 3,600 |
| External Debt | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | | 14,400 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | 151 | 260 | 260 |
| Transfer to General Capital Fund | 600 | 600 | 600 |
| **Total Direct Costs** | 751 | 860 | 860 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 751 | 860 | 860 |

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.

Project Name: **Study for City-Wide Project Management IT Solution**

Department: Corporate Finance
Project: 1200001615
Service: Organizational Support Services
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 300 | - | - | - | - | - | - | 300 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 300 | | | | | | - | 300 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | - | - | - | - | - | - | 300 |
| Financed by: | | | | | | | | |
| Cash to Capital | 300 | | | | | | | 300 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External Debt and finance charges | | | |
| Transfer to General Capital Fund | 300 | | |
| **Total Direct Costs** | 300 | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 300 | - | - |

Class Estimate: 3

The City has developed a Project Management manual per the requirements in the Capital Project Audit recommendation. As part of the continual development of the City's project management system to ensure consistency for how projects are delivered, there is a need for an Information Technology (IT) tool/solution to support project managers to deliver projects and provide senior management visibility of a project's status.

The IT solution will allow project data such as actual and forecast financial, schedule and scope data to be entered by the project manager and performance-dashboard reports to be viewed vertically and horizontally within the organization. The IT solution will also incorporate the software requirements identified in the Waverley West Arterial Roads Project Audit.

This project is a study to determine the requirements for a city-wide project management IT solution. The $300,000 will allow the City to refine the Business Case for the IT solution to a class 3 cost estimate and determine how best to proceed. If the business case supports implementation of an IT solution, the Public Service will return to Council with an additional request to provide the purchase and implementation funding.

Project Name: **Innovative Transit Program**

Department: Transit
Project: 4230030114

Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 800 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,000 | 5,800 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 800 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,000 | 5,800 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | - | 5,800 |
| Financed by: | | | | | | | | |
| Cash to Capital | 800 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | | 5,800 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 99 | 222 |
| **Total Direct Costs** | - | 99 | 222 |
| Less: Incremental Revenue/Recovery | 24 | 29 | 29 |
| **Net Cost/(Benefit)** | (24) | 70 | 193 |

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

The Innovative Transit Program provides for bus stop and technology upgrades which are not normally funded through the operating budget or other areas of the capital budget. This will include improvements to transit terminals at shopping centres and passenger shelters, improved waiting amenities at major bus stops, and allow for handi-transit payment by account system and automated transit scheduling system, all of which will provide an enduring benefit to the department and the public.

* 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**

Department: Transit
Project: 4210000314
Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 47,733 | 9,869 | 4,500 | 4,573 | 4,506 | 6,536 | 6,536 | 26,651 | 36,520 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 4,934 | 4,500 | 4,573 | 4,506 | 6,536 | 6,536 | 26,651 | 31,585 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | | 4,935 | | | | | | | 4,935 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 8,592 | 5,777 | 4,573 | 4,506 | 6,536 | 6,536 | - | 36,520 |
| Financed by: | | | | | | | | |
| Cash to Capital | 3,657 | 5,777 | 4,573 | 4,506 | 6,536 | 6,536 | | 31,585 |
| Manitoba Winnipeg Infrastructure Agreement (MWIA) | 4,935 | | | | | | | 4,935 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 789 | 1,172 |
| **Total Direct Costs** | - | 789 | 1,172 |
| Less: Incremental Revenue/Recovery | 173 | 216 | 191 |
| **Net Cost/(Benefit)** | (173) | 573 | 981 |

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

Transit's operations are housed out of two primary facilities, the Fort Rouge complex and the North Main garage. These facilities are approximately 40 and 80 years old respectively and are operating at close to their effective capacities. A study of the Transit's facility requirements completed in 2009 indicates that these existing facilities will not support the fleet and operations necessary to meet increasing service demands in the near and long term. 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 significant capital funding is required to bring the facilities up to acceptable standards.

This multi-year capital project will address both the issues of refurbishing and/or replacing the existing facilities to address age and condition issues and adding and/or expanding facilities to meet space requirements in the near and long term. In addition to garage facilities, this may include consolidation of off-site operational groups to the campus through the renovation of existing space or the construction and/or procurement of new areas.

On December 17, 2013 Council approved a first charge of up to $9,869,000 in 2014 or prior to the adoption of the 2015 Capital Budget to facilitate timely work on the Transit Building Replacement/Refurbishment Project.

***Transit Building Replacement / Refurbishment (continued):***

Included in the project budget are the following expected major work components:

- Replacement/Refurbishment of North Garage
- Roof Replacement at Fort Rouge Garage
- Ventilation System Upgrades at Fort Rouge Garage
- Paint Booth Upgrades at Fort Rouge Garage
- Fort Rouge Maintenance Garage Expansion

As the project budget for Replacement/Refurbishment of North Garage will exceed the $10 million limit designated for a major capital project, the department will bring forward, before procurement begins, a separate capital project report to Council for approval upon completion of the functional design when the project budget and scope is determined.

Estimated useful life - dependent on the specific project.

Note: Any surplus funds will automatically be transferred to the following year's Transit Building Replacement/Refurbishment program budget.

Project Name: **Transit Buses**

Department: Transit
Project: 4210000214

Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 16,767 | 27,297 | 23,252 | 24,889 | 32,420 | 28,282 | 136,140 | 152,907 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 4,329 | 4,312 | 5,317 | 8,637 | 8,480 | 31,075 | 31,075 |
| Transit Bus Replacement Reserve | | 5,660 | 7,858 | 8,994 | 9,335 | 9,346 | 9,565 | 45,098 | 50,758 |
| Provincial Building Manitoba Fund | | 3,840 | 3,840 | 3,840 | 3,840 | 8,040 | 3,840 | 23,400 | 27,240 |
| External Debt | | | 5,164 | | | | | 5,164 | 5,164 |
| Federal Gas Tax | | 5,816 | 6,106 | 6,106 | 6,397 | 6,397 | 6,397 | 31,403 | 37,219 |
| Retained Earnings | | 1,451 | | | | | | | 1,451 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 16,767 | 27,297 | 23,252 | 24,889 | 32,420 | 28,282 | - | 152,907 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 4,329 | 4,312 | 5,317 | 8,637 | 8,480 | | 31,075 |
| Transit Bus Replacement Reserve | 5,660 | 7,858 | 8,994 | 9,335 | 9,346 | 9,565 | | 50,758 |
| Provincial Building Manitoba Fund | 3,840 | 3,840 | 3,840 | 3,840 | 8,040 | 3,840 | | 27,240 |
| External debt | | 5,164 | | | | | | 5,164 |
| Federal Gas Tax | 5,816 | 6,106 | 6,106 | 6,397 | 6,397 | 6,397 | | 37,219 |
| Retained Earnings | 1,451 | | | | | | | 1,451 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | 163 | 490 |
| Transfer to General Capital Fund | | | 362 |
| **Total Direct Costs** | - | 163 | 852 |
| Less: Incremental Revenue/Recovery | 252 | 360 | 383 |
| **Net Cost/(Benefit)** | (252) | (197) | 469 |

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

This project is for the on-going purchase of new low-floor urban transit buses and all out-fitting costs associated with these purchases and for the replacement of buses that have reached the end of their useful life. As these buses will be purchased under a new bid opportunity for transit buses, the price per bus is not certain.

2019 budget estimate includes provision for 12 additional buses estimated to be required for operation on the Southwest Transitway upon completion of Stage 2. Funding for this procurement of buses would be shared 50/50 between the Province and the City.

Estimated useful life - 18 years.

Note: Any surplus funds will automatically be transferred to the following year's Transit Buses program budget.

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

Project Name: **Southwest Transitway (Stage 2) and Pembina Highway Underpass**

Department: Transit
Project: 4230010514
Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets* | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 590,000 | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Southwest Rapid Transit Stage 2 Reserve | 4,200 | | | | | | | - | - |
| P3 Canada | 140,000 | | | | | | | - | - |
| Provincial Grant | 218,650 | | | | | | | - | - |
| 2010 Provincial Grant for Roads** | 6,350 | | | | | | | - | - |
| Public Private Partnership (City)*** | 220,800 | | | | | | | - | - |
| Southwest Transitway (Stage 2) and Pembina Highway Underpass Payment Reserve | | | | | | | 22,050 | 22,050 | 22,050 |
| P3 Annual Service / Financing Payments (Province)**** | | | | | | | (2,300) | (2,300) | (2,300) |
| P3 Annual Service / Financing Payments (City)**** | | | | | | | (19,750) | (19,750) | (19,750) |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | |
| Southwest Transitway (Stage 2) and Pembina Highway Underpass Payment Reserve (Note 1) | | | | | | 22,050 | 697,500 | 719,550 |
| P3 Annual Service / Financing Payments (Province)**** | | | | | | (2,300) | (90,950) | (93,250) |
| P3 Annual Service / Financing Payments (City)**** | | | | | | (19,750) | (606,550) | (626,300) |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

* Previous budgets reflect 2014 approval of the capital project.

2014 Capital Project was approved by Council on June 25, 2014.

Note 1: The source of funding for these amounts have been proposed in Appendix 7 of the 2015 Capital Budget. A budget recommendation has been included to adopt this proposal.

On February 9th, 2015, PPP Canada announced its funding contribution of $137.3 million.

***Southwest Transitway (Stage 2) and Pembina Highway Underpass (continued):***

This project is combining two projects and having them procured as a single P3 project arrangement. The Southwest Transitway (Stage 2) will increase the length of the Transitway by an additional 7.6 km. -- Jubilee Avenue south to the University of Manitoba. It will serve various residential, commercial, industrial, recreational and educational centres in southwest Winnipeg. The project will include the construction of several grade separations, multiple Transitway stations, and an extension to the existing active transportation path built as part of the Stage 1 Transitway project. Combined with the construction of the Transitway extension is the widening of Pembina Highway Underpass by one northbound lane, rehabilitation of the underpass and also include active transportation components.

Upon completion of Stage 2, rapid transit service will operate the full length of the 11.2 km. corridor between downtown and all destinations in the southwest part of the city, including the University of Manitoba and the new Stadium. The completion of the corridor will provide significant opportunities for transit-oriented development in lands adjacent to the rapid transit stations.

The urban travel demand in southwest Winnipeg is expected to substantially increase as approved and new developments are built in southwest Winnipeg. As specified in the adopted Transportation Master Plan, rapid transit is required in this sector of the city to enable the overall urban transportation system to accommodate the growth in travel. This project will significantly improve the competitiveness of public transit by allowing transit vehicles to bypass traffic congestion in the Pembina Highway corridor, improving the speed, reliability and comfort of the many transit routes that serve southwest Winnipeg.

**Approximate Overall Project Funding**

| | | |
|---|---|---|
| City | 225,000 | 38% |
| Province | 225,000 | 38% |
| Federal | 140,000 | 24% |
| | 590,000 | |

***Budget includes the following assumptions/provisions:***

- 4 year project construction period, early 2016 to end of 2019.

- Upfront costs includes land, procurement costs, City contract administration (temporary staff), external advisors and engineers, etc.

- Up to $31 million of external borrowing authority has been requested to interim finance upfront costs as required until other committed funding is received. Any funds raised in the Southwest Transitway (Stage 2) and Pembina Highway Underpass Payment Reserve will be used toward interim financing before borrowing.

- Province will agree to include upfront costs as eligible project costs.

** The 2010 Provincial Grant for Roads was previously allocated to the Pembina Highway Underpass project.

*** P3 Cost paid for by City (100%) over 30 years.

**** P3 Annual Service / Financing Payment is comprised of both P3 Construction Cost repayment and maintenance costs both over 30 years. Transit related maintenance costs are paid for by City 50% and Province 50%.

- Previous Budgets for related projects not reflected above include: $1.3 million from the Pembina Highway Underpass project, $1 million from P3 Consulting and Project Development, and a portion of $4.2 million approved for Rapid Transit Planning and Design.

- As this is a Utility and Other project, it will not impact the tax supported Public Private Partnership Payments calculation.

- Increased operating costs related to bus operations would not commence until 2020 and are not presented. These costs would follow the Transit Funding Agreement with the Province of Manitoba for 50/50 cost sharing.

- The project budget does not include amounts for Transit Bus purchases. Transit Bus purchases related to Stage 2 of the Southwest Transitway have been budgeted in 2019 within the Transit Buses capital project.

Project Name: **Rapid Transit Planning and Design**

Department: Transit
Project: 4230010514
Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,200 | - | 2,500 | - | - | - | - | 2,500 | 2,500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 2,500 | | | | | 2,500 | 2,500 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 2,500 | - | - | - | - | - | 2,500 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 2,500 | | | | | | 2,500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | 308 |
| **Total Direct Costs** | - | - | 308 |
| Less: Incremental Revenue/Recovery | | 73 | |
| **Net Cost/(Benefit)** | - | (73) | 308 |

Class Estimate: 4

The completion of the Southwest Transitway capital project has been approved and will be complete in 2019 with operations commencing in 2020. The Transportation Master Plan recommends the construction of additional Rapid Transit facilities in the city. This project would provide for the planning, design and preparation of the future corridors and other associated works.

Potential project elements may include the functional design work for the Eastern Transit Corridor or other future rapid transit corridors and other associated works. Work could include preparation of capital cost estimates, secondary plan for affected neighborhoods, geotechnical studies of affected riverbank areas, environmental impact study, general transportation study, sewer/water servicing study, and public consultation.

A recommendation to Council to authorize expenditures of up to $2.5 million for Rapid Transit Planning and Design in 2015 or prior to the adoption of the 2016 Capital Budget as a first charge against the General Capital Fund is required to facilitate timely work on the Rapid Transit Planning and Design capital project.

Estimated useful life is dependant on the assets constructed out of the design work.

Project Name: **Flood Pumping Station Rehabilitation**

Department: Water and Waste
Project: 20765001yy

Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 1,500 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,000 | 6,500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,500 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,000 | 6,500 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | - | 6,500 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,500 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | | 6,500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,500 | 1,000 | 1,000 |
| **Total Direct Costs** | 1,500 | 1,000 | 1,000 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,500 | 1,000 | 1,000 |

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

A 2007 report on the adequacy and operation of the 34 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. Funding for this project also includes an annual program for carrying out major repairs, upgrades and/or improvements to the flood pumping stations and associated outfall pipes and gates. Upgrades and/or improvements include changes to: ventilation, electrical, mechanical, structural, and architectural components. A program to address high priority reliability items has been developed for implementation over the next six years. All stations will be upgraded for remote monitoring which is critical during flood and rainfall events.

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 and Combined Sewers Outfall Gate Structures**

Department: Water and Waste
Project: 20785002yy
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 1,300 | 2,400 | 2,400 | 2,000 | - | - | 6,800 | 8,100 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,300 | 2,400 | 2,400 | 2,000 | | | 6,800 | 8,100 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,300 | 2,400 | 2,400 | 2,000 | - | - | - | 8,100 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,300 | 2,400 | 2,400 | 2,000 | | | | 8,100 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,300 | 2,400 | 2,400 |
| **Total Direct Costs** | 1,300 | 2,400 | 2,400 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,300 | 2,400 | 2,400 |

Class Estimate: 5

This is a project to install flap gates and positive sliding (sluice) gates within concrete gate structures on outfall sewers where these facilities do not currently exist or the existing facilities are inadequate or substandard. Under high river level (flood) conditions, the river water backs up into the land drainage and combined sewer systems. In some low lying areas there is a potential for river water to inundate roadways and adjacent properties. The presence of river water in the sewer also greatly reduces the capacity of the system during a rainfall or snow melt event. Subsequent to the 1997 flood event, 70 outfall locations were identified as requiring gates.

In preparation for the 2011 flood, it was noted that the City was vulnerable from three large ungated outfalls, namely Minnetonka, Rivergate and Woodhaven. Minnetonka was completed in 2012, Rivergate in 2013 and the City is working on the Woodhaven gate chamber. Once completed the City will have upgraded gate chamber protection up to James 24.5 ft.

Attention will now focus on upgrades to the City's storm relief sewers (SRS) that were installed to provide additional storm capacity in combined sewer districts to deal with summer rainstorms. The older SRS systems are only isolated from the river with sluice gates. An engineering study will be undertaken to develop conceptual design and cost estimates for adding flap gates and permanent pumping as required to seven identified sites. Study in progress is to update project to a class 3 cost estimate prior to construction.

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: **Seine River Waterway Acquisition**

Department: Water and Waste
Project: 20800001yy
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 150 | 150 | 150 | 150 | 150 | 150 | 750 | 900 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 150 | 150 | 150 | 150 | 150 | 750 | 750 |
| Transfer from Prior Year Authorization (2012 Seine River Waterway Acquisition) | | 150 | | | | | | | 150 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | 150 | 150 | 150 | 150 | 150 | - | 900 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 150 | 150 | 150 | 150 | 150 | | 750 |
| Transfer from Prior Year Authorization (2012 Seine River Waterway Acquisition) | 150 | | | | | | | 150 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 150 | 150 |
| **Total Direct Costs** | - | 150 | 150 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 150 | 150 |

Class Estimate: 3

The purchase of Seine River Waterway lands is a Council adopted policy to provide long-term economical regional drainage and to manage the floodplain. The floodplain lands were originally delineated in 1980 and are required to accommodate flow along the Seine River from a 100-year summer storm. They are typically purchased at the time of subdivision, made possible from funds collected through the Seine River Waterway Charge applied to all subdivision and rezoning applications within the Seine River watershed within City limits. Development of lands adjacent to the Seine River will occur faster than the development of lands further from the Seine River. Therefore, the funding required to purchase floodplain lands will exceed the funding collected from the Waterway Charge.

Funding in 2015 includes re-budgeted amounts from previously approved Capital Budgets.

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

Project Name: **Flood Manual Upgrades**

Department: Water and Waste
Project: 20700012yy

Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,988 | 300 | - | - | - | - | - | - | 300 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 300 | | | | | | - | 300 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | - | - | - | - | - | - | 300 |
| Financed by: | | | | | | | | |
| Cash to Capital | 300 | | | | | | | 300 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 300 | | |
| **Total Direct Costs** | 300 | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 300 | - | - |

Class Estimate: 3

The City of Winnipeg's Geographic Information System based Flood Manual was developed in the 2000 to 2003 time frame and has proven invaluable in fighting a number of floods since then. The upper bound of the Flood Manual calculations is a water level comparable to 1997 flood or 24.5 ft. James Avenue. Based on the current Floodway Operating Rules, levels in the City could exceed 24.5 ft. James Avenue for floods slightly larger than a one in 100 year flood. Initial planning for the 2011 flood indicated that there was a potential to exceed the upper bounds of the Flood Manual. Preliminary analysis indicates that the Flood Manual should be extended to calculate flood activities up to 27.0 ft. James Avenue. The City will consult with Manitoba Infrastructure and Transportation (MIT) on an appropriate upper bound.

The second aspect of this work is to upgrade the Flood Manual software and interfaces that are 10 years old to current City of Winnipeg Information Systems and Technology standards. For example, the Flood Manuals interface software uses Visual Basic 6 (VB6) which is no longer supported by Microsoft.

The upgrade will take two years to complete.

Project Name: **Development Agreement Paybacks**

Department: Water and Waste
Project: 20770001yy

Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 500 | 500 | 500 | 500 | - | - | 1,500 | 2,000 |
| Financed by: | | | | | | | | | |
| Developer Capacity Charges | | 500 | 500 | 500 | 500 | | | 1,500 | 2,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 500 | 500 | 500 | - | - | - | 2,000 |
| Financed by: | | | | | | | | |
| Developer Capacity Charges | 500 | 500 | 500 | 500 | | | | 2,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 land drainage services at a time when City capital funding is not provided. The policy guideline for bridge financing was defined in the previous version of the Development Agreement Parameters and was again incorporated in the most recent version of the Parameters which was adopted by Council on June 21, 1989.

Funds budgeted will provide the following paybacks:

| | |
|---|---|
| 2015 DASZ 10/13 - Genstar/Prairie Crossing | $500,000 |
| 2016 DASZ 15/13 - Waterside/Transcona West | $500,000 |
| 2017 - Ridgewood | $500,000 |
| 2018 DASZ 56/85 - Inksbrook Industrial Park | $500,000 |

The expected life of this asset is over 50 years.

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

Project Name: **Outfall Rehabilitation**

Department: Water and Waste
Project: 20780001yy

Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 1,200 | 1,508 | 2,000 | 2,000 | 3,500 | 3,500 | 12,508 | 13,708 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,200 | 1,508 | 2,000 | 2,000 | 3,500 | 3,500 | 12,508 | 13,708 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,200 | 1,508 | 2,000 | 2,000 | 3,500 | 3,500 | - | 13,708 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,200 | 1,508 | 2,000 | 2,000 | 3,500 | 3,500 | | 13,708 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,200 | 1,508 | 2,000 |
| **Total Direct Costs** | 1,200 | 1,508 | 2,000 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,200 | 1,508 | 2,000 |

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

Funding is for rehabilitation of sewer outfalls, repair to piping, and correction of riverbank instability. A condition assessment was completed in 1998 and 350 sites were classified from a scale of 1 to 5 with 5 being the worst site and a high priority for repair and replacement. Originally 55 high-priority sites were identified requiring attention. Since then, five more sites have been added for a total of 60 sites. There are currently 28 priority sites remaining.

The work program for 2015 is to undertake a new outfall condition assessment to re-assess Winnipeg's 350 outfall sites given the substantive bank movement and slumping that has occurred in the last 20+ years of high-water events.

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: **Ravelston Deep Pond Landscaping**

Department: Water and Waste
Project: 2070002515
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 370 | - | - | - | - | - | - | 370 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 370 | | | | | | - | 370 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 370 | - | - | - | - | - | - | 370 |
| Financed by: | | | | | | | | |
| Cash to Capital | 370 | | | | | | | 370 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 370 | | |
| **Total Direct Costs** | 370 | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 370 | - | - |

Class Estimate: 3

On July 17, 2013 Council approved the subdivision and rezoning of the south east corner of Ravelston Avenue West and Peguis Street (Transcona Ward) - DASZ 10/2013. As per the development agreement (DASZ 10/2013) the Water and Waste Department shall submit new plans for new fencing and new landscaping around the deep pond to the East Kildonan - Transcona Community Committee.

The Water and Waste Department is responsible for new landscaping and fencing around the deep pond. The work will include an architectural site plan, landscaping with natural prairie grasses, and new fencing. Temporary fencing will be installed in the interim until the new perimeter fencing is constructed.



Project Name: **Oversized Land Drainage Pipe to Service Future Almey Avenue**

Department: Water and Waste
Project: 2070002615
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 275 | - | - | - | - | - | - | 275 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 275 | | | | | | - | 275 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 275 | - | - | - | - | - | - | 275 |
| Financed by: | | | | | | | | |
| Cash to Capital | 275 | | | | | | | 275 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 275 | | |
| **Total Direct Costs** | 275 | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 275 | - | - |

Class Estimate: 1

This funding is to pay back the developer for the oversizing the land drainage sewer which will be required to service the future improvements along Almey Avenue.

The adjacent area of Almey Avenue is currently being developed (started 2014) with a new land drainage system and four storm water retention basins. The existing development along Almey Avenue is serviced by ditch drainage that drains west. While the new development will be picking up runoff from the areas to be developed, there were no plans to pick up the existing ditch drainage on Almey Avenue. With the proposed land drainage system (which is currently being developed for the adjacent area), an opportunity exists for the City to pay for oversizing of a section of the new land drainage system that would service the potential future improvements on Almey Avenue; that is conversion of a ditch system to a piped system. Doing the work now provides significant cost saving to the City as:

- It is significantly less expensive to pay for the incremental oversizing cost of a pipe that is already being installed than to pay for a separate pipe and,
- The Devonshire Village Project (a part of the entire project mentioned above) is a very large project. This pipe is a small component of that project and thus it is much less expensive than it would have been if it were in a separate contract.

Project Name: **Shoal Lake Aqueduct and Falcon River Diversion Bridges**

Department: Water and Waste
Project: 2001002713

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,000 | 2,000 | - | - | - | - | - | - | 2,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 2,000 | | | | | | - | 2,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,000 | - | - | - | - | - | - | 2,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 2,000 | | | | | | | 2,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

In 1989, the Province and the City entered into the Shoal Lake Tripartite Agreement with Shoal Lake First Nation #40. The intent of the agreement is to protect and maintain the high quality of Winnipeg's drinking water source while at the same time promoting sustainable economic development for Shoal Lake First Nation #40.

Key to the economic development in the community is the basic requirement of all-weather road access. Currently, seasonal ice conditions limit safe passage for people and limit delivery of essential goods and services. Limited access also increases the costs to provide basic infrastructure and, as a result, the community does not have adequate drinking water or liquid/solid waste management systems.

Plans are underway for development of an all-weather road to the community. The road will cross the Shoal Lake Aqueduct and the Falcon River diversion channel, which are critical components of the City of Winnipeg water supply system. Bridges over the City's aqueduct and the diversion channel will be required as part of this road project and are essential to protect these critical water supply assets from traffic loading.

Estimated life of these assets is 25 years.

Project Name: **Shoal Lake Aqueduct Asset Preservation**

Department: Water and Waste
Project: 20030006yy

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,967 | 1,900 | 1,900 | 1,500 | - | - | - | 3,400 | 5,300 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,900 | 1,900 | 1,500 | | | | 3,400 | 5,300 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 420 | 3,080 | 1,800 | - | - | - | - | 5,300 |
| Financed by: | | | | | | | | |
| Retained Earnings | 420 | 3,080 | 1,800 | | | | | 5,300 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

The Shoal Lake Aqueduct, which has been in continuous service since 1919, delivers water to Winnipeg from Shoal Lake, a distance of 156 kilometres (97 miles). A comprehensive condition and rehabilitation of the Aqueduct commenced in 1988 and was substantially completed in 2004. While the Aqueduct rehabilitation project has resulted in an increase of the Aqueduct's service life by 50 years, on-going monitoring and inspection programs will identify future work required.

Work which has been identified include the rehabilitation of drainage siphons crossing under the Aqueduct, replacement or rehabilitation of boathouses and broken Aqueduct vent pipes, re-establishment of a boathouse in proximity of the Whitemouth River and cleaning, condition inspection and repair of the Aqueduct underdrain system.

The expected life of this asset is 50 years.

Funding in 2015 includes re-budgeted amounts from previously approved Capital Budgets.

Project Name: **Shoal Lake Aqueduct Intake Facility Rehabilitation**

Department: Water and Waste
Project: 20120002yy

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,568 | 3,109 | 3,881 | 400 | 1,900 | - | 775 | 6,956 | 10,065 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 3,109 | 3,881 | 400 | 1,900 | | 775 | 6,956 | 10,065 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,834 | 4,634 | 922 | 1,900 | - | 775 | - | 10,065 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,834 | 4,634 | 922 | 1,900 | | 775 | | 10,065 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | (55) |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | (55) |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | (55) |

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

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 performed 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, the replacement of the Maintenance/Communication Facility, as well as upgrades and improvements to the existing infrastructures. The recommended improvements will be completed in phases according to priority.

The expected life of this asset is 50 years.

Funding in 2015 includes re-budgeted amounts from previously approved Capital Budgets.

Project Name: **Branch Aqueduct Condition Assessment and Rehabilitation**

Department: Water and Waste
Project: 2003000515
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | 500 | - | - | - | - | 1,000 | 1,000 | 1,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 500 | | | | | 1,000 | 1,000 | 1,500 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | - | - | - | - | 1,000 | - | 1,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 500 | | | | | 1,000 | | 1,500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 5

The Branch I, II and interconnection aqueducts are specialized pipes which are unique in size, materials, construction techniques and failure.

The Branch I Aqueduct was installed in 1918 and has an established inspection and maintenance program, however, the Branch II and interconnection aqueducts were installed between 1959 and 1963 and will require specialized inspection, testing, and maintenance to preserve the asset.

Class estimate is related to the proposed use of new technology for condition assessment in Winnipeg. Cost estimate will be refined prior to any inspection or construction work.

The expected life of this asset is 50 years.

Project Name: **GWWD Railway Bridge Rehabilitation**

Department: Water and Waste
Project: 2006000314
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,700 | 1,400 | - | - | - | - | - | - | 1,400 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,400 | | | | | | - | 1,400 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,400 | - | - | - | - | - | - | 1,400 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,400 | | | | | | | 1,400 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

This project involves the replacement of the timber bridges at Mile 77.6 (East Braintree) and Mile 22.1 (Cook's Creek) with new structures and abutment repairs for the bridge at Mile 41 (Brokenhead River).

The Greater Winnipeg Water District Railway (GWWD) line, which parallels the main aqueduct from Winnipeg to Shoal Lake, provides for maintenance of the aqueduct along its entire length and delivery of vital goods and services to Shoal Lake required to protect the quality and safety of the City's water supply.

The expected life of this asset is 50 years.

Project Name: **Deacon Site Flood Protection**

Department: Water and Waste
Project: 2002500514
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | 1,825 | - | - | - | - | - | - | 1,825 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,825 | | | | | | - | 1,825 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 325 | 1,500 | - | - | - | - | - | 1,825 |
| Financed by: | | | | | | | | |
| Retained Earnings | 325 | 1,500 | | | | | | 1,825 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

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.

The expected life of this asset is over 50 years.

Project Name: **Tache Booster Pumping Station**

Department: Water and Waste
Project: 2005000615
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,000 | - | - | - | 2,600 | - | - | 2,600 | 2,600 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | 2,600 | | | 2,600 | 2,600 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 2,600 | - | - | - | 2,600 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | 2,600 | | | | 2,600 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 4

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 replacing the pump motors, upgrading the station electrical, heating and ventilation systems, upgrading the foundation and roof structures, and a reconfiguration of the valve and piping between the pumping station and the surge tower. Also, aesthetic, security fencing and landscaping upgrades to the site and facilities will be undertaken to coincide and assimilate with the proposed residential redevelopment of the surrounding area.

The expected life of this rehabilitation asset is 50 years.

Funding in 2018 includes re-budgeted amounts from previously approved Capital Budgets.

Project Name: **Pumping Stations Reliability Upgrades**

Department: Water and Waste
Project: 20050003yy

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,150 | 2,050 | 650 | - | - | - | - | 650 | 2,700 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 2,050 | 650 | | | | | 650 | 2,700 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 676 | 1,154 | 296 | 432 | 142 | - | - | 2,700 |
| Financed by: | | | | | | | | |
| Retained Earnings | 676 | 1,154 | 296 | 432 | 142 | | | 2,700 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

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 expected life of this asset is 20 years.

Funding in 2015 includes re-budgeted amounts from previously approved Capital Budgets.

Project Name: **Pumping Stations and Reservoirs Structural Upgrades**

Department: Water and Waste
Project: 20050012yy

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,020 | 5,225 | 7,300 | - | 400 | - | - | 7,700 | 12,925 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 5,225 | 7,300 | | 400 | | | 7,700 | 12,925 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,225 | 7,300 | - | 400 | - | - | - | 12,925 |
| Financed by: | | | | | | | | |
| Retained Earnings | 5,225 | 7,300 | | 400 | | | | 12,925 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

The McPhillips, Wilkes and MacLean reservoirs provide balancing storage to meet fluctuating daily water demands and the McPhillips, Hurst, and MacLean pumping stations provide the final pumping to deliver water to the Water Utility customers. The pump stations and reservoirs were constructed in the early 1960's. It is anticipated that the building structures will require upgrading to ensure the uninterrupted operation of these pumping facilities. A preliminary assessment of the north cell at the Wilkes Reservoir found that major rehabilitation was required to ensure continued reliable operation.

The expected life of these assets is 50 years.

Project Name: **Chlorination Upgrading at Pumping Stations**

Department: Water and Waste
Project: 20050011yy

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 425 | 2,750 | - | - | - | - | 2,750 | 3,175 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 425 | 2,750 | | | | | 2,750 | 3,175 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 275 | 1,200 | 1,700 | - | - | - | - | 3,175 |
| Financed by: | | | | | | | | |
| Retained Earnings | 275 | 1,200 | 1,700 | | | | | 3,175 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | 10 | 100 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | 10 | 100 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 10 | 100 |

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 is based upon the use of gas chlorine which is a hazardous chemical. To reduce the risk to the City, staff, public and the environment, bulk sodium hypochlorite systems will be designed and installed at the pumping stations to replace the gas chlorine systems.

Detailed design in 2015 will provide a class 3 cost estimate prior to construction in 2016.

The expected life of these assets is 25 years.

Project Name: **Water Supervisory Control and Data Acquisition (SCADA) Upgrade**

Department: Water and Waste
Project: 20050002yy

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | 7,600 | 3,900 | - | - | - | - | 3,900 | 11,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 7,600 | 3,900 | | | | | 3,900 | 11,500 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,980 | 4,249 | 1,344 | 2,131 | 796 | - | - | 11,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 2,980 | 4,249 | 1,344 | 2,131 | 796 | | | 11,500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 4

The Supervisory Control and Data Acquisition (SCADA) system controls and monitors the operation of the Drinking Water Treatment Plant and the Water Supply and Distribution System. The automated control system is comprised of specialized computer hardware and software, remote communications, instrumentation, and Programmable Logic Controls (PLC). SCADA system assessment and upgrading are required to ensure timely replacement of dated hardware and software. The SCADA system is essential for the supply, water treatment process control and distribution of drinking water.

The PLCs currently in use at the three pumping stations (McPhillips, MacLean, and Hurst), Tache and Deacon Booster Pumping Stations, and Shoal Lake Intake were installed in 1992 and are no longer serviced or supported by the manufacturer as of December 31, 2011. Upgrading the water supply system's PLCs at this time will allow for the review of the control software to optimize the operation of the system.

Concurrent with the PLC replacement, the controller logic language will be updated along with additional electrical upgrades to enhance operational reliability.

The expected service life of the PLC is 10 years but will depend on the technical advancement in the process automation field.

The system of computer servers, workstations, and software of regional SCADA was last upgraded in 2006 and is approaching the end of its useful life. Operating system support for this hardware is slated to end as of July 2015 and hardware age has exceeded the current industry standard for replacement, with increasing risks to system reliability. To achieve system sustainability and ensure continuous operation of the system, replacement of server and workstation hardware and installation of software with longer support lifespan including compatibility with new hardware is required.

Preliminary design in progress to update project to a class 3 cost estimate prior to construction.

The expected service life for the hardware is approximately five years for optimal regional SCADA system reliability.

Funding in 2016 includes re-budgeted amounts from previously approved Capital Budgets.

Project Name: **Waterworks System Security Upgrades**

Department: Water and Waste
Project: 20010015yy

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 800 | 600 | 500 | - | - | - | 1,100 | 1,900 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 800 | 600 | 500 | | | | 1,100 | 1,900 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | 600 | 500 | - | - | - | - | 1,900 |
| Financed by: | | | | | | | | |
| Retained Earnings | 800 | 600 | 500 | | | | | 1,900 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

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.

* 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**

Department: Water and Waste
Project: 2001000715
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 450 | - | - | - | - | 450 | 450 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 450 | | | | | 450 | 450 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 450 | - | - | - | - | - | 450 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 450 | | | | | | 450 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

A drinking water system Infrastructure Assessment study 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 the regulations in force.

Infrastructure assessment reports are required on a five-year reporting frequency.

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

Project Name: **Water Treatment Research and Process Optimization Facility**

Department: Water and Waste
Project: 2002500614
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,880 | 730 | - | - | - | - | - | - | 730 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 730 | | | | | | - | 730 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | 330 | - | - | - | - | - | 730 |
| Financed by: | | | | | | | | |
| Retained Earnings | 400 | 330 | | | | | | 730 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 50 | - | - |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 50 | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 50 | - | - |

Class Estimate: 3

The water treatment research and process optimization facility will be constructed to facilitate ongoing water treatment research and optimization of the existing water treatment process. This will be a small scale model replicating the water treatment process.

In 2013, a relatively high number of discoloured water events occurred in the water distribution system. The Discoloured Water Investigation Study (CH2M Hill, 2013) revealed high levels of manganese in the discoloured water samples and identified ferric chloride, the chemical used for coagulation, as the primary source of manganese. The report recommended that pilot scale testing of an alternate coagulant be performed. Work to be undertaken includes an engineering assignment to pilot the feasibility of switching to an alternative coagulant.

The expected life of this asset is 25 years.

Project Name: **Water Conservation and Efficiency Study**

Department: Water and Waste
Project: 2001002815
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 230 | - | - | - | - | - | - | 230 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 230 | | | | | | - | 230 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 230 | - | - | - | - | - | - | 230 |
| Financed by: | | | | | | | | |
| Retained Earnings | 230 | | | | | | | 230 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

The City of Winnipeg's Water Conservation Program was launched in 1992 after a Comprehensive Water Supply Study in 1990 predicted that overall water demand would exceed the Shoal Lake Aqueduct capacity in 2011. The main goal of the water conservation program was to maintain water demand within the aqueduct capacity. Water demand projections were updated on a regular basis in the 1990's and indicated the water conservation program activities were successful. The program was scaled back in 1998 as water demand was well within aqueduct capacity.

In 2009, the water conservation program introduced the Residential Toilet Replacement Credit Program. In 2011, City Council adopted OurWinnipeg - Sustainable Water and Waste Directional Strategy, a 25-year planning vision (until 2035) for the City of Winnipeg. In this strategy, the City of Winnipeg would continue with the successful water conservation program. Also in 2011, the City updated its water supply study to 2035.

A Water Conservation and Efficiency Study is a critical component to the City's water and wastewater infrastructure. This study would identify potential policies, programs and resource requirements to align with the major planning documents OurWinnipeg - Sustainable Water and Waste Directional Strategy and the updated Water Supply Study.

Project Name: **Watershed and Asset Protection Considerations**

Department: Water and Waste
Project: 2001003015
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,000 | | | | | | - | 1,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | 200 | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 800 | 200 | | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 5

This funding is part of the due diligence related to the Energy East Pipeline Ltd. proposal to construct and operate a pipeline system to transport crude oil from Alberta and Saskatchewan to refineries in eastern Canada, including:

- understanding the proposed pipeline design, potential impacts and risks,
- exploring all available options/alternatives, and
- actively protecting public health, the City of Winnipeg's critical assets (e.g., Brady Road Resource Management Facility, the Shoal Lake Aqueduct) and the Shoal Lake watershed.

On December 10, 2014 Council authorized expenditure of up to $1,000,000 prior to the adoption of the 2015 Capital Budget as a first charge against the 2015 Capital Budget in order to procure a contract for the Watershed and Asset Protection Considerations project.

Class estimate is due to uncertainty of what will be required to review this proposal.

Project Name: **Water Treatment Plant Capacity Validation**

Department: Water and Waste
Project: 2002500718
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 150 | - | - | 150 | 150 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | 150 | | | 150 | 150 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 150 | - | - | - | 150 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | 150 | | | | 150 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 5

The City's first Water Treatment Plant (WTP) began to supply treated water to the City late in 2009. The WTP was designed for cold and warm water production rates of 272 and 400 Megalitres per day (MLD), respectively. The maximum capacity of the WTP for both cold and warm water conditions must be validated over the next 5 to 10 years in order to identify the timing of capacity limitations and to plan for future upgrades. The risk is that the City may be unprepared for operating at or near maximum treatment capacity as water demand increases from population growth.

The City's Pilot Scale Water Treatment Plant can be used to validate maximum process rates under a range of operating and water temperature conditions. This project is to retain an engineering consultant to coordinate and document the work of an engineering study, develop testing protocols, etc. The work may also present an opportunity to consider optimization of the entire treatment process to minimize the inputs of energy and chemicals.

Project Name: **Branch 1 Aqueduct at Seine River - Riverbank Stabilization (East Side)**

Department: Water and Waste
Project: 20030009YY

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 95 | 950 | 1,450 | - | - | - | - | 1,450 | 2,400 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 950 | 1,450 | | | | | 1,450 | 2,400 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 950 | 1,450 | - | - | - | - | - | 2,400 |
| Financed by: | | | | | | | | |
| Retained Earnings | 950 | 1,450 | | | | | | 2,400 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

A comprehensive condition assessment of the Branch I Aqueduct reach of the Shoal Lake Aqueduct (Deacon Reservoir to McPhillips Pumping Station and Reservoir) was undertaken for its entire length from 1994 to 1996. A program to assess the stability of the riverbanks adjacent to the Branch I Aqueduct where it crosses the Seine River commenced in early 1997. Downslope movement of the east riverbank has been recorded since that time and internal structural inspections of the Aqueduct has not revealed any distress of the pipe as yet. The trend of observed riverbank movement continues and the Aqueduct will inevitably be impacted along the east riverbank.

Funding is for engineering and construction of riverbank stabilization works to be undertaken before the Aqueduct is impacted.

The expected life of this asset is 50 years.

Funding in 2015 and 2016 includes re-budgeted amounts from previously approved Capital Budgets.

Project Name: **Study of Natural Gas Powered Backup Pumps for Hurst Pumping Station**

Department: Water and Waste
Project: 2005001318
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 400 | - | - | 400 | 400 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | 400 | | | 400 | 400 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 400 | - | - | - | 400 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | 400 | | | | 400 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 5

The pumps at two of the three drinking water 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 natural gas powered backup pumps this station. This study will carry out this assessment and evaluate feasibility of gas driven pumps at this station.

The expected life of this asset is up to 25 years.

Project Name: **Deacon Reservoir Cell Rehabilitation**

Department: Water and Waste
Project: 20110001YY

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,950 | 875 | 475 | - | - | - | - | 475 | 1,350 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 875 | 475 | | | | | 475 | 1,350 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 875 | 475 | - | - | - | - | - | 1,350 |
| Financed by: | | | | | | | | |
| Retained Earnings | 875 | 475 | | | | | | 1,350 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 5

The Deacon Reservoir cells were constructed of clay materials between 1972 and 1996 and rise approximately six meters above the natural prairie. The four cells have a total storage volume of 8,800 megalitres, 6,900 megalitres of which is available for usable storage. The Deacon Reservoir has sufficient capacity to supply the City of Winnipeg with water for approximately 32 days under average water consumption rates. The cells are used to supplement the water supply when the daily water demand exceeds the capacity of the Shoal Lake Aqueduct. The cells also provide a water supply to the City when the Shoal Lake Aqueduct is annually shut down for inspection and maintenance.

On top of the cell dikes exists a three meter wide road which is used for inspection, maintenance, water sampling and security purposes. The total length of the cell roads is 9.5 kilometers. Over time, the roads have developed a number of localized failures from water accumulation which require repair. A topographic survey of the top of the dikes was conducted and found some top of dike elevations that were substantially lower than design elevations. Funding is for preliminary engineering to identify the cause of these known issues and to identify and complete strategies to correct these issues.

Work completed under previous budgets has included the repair of the two precast concrete box culverts that cross under PTH 207 which convey water from Cell No. 2 to Cell No. 1.

Preliminary design in 2015 will provide a class 3 cost estimate prior to construction.

The expected life of this asset is 50 years.

Project Name: **Deacon Booster Pumping Station Suction Header Divider Wall and Valve**

Department: Water and Waste
Project: 20050009YY

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,000 | | | | | | - | 1,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,000 | | | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

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. The works will include the installation of a wall and valve in the mid point on the suction header 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.

Funding in 2015 includes re-budgeted amounts from previously approved Capital Budgets.

Project Name: **HVAC Upgrades at Pumping Stations**

Department: Water and Waste
Project: 2005001415

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 4,900 | - | - | - | - | - | - | 4,900 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 4,900 | | | | | | - | 4,900 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,900 | - | - | - | - | - | - | 4,900 |
| Financed by: | | | | | | | | |
| Retained Earnings | 4,900 | | | | | | | 4,900 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | - | - | - |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 will have to be replaced as the refrigerant that is 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. Closed loop fluid coolers will be installed at McPhillips and MacLean.

Study in progress to update project to a class 3 cost estimate prior to construction.

The estimated useful life of this asset is 20 years.

Project Name: **Water Treatment Plant - Projects and Review**

Department: Water and Waste
Project: 2002000115

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 298,499 | 700 | - | - | - | - | - | - | 700 |
| Financed by: | | | | | | | | | |
| Transfer from Prior Year Authorization - Retained Earnings | | 700 | | | | | | - | 700 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 600 | 100 | - | - | - | - | - | 700 |
| Financed by: | | | | | | | | |
| Transfer from Prior Year Authorization - Retained Earnings | 600 | 100 | | | | | | 700 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 1

The City's first Water Treatment Plant (WTP) began to supply treated water to the City late in 2009. The WTP has since been in operation and the Water Treatment Program Capital Project is coming to a close with a few residual contracts to be completed.

This project includes the closeout of residual contracts related to the Water Treatment Program as well as the review and optimization of the Water Treatment Plant.

Funding in 2015 includes re-budgeted amounts from previously approved Capital Budgets.

The expected life of this asset is over 50 years.

Project Name: **Saskatchewan Avenue Watermain**

Department: Water and Waste
Project: 2013500116

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 4,600 | - | - | - | - | 4,600 | 4,600 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 4,600 | | | | | 4,600 | 4,600 |

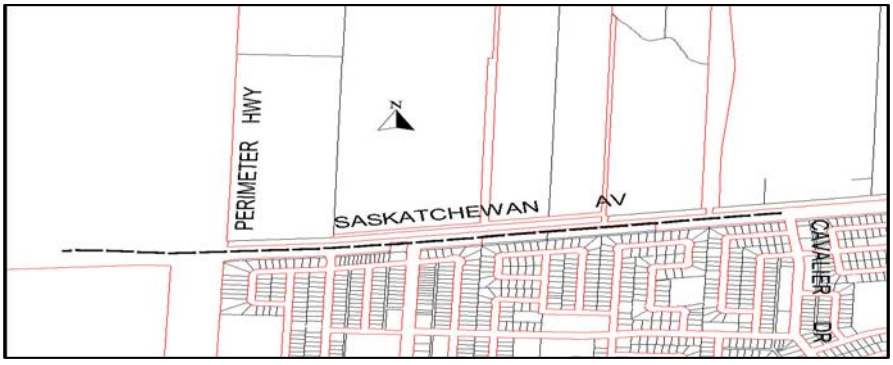
| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 4,600 | - | - | - | - | - | 4,600 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 4,600 | | | | | | 4,600 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 4

Urban development of the lands within the City and west of the Perimeter Highway (PTH 101) will require an extension of the water distribution system to provide a looped supply. The funds included are to provide for a watermain between Cavalier Drive and a point 500 metres west of PTH 101 on Saskatchewan Avenue. It is expected that watermains required within the development lands to complete the loop will be oversized by developers.

The expected life of this asset is over 50 years.



Project Name: **North Kildonan Feedermain River Crossing Replacement / Rehabilitation**

Department: Water and Waste
Project: 2004001114
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,000 | 2,500 | - | - | - | - | - | - | 2,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 2,500 | | | | | | - | 2,500 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,500 | - | - | - | - | - | - | 2,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 2,500 | | | | | | | 2,500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 1

The North Kildonan Feedermain is a 600 mm. diameter pipe that was constructed in 1972 and is critical to the City of Winnipeg water distribution network. The feedermain crosses along the surface of the Red River river bed on an alignment just north of the Chief Peguis Trail.

In the fall of 2012, the City of Winnipeg Water Services Division determined the presence of a major leak in the feedermain near the middle of the Red River crossing. The pipe repair work that has been completed is considered a temporary solution.

A reliable 600 mm. diameter feedermain river crossing at this location is critical to the City's water supply network in terms of available flows for fire protection, consistent distribution pressure, water supply redundancy and to minimize the potential for environmental issues.

The construction work will begin in 2015.

On December 10, 2014 Council authorized expenditure of up to $2,500,000 prior to the adoption of the 2015 Capital Budget as a first charge against the 2015 Capital Budget in order to procure a contract for the North Kildonan Feedermain River Crossing Replacement / Rehabilitation project.

The expected life of this asset is over 50 years.

Project Name: **Feedermain Condition Assessment and Rehabilitation**

Department: Water and Waste
Project: 20040007yy

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,000 | 2,000 | 2,000 | 2,000 | 750 | 1,500 | 8,250 | 9,250 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,000 | 2,000 | 2,000 | 2,000 | 750 | 1,500 | 8,250 | 9,250 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 2,000 | 2,000 | 2,000 | 750 | 1,500 | - | 9,250 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,000 | 2,000 | 2,000 | 2,000 | 750 | 1,500 | | 9,250 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

The feedermains are specialized pipes which are unique in size, materials, construction techniques, and failure. The majority of feedermains were installed in the 1960's 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. This is an ongoing program with additional funding being included in future years.

Funding in 2015 includes re-budgeted amounts from previously approved Capital Budgets.

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

Project Name: **Water and Waste Department GIS Enhancement Program**

Department: Water and Waste
Project: 20100003yy

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 215 | 100 | - | - | - | - | - | - | 100 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 100 | | | | | | - | 100 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | - | - | - | - | - | 100 |
| Financed by: | | | | | | | | |
| Retained Earnings | 100 | | | | | | | 100 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

The purpose of this program is to react to ever changing technologies and operational needs and make whatever changes are required to improve the Department's Geographic Information System (GIS) data quality, maintenance processes, and value to the data stakeholders.

Project Name: **Laboratory Information Management System Upgrade**

Department: Water and Waste
Project: 20100008yy

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 750 | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 500 | | | | | | | 500 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 500 | | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 100 | 100 | 100 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 100 | 100 | 100 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 100 | 100 | 100 |

Class Estimate: 3

This capital project will replace the aging Laboratory Information Management System used to track and report on water quality test results. The existing solution is at the end of its lifecycle and cannot be further enhanced to keep abreast of new Canadian Association for Laboratory Accreditation Inc. (CALA) accreditation requirements. The laboratory needs to maintain its CALA accreditation in order to comply with the Environment Act Licences for the operation of the water and wastewater treatment plants which dictates all water quality analysis must be conducted by a CALA accredited laboratory.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal Fund.

The estimated life of this asset is 10 years.

Project Name: **Building Renovations - 1199 Pacific Avenue**

Department: Water and Waste
Project: 2001000813

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 156 | - | - | - | - | 55 | - | 55 | 55 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 55 | | 55 | 55 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 55 | - | - | 55 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 55 | | | 55 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 5

Building reconfiguration and renovations are necessary to expand meeting space and accommodate project staff working on the wastewater improvement program. Relocation of expanded Solid Waste and Information Systems and Technology divisions has resulted in a need to reconfigure the space.

Funds included in 2019 are to develop a master plan for the 1199 Pacific Avenue facility.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

Project Name: **Transcona Watermain Reliability Upgrade**

Department: Water and Waste
Project: 2001003115
Service: Water
OurWinnipeg: Environment

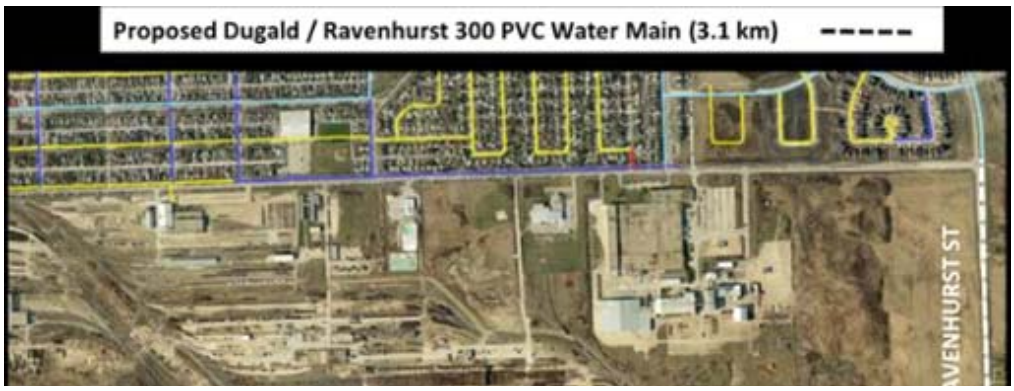
| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 5,000 | - | - | - | - | - | - | 5,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 5,000 | | | | | | - | 5,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,000 | - | - | - | - | - | - | 5,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 5,000 | | | | | | | 5,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

Water supply redundancy in South Transcona is required. The Discoloured Water Investigation Study undertaken in 2013 recommended that the City investigate opportunities to minimize water age (water travel time) in the water distribution system. These concerns in East Winnipeg can be mitigated by the construction of a 3 km. long, 300 mm diameter watermain along Dugald Road from McFadden Avenue to Ravenhurst Street and along Ravenhurst Street from Dugald Road to Pandora Avenue East. It is expected that the cost of the portion of the watermain fronting new development areas will be paid back as part of future development agreements. New connections to the watermain will not be permitted until the full range of services is installed.



Project Name: **Online Distribution Water Quality Monitoring Pilot System**

Department: Water and Waste
Project: 2001003215

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 350 | - | - | - | - | - | - | 350 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 350 | | | | | | - | 350 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 350 | - | - | - | - | - | - | 350 |
| Financed by: | | | | | | | | |
| Retained Earnings | 350 | | | | | | | 350 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

In 2013, a relatively high number of discoloured water events occurred in the water distribution system. The Discoloured Water Investigation Study (CH2M Hill, 2013) highlighted the role of the distribution system in the release of the compounds which cause discoloured water (iron, manganese). Online continuous monitoring of distribution system water quality will provide the Department with additional information to proactively respond to similar events. The Online Distribution Water Quality Monitoring Pilot System Project consists of the procurement and deployment of two sensor panels with connection to the water supply within City owned facilities. The scope of work will also include the development of a testing plan and initial data analysis by the service provider.

Project Name: **Frozen Water Services Management System**

Department: Water and Waste
Project: 2001003315

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 515 | - | - | - | - | - | - | 515 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 515 | | | | | | - | 515 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 515 | - | - | - | - | - | - | 515 |
| Financed by: | | | | | | | | |
| Retained Earnings | 515 | | | | | | | 515 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

The winter of 2013/2014 was the coldest since 1898 that resulted in a deep frost penetration. This resulted in significantly more customers' water services freezing as compared to a typical winter season. The Water and Waste Department is in the process of developing a system to meet the tactical and strategic operational needs of the City to enable a cross-department coordinated response to future frozen water services events. The proposed funding will enable the Water and Waste Department to complete the development of the initial identified phases of the project.

Project Name: **Watermain Renewals**

Department: Water and Waste
Project: 201300xxyy

Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 17,000 | 18,000 | 18,500 | 18,500 | 19,000 | 19,500 | 93,500 | 110,500 |
| Financed by: | | | | | | | | | |
| Watermain Renewal Reserve | | 17,000 | 18,000 | 18,500 | 18,500 | 19,000 | 19,500 | 93,500 | 110,500 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 17,000 | 18,000 | 18,500 | 18,500 | 19,000 | 19,500 | - | 110,500 |
| Financed by: | | | | | | | | |
| Watermain Renewal Reserve | 17,000 | 18,000 | 18,500 | 18,500 | 19,000 | 19,500 | | 110,500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

This project is a continuing program to replace and/or rehabilitate deteriorating watermain infrastructure. Funding is used for watermain replacement, cathodic protection, valve and hydrant replacement/rehabilitation, correction of dead end mains, upgrading of substandard mains, water system studies, assessments, replacement of problem water services within the City right-of-way and hydraulic improvements for fire protection purposes. Additional funding has been added to the program due to the escalation in construction costs. The expected remaining life of each rehabilitated watermain 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: **Biosolids - Alternative Disposal Delivery and Management System**

Department: Water and Waste
Project: 203110004B
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 49,644 | 20,000 | 182,500 | 22,000 | - | - | - | 204,500 | 224,500 |
| Financed by: | | | | | | | | | |
| Environmental Projects Reserve | | 253 | 1,818 | 2,332 | | | | 4,150 | 4,403 |
| Retained Earnings | | 3,176 | 2,107 | 3,778 | | | | 5,885 | 9,061 |
| External Debt | | 16,571 | 178,575 | 15,890 | | | | 194,465 | 211,036 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 10,176 | 9,000 | 22,058 | 52,220 | 34,000 | 34,000 | 63,046 | 224,500 |
| Financed by: | | | | | | | | |
| Environmental Projects Reserve | 253 | 1,818 | 2,332 | | | | | 4,403 |
| Retained Earnings | 3,176 | 2,107 | 3,778 | | | | | 9,061 |
| External Debt | 6,747 | 5,075 | 15,948 | 52,220 | 34,000 | 34,000 | 63,046 | 211,036 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | 2,551 |
| External debt and finance charges | | 716 | 1,912 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | 716 | 4,463 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 716 | 4,463 |

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

The City of Winnipeg has reviewed its land application practices of biosolids relative to regulation requirements, emerging requirements associated with nutrient management regulations, changes to quantity and quality from upgraded wastewater treatment plants, and risk and criticality assessments done at all three plants. The City will have to implement a new biosolids management program as a result of the Provincial Nutrient Management Regulation.

The current biosolids management program will need to be modified to satisfy the Regulation and will require significant capital investment and transition time to implement the required changes. A Biosolids Master Plan Study will identify potential options, costs and timeframes to implement a new biosolids management program to comply with the Water Protection Act. Funds included are for engineering design and construction for the treatment, storage, and disposal of biosolids; this includes costs to upgrade sludge treatment at the North End Water Pollution Control Centre, upgrades for sludge thickening at the South End Water Pollution Control Centre, and to re-establish the land application program so that it is compliant with Provincial Nutrient Management Regulation.

The expected life of the facility is 50 years and the expected life of the mechanical components are 25 years.

Project Name: **Wastewater System Security Upgrades**

Department: Water and Waste
Project: 20300015yy
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | - | - | 500 | 500 | 500 | 1,500 | 1,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | 500 | 500 | 500 | 1,500 | 1,500 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 500 | 500 | 500 | - | 1,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | 500 | 500 | 500 | | 1,500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 5

The wastewater system is made up of complex infrastructure of sewers and pumping stations that convey sewage from Winnipeg homes and businesses to one of three wastewater treatment plants.

Operating the wastewater system is subject to legislation including City By-Laws, the Public Health Act, Operator Certification Regulations, Workplace Safety and Health Act and the Environment Act.

Safeguarding our infrastructure from accidental or intentional damage or destruction is critical to protecting public health and safety, preserving the environment and ensuring economic stability.

Funding in 2018 - 2020 will be for consulting, engineering, and construction services following the development of a Master Plan for the Department's overall security initiative.

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

Project Name: **NEWPCC - Nutrient Removal / Upgrade**

Department: Water and Waste
Project: 203110013B
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 43,214 | 100,000 | 426,156 | - | - | - | - | 426,156 | 526,156 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 10,000 | 50,600 | | | | | 50,600 | 60,600 |
| External Debt | | 90,000 | 375,556 | | | | | 375,556 | 465,556 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 10,000 | 10,000 | 10,000 | 100,000 | 100,000 | 100,000 | 196,156 | 526,156 |
| Financed by: | | | | | | | | |
| Retained Earnings | 10,000 | 10,000 | 10,000 | 30,600 | | | | 60,600 |
| External Debt | | | | 69,400 | 100,000 | 100,000 | 196,156 | 465,556 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 5

Environment Act Licences have been issued for all three plants requiring treatment for nitrogen (N) and phosphorus (P). The implementation of a nutrient removal (NR) process will require a major plant expansion and, given the age of the existing structure and the complexity of phasing the construction, several new facilities will be constructed as part of this project.

The addition of wet weather treatment processes associated with combined sewer overflow (CSO) control must be considered in the overall NR process design and operational effluent disinfection for wet weather.

The current funding requirements are based on planning level assessments and are subject to a great deal of uncertainty. These funding requirements will be revised as engineering progresses; cost estimate will be updated to class 3 prior to construction.

The design build procurement model is being considered in delivering the Nutrient Removal/Upgrade project for the NEWPCC. As such, a large capital amount is required in 2016 to ensure the award of this project. This also includes the procurement of Fairness Advisor and Legal Counsel, inclusion of Manitoba Retail Sales Tax (MRST) for the projects, the cost of Energy Service agreement between the City of Winnipeg and Manitoba Hydro and owner controlled insurance.

The NEWPCC - Raw Sewage Pump Replacement project will be undertaken with this project.

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

Funding in 2015 includes re-budgeted amounts from previously approved Capital Budgets.

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

Department: Water and Waste
Project: 203200xxyy
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 247,250 | 88,350 | - | - | - | - | - | - | 88,350 |
| Financed by: | | | | | | | | | |
| External Debt | | 88,350 | | | | | | | 88,350 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 78,350 | 10,000 | - | - | - | 88,350 |
| Financed by: | | | | | | | | |
| External Debt | | | 78,350 | 10,000 | | | | 88,350 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | 1,790 |
| External debt and finance charges | | | 4,490 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | 6,280 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | 6,280 |

Class Estimate: 3

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

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

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

Project Name: **West End Water Pollution Control Centre (WEWPCC) - Settling Improvement**

Department: Water and Waste
Project: 2033000913
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 750 | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 500 | | | | | | - | 500 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 500 | | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 5

Secondary clarification is the final barrier before disinfection and release. This project will look at ways to improve solids settling and effluent disinfection. It will also include the installation of effluent measurement, improve the total phosphorous (TP) removal, improve total suspended solids (TSS) removal, minimize chemical use and improve disinfection performance.

Preliminary scoping is being undertaken to update project to a class 3 cost estimate prior to construction.

The expected life for this asset is approximately 15 years.

Project Name: **Water Pollution Control Centres (WPCC) - Distributed Control System (DCS) and Human Machine Interface (HMI) Upgrades**

Department: Water and Waste
Project: 2040000613
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,000 | 3,000 | - | - | - | - | - | - | 3,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 3,000 | | | | | | - | 3,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,000 | - | - | - | - | - | - | 3,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 3,000 | | | | | | | 3,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 5

The Water and Waste Department's three WPCC utilize an ABB Infi90 Distributed Control System (DCS) with an ABB Process Control View (PCV) Human Machine Interface (HMI). It is an intricate network of specialized computers that monitors thousands of sensors throughout the plants and controls the treatment processes by making calculations and adjustments prescribed by operators and process control analysts using the HMI. This hardware was purchased between 1998 and 2003.

PCV is an older software package that runs on an operating system which gives rise to significant hardware compatibility issues in the event of replacement of existing computers. Newer computers require newer software drivers, which are not available in the current versions of the software that the Department owns. It is therefore not feasible to simply replace the existing computers as new computers will not be compatible with the existing software.

This project will develop an automation master plan and standardization and to upgrade the WPCCs' automation systems to ensure long-term operational reliability.

Work is ongoing with the vendor to define the scope of options to meet the operation reliability objectives. Cost estimate will be refined prior to undertaking upgrades.

The expected life of this asset is 15 years.

Project Name: **WPCC - Asset Refurbishment and Replacement Project**

Department: Water and Waste
Project: 20300005yy
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 29,358 | 5,000 | 5,000 | 5,000 | 2,000 | 2,000 | 2,000 | 16,000 | 21,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 5,000 | 5,000 | 5,000 | 2,000 | 2,000 | 2,000 | 16,000 | 21,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,000 | 5,000 | 5,000 | 2,000 | 2,000 | 2,000 | - | 21,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 5,000 | 5,000 | 5,000 | 2,000 | 2,000 | 2,000 | | 21,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

The name of this project has changed from 'WPCC - Reliability Upgrades' to 'WPCC - Asset Refurbishment and Replacement Project'.

A risk and criticality review of the City's three Water Pollution Control Centres (WPCC) has been undertaken to assess the condition of assets and to develop a refurbishment and replacement plan for the next 25 years. The review will address mechanical, electrical, and structural components at all three locations. 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.

The expected life of the structure upgrades is 50 years and the expected life of the electrical and mechanical components is 25 years.

Project Name: **WPCC - Re-roofing**

Department: Water and Waste
Project: 20300010yy

Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 475 | - | - | - | - | - | - | 475 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 475 | | | | | | - | 475 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 475 | - | - | - | - | - | - | 475 |
| Financed by: | | | | | | | | |
| Retained Earnings | 475 | | | | | | | 475 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

Various Water Pollution Control Centre (WPCC) buildings require re-roofing because the existing roof has exceeded its functional life and is in need of frequent repair and servicing. Mechanical equipment and controls contained in these facilities require that the superstructures be adequately maintained to protect its components. Re-roofing in a timely and proactive manner will maximize the functional life of the facilities, protect the mechanical and control components contained in the facilities, and prevent structural damage to the facilities as a result of water leakage and freeze-thaw cycles. The funding for this ongoing program includes engineering, design, and re-roofing construction.

The expected life of this asset is 30 years.

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

Project Name: **Arc Flash Hazard Analysis and Remediation**

Department: Water and Waste
Project: 20300018yy
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 898 | 1,110 | 1,127 | 367 | - | - | - | 1,494 | 2,604 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,110 | 1,127 | 367 | | | | 1,494 | 2,604 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 855 | 930 | 671 | 148 | - | - | - | 2,604 |
| Financed by: | | | | | | | | |
| Retained Earnings | 855 | 930 | 671 | 148 | | | | 2,604 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

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. This is a program to conduct an arc flash study utilizing the SKM software analysis system for the Land Drainage, Stormwater and Sanitary Pumping Stations including the North End Water Pollution Control Centre, South End Water Pollution Control Centre, and West End Water Pollution Control Centre.

The intent of the study is to determine the potential arc flash energy at various distribution points and provide recommendations to reduce arc flash energies, upgrade equipment to lower fault energies, and to procure personal protective equipment and training. This is in preparation for compliance of the inclusion of arc flash requirements in the Electrical Code. Implementing the recommendations from the Arc Flash Study will be scheduled on a priority basis in conjunction with other electrical upgrades at the department facilities.

The expected life of asset is 50 years.

Funding in 2015 includes re-budgeted amounts from previously approved Capital Budgets.

Project Name: **Lift Stations Upgrading**

Department: Water and Waste
Project: 20350001yy
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 2,000 | 2,200 | 2,332 | 2,471 | 2,620 | 2,700 | 12,323 | 14,323 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 2,000 | 2,200 | 2,332 | 2,471 | 2,620 | 2,700 | 12,323 | 14,323 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,000 | 2,200 | 2,332 | 2,471 | 2,620 | 2,700 | - | 14,323 |
| Financed by: | | | | | | | | |
| Retained Earnings | 2,000 | 2,200 | 2,332 | 2,471 | 2,620 | 2,700 | | 14,323 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 as required for the 74 lift stations and associated forcemains, gate chambers, and related works in the sewage collection system. For maximum effectiveness the program must be on a planned and continuous basis.

The program will include a condition assessment of all lift stations to establish future funding requirements.

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: **Fernbank Interceptor**

Department: Water and Waste
Project: 2037001116
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 8,800 | 8,800 | 8,800 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | | 8,800 | 8,800 | 8,800 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 8,800 | - | 8,800 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | | 8,800 | | 8,800 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 5

This project includes construction of an interceptor sewer to service lands in future developments in the northwest sector of the City of Winnipeg, west of the Riverbend Subdivision and east of McPhillips Street.

The expected life of this asset is 75 years.

Project Name: **Warde Interceptor Extension**

Department: Water and Waste
Project: 2037000516
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 3,500 | - | - | - | - | - | - | 3,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 3,500 | | | | | | - | 3,500 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,500 | - | - | - | - | - | - | 3,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 3,500 | | | | | | | 3,500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

This project includes the construction of an interceptor sewer to service lands in future developments in the southeast sector of the City of Winnipeg, east of the existing Royalwood subdivision.

The expected life of this asset is 75 years.

On December 10, 2014 Council authorized expenditure of up to $3,500,000 prior to the adoption of the 2015 Capital Budget as a first charge against the 2015 Capital Budget in order to procure a contract for the Warde Interceptor Extension project.

Project Name: **Plessis Road Interceptor**

Department: Water and Waste
Project: 2037001317

Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 7,300 | - | - | - | 7,300 | 7,300 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | 7,300 | | | | 7,300 | 7,300 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 7,300 | - | - | - | - | 7,300 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | 7,300 | | | | | 7,300 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 4

This project includes construction of an interceptor sewer to service lands in future developments in the North Transcona sector of the City of Winnipeg, which is designated as Precinct "I" in OurWinnipeg.

The expected life of this asset is 75 years.

Project Name: **Kenaston Boulevard Interceptor**

Department: Water and Waste
Project: 2037001417
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 5,300 | - | - | - | 5,300 | 5,300 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | 5,300 | | | | 5,300 | 5,300 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 5,300 | - | - | - | - | 5,300 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | 5,300 | | | | | 5,300 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 4

This project includes construction of an interceptor sewer to service lands in future developments in the southwest sector of the City of Winnipeg, as part of a planned Fort Whyte residential area southeast of Wilkes Avenue and McCreary Road.

The expected life of this asset is 75 years.

Project Name: **Laboratory Information Management System Upgrade**

Department: Water and Waste
Project: 20400008yy
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2015 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 750 | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 500 | | | | | | - | 500 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 500 | | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 100 | 100 | 100 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 100 | 100 | 100 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 100 | 100 | 100 |

Class Estimate: 3

This capital project will replace the aging Laboratory Information Management System used to track and report on water quality test results. The existing solution is at the end of its lifecycle and cannot be further enhanced to keep abreast of new Canadian Association for Laboratory Accreditation Inc. (CALA) accreditation requirements. The laboratory needs to maintain its CALA accreditation in order to comply with the Environment Act Licences for the operation of the water and wastewater treatment plants which dictates all water quality analysis must be conducted by a CALA accredited laboratory.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

The estimated life of this asset is 10 years.

Project Name: **Building Renovations - 1199 Pacific Avenue**

Department: Water and Waste
Project: 2030000813
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 156 | - | - | - | - | 55 | - | 55 | 55 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 55 | | 55 | 55 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 55 | - | - | 55 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 55 | | | 55 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 5

Building reconfiguration and renovations are necessary to expand meeting space and also to accommodate project staff working on the wastewater improvement program. Relocation of expanded Solid Waste and Information Systems and Technology divisions has resulted in a need to reconfigure the space.

Funds included in 2019 are to develop a master plan for the 1199 Pacific Avenue facility.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

Project Name: **Combined Sewer Overflow and Basement Flood Management Strategy**

Department: Water and Waste
Project: 20380001yy
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 17,881 | 14,430 | 31,900 | 44,648 | 21,300 | 22,618 | 134,896 | 152,777 |
| Financed by: | | | | | | | | | |
| Environmental Projects Reserve | | 7,581 | 14,430 | 31,900 | 44,648 | 21,300 | 22,618 | 134,896 | 142,477 |
| Sewer System Rehabilitation Reserve | | 10,300 | | | | | | | 10,300 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 15,881 | 16,430 | 31,900 | 33,648 | 32,300 | 22,618 | - | 152,777 |
| Financed by: | | | | | | | | |
| Environmental Projects Reserve | 5,581 | 16,430 | 31,900 | 33,648 | 32,300 | 22,618 | | 142,477 |
| Sewer System Rehabilitation Reserve | 10,300 | | | | | | | 10,300 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 40 | 42 | 44 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 40 | 42 | 44 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 40 | 42 | 44 |

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

The Combined Sewer Flood Relief program from the General Capital Fund - Land Drainage and Flood Control is amalgamated with the Combined Sewer Overflow (CSO) Management Strategy & Miscellaneous Mitigation project. The new amalgamated Capital program is called the Combined Sewer Overflow and Basement Flood Management Strategy and will be driven by the future Combined Sewer Overflow Master Plan currently being developed to meet pending Provincial licence requirements.

It is the intent to create a multi-year combined sewer overflow and basement flood mitigation program that integrates with other major sewer programs, including work on sewer condition assessments and upgrading programs under the Sewer Renewals program and the Water Pollution Control Centre Upgrading programs.

The program objectives are:

- to comply with the regulators to mitigate the impact of CSO's on the local water courses and protect the public interest,

- to reduce the amount of wet weather flow to the wastewater treatment plants,

- to reduce the number of basement flooding incidents in both combined and separate sewer districts.

Funds budgeted are for the development of a CSO Master Implementation plan, technical and economic analyses, program development, staging of mitigation works, annual monitoring programs, pilot studies, land acquisition, integration with other major sewer programs, overflow monitoring and reporting, and initiation and implementation of control measures, including SCADA (Supervisory Control and Data Acquisition). These funds will also be used for the planning, design and construction of sewer relief works for basement flooding and CSO mitigation. Also a portion of the funds will be used for sewer flow and meteorological monitoring in advance of design as well as public communication and education on basement flood protection and combined sewer overflows.

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**

Department: Water and Waste
Project: 20300030YY
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,750 | 1,000 | 1,100 | 1,100 | 1,200 | - | 4,400 | 6,150 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,750 | 1,000 | 1,100 | 1,100 | 1,200 | | 4,400 | 6,150 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,150 | 1,200 | 1,200 | 1,300 | 1,300 | - | - | 6,150 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,150 | 1,200 | 1,200 | 1,300 | 1,300 | | | 6,150 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 4

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 wastewater 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 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.

Preliminary design in 2015 will provide a class 3 cost estimate prior to construction.

The expected life of this asset is 50 years.

Project Name: **360 McPhillips Equipment Storage Facility**

Department: Water and Waste
Project: 2030003115
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 135 | - | - | - | - | - | - | 135 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 135 | | | | | | - | 135 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 135 | - | - | - | - | - | - | 135 |
| Financed by: | | | | | | | | |
| Retained Earnings | 135 | | | | | | | 135 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

The project involves the construction of a 2,500 sq. ft. temporary un-heated portable storage facility at 360 McPhillips Street. This will allow for temporary pumping equipment to be stored out of the elements which will assist with the reliability of the equipment. The previous storage facility is no longer available due to the redevelopment of the property.

The expected life of this asset is 10 years.

Project Name: **Northeast Interceptor River Crossing Upgrade**

Department: Water and Waste
Project: 20370015YY
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,500 | 11,000 | - | - | - | - | 11,000 | 12,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,500 | 11,000 | | | | | 11,000 | 12,500 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | 5,500 | 5,500 | - | - | - | - | 12,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,500 | 5,500 | 5,500 | | | | | 12,500 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 4

The Northeast Interceptor collects wastewater from the northeast quadrant of Winnipeg and conveys it to the North End Water Pollution Control Centre (NEWPCC). The last section of the interceptor consists of a siphon under the Red River. This allows all flows from the Northeast Interceptor to cross the Red River to the NEWPCC. This crossing is located just south of the Chief Peguis Trail Bridge. This crossing, constructed in the 1970's, consists of two pipes that were laid on the bottom of the Red River; 800 mm and 500 mm diameters.

At the time of construction, provisions for a third pipe were made. The third pipe was planned to be 900mm diameter and would be constructed when flows reached a point where the additional capacity was required.

Currently, if there is a failure of one of the pipes, there is insufficient capacity in a single pipe. Additionally, the control valves in the existing chambers have deteriorated to the point where they are non-operable, preventing the isolation of the pipes which may result in an uncontrolled discharge to the Red River.

Some of the areas that are serviced by this interceptor have levels of service for their basement flooding protection that need to be improved. These upgrades will increase the flow that needs to be conveyed to NEWPCC through the siphons. Extra capacity will be needed in the siphons to facilitate these projects.

Detailed design in 2015 will provide a class 3 cost estimate prior to construction in 2016.

The expected life of this asset is 75 years.

Project Name: **Southwest Interceptor River Crossing**

Department: Water and Waste
Project: 20370016YY
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 200 | 1,800 | 13,000 | 15,000 | 15,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | 200 | 1,800 | 13,000 | 15,000 | 15,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 200 | 1,000 | 7,000 | 6,800 | 15,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | 200 | 1,000 | 7,000 | 6,800 | 15,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 5

Currently all sewage from the area south of Bishop Grandin Boulevard and west of the Red River plus the communities of Lindenwoods and Whyte Ridge flows to the South End Water Pollution Control Centre. This flow crosses the Red River between the Fort Garry Bridges via the D'Arcy Lift Station.

If there is a failure of the lift station or pipes crossing the Red River there is a substantial risk to basement flooding and/or overflowing to the Red River. A second crossing needs to be constructed to convey flows to SEWPCC should there be a failure of either the 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 capacity will reduce the risk of basement flooding and overflows to the river.

The Southwest Interceptor Crossing will provide an additional gravity crossing of the Red River. In 2018 a conceptual study will be done to review options and sizing. Detailed design will take place in 2019 with construction starting in 2020. The costs for detailed design and construction (2019 and 2020) will be developed based on the findings of the conceptual study.

The expected life of this asset is 75 years.

Project Name: **D'Arcy Lift Station Load Shedding Upgrade**

Department: Water and Waste
Project: 20350001616
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 400 | - | - | - | - | 400 | 400 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 400 | | | | | 400 | 400 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 400 | - | - | - | - | - | 400 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 400 | | | | | | 400 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 Water Pollution Control Centre 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: **Sewer Renewals**

Department: Water and Waste
Project: 203900xxyy

Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 16,100 | 16,900 | 17,800 | 18,200 | 19,500 | 20,500 | 92,900 | 109,000 |
| Financed by: | | | | | | | | | |
| Sewer System Rehabilitation Reserve | | 16,100 | 16,900 | 17,800 | 18,200 | 19,500 | 20,500 | 92,900 | 109,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 16,100 | 16,900 | 17,800 | 18,200 | 19,500 | 20,500 | - | 109,000 |
| Financed by: | | | | | | | | |
| Sewer System Rehabilitation Reserve | 16,100 | 16,900 | 17,800 | 18,200 | 19,500 | 20,500 | | 109,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

This project is a continuing program to replace and/or rehabilitate sewer infrastructure. Funds will be utilized to rehabilitate or replace combined, separate wastewater and land drainage sewers. Sewers will be replaced or rehabilitated using appropriate technologies, based on condition assessment determined through video inspection. A portion of the funding will be used for condition assessment. Additional funding has been added to the program due to the increased number of sewer mains requiring replacement/rehabilitation. The expected remaining life of each rehabilitated sewer ranges from 20 to 100 years, depending on the rehabilitation technology and the asset condition.

Funds 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 Section 37 of the Sewer By-Law.

On December 10, 2014 Council authorized expenditure of up to $2,500,000 prior to the adoption of the 2015 Capital Budget as a first charge against the 2015 Capital Budget in order to procure a contract for the Sewer Renewal program.

* 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 - Cell Construction - Phase 1**

Department: Water and Waste
Project: 20620004yy
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,790 | 550 | 2,600 | 2,100 | 2,200 | 2,300 | - | 9,200 | 9,750 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 550 | | | | | | | 550 |
| External Debt | | | 2,600 | 2,100 | 2,200 | 2,300 | | 9,200 | 9,200 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 550 | 2,600 | 2,100 | 2,200 | 2,300 | - | - | 9,750 |
| Financed by: | | | | | | | | |
| Retained Earnings | 550 | | | | | | | 550 |
| External Debt | | 2,600 | 2,100 | 2,200 | 2,300 | | | 9,200 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | 172 | 486 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | 172 | 486 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 172 | 486 |

Class Estimate: 2

The remaining capacity at the Brady Road Resource Management Facility is approximately 100-150 years. The funding identified provides for annual cell construction related works to accommodate lateral expansion of the landfill adjacent to the existing cells. This involves constructing a natural clay or artificial liner and a leachate (landfill liquids) collection system at the base of the prior excavation. The excavation will be performed as part of routine operations to obtain cover material during progressive closure. Filling with refuse, then progresses within the cell in layers until the design height above ground has been achieved, by which time the next cell has been prepared.

The cost identified includes the construction of the liner, and installation of the leachate collection system, including associated engineering. This work is a requirement of the Province of Manitoba Environment Act Licence No. 3081 R.

The expected life of this asset is 50 years.

Project Name: **Brady Road Resource Management Facility - Cell Construction - Phase 2**

Department: Water and Waste
Project: 20620004yy
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 650 | 3,350 | 4,000 | 4,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 650 | 3,350 | 4,000 | 4,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 650 | 3,350 | - | 4,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 650 | 3,350 | | 4,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 4

The remaining capacity at the Brady Road Resource Management Facility is approximately 100-150 years. The funding identified provides for annual cell construction related works to accommodate lateral expansion of the landfill in a new area. This involves constructing a natural clay or artificial liner and a leachate (landfill liquids) collection system at the base of the prior excavation. The excavation will be performed as part of routine operations to obtain cover material during progressive closure. Filling with refuse, then progresses within the cell in layers until the design height above ground has been achieved, by which time the next cell has been prepared.

The cost identified includes the construction of the liner, and installation of the leachate collection system, including associated engineering. This work is a requirement of the Province of Manitoba Environment Act Licence No. 3081 R.

The expected life of this asset is 50 years.

Project Name: **Brady Road Resource Management Facility - Drainage, Roadways and Site Improvements**

Department: Water and Waste
Project: 20620006yy
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,040 | 770 | 600 | 400 | - | - | - | 1,000 | 1,770 |
| Financed by: | | | | | | | | | |
| External Debt | | 770 | 600 | 400 | | | | 1,000 | 1,770 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 770 | 600 | 400 | - | - | - | - | 1,770 |
| Financed by: | | | | | | | | |
| External Debt | 770 | 600 | 400 | | | | | 1,770 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | 51 | 142 | 209 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 51 | 142 | 209 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 51 | 142 | 209 |

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

This work is a requirement of the Province of Manitoba Environment Act Licence No. 3081 R.

The licence has indicated the need for significant drainage, roadway and other site improvements such as landscaping. In keeping with best practices for landfill operations, runoff from landfilled areas will be directed to storage and tested for acceptability for release. Drainage from non-landfilled areas will be by direct connection to external drainage.

The main internal roadway is Charrette Road which has been in operation since the inception of this landfill in 1973. This roadway requires significant upgrading to withstand continued use. There is also a need to construct new internal roadways for redirection of trucks transporting clean fill and other bulk usable materials to stockpile areas and for future landfill access.

Costs include preliminary design/detailed design, engineering and construction.

The expected life of this asset is 50 years.

Project Name: **Brady Road Resource Management Facility - Landfill Gas Capture Expansion - Phase 2**

Department: Water and Waste
Project: 2062000214
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,600 | - | 1,800 | - | - | 3,400 | 3,400 |
| Financed by: | | | | | | | | | |
| External Debt | | | 1,600 | | 1,800 | | | 3,400 | 3,400 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,600 | - | 1,800 | - | - | - | 3,400 |
| Financed by: | | | | | | | | |
| External Debt | | 1,600 | | 1,800 | | | | 3,400 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | 50 |
| External debt and finance charges | | 106 | 213 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | 106 | 263 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 106 | 263 |

Class Estimate: 3

The current landfill gas collection system is constructed in the inactive (completed) portion of the landfill. There is no current collection of landfill gases in the active portion of the landfill. The active portion of the landfill is expected to be closed in 2015. If the gas is not collected in the active portion of the landfill, objectionable odours will be experienced by the nearby neighborhoods from the active filling area.

There is an obligation under the Province of Manitoba Environment Act Licence No. 3081 R for the Brady Road Resource Management Facility (BRRMF) to control odours leaving the landfill site. Additionally, flammable gases will be released uncontrolled and indiscriminately from the decomposing waste which may pose public health and safety risks. The Climate Change and Emissions Reductions Act requires the City to collect and destroy methane gas generated by the Brady Road Resource Management Facility, consistent with Provincial directives on greenhouse gas (GHG) reduction and odour control.

Costs include preliminary design/detailed design, engineering and construction.

The City intends to explore funding alternatives with external agencies on GHG credit allowance or capital funding.

Project Name: **Brady Road Resource Management Facility - Master Plan Development**

Department: Water and Waste
Project: 20650008yy
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 400 | - | - | - | - | - | - | 400 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 400 | | | | | | | 400 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | - | - | - | - | - | - | 400 |
| Financed by: | | | | | | | | |
| Retained Earnings | 400 | | | | | | | 400 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 3

This project provides for consultant services related to fulfilling the requirements of the Province of Manitoba Environment Act Licence No. 3081 R for the Brady Road Resource Management Facility, issued April 23, 2014, as well as supporting the Comprehensive Integrated Waste Management Plan approved by Council October 19, 2011. It includes the following projects/activities:

- Infrastructure and Site Master Plan, including value engineering for determining clay balances and future burial areas
- Capital roadmap for the Brady Road Resource Management Facility
- Supporting the development of the Brady Road Resource Management Facility for waste diversion and disposal activities
- Development of plans required by the Environmental Licence (e.g. Leachate Management, Environmental Monitoring, Closure/Post-closure).

Project Name: **Summit Landfill Closure / Post-Closure**

Department: Water and Waste
Project: 2063000113
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,326 | 330 | - | - | - | - | - | - | 330 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 330 | | | | | | | 330 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 330 | - | - | - | - | - | - | 330 |
| Financed by: | | | | | | | | |
| Retained Earnings | 330 | | | | | | | 330 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | - | - | - |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Class Estimate: 1

In compliance with the closure/post-closure plan for the former Summit Road landfill site, there is a requirement to apply additional final cover over the site and to carry out final grading, drainage control, and vegetative cover. The additional cover and grading/drainage control, and vegetative cover will restrict infiltration of precipitation into the site reducing leachate (landfill liquids) production. This reduces the amount of leachate that needs to be pumped and treated from this site. There is also a requirement to secure this site from unauthorized access. The costs identified include acquiring fill for final cover, grading/drainage control, fencing, plantings, and signage, including associated engineering.

The expected life of this asset is 50 years.

Project Name: **Comprehensive Integrated Waste Management Strategy (CIWMS) - 4R Winnipeg Depots (Community Resource Recovery Centres)**

| | | | |
|---|---|---|---|
| Department: | Water and Waste | Service: | Recycling and Waste Diversion |
| Project: | 20650011yy | OurWinnipeg: | Environment |

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 10,920 | 800 | 400 | 4,750 | - | - | - | 5,150 | 5,950 |
| Financed by: | | | | | | | | | |
| External Debt | | 800 | 400 | 4,750 | | | | 5,150 | 5,950 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | 400 | 4,750 | - | - | - | - | 5,950 |
| Financed by: | | | | | | | | |
| External Debt | 800 | 400 | 4,750 | | | | | 5,950 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | 49 | 11 | 325 |
| External debt and finance charges | 53 | 134 | 475 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 102 | 145 | 800 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 102 | 145 | 800 |

Class Estimate: 3 - applies to 2015 only

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy (CIWMS). This project is part of that plan and consists of up to four facilities, one at the Brady Road Resource Management facility (South), one on Pacific Avenue (North), one at a site in east Winnipeg and one in west Winnipeg.

These facilities will provide a drop-off location for small loads of recyclable and divertible materials delivered by residents for processing and/or transfer to markets and/or further processing facilities. The collection of select product steward materials will also be included. These facilities will include opportunities for non-profit recyclers and product stewards to partner with the City for material diversion. These facilities will also include the capability to transfer residue from the operations for burial at the Brady Road Resource Management Facility. Each facility will consist of an all-weather traffic surface, the ability to monitor, drop-off and charge for loads and the ability to haul away materials.

These facilities, formally known as Community Resource Recovery Centres have now been branded as 4R Winnipeg Depots.

Costs include preliminary design/detailed design, engineering and construction. It is expected that some funding towards this project will be received from 3rd parties.

Cost estimates in 2015 related to the 4R Winnipeg Depots, currently under construction are class 3. Detailed design in 2016 will provide a class 3 estimate prior to construction of the remaining depots.

The life expectancy of this asset is 25 years.

Project Name: **CIWMS - Material Recycling Facility**

Department: Water and Waste
Project: 2065001216
Service: Recycling and Waste Diversion
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | | |
| External Debt | | 1,000 | | | | | | | 1,000 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| External Debt | 1,000 | | | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | 68 | 133 | 133 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 68 | 133 | 133 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 68 | 133 | 133 |

Class Estimate: 5

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy (CIWMS).

This project is to undertake an operational and business case study to determine the optimum solution to procure a recycling processing facility or processing services after 2017, when the existing services contract expires. In addition, this project is to undertake any preliminary design/property acquisition that may potentially arise as a result of the study.

A study will be undertaken in 2015 to determine optimum solution. If it is determined that a recycling processing facility be procured for preliminary design / property acquisition, work will begin to update the project to a class 3 cost estimate prior to construction.

Project Name: **Golf Course Improvements**

Department: Winnipeg Golf Services
Project: 639xxxxx10
Service: Golf Services (SOA)
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2015 Estimate | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 715 | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Cash to Capital | 23 | (23) | | | | | | - | (23) |
| Golf Course Reserve | 692 | 23 | | | | | | | 23 |

| CASH FLOW | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Beyond 2020 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | |
| Cash to Capital | (23) | | | | | | | (23) |
| Golf Course Reserve | 23 | | | | | | | 23 |

| NET OPERATING IMPACT ($000's) | 2015 | 2016 | 2017 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | (23) | | |
| **Total Direct Costs** | (23) | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | (23) | - | - |

Class Estimate: Not applicable

Capital improvements consist of refurbishment and/or replacement of greens, tee boxes and fairways as well as reforestation, equipment purchases and improvements to land drainage, irrigation systems and clubhouse facilities.

2015 is for repayment for this work from the Golf Course Reserve to the General Capital Fund.

Back to Table of Contents

**The City of Winnipeg**

# Appendices

## 2015
## Preliminary Capital Budget

## and

## 2016 to 2020
## Five Year Forecast

# Table of Contents


Appendix 1: Service Based View....3-1

Appendix 2: Cost Estimation Classification System....3-14

Appendix 3: Public Private Partnership Payments as a Percentage Of Cash to Capital / Gas Tax....3-15

Appendix 4: Transfers from Other Capital Accounts / Surplus Capital....3-16

Appendix 5: 5A. Transfer to Capital Reconciliation....3-17

5B. Variances Net of Transfer to Capital/Reserves....3-18

5C. Cash to Capital Surpluses - 2014 Capital Closing Review....3-19

Appendix 6: Regional and Local Streets Renewal....3-23

Appendix 7: Funding Plan for Southwest Transitway (Stage 2) / Pembina Underpass....3-26

Appendix 8: Major Capital Projects....3-29

Back to Table of Contents

| **CAPITAL PROJECTS SUMMARY** | **PRELIMINARY CAPITAL** | | | | | | |
|---|---|---|---|---|---|---|---|
| ***SERVICE BASED VIEW*** | **BUDGET** | **FORECAST** | | | | | **6 YEAR** |
| *(in Thousands of $)* | **2015** | **2016** | **2017** | **2018** | **2019** | **2020** | **TOTAL** |
| INFRASTRUCTURE RENEWAL AND PUBLIC WORKS | | | | | | | |
| Roadway Construction and Maintenance | **122,342** | **125,947** | **136,280** | **147,478** | **141,059** | **153,826** | **826,932** |
| Transportation Planning and Traffic Management | **6,855** | **6,730** | **3,730** | **3,730** | **3,730** | **2,850** | **27,625** |
| City Beautification | **1,300** | **1,300** | **1,300** | **1,300** | **1,300** | **1,300** | **7,800** |
| Land Drainage and Flood Control | **8,095** | **6,858** | **7,350** | **6,950** | **5,950** | **4,950** | **40,153** |
| Parks and Urban Forestry | **8,182** | **9,501** | **8,568** | **8,972** | **8,641** | **8,123** | **51,987** |
| Public Transit | **27,436** | **35,297** | **28,825** | **30,395** | **39,956** | **35,818** | **197,727** |
| Water | **64,184** | **47,956** | **22,900** | **25,950** | **19,805** | **22,775** | **203,570** |
| Wastewater | **261,801** | **660,713** | **93,099** | **69,119** | **48,975** | **70,118** | **1,203,825** |
| Solid Waste Disposal | **2,050** | **4,800** | **2,500** | **4,000** | **2,950** | **3,350** | **19,650** |
| Recycling and Waste Diversion | **1,800** | **400** | **4,750** | | | | **6,950** |
| **Total Infrastructure Renewal and Public Works** | **504,045** | **899,502** | **309,302** | **297,894** | **272,366** | **303,110** | **2,586,219** |
| PROTECTION AND COMMUNITY SERVICES | | | | | | | |
| Police Response | **7,186** | **9,068** | **22,188** | **5,872** | **4,467** | **9,420** | **58,201** |
| Fire and Rescue Response | **5,293** | **12,719** | **9,060** | **6,292** | **7,609** | **11,034** | **52,007** |
| Recreation | **12,806** | **8,270** | **11,056** | **7,348** | **14,534** | **5,762** | **59,776** |
| Libraries | **5,800** | **6,566** | **3,080** | **8,136** | **2,238** | **1,708** | **27,528** |
| Arts, Entertainment and Culture | **11,573** | **5,873** | **5,873** | **5,123** | **5,123** | **2,000** | **35,565** |
| Insect Control | **300** | | **732** | | | | **1,032** |
| **Total Protection and Community Services** | **42,958** | **42,496** | **51,989** | **32,771** | **33,971** | **29,924** | **234,109** |
| PROPERTY AND DEVELOPMENT | | | | | | | |
| Neighbourhood Revitalization | **3,396** | **4,115** | **4,168** | **4,082** | **5,897** | **2,152** | **23,810** |
| Heritage Conservation | **200** | **200** | **350** | **270** | **214** | **217** | **1,451** |
| Cemeteries | **410** | **382** | **408** | **400** | **390** | **398** | **2,388** |
| Property Asset Management - Tax Supported | **150** | **350** | **420** | **384** | **361** | **393** | **2,058** |
| Property Asset Management - Municipal Accommodations | **4,050** | **2,966** | **4,031** | **4,078** | **3,919** | **3,909** | **22,953** |
| **Total Property and Development** | **8,206** | **8,013** | **9,377** | **9,214** | **10,781** | **7,069** | **52,660** |
| EXECUTIVE POLICY | | | | | | | |
| Organizational Support Services | **3,541** | **3,668** | **4,043** | **2,996** | **1,651** | **2,319** | **18,218** |
| Assessment, Taxation and Corporate | **750** | | **870** | **320** | **350** | **200** | **2,490** |
| Council Services | **1,000** | | **200** | **450** | | | **1,650** |
| **Total Executive Policy** | **5,291** | **3,668** | **5,113** | **3,766** | **2,001** | **2,519** | **22,358** |
| **TOTAL CAPITAL PROGRAM** | **560,500** | **953,679** | **375,781** | **343,645** | **319,119** | **342,622** | **2,895,346** |

| CAPITAL PROJECTS SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **CAPITAL PROJECTS LISTING** | | | | | | | | |
| **INFRASTRUCTURE RENEWAL AND PUBLIC WORKS** | | | | | | | | |
| **Roadway Construction and Maintenance** | | | | | | | | |
| ***Public Works*** | | | | | | | | |
| Recreational Walkways and Bicycle Paths - Various Locations | 2-1 | **1,000** | **1,300** | **1,500** | **1,500** | **1,500** | **1,500** | **8,300** |
| New Regional Sidewalks | 2-2 | **250** | **1,000** | **1,200** | **1,200** | **1,200** | **1,200** | **6,050** |
| New Non-Regional Sidewalks | 2-3 | **150** | **300** | **500** | **500** | **500** | **500** | **2,450** |
| Bicycle Corridors (formerly Active Transportation Corridors) | 2-4 | **1,000** | **1,500** | **2,000** | **2,200** | **2,200** | **2,200** | **11,100** |
| Developer Payback - Various Locations | 2-5 | **3,000** | | **12,465** | | | **16,113** | **31,578** |
| Tuxedo Yards Development | 2-6 | **1,250** | **1,650** | **2,150** | **2,650** | **3,730** | **24** | **11,454** |
| Kenaston Boulevard - Ness Avenue to Taylor Avenue | 2-14 | | **100** | **3,345** | **100** | **2,263** | **100** | **5,908** |
| Preliminary / Detailed Design for Building Canada Fund Project(s) | 2-15 | **3,000** | **2,200** | | | | | **5,200** |
| Regional and Local Street Renewal - First charge on 2015 Capital Budget for Nairn Avenue Overpass Traffic Mitigation Measures from the Local Street Renewal Program of up to $350,000 (Council July 16, 2014) | 2-16 | **103,292** | **94,097** | **99,820** | **114,428** | **112,966** | **115,489** | **640,092** |
| Louise Bridge (Red River) | 2-22 | | **2,000** | | | | | **2,000** |
| Fermor Avenue Bridge (Seine River) | 2-24 | | **1,000** | **1,200** | **10,100** | **6,700** | | **19,000** |
| Saskatchewan Avenue Culvert (Sturgeon Creek) | 2-25 | | **1,000** | **1,000** | **8,000** | | | **10,000** |
| Ness Avenue Culvert (Sturgeon Creek) | 2-26 | **2,000** | **11,000** | | | | | **13,000** |
| Saskatchewan Avenue Bridge (Omand's Creek) - First charge on 2015 Capital Budget of up to $700,000 (Council December 10, 2014) | 2-27 | **700** | **2,300** | | | | | **3,000** |
| Lyndale Drive - Retaining Wall Rehabilitation - First charge on 2015 Capital Budget of up to $500,000 (Council December 10, 2014) | 2-28 | **700** | **500** | **5,000** | | | | **6,200** |
| Osborne Street Underpass | 2-29 | | | | | **2,500** | | **2,500** |
| Dublin Avenue Bridge (Omand's Creek) | 2-30 | | | | **700** | **700** | **6,800** | **8,200** |
| Sherwin Road Bridge (Omand's Creek) | 2-31 | | | | | **700** | **2,800** | **3,500** |
| Pembina Highway Overpass (Bishop Grandin) Rehabilitation | 2-32 | | | | | | **1,000** | **1,000** |
| Waterway Crossing and Grade Separations - Annual Program | 2-33 | **3,000** | **3,000** | **3,000** | **3,000** | **3,000** | **3,000** | **18,000** |
| Asset Management System - Various Divisions | 2-39 | | | **100** | **100** | **100** | **100** | **400** |
| ***Assessment and Taxation*** | | | | | | | | |
| Local Improvements - Ongoing Program | 2-159 | **3,000** | **3,000** | **3,000** | **3,000** | **3,000** | **3,000** | **18,000** |
| ***Total Roadway Construction and Maintenance*** | | **122,342** | **125,947** | **136,280** | **147,478** | **141,059** | **153,826** | **826,932** |

| CAPITAL PROJECTS SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **Transportation Planning and Traffic Management** | | | | | | | | |
| ***Public Works*** | | | | | | | | |
| Transportation Master Plan | 2-7 | **250** | **250** | **250** | **250** | **250** | **250** | **1,500** |
| Transportation Management Centre (TMC) | 2-8 | **2,000** | **1,000** | | | | | **3,000** |
| Traffic Signals Improvements | 2-9 | **1,030** | **1,030** | **1,030** | **1,030** | **1,030** | **150** | **5,300** |
| Traffic Signals Loops | 2-10 | **400** | **250** | **250** | **250** | **250** | **250** | **1,650** |
| Traffic Signals Gel Covers | 2-11 | **550** | | | | | | **550** |
| Traffic Engineering Improvements - Various Locations | 2-12 | **1,800** | **1,900** | **1,900** | **1,900** | **1,900** | **1,900** | **11,300** |
| Installation of Traffic Signals at the Intersection of Jefferson Avenue and Adsum Drive | 2-13 | **525** | | | | | | **525** |
| CPR Yards Functional Crossing Study - between McPhillips Street and Main Street | 2-23 | | **2,000** | | | | | **2,000** |
| Land Acquisition - Transportation Right of Way | 2-41 | **300** | **300** | **300** | **300** | **300** | **300** | **1,800** |
| ***Total Transportation Planning and Traffic Management*** | | **6,855** | **6,730** | **3,730** | **3,730** | **3,730** | **2,850** | **27,625** |
| **City Beautification** | | | | | | | | |
| ***Planning, Property and Development*** | | | | | | | | |
| Downtown Enhancement Program | 2-106 | **400** | **400** | **400** | **400** | **400** | **400** | **2,400** |
| BIZ Zones, Image Routes and Neighbourhood Main Streets | 2-108 | **400** | **400** | **400** | **400** | **400** | **400** | **2,400** |
| Public Art Strategy | 2-109 | **500** | **500** | **500** | **500** | **500** | **500** | **3,000** |
| ***Total City Beautification*** | | **1,300** | **1,300** | **1,300** | **1,300** | **1,300** | **1,300** | **7,800** |
| **Land Drainage and Flood Control** | | | | | | | | |
| ***Public Works*** | | | | | | | | |
| Land Drainage Sewers - Regional / Local Streets | 2-40 | **2,500** | **1,300** | **1,300** | **1,300** | **1,300** | **300** | **8,000** |
| ***Water and Waste*** | | | | | | | | |
| Flood Pumping Station Rehabilitation | 2-168 | **1,500** | **1,000** | **1,000** | **1,000** | **1,000** | **1,000** | **6,500** |
| Land Drainage and Combined Sewers Outfall Gate Structures | 2-169 | **1,300** | **2,400** | **2,400** | **2,000** | | | **8,100** |
| Seine River Waterway Acquisition | 2-170 | **150** | **150** | **150** | **150** | **150** | **150** | **900** |
| Flood Manual Upgrades | 2-171 | **300** | | | | | | **300** |
| Development Agreement Paybacks | 2-172 | **500** | **500** | **500** | **500** | | | **2,000** |
| Outfall Rehabilitation | 2-173 | **1,200** | **1,508** | **2,000** | **2,000** | **3,500** | **3,500** | **13,708** |
| Ravelston Deep Pond Landscaping | 2-174 | **370** | | | | | | **370** |
| Oversized Land Drainage Pipe to Service Future Almey Avenue | 2-175 | **275** | | | | | | **275** |
| ***Total Land Drainage and Flood Control*** | | **8,095** | **6,858** | **7,350** | **6,950** | **5,950** | **4,950** | **40,153** |

| CAPITAL PROJECTS SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **Parks and Urban Forestry** | | | | | | | | |
| ***Public Works*** | | | | | | | | |
| Reforestation - Improvements | 2-42 | **383** | **383** | **383** | **383** | **383** | **383** | **2,298** |
| Athletic Fields - Improvements | 2-43 | **124** | **200** | **200** | **200** | **200** | **200** | **1,124** |
| Parks - Improvements | 2-44 | **905** | **650** | **700** | **655** | **655** | **655** | **4,220** |
| Regional and Community Parks - Buildings | 2-45 | | **1,700** | **850** | **1,300** | **950** | **370** | **5,170** |
| Off Leash Dog Park Master Plan | 2-46 | | **100** | | | | | **100** |
| Hardsurface Upgrading | 2-47 | **150** | **150** | **150** | **150** | **150** | **150** | **900** |
| Parks and Recreation Enhancement Program | 2-48 | **2,800** | **3,300** | **3,300** | **3,300** | **3,300** | **3,300** | **19,300** |
| Urban Forest Enhancement Program | 2-50 | **1,300** | **1,300** | **1,300** | **1,300** | **1,300** | **1,300** | **7,800** |
| ***Planning, Property and Development*** | | | | | | | | |
| Riverbank Greenway Programs | 2-104 | **600** | **443** | **405** | **406** | **411** | **453** | **2,718** |
| Developer Payback | 2-111 | | **275** | **280** | **278** | **292** | **274** | **1,399** |
| Chornick Park Improvements - Phase Two | 2-112 | **520** | | | | | | **520** |
| Riverbank Stabilization - Physical Asset Protection | 2-113 | **1,400** | **1,000** | **1,000** | **1,000** | **1,000** | **1,038** | **6,438** |
| ***Total Parks and Urban Forestry*** | | **8,182** | **9,501** | **8,568** | **8,972** | **8,641** | **8,123** | **51,987** |
| **Public Transit** | | | | | | | | |
| ***Transit*** | | | | | | | | |
| Innovative Transit Program | 2-161 | **800** | **1,000** | **1,000** | **1,000** | **1,000** | **1,000** | **5,800** |
| Transit Building Replacement / Refurbishment - First charge on 2015 Capital Budget of up to $9.869 million (Council December 17, 2013) | 2-162 | **9,869** | **4,500** | **4,573** | **4,506** | **6,536** | **6,536** | **36,520** |
| Transit Buses | 2-164 | **16,767** | **27,297** | **23,252** | **24,889** | **32,420** | **28,282** | **152,907** |
| Rapid Transit Planning and Design | 2-167 | | **2,500** | | | | | **2,500** |
| ***Total Public Transit*** | | **27,436** | **35,297** | **28,825** | **30,395** | **39,956** | **35,818** | **197,727** |

| **CAPITAL PROJECTS SUMMARY** | **DETAIL** | **PRELIMINARY CAPITAL** | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ***SERVICE BASED VIEW*** | **PAGE** | **BUDGET** | **FORECAST** | | | | | **6 YEAR** |
| *(in Thousands of $)* | **NO.** | **2015** | **2016** | **2017** | **2018** | **2019** | **2020** | **TOTAL** |
| **Water** | | | | | | | | |
| ***Water and Waste - Waterworks System*** | | | | | | | | |
| Shoal Lake Aqueduct and Falcon River Diversion Bridges | 2-176 | **2,000** | | | | | | **2,000** |
| Shoal Lake Aqueduct Asset Preservation | 2-177 | **1,900** | **1,900** | **1,500** | | | | **5,300** |
| Shoal Lake Aqueduct Intake Facility Rehabilitation | 2-178 | **3,109** | **3,881** | **400** | **1,900** | | **775** | **10,065** |
| Branch Aqueduct Condition Assessment and Rehabilitation | 2-179 | **500** | | | | | **1,000** | **1,500** |
| GWWD Railway Bridge Rehabilitation | 2-180 | **1,400** | | | | | | **1,400** |
| Deacon Site Flood Protection | 2-181 | **1,825** | | | | | | **1,825** |
| Tache Booster Pumping Station | 2-182 | | | | **2,600** | | | **2,600** |
| Pumping Stations Reliability Upgrades | 2-183 | **2,050** | **650** | | | | | **2,700** |
| Pumping Stations and Reservoirs Structural Upgrades | 2-184 | **5,225** | **7,300** | | **400** | | | **12,925** |
| Chlorination Upgrading at Pumping Stations | 2-185 | **425** | **2,750** | | | | | **3,175** |
| Water Supervisory Control and Data Acquisition (SCADA) Upgrade | 2-186 | **7,600** | **3,900** | | | | | **11,500** |
| Waterworks System Security Upgrades | 2-187 | **800** | **600** | **500** | | | | **1,900** |
| Regulatory Assessment of Water System Infrastructure and Supply Sources | 2-188 | | **450** | | | | | **450** |
| Water Treatment Research and Process Optimization Facility | 2-189 | **730** | | | | | | **730** |
| Water Conservation and Efficiency Study | 2-190 | **230** | | | | | | **230** |
| Watershed and Asset Protection Considerations - First charge on 2015 Capital Budget of $1,000,000 (Council December 10, 2014) | 2-191 | **1,000** | | | | | | **1,000** |
| Water Treatment Plant Capacity Validation | 2-192 | | | | **150** | | | **150** |
| Branch 1 Aqueduct at Seine River - Riverbank Stabilization (East Side) | 2-193 | **950** | **1,450** | | | | | **2,400** |
| Study of Natural Gas Powered Backup Pumps for Hurst Pumping Station | 2-194 | | | | **400** | | | **400** |
| Deacon Reservoir Cell Rehabilitation | 2-195 | **875** | **475** | | | | | **1,350** |
| Deacon Booster Pumping Station Suction Header Divider Wall and Valve | 2-196 | **1,000** | | | | | | **1,000** |
| HVAC Upgrades at Pumping Stations | 2-197 | **4,900** | | | | | | **4,900** |
| Water Treatment Plant - Projects and Review | 2-198 | **700** | | | | | | **700** |
| Saskatchewan Avenue Watermain | 2-199 | | **4,600** | | | | | **4,600** |
| North Kildonan Feedermain River Crossing Replacement / Rehabilitation - First charge on 2015 Capital Budget of $2,500,000 (Council December 10, 2014) | 2-200 | **2,500** | | | | | | **2,500** |
| Feedermain Condition Assessment and Rehabilitation | 2-201 | **1,000** | **2,000** | **2,000** | **2,000** | **750** | **1,500** | **9,250** |
| Water and Waste Department GIS Enhancement Program | 2-202 | **100** | | | | | | **100** |
| Laboratory Information Management System Upgrade | 2-203 | **500** | | | | | | **500** |
| Building Renovations - 1199 Pacific Avenue | 2-204 | | | | | **55** | | **55** |
| Transcona Watermain Reliability Upgrade | 2-205 | **5,000** | | | | | | **5,000** |
| Online Distribution Water Quality Monitoring Pilot System | 2-206 | **350** | | | | | | **350** |
| Frozen Water Services Management System | 2-207 | **515** | | | | | | **515** |
| Watermain Renewals | 2-208 | **17,000** | **18,000** | **18,500** | **18,500** | **19,000** | **19,500** | **110,500** |
| ***Total Water*** | | **64,184** | **47,956** | **22,900** | **25,950** | **19,805** | **22,775** | **203,570** |

| CAPITAL PROJECTS SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **Wastewater**<br>***Water and Waste - Sewage Disposal*** | | | | | | | | |
| Biosolids - Alternative Disposal Delivery and Management System | 2-209 | **20,000** | **182,500** | **22,000** | | | | **224,500** |
| Wastewater System Security Upgrades | 2-210 | | | | **500** | **500** | **500** | **1,500** |
| NEWPCC - Nutrient Removal / Upgrade | 2-211 | **100,000** | **426,156** | | | | | **526,156** |
| South End Water Pollution Control Centre (SEWPCC) - Nutrient Removal / Expansion | 2-212 | **88,350** | | | | | | **88,350** |
| West End Water Pollution Control Centre (WEWPCC) - Settling Improvement | 2-213 | **500** | | | | | | **500** |
| Water Pollution Control Centres (WPCC) - Distributed Control System (DCS) and Human Machine Interface (HMI) Upgrades | 2-214 | **3,000** | | | | | | **3,000** |
| WPCC - Asset Refurbishment and Replacement Project | 2-215 | **5,000** | **5,000** | **5,000** | **2,000** | **2,000** | **2,000** | **21,000** |
| WPCC - Re-roofing | 2-216 | **475** | | | | | | **475** |
| Arc Flash Hazard Analysis and Remediation | 2-217 | **1,110** | **1,127** | **367** | | | | **2,604** |
| Lift Stations Upgrading | 2-218 | **2,000** | **2,200** | **2,332** | **2,471** | **2,620** | **2,700** | **14,323** |
| Fernbank Interceptor | 2-219 | | | | | | **8,800** | **8,800** |
| Warde Interceptor Extension - First charge on 2015 Capital Budget of $3,500,000 (Council December 10, 2014) | 2-220 | **3,500** | | | | | | **3,500** |
| Plessis Road Interceptor | 2-221 | | | **7,300** | | | | **7,300** |
| Kenaston Boulevard Interceptor | 2-222 | | | **5,300** | | | | **5,300** |
| Laboratory Information Management System Upgrade | 2-223 | **500** | | | | | | **500** |
| Building Renovations - 1199 Pacific Avenue | 2-224 | | | | | **55** | | **55** |
| Combined Sewer Overflow and Basement Flood Management Strategy | 2-225 | **17,881** | **14,430** | **31,900** | **44,648** | **21,300** | **22,618** | **152,777** |
| Comminutor Chamber Rehabilitation Program | 2-226 | **1,750** | **1,000** | **1,100** | **1,100** | **1,200** | | **6,150** |
| 360 McPhillips Equipment Storage Facility | 2-227 | **135** | | | | | | **135** |
| Northeast Interceptor River Crossing Upgrade | 2-228 | **1,500** | **11,000** | | | | | **12,500** |
| Southwest Interceptor River Crossing | 2-229 | | | | **200** | **1,800** | **13,000** | **15,000** |
| D'Arcy Lift Station Load Shedding Upgrade | 2-230 | | **400** | | | | | **400** |
| Sewer Renewals - First charge on 2015 Capital Budget of $2,500,000 (Council December 10, 2014) | 2-231 | **16,100** | **16,900** | **17,800** | **18,200** | **19,500** | **20,500** | **109,000** |
| ***Total Wastewater*** | | **261,801** | **660,713** | **93,099** | **69,119** | **48,975** | **70,118** | **1,203,825** |

| **CAPITAL PROJECTS SUMMARY** | **DETAIL** | **PRELIMINARY CAPITAL** | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ***SERVICE BASED VIEW*** | **PAGE** | **BUDGET** | **FORECAST** | | | | | **6 YEAR** |
| *(in Thousands of $)* | **NO.** | **2015** | **2016** | **2017** | **2018** | **2019** | **2020** | **TOTAL** |
| **Solid Waste Disposal** | | | | | | | | |
| ***Water and Waste - Solid Waste*** | | | | | | | | |
| Brady Road Resource Management Facility - Cell Construction - Phase 1 (formerly Brady Road Resource Management Facility - Cell Excavation) | 2-232 | **550** | **2,600** | **2,100** | **2,200** | **2,300** | | **9,750** |
| Brady Road Resource Management Facility - Cell Construction - Phase 2 | 2-233 | | | | | **650** | **3,350** | **4,000** |
| Brady Road Resource Management Facility - Drainage, Roadways and Site Improvements | 2-234 | **770** | **600** | **400** | | | | **1,770** |
| Brady Road Resource Management Facility - Landfill Gas Capture Expansion - Phase 2 | 2-235 | | **1,600** | | **1,800** | | | **3,400** |
| Brady Road Resource Management Facility - Master Plan Development | 2-236 | **400** | | | | | | **400** |
| Summit Landfill Closure / Post-Closure | 2-237 | **330** | | | | | | **330** |
| ***Total Solid Waste Disposal*** | | **2,050** | **4,800** | **2,500** | **4,000** | **2,950** | **3,350** | **19,650** |
| **Recycling and Waste Diversion** | | | | | | | | |
| ***Water and Waste - Solid Waste*** | | | | | | | | |
| Comprehensive Integrated Waste Management Strategy (CIWMS) - 4R Winnipeg Depots (Community Resource Recovery Centres) | 2-238 | **800** | **400** | **4,750** | | | | **5,950** |
| CIWMS - Material Recycling Facility | 2-239 | **1,000** | | | | | | **1,000** |
| ***Total Recycling and Waste Minimization*** | | **1,800** | **400** | **4,750** | | | | **6,950** |
| **TOTAL INFRASTRUCTURE RENEWAL AND PUBLIC WORKS** | | **504,045** | **899,502** | **309,302** | **297,894** | **272,366** | **303,110** | **2,586,219** |

| CAPITAL PROJECTS SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **PROTECTION AND COMMUNITY SERVICES** | | | | | | | | |
| **Police Response** | | | | | | | | |
| ***Winnipeg Police Service*** | | | | | | | | |
| Trunk Radio System | 2-73 | **2,000** | **5,280** | | | | | **7,280** |
| North Station Information Technology Requirements | 2-74 | | **490** | | | | | **490** |
| Police Divisions Systems Upgrades | 2-75 | **2,986** | **1,400** | | | | | **4,386** |
| Radio Upgrade for Districts 3 and 4 | 2-76 | | **490** | | | | | **490** |
| Mobile and Transient Users | 2-77 | | **250** | | | | | **250** |
| Major Case Management System Expansion | 2-78 | | **1,158** | | | **500** | | **1,658** |
| Officer Mobile Video System | 2-79 | | | **1,000** | | | | **1,000** |
| Police Headquarters Building Systems Safeguards | 2-80 | **1,700** | | **1,000** | | | | **2,700** |
| Electronic Ticketing | 2-81 | **500** | | | | | | **500** |
| North District Police Station | 2-83 | | | **20,188** | | | | **20,188** |
| Building Video Surveillance Systems | 2-85 | | | | **4,160** | | | **4,160** |
| Intelligence Led Reporting (Phase 2) | 2-86 | | | | **1,050** | | | **1,050** |
| WPS Data Integration, Auditing and Quality Solution Tool | 2-87 | | | | **662** | | | **662** |
| Automated Fingerprint Identification System (AFIS) | 2-88 | | | | | **500** | | **500** |
| Technology Upgrades - Information Systems | 2-89 | | | | | **1,200** | | **1,200** |
| In Car Computing | 2-90 | | | | | **1,200** | | **1,200** |
| Bomb Unit Truck Replacement | 2-91 | | | | | **300** | | **300** |
| Fire Suppression System | 2-92 | | | | | **767** | | **767** |
| Next Generation 911 | 2-93 | | | | | | **800** | **800** |
| Communication Centre Back Up Site Upgrade | 2-94 | | | | | | **400** | **400** |
| Mobile Radio Replacement | 2-95 | | | | | | **6,400** | **6,400** |
| River Patrol Building | 2-96 | | | | | | **1,820** | **1,820** |
| ***Total Police Response*** | | **7,186** | **9,068** | **22,188** | **5,872** | **4,467** | **9,420** | **58,201** |
| **Fire and Rescue Response** | | | | | | | | |
| ***Fire Paramedic Service*** | | | | | | | | |
| Facilities Replacement, Relocation and Enhancement Program - First charge for the Next Generation 911 project on 2015 Capital Budget of up to $585,400 (Council September 24, 2014) | 2-97 | **1,477** | **3,120** | **1,268** | **3,225** | **6,339** | **4,169** | **19,598** |
| Replacement Radio System | 2-98 | **2,000** | **4,000** | | | | | **6,000** |
| Equipment Obsolescence | 2-99 | | **445** | **3,457** | | | | **3,902** |
| 911 Call Centre Resilience | 2-100 | **735** | | **160** | **215** | | | **1,110** |
| Computer Aided Dispatch (CAD) | 2-101 | **200** | **3,852** | **2,080** | | | | **6,132** |
| Station Capital Maintenance | 2-102 | **881** | **1,302** | **2,095** | **2,852** | **1,270** | **6,865** | **15,265** |
| ***Total Fire and Rescue Response*** | | **5,293** | **12,719** | **9,060** | **6,292** | **7,609** | **11,034** | **52,007** |

| **CAPITAL PROJECTS SUMMARY** | **DETAIL** | **PRELIMINARY CAPITAL** | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ***SERVICE BASED VIEW*** | **PAGE** | **BUDGET** | **FORECAST** | | | | | **6 YEAR** |
| *(in Thousands of $)* | **NO.** | **2015** | **2016** | **2017** | **2018** | **2019** | **2020** | **TOTAL** |
| **Recreation** | | | | | | | | |
| ***Community Services*** | | | | | | | | |
| Recreational Facility Safety, Security and Accessibility Improvements Program | 2-61 | **150** | **153** | **156** | **159** | **162** | **165** | **945** |
| Business Application Systems | 2-63 | | | **250** | **306** | **312** | | **868** |
| Recreation Equipment Program | 2-64 | **200** | | **608** | | **400** | | **1,208** |
| East Elmwood Leisure Centre Amenities and Equipment | 2-65 | **225** | **208** | | | | | **433** |
| Fitness Equipment Upgrade Program | 2-66 | | **239** | **222** | **233** | **227** | **230** | **1,151** |
| Technology Upgrade and Replacement Program | 2-67 | | | | **306** | | | **306** |
| Recreation Facility Replacement - New Infrastructure | 2-68 | | | **3,801** | | **7,062** | | **10,863** |
| Pan Am Pool | 2-69 | **1,000** | **1,400** | | | | | **2,400** |
| Community Centre Renovation Grant Program (CCRGP) - First charge on 2015 Capital Budget of $150,000 for the Transcona East End Community Club Arena Expansion Project (Council September 24, 2014) | 2-70 | **965** | **965** | **965** | **965** | **965** | **965** | **5,790** |
| ***Municipal Accommodations*** | | | | | | | | |
| Community Centres - Refurbishing and Improvements | 2-127 | **700** | **700** | **620** | **644** | **673** | **667** | **4,004** |
| Arenas | 2-128 | **725** | **525** | **325** | **525** | **525** | **565** | **3,190** |
| Indoor Aquatic Facilities | 2-129 | **1,760** | **1,200** | **2,230** | **2,470** | **2,518** | **2,516** | **12,694** |
| Pan Am Pool - Boiler System Replacement | 2-130 | **770** | **770** | | | | | **1,540** |
| Pan Am Indoor Pool - Parking Lot Refurbishment | 2-131 | | **560** | **301** | | | | **861** |
| Seven Oaks Indoor Pool - Renewal Plan | 2-132 | **3,729** | | | | | | **3,729** |
| Outdoor Aquatic Facilities | 2-133 | **330** | **350** | **342** | **340** | **338** | **340** | **2,040** |
| Community Facilities | 2-134 | **200** | **200** | **200** | **260** | **212** | **214** | **1,286** |
| UFF - Hockey Pen Light Standard Replacement | 2-136 | **100** | **100** | **100** | **100** | **100** | **100** | **600** |
| St. James Civic Centre | 2-138 | | **900** | **936** | **1,040** | **1,040** | | **3,916** |
| Sherbrook Pool Reopening | 2-141 | **1,952** | | | | | | **1,952** |
| ***Total Recreation*** | | **12,806** | **8,270** | **11,056** | **7,348** | **14,534** | **5,762** | **59,776** |

| CAPITAL PROJECTS SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **Libraries** | | | | | | | | |
| ***Community Services*** | | | | | | | | |
| Library Interior Infrastructure Replacement Program | 2-52 | **100** | **200** | **300** | **306** | **312** | **318** | **1,536** |
| Library Facility Redevelopment - River Heights Library | 2-53 | **500** | **5,060** | | | | | **5,560** |
| Library Facility Redevelopment - Westwood Library | 2-54 | | | **1,468** | | | | **1,468** |
| Library Facility Redevelopment - St. James Library | 2-55 | | | | **6,492** | | | **6,492** |
| Library Refurbishment and Redevelopment Program - Existing Infrastructure | 2-56 | | **500** | **500** | **510** | **520** | **530** | **2,560** |
| Millennium Library "Maker Space" Project | 2-57 | | | | | **562** | | **562** |
| Library Refurbishment and Redevelopment Program - Existing Infrastructure: Cornish Library | 2-58 | **2,250** | | | | | | **2,250** |
| Library Refurbishment and Redevelopment Program - Existing Infrastructure: St. John's Library | 2-59 | **2,250** | | | | | | **2,250** |
| Library Technology Upgrade and Replacement Program | 2-60 | **500** | **500** | **500** | **510** | **520** | **530** | **3,060** |
| Library Facility Safety, Security and Accessibility Improvements Program | 2-62 | **200** | **306** | **312** | **318** | **324** | **330** | **1,790** |
| ***Total Libraries*** | | **5,800** | **6,566** | **3,080** | **8,136** | **2,238** | **1,708** | **27,528** |
| **Arts, Entertainment and Culture** | | | | | | | | |
| ***Community Services*** | | | | | | | | |
| Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability - First charge on 2015 Capital Budget of up to $2.082 million (Council December 17, 2013) | 2-71 | **5,123** | **5,123** | **5,123** | **5,123** | **5,123** | **2,000** | **27,615** |
| Assiniboine Park Conservancy (APC) - Capital Development Plan - First charge on 2015 Capital Budget of up to $4.5 million (Council June 25, 2014) | 2-72 | **5,700** | | | | | | **5,700** |
| ***City Clerks*** | | | | | | | | |
| 2017 Canada Summer Games | 2-146 | **750** | **750** | **750** | | | | **2,250** |
| ***Total Arts, Entertainment and Culture*** | | **11,573** | **5,873** | **5,873** | **5,123** | **5,123** | **2,000** | **35,565** |
| **Insect Control** | | | | | | | | |
| ***Public Works*** | | | | | | | | |
| Insect Control - Replace 3 Grey Street Operations Building | 2-49 | **300** | | **732** | | | | **1,032** |
| ***Total Insect Control*** | | **300** | | **732** | | | | **1,032** |
| **TOTAL PROTECTION AND COMMUNITY SERVICES** | | **42,958** | **42,496** | **51,989** | **32,771** | **33,971** | **29,924** | **234,109** |

| CAPITAL PROJECTS SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **PROPERTY AND DEVELOPMENT** | | | | | | | | |
| **Neighbourhood Revitalization** | | | | | | | | |
| ***Community Services*** | | | | | | | | |
| Community Incentive Grant Program | 2-51 | **1,746** | **1,665** | **1,698** | **1,732** | **1,767** | **1,802** | **10,410** |
| ***Planning, Property and Development*** | | | | | | | | |
| Building Communities Initiative II, Phase Two | 2-115 | **1,300** | | | | | | **1,300** |
| Building Communities Initiative III | 2-116 | | **2,100** | **2,120** | **2,000** | **3,780** | | **10,000** |
| ***Municipal Accommodations*** | | | | | | | | |
| City-Wide Accessibility Program | 2-137 | **350** | **350** | **350** | **350** | **350** | **350** | **2,100** |
| ***Total Neighourhood Revitalization*** | | **3,396** | **4,115** | **4,168** | **4,082** | **5,897** | **2,152** | **23,810** |
| **Heritage Conservation** | | | | | | | | |
| ***Municipal Accommodations*** | | | | | | | | |
| Historic Buildings | 2-124 | **200** | **200** | **200** | **270** | **214** | **217** | **1,301** |
| ***City Clerks*** | | | | | | | | |
| Corporate Records Centre | 2-143 | | | **150** | | | | **150** |
| ***Total Heritage Conservation*** | | **200** | **200** | **350** | **270** | **214** | **217** | **1,451** |
| **Cemeteries** | | | | | | | | |
| ***Planning, Property and Development*** | | | | | | | | |
| Cemeteries - Improvements | 2-105 | **410** | **382** | **408** | **400** | **390** | **398** | **2,388** |
| ***Total Cemeteries*** | | **410** | **382** | **408** | **400** | **390** | **398** | **2,388** |
| **Property Asset Management - Tax Supported** | | | | | | | | |
| ***Planning, Property and Development*** | | | | | | | | |
| Computer Automation | 2-103 | | **200** | **120** | **144** | **133** | **119** | **716** |
| Land Acquisition for General Unspecified Purposes | 2-110 | **150** | **150** | **300** | **240** | **228** | **274** | **1,342** |
| ***Total Property Asset Management - Tax Supported*** | | **150** | **350** | **420** | **384** | **361** | **393** | **2,058** |

| CAPITAL PROJECTS SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | 2017 | 2018 | 2019 | 2020 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **Property Asset Management - Municipal Accommodations** | | | | | | | | |
| ***Municipal Accommodations*** | | | | | | | | |
| General Building Renovation and Refurbishing | 2-117 | | 125 | 500 | 500 | 500 | 500 | 2,125 |
| Accommodation Facilities | 2-118 | 1,550 | | 951 | 1,994 | 1,863 | 1,889 | 8,247 |
| St. Vital Library - Building System Refurbishment | 2-119 | 850 | | | | | | 850 |
| Millennium Library - HVAC and Temperature Control Improvements | 2-120 | 200 | 1,239 | | | | | 1,439 |
| Fire / Life Safety / Regulatory Upgrades | 2-121 | 275 | | 710 | 720 | 759 | 708 | 3,172 |
| Energy Conservation | 2-122 | 100 | 100 | 150 | 140 | 158 | 130 | 778 |
| Tenant Improvement Prepayment - Major Department | 2-123 | 200 | 200 | 180 | 193 | 155 | 186 | 1,114 |
| Generator Set Replacement and Upgrades | 2-125 | | | 200 | 167 | 113 | 136 | 616 |
| Security / Building Automation System Initiatives | 2-126 | 225 | 140 | 188 | 201 | 196 | 190 | 1,140 |
| Building Asset / Work Management Program | 2-135 | 200 | 162 | 152 | 163 | 175 | 170 | 1,022 |
| City Hall - Building Refurbishment | 2-139 | 450 | 1,000 | 1,000 | | | | 2,450 |
| ***Total Property Asset Management - Municipal Accommodations*** | | 4,050 | 2,966 | 4,031 | 4,078 | 3,919 | 3,909 | 22,953 |
| **TOTAL PROPERTY AND DEVELOPMENT** | | 8,206 | 8,013 | 9,377 | 9,214 | 10,781 | 7,069 | 52,660 |
| **EXECUTIVE POLICY** | | | | | | | | |
| **Organizational Support Services** | | | | | | | | |
| ***Corporate Support Services*** | | | | | | | | |
| PeopleSoft Upgrade | 2-147 | 200 | 500 | 1,800 | 1,000 | | | 3,500 |
| Communications Network Infrastructure | 2-148 | 275 | 125 | 375 | 630 | 315 | 355 | 2,075 |
| Enterprise Computing Initiatives | 2-149 | 1,115 | 1,646 | 1,150 | 801 | 854 | 1,149 | 6,715 |
| Aerial Imagery Renewal Program | 2-150 | | 150 | | 165 | | 190 | 505 |
| Software Renewal Program | 2-151 | 70 | 157 | | | 157 | | 384 |
| Data Warehouse / Business Intelligence | 2-152 | 218 | | | 150 | 175 | 175 | 718 |
| 311 Renewal | 2-153 | 250 | 100 | 450 | 250 | 100 | 450 | 1,600 |
| Teraspan Fibre Ring Renewal | 2-154 | 635 | 119 | | | | | 754 |
| Infrastructure Service Enhancements | 2-155 | | 150 | 50 | | 50 | | 250 |
| Enterprise Content Management (formerly Document Management) | 2-156 | 275 | | | | | | 275 |
| Candidate Gateway | 2-157 | 203 | 721 | 218 | | | | 1,142 |
| ***Other Projects*** | | | | | | | | |
| Study for City-Wide Project Management IT Solution | 2-160 | 300 | | | | | | 300 |
| ***Total Organizational Support Services*** | | 3,541 | 3,668 | 4,043 | 2,996 | 1,651 | 2,319 | 18,218 |

| CAPITAL PROJECTS SUMMARY<br>*SERVICE BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2015 | FORECAST 2016 | FORECAST 2017 | FORECAST 2018 | FORECAST 2019 | FORECAST 2020 | 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **Assessment, Taxation and Corporate** | | | | | | | | |
| ***Assessment and Taxation*** | | | | | | | | |
| Assessment Automation | 2-158 | **750** | | **870** | **320** | **350** | **200** | **2,490** |
| ***Total Assessment, Taxation and Corporate*** | | **750** | | **870** | **320** | **350** | **200** | **2,490** |
| **Council Services** | | | | | | | | |
| ***City Clerks*** | | | | | | | | |
| Innovation Capital Fund | 2-142 | **1,000** | | | | | | **1,000** |
| Election Systems | 2-144 | | | **200** | **200** | | | **400** |
| Decision Making Information System (DMIS) Replacement | 2-145 | | | | **250** | | | **250** |
| ***Total Council Services*** | | **1,000** | | **200** | **450** | | | **1,650** |
| **TOTAL EXECUTIVE POLICY** | | **5,291** | **3,668** | **5,113** | **3,766** | **2,001** | **2,519** | **22,358** |
| **TOTAL CAPITAL PROGRAM - SERVICE BASED VIEW** | | **560,500** | **953,679** | **375,781** | **343,645** | **319,119** | **342,622** | **2,895,346** |

Back to Table of Contents

# City of Winnipeg
# Cost Estimate Classification System

Feb 2015

| Estimation Classification* | Project Definition | Project Definition % Complete | Accuracy of Cost Estimate |
|---|---|---|---|
| Class 1 | Detail Design Drawing and Specification Complete, Pre-Tender Estimate | ~90% - 95% | -5% to +10% |
| Class 2 | Design Development in progress | ~60% | -10% to +20% |
| **Class 3** | **Preliminary Design, for Budget Authorization** | **~30%** | **-20% to +30%** |
| Class 4 | Feasibility Study | ~10% | -30% to +60% |
| Class 5 | Concept Screening, Rough Order of Magnitude Estimate | ~1% | -50% to +100% |
| Scalable | Project/Program scope can be adjusted to fit the Budget | N/A | N/A |

## Cost Estimate Class Descriptions

| | |
|---|---|
| Class 1 | Estimates prepared based on completed detail design documentation (plans and specifications) as well as complete project delivery plans. At pre-tender estimate stage. |
| 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 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 4 | Estimates prepared based on limited information with some engineering work completed and preliminary scope determination. |
| Class 5 | Rough estimate prepared based on very limited information with no engineering work completed. Used to make an assessment of initial viability and for long range capital planning. |
| Scalable | Scalable projects/programs will be sized according to the final budget authorization. |

* Determined using the Association for the Advancement of Cost Engineering (AACE) International Recommended Practices 17R-97, 18R-97 & 56R-08

** City Auditor has recommended that a Class 3 estimate is prepared one year in advance of construction

Back to Table of Contents



# Public Private Partnership Payments as a Percentage of Cash to Capital/Gas Tax

| (In thousands of dollars) | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|---|---|---|---|---|---|---|
| **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 | 18,480 | 18,400 | 18,325 | 18,250 | 14,900 | 13,200 |
| 3 Chief Peguis Trail - Henderson to Lagimodiere | 7,105 | 7,150 | 7,185 | 7,230 | 7,270 | 7,315 |
| 4 East District Police Station | 990 | 990 | 990 | 1,012 | 1,056 | 1,056 |
| Total | $ 28,053 | $ 28,018 | $ 27,978 | $ 27,970 | $ 24,704 | $ 23,049 |
| Less Manitoba Winnipeg Infrastructure Fund (2010 - 2019) | (5,000) | (5,000) | (5,000) | (5,000) | (5,000) | - |
| **Net Public Private Partnership Payments** | **$ 23,053** | **$ 23,018** | **$ 22,978** | **$ 22,970** | **$ 19,704** | **$ 23,049** |
| | | | | | | |
| **Financing Sources:** | | | | | | |
| 1 Cash to Capital | $ 81,978 | $ 88,478 | $ 90,478 | $ 92,978 | $ 93,478 | $ 95,478 |
| 2 Federal Gas Tax | 40,886 | 41,950 | 41,950 | 43,948 | 43,948 | 43,948 |
| **Total Cash to Capital and Gas Tax** | **$ 122,864** | **$ 130,428** | **$ 132,428** | **$ 136,926** | **$ 137,426** | **$ 139,426** |
| | | | | | | |
| **Payments as a Percentage of Cash to Capital and Gas Tax** | **18.76%** | **17.65%** | **17.35%** | **16.78%** | **14.34%** | **16.53%** |

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.

3 The Province of Manitoba announced an additional $53.3 million over a ten-year period for roads funding to the City of Winnipeg, amending its contribution to the City under the Manitoba-Winnipeg Infrastructure Fund.

4 The “Southwest Transitway - (Stage 2) and Pembina Highway Underpass” capital project was approved by Council on June 25, 2014. The City and the Province of Manitoba has committed up to $225 million each toward this project. On February 9, 2015, PPP Canada announced its funding contribution of $137.3 million. P3 Annual Service / Financing Payments of $22.050 million ($19.75 million city share and $2.3 million provincial share) is included in the 2020 Capital Budget. As this is a Utility and Other project, it will not impact this Public Private Partnership Payments calculation.

**Appendix 4**

Back to Table of Contents

# Transfers from Other Capital Accounts / Surplus Capital

| Source (From) | | Capital Project (To) | 2015 | 2017 |
|---|---|---|---|---|
| | ($000's) | | ($000's) | |
| Federal Gas Tax - prior years' surplus | $ 472 | Regional and Local Street Renewal | $ 472 | $ - |
| 2014 Dutch Elm Disease (DED) Strategy | 1,300 | Urban Forest Enhancement Program | 1,300 | - |
| 2008 and 2009 Community Incentive Grant Program | 114 | Community Incentive Grant Program | 114 | - |
| 2013 Communication New Phone System | 500 | Electronic Ticketing | 500 | - |
| 2013 Computer Assister Dispatch | 800 | Police Headquarter Building Systems Safeguards | 1,700 | 1,000 |
| 2014 Police Communication Centre | 200 | | | |
| 2014 Police System Upgrade Other | 450 | | | |
| 2014 Police Computer Upgrades | 522 | | | |
| 2013 Communication New Phone System | 500 | | | |
| 2013 Police Divisions Systems Upgrades | 228 | | | |
| | 2,700 | | | |
| 2013 Data Warehouse / Business Intelligence | 169 | Data Warehouse / Business Intelligence | 218 | - |
| 2014 Data Warehouse / Business Intelligence | 578 | Teraspan Fibre Ring Renewal | 529 | - |
| | 747 | | 747 | |
| 2012 Seine River Waterway Acquisition | 150 | Seine River Waterway Acquisition | 150 | - |
| Water Treatment Plant from previously approved capital budgets | 700 | Water Treatment Plant - Projects and Review | 700 | - |
| **Total Transfers from Other Capital Accounts / Surplus Capital** | | | **$ 5,683** | **$ 1,000** |
| Inkster Boulevard - Keewatin Street to Brookside Boulevard | $ 4,473 | Local Street Renewal Program | 6,200 | - |
| Jubilee Avenue Overpass | 1,722 | | | |
| **Total Prior Year Surplus - Provincial Funding for Road Improvements** | $ 6,195 | | **$ 6,200** | **$ -** |
| **GRAND TOTAL** | | | **$ 11,883** | **$ 1,000** |

Note: There are no transfers from other capital accounts / surplus capital allocated to the 2016 Capital Budget.

Back to Table of Contents

**Appendix 5A**

# Transfer to Capital Reconciliation

| Departments | 2014 Adopted Budget | 2015 Preliminary Budget | Variance |
|---|---|---|---|
| Winnipeg Police Service | $ 4,143,000 | $ 4,986,000 | $ 843,000 |
| Public Works | 24,387,000 | 31,131,000 | 6,744,000 |
| Fire Paramedic Service | - | 3,348,000 | 3,348,000 |
| Community Services | 18,574,000 | 13,204,000 | (5,370,000) |
| Planning, Property and Development | 4,680,000 | 2,856,000 | (1,824,000) |
| Water and Waste (Land Drainage) | 4,298,000 | 4,945,000 | 647,000 |
| Corporate Support Services | 1,961,000 | 2,494,000 | 533,000 |
| Assessment and Taxation/Local Improvements | 400,000 | 1,350,000 | 950,000 |
| Corporate Finance | 250,000 | 300,000 | 50,000 |
| City Clerks | 2,450,000 | 1,750,000 | (700,000) |
| Corporate | 345,808 | 970,995 | 625,187 |
| **Total tax supported** | **$ 61,488,808** | **$ 67,334,995** | **$ 5,846,187** |
| Transit | 4,088,182 | 4,170,995 | 82,813 |
| Municipal Accommodations (Note 1) | 9,901,010 | 10,472,010 | 571,000 |
| **Total City (Note 4)** | **$ 75,478,000** | **$ 81,978,000** | **$ 6,500,000** |
| Corporate - Savings from capital closure | (750,000) | (5,500,000) | (4,750,000) |
| **TOTAL TRANSFER TO CAPITAL** | **$ 74,728,000** | **$ 76,478,000** | **$ 1,750,000** |

**Notes:**

1. Municipal Accommodations' 2014 adopted budget and 2015 preliminary budget reflect internal financing interest on a portion of the Police Headquarters which is included in the transfer to capital totals in an amount of $569,010.

2. 2014 transfers to capital are based on the 2014 Adopted Capital Budget. 2015 transfers to capital are based on the 2015 Preliminary Capital Budget adjusted for assumed provincial funding.

3. Public Works transfer to capital does not include transfers to the regional and local streets reserves (2014 - $13.9 million and 2015 - $23.7 million, with a 2015 over 2014 variance of $9.8 million).

4. Cash to capital increased by $6.5 million from 2014 to 2015. This incremental cash to capital is transferred to the Regional Street Renewal capital program.

**Appendix 5B**

Back to Table of Contents

# 2015 Operating Budget Reconciliation
# Variances Net of Transfer to Capital/Regional and Local Street Renewal Reserves
## *Tax Supported Summary*

| | 2014 Adopted Budget | 2015 Preliminary Budget | Transfer to Capital/Reserves Variance | Other Variances |
|---|---|---|---|---|
| **Revenue:** | | | | |
| Property tax | $ 510,568,689 | **$ 529,168,124** | | $ 18,599,435 |
| Business tax | 59,687,963 | **58,365,865** | | (1,322,098) |
| Other taxation | 25,390,000 | **24,290,000** | | (1,100,000) |
| Street renewal frontage levy | 41,730,520 | **49,128,960** | | 7,398,440 |
| Government grants | 113,763,142 | **118,289,927** | | 4,526,785 |
| Regulation fees | 43,227,330 | **45,328,657** | | 2,101,327 |
| Sale of goods and services | 64,485,880 | **59,008,364** | | (5,477,516) |
| Interest | 11,228,302 | **13,386,865** | | 2,158,563 |
| Transfers from other funds | 56,787,599 | **45,779,029** | | (11,008,570) |
| Other | 42,315,036 | **51,351,508** | | 9,036,472 |
| **Total Revenue** | **$ 969,184,461** | **$ 994,097,299** | **$ -** | **$ 24,912,838** |
| | | | | |
| **Expenditures:** | | | | |
| Departmental: | | | | |
| Police Service | $ 259,112,628 | **$ 263,977,645** | $ 843,000 | $ 4,022,017 |
| Public Works | 187,637,710 | **204,209,709** | 16,544,000 | 27,999 |
| Fire Paramedic Service | 167,800,798 | **178,321,417** | 3,348,000 | 7,172,619 |
| Community Services | 122,837,984 | **118,463,706** | (5,370,000) | 995,722 |
| Planning, Property and Development | 40,553,706 | **48,508,442** | (1,824,000) | 9,778,736 |
| Water and Waste | 31,110,163 | **30,923,306** | 647,000 | (833,857) |
| Street Lighting | 11,969,789 | **12,521,647** | - | 551,858 |
| Corporate Support Services | 33,038,447 | **34,091,807** | 533,000 | 520,360 |
| Assessment and Taxation | 19,622,940 | **20,519,895** | 950,000 | (53,045) |
| Corporate Finance | 9,310,351 | **9,129,967** | 50,000 | (230,384) |
| City Clerks | 13,465,416 | **12,947,687** | (700,000) | 182,271 |
| Other departments | 12,440,408 | **13,268,117** | | 827,709 |
| Sub-total Departmental | $ 908,900,340 | **$ 946,883,345** | $ 15,021,000 | $ 22,962,005 |
| Corporate: | | | | |
| Debt and finance charges | $ 2,569,128 | **$ 503,222** | | $ (2,065,906) |
| Taxes | 9,288,782 | **9,562,560** | | 273,778 |
| Insurance and damage claims | 3,832,000 | **3,410,650** | | (421,350) |
| Contribution to Transit | 47,443,479 | **47,349,724** | | (93,755) |
| Other | (2,849,268) | **(13,612,202)** | (4,124,813) | (6,638,121) |
| Sub-total Corporate | $ 60,284,121 | **$ 47,213,954** | $ (4,124,813) | $ (8,945,354) |
| **Total Expenditures** | **$ 969,184,461** | **$ 994,097,299** | **$ 10,896,187** | **$ 14,016,651** |

Back to Table of Contents



# Cash to Capital Surpluses - 2014 Capital Closing Review

| | 2014 |
|---|---|
| Total for tax supported departments | |
| Balance prior to 2014 Capital Review | $ 1,733,169 |
| Cash to capital surpluses from 2014 capital review (see detailed list on the following pages) | 4,052,308 |
| **Total Cash to Capital Surpluses after 2014 Capital Review** | **$ 5,785,477** |
| Use of Cash to Capital Surpluses | |
| Amount utilized to reduce transfer to General Capital Fund in the 2015 tax supported operating budget | $ 5,500,000 |
| Amount retained in Corporate (see note below) | 285,477 |
| **Total** | **$ 5,785,477** |

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.

## Appendix 5C

# Cash to Capital Surpluses - 2014 Capital Closing Review
# List of Projects Closed

| Project Name | Project Year | Surplus |
|---|---|---|
| ***Public Works*** | | |
| Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard | 2007 | $ 174,979 |
| Disraeli Bridge and Overpass Facility | 2008 | 902,420 |
| Osborne St Bridge (Assiniboine River) | 2009 | 135,197 |
| Recreational Walkways and Bike Paths | 2010 | 1,033 |
| Active Transportation Project | 2010 | 723,181 |
| Kenaston Boulevard - Academy Road to Taylor Avenue | 2011 | 1,185 |
| Developer Payback | 2011 | 39,742 |
| Asset Management System - Engineering | 2011 | 2,713 |
| Traffic Control Signals | 2011 | 251,857 |
| Athletic Fields - Improvements - St. Vital Park | 2011 | 7,749 |
| Parks - Improvements - Harborview Park | 2011 | 29,210 |
| Lawn Bowling Various Locations | 2011 | 43,215 |
| Harborview Recreation Center | 2011 | 32,189 |
| City Hall Courtyard | 2011 | 4,651 |
| Asset Management System - Traffic Signals | 2012 | 2 |
| Asset Management System - Engineering | 2012 | 84,266 |
| Land Acquisition - Transportation Right of Way | 2012 | 16,179 |
| Parks - Improvements - Whittier Park | 2012 | 32,396 |
| Strategic Municipal Infrastructure Research - Concrete Core Testing | 2013 | 6,895 |
| Strategic Municipal Infrastructure Research - Pavement Initiatives | 2013 | 510 |
| ***Total Public Works*** | | **2,489,569** |
| | | |
| ***Transit*** | | |
| Transportation Authority Study | 2009 | 18,958 |
| ***Total Transit*** | | **18,958** |

*continued on following page*

# Cash to Capital Surpluses - 2014 Capital Closing Review
## List of Projects Closed

| Project Name | Project Year | Surplus |
|---|---|---|
| ***Municipal Accommodations & Planning, Property and Development*** | | |
| Central Park Redevelopment | 2010 | 20,382 |
| Transcona Centennial Square | 2010 | 45,348 |
| Recreation and Leisure Facilities - Silver Heights/Sturgeon Creek | 2010 | 50,000 |
| Renovate and Refurbish Fort Garry Library | 2011 | 58,036 |
| Carnegie Library Building Upgrade | 2011 | 201,923 |
| Elevator Refurbishment - 510 Main Street | 2011 | 103,962 |
| Riverbank Greenway Programs | 2011 | 87,556 |
| Riverbank Stabilization - Physical Asset Protection* | 2011 | (92,586) |
| Indoor Aquatic Facilities - Accessibility upgrades - Margaret Grant, Elmwood-Kildonan, Pan-Am | 2011 | 25,453 |
| Land Acquisition for General Purposes | 2012 | 196,992 |
| Cemeteries - Improvements | 2012 | 14,161 |
| Fire / Life Safety / Regulatory Upgrades | 2012 | 14,225 |
| East Yard Complex Development | 2012 | 165,849 |
| Energy Conservation | 2012 | 277,499 |
| Historic Buildings | 2012 | 4,386 |
| Security / Building Automation System Initiatives | 2012 | 1,527 |
| South District Police Station | 2012 | 43,197 |
| Developer Payback | 2012 | 189,800 |
| Riverbank Greenway Programs | 2012 | 208,054 |
| Riverbank Stabilization - Physical Asset Protection* | 2012 | (1,000,000) |
| Transcona Water Park | 2012 | 10,000 |
| UFF - Hockey Pen Light Standard Replacement | 2012 | 28 |
| Emergency Repair / Replacement of the Cooling Plant - 510 Main | 2012 | 594,284 |
| Arenas* | 2012 | (22,143) |
| Indoor Aquatic Facilities* | 2012 | (55,398) |
| Indoor Aquatic Facilities - Mechanical Upgrades - Bonivital | 2012 | 26,950 |
| Outdoor Aquatic Facilities* | 2012 | (6,734) |
| South District Police Station | 2013 | 413 |
| Public Art Strategy | 2014 | 201 |
| ***Total Municipal Accommodations & Planning, Property and Development*** | | **1,163,365** |
| ***Community Services*** | | |
| Library Signage, Safety and Accessibility Program | 2012 | 35,788 |
| Recreational Facility Safety and Accessibility Improvements Program | 2012 | 381 |
| Library Technology Upgrade and Replacement Program | 2013 | 4,462 |
| ***Total Community Services*** | | **40,631** |

**Bracketed surplus amounts disclosed above represent cash to capital investment for specific projects as indicated.*

*continued on following page*

## Appendix 5C

# Cash to Capital Surpluses - 2014 Capital Closing Review
# List of Projects Closed

| Project Name | Project Year | Surplus |
|---|---|---|
| ***Winnipeg Police Service*** | | |
| Wireless Emergency 911 Upgrade | 2010 | 11,877 |
| West Station Information Technology Requirements | 2012 | 930 |
| ***Total Winnipeg Police Service*** | | **12,807** |
| ***Water & Waste - Land Drainage and Flood Control*** | | |
| Charleswood & Wilkes South Land Drainage Project | 2008 | 32,700 |
| Stormwater Retention Basin | 2011 | 85,778 |
| Comprehensive Integrated Waste Management Strategy (CIWMS) - Provision of Automated Refuse Collection Carts | 2012 | 61,860 |
| ***Total Water & Waste - Land Drainage and Flood Control*** | | **180,338** |
| ***Fire Paramedic Service*** | | |
| Facilities Replacement and Relocation Program - Station 11 | 2010 | 1,242 |
| ***Total Fire Paramedic Service*** | | **1,242** |
| ***Corporate Support Services*** | | |
| Communications Network Infrastructure - Network Infrastructure Evergreening and Expansion | 2012 | 28,735 |
| 311 Renewal | 2013 | 9,230 |
| ***Total Corporate Support Services*** | | **37,965** |
| ***Assessment (incl Local Improvements)*** | | |
| 2009 Local Improvement Program | 2009 | 34,215 |
| Assessment Automation | 2010 | 56,208 |
| ***Total Assessment (including Local Improvements)*** | | **90,423** |
| ***City Clerks*** | | |
| Corporate Records Centre | 2012 | 17,010 |
| ***Total City Clerks*** | | **17,010** |
| ***Net cash to capital surpluses from 2014 capital review - tax supported departments*** | | **$ 4,052,308** |

# Regional and Local Streets Renewal

## Regional Streets

Within the City of Winnipeg there are over 10 million daily vehicle-kilometres of travel, with about 80% of this traffic volume travelling on regional roads – the remaining 20% travel on local streets. The regional system is made up of about 1,800 lane kilometres of regional streets which forms the backbone of the City's transportation system.

In 2012, the City budgeted $11 million for regional street renewal, followed by just under $17 million in 2013. This was insufficient to meet the needed repairs to the regional street system. At this funding level, the condition of the City's regional streets was expected to drop significantly over the next 10 years as illustrated in the table below. The percentage of regional streets in poor condition was expected to increase from 16% to 27% over 10 years.

| **Pavement Condition Regional Streets** | 2012 | 2022 With Historical Funding |
|---|---|---|
| New / Good | 57% | 49% |
| Fair | 27% | 24% |
| Poor | 16% | 27% |

A sustainable level of funding for regional streets is in the range of $60 million per year in today's dollars based on a 25-year view and using a proper asset management approach. Thus we were funding only about a quarter of what was required, resulting in a shortfall in funding of about $45 million per year in today's dollars. Cumulatively over the next 25 years, the funding shortfall for regional streets totals $1.4 billion with construction inflation factored in.

Recent public budget consultation found that (excerpt from MNP's 2013 report):

> "Developing and maintaining the infrastructure, particularly the repair of roads and streets, was identified as a high priority in all components of consultation. Approximately 80% of all survey respondents identified repair and maintenance of streets as one of the top priorities."

Following 2014's introduction of the Regional Street Renewal Reserve, the City now proposes to establish a permanent enhanced program for regional streets. The new revenue would be dedicated to a regional street renewal reserve and used solely for the renewal of regional streets and sidewalks.

# Appendix 6

**Long Term Proposal for Regional Street Renewals** – In the event the City does not receive significant new growth revenue from other levels of government, the following plan is proposed. Dedicated annual 1% property tax increase for each of nine years (2014 to 2022) committed to increasing funding for the renewal of regional streets. A small portion of this funding would be used to finance $25 million of borrowing over the first three years ($10 M in 2014, $10 M in 2015, and $5 M in 2016). After nine years of 1% property tax increases, the rate would drop to a level to deal with construction inflation. The year 2023 would be a transition year between the full 1% property tax increase and the required 0.3% increase required to deal with construction inflation. The overall plan would achieve a sustainable funding level for the renewal of regional streets. The table at the end of this appendix outlines the planned spending on regional streets of the long term proposal.

**Local Streets**

In 2011, 20% of local streets along with 16% of back lanes were in poor condition. Winnipeggers' satisfaction with the condition of local streets was low at 40% (poll June 2012). Only one other City service had a lower satisfaction: condition of regional streets, at 38%. In 2012 and 2013, the City's planned spending on the base local street renewal program was about $20 million per year. This includes the $5 million TBO (thin bituminous overlay) program, $3 million for gravel roads and $0.9 million for sidewalk and pathways. Net of the three components just listed, only about $11 million annually was left for the renewal of local streets and back lanes.

A sustainable level of funding for local streets and back lanes is in the range of $80 million per year based on a 25-year view and on a proper asset management approach. Thus the City was funding less than 15% of what was required, resulting in a shortfall in funding of $67 million per year in today's dollars. At that funding level, cumulatively over the next 25 years and adding in construction inflation, the funding shortfall for local streets and back lanes would total $3.6 billion.

**Long Term Proposal for Local Street Renewals** – In the event the City does not receive significant new growth revenue from other levels of government, the following plan is proposed. Dedicated annual 1% property tax increase for each of 9 years committed to increasing funding for the renewal of local streets, back lanes and sidewalks. A small portion of this funding would be used to finance $27 million of borrowing over the first four years ($10 – $10 – $6 – $1). In the tenth year, the new street property tax funding would be exchanged with the current frontage levy from the operating budget. The current frontage levy rate is $4.35 per foot frontage. Thereafter the frontage levy rate would be increased annually by $1.00 per foot frontage for an estimated 13 years. The overall plan would achieve a sustainable funding level for the renewal of local streets.

The proposal would result in the regional and local street renewal programs being funded with a sustainable funding source and mostly on a cash basis. In addition, a significant increase in City spending on street renewal would have a strong positive economic impact.

| **Regional Streets Renewal Reserve** | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | -- | 2034 | 2035 | 2036 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Property Tax Increase | | | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 0.6% | 0.3% | -- | 0.3% | 0.3% | 0.3% |
| Revenue ($ millions) | | | 4.7 | 9.6 | 14.5 | 19.3 | 24.4 | 29.7 | 35.2 | 41.0 | 47.0 | 50.8 | 52.8 | -- | 77.9 | 81.0 | 84.3 |
| Amount used to Finance Borrowing | | | -0.4 | -1.1 | -1.6 | -1.7 | -1.7 | -1.7 | -1.7 | -1.7 | -1.7 | -1.7 | -1.7 | -- | -1.7 | -1.7 | -1.7 |
| Revenue for Cash Funding | | | 4.3 | 8.5 | 12.9 | 17.6 | 22.7 | 28.0 | 33.5 | 39.3 | 45.3 | 49.1 | 51.1 | -- | 76.2 | 79.3 | 82.6 |
| From Borrowing | | | 10.0 | 10.0 | 5.0 | | | | | | | | | | | | |
| **Regional Street Work ($ millions)** | | | | | | | | | | | | | | | | | |
| Enhanced Program (1%) from Reserve | | | 14.3 | 18.5 | 17.9 | 17.6 | 22.7 | 28.0 | 33.5 | 39.3 | 45.3 | 49.1 | 51.1 | -- | 76.2 | 79.3 | 82.6 |
| Base Program | 11.2 | 16.6 | 21.0 | 22.9 | 20.7 | 21.8 | 26.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | -- | 25.0 | 25.0 | 25.0 |
| Total Regional Street Renewal Program | 11.2 | 16.6 | 35.3 | 41.4 | 38.6 | 39.5 | 48.7 | 53.0 | 58.5 | 64.3 | 70.3 | 74.1 | 76.1 | -- | 101.2 | 104.3 | 107.6 |

| **Local Streets Renewal Reserve** | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | -- | 2034 | 2035 | 2036 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Property Tax Increase | | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 0.9% | | | | | | |
| Revenue ($ millions) | | 4.5 | 9.2 | 14.1 | 19.1 | 24.0 | 28.9 | 34.2 | 39.7 | 45.5 | 50.9 | | | | | | |
| Amount used to Finance Borrowing | | -0.4 | -1.1 | -1.5 | -1.7 | -1.7 | -1.7 | -1.7 | -1.7 | -1.7 | -1.7 | | | | | | |
| Revenue for Cash Funding | | 4.1 | 8.1 | 12.7 | 17.4 | 22.3 | 27.2 | 32.4 | 38.0 | 43.8 | 49.2 | | | | | | |
| From Borrowing | | 10.0 | 10.0 | 6.0 | 1.0 | | | | | | | | | | | | |
| Base Frontage Levy after exchange | | | | | | | | | | | 51.0 | | | | | | |
| Frontage Levy Increase (per foot) | | | | | | | | | | | $0.65 | $1.00 | $1.00 | -- | $1.00 | $1.00 | $0.50 |
| Total Frontage Levy Rate (per foot) | $3.75 | $3.75 | $3.75 | $4.35 | $4.35 | $4.35 | $4.35 | $4.35 | $4.35 | $4.35 | $5.00 | $6.00 | $7.00 | -- | $17.00 | $18.00 | $18.50 |
| Additional Revenue ($ millions) | | | | | | | | | | | 7.6 | 70.8 | 83.1 | -- | 214.6 | 228.5 | 236.2 |
| Amount used to Finance Borrowing | | | | | | | | | | | -1.7 | -1.7 | -1.7 | -- | -1.7 | -1.7 | -1.7 |
| Revenue for Cash Funding | | | | | | | | | | | 56.8 | 69.0 | 81.3 | -- | 212.8 | 226.8 | 234.5 |
| **Local Street Work ($ millions)** | | | | | | | | | | | | | | | | | |
| Enhanced Program (1%) from Reserve | | 14.1 | 18.2 | 18.7 | 18.4 | 22.3 | 27.2 | 32.4 | 38.0 | 43.8 | 56.8 | 69.0 | 81.3 | -- | 212.8 | 226.8 | 234.5 |
| Base Program | 19.7 | 19.9 | 30.7 | 43.3 | 37.1 | 38.1 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | -- | 38.0 | 38.0 | 38.0 |
| Total Local Street Renewal Program | 19.7 | 34.0 | 48.9 | 61.9 | 55.5 | 60.4 | 65.2 | 70.4 | 76.0 | 81.8 | 94.8 | 107.0 | 119.3 | -- | 250.8 | 264.8 | 272.5 |
| **Combined Regional and Local Street Renewal Work ($ millions)** | 31 | 51 | 84 | 103 | 94 | 100 | 114 | 123 | 135 | 146 | 165 | 181 | 195 | -- | 352 | 369 | 380 |

Note: The base street renewal programs funding increased in 2014 as a result of the Provincial government increasing their capital grants funding for streets renewals.

# Funding Plan for Southwest Transitway (Stage 2) / Pembina Underpass

This combined project is made up of two components: the widening of Pembina Highway through the Pembina Underpass at Jubilee, and the construction of Stage 2 of the Southwest Transitway. On June 25, 2014, Council amended the 2014 Capital Budget and approved the project.

The estimated cost of the project is approximately $590 million. The Federal Government through PPP Canada has committed $140 million and the Province of Manitoba has committed $225 million towards the project. The City of Winnipeg share is $4.2 million plus annual construction P3 payments for 30 years. The first P3 payment is required in 2020. In addition, annual operating and maintenance P3 payments are required. These will be cost shared between the City and the Province of Manitoba. Thus in 2020, the City's total P3 annual payment (first) is estimated at $19.7 million. A Council approved financing plan is required in order to determine how the City will pay for its share of this combined project.

**Background –** Both projects are necessary to maintain / improve the public's service expectations. Over the next several decades, a significant portion of the expected growth in Winnipeg's population will occur in the southwest quadrant of the city. Increases in traffic congestion will be detrimental to both auto drivers and transit passengers alike.

The widening of the Pembina Underpass will relieve some of the congestion already experienced in the vicinity of Pembina & Jubilee. The construction of Stage 2 of the Southwest Transitway will not only improve on existing transit travel times, it will increase reliability, convenience and competiveness as well as attract additional riders. The Transitway will prevent transit travel times along the corridor from increasing as traffic congestion worsens in the coming years.

**Southwest Transitway (Stage 2), Project Overview –** Stage 2 of the Southwest Transitway (SWT) will be a dedicated corridor that will extend from Pembina & Jubilee to the University of Manitoba and to Markham Road. As shown in Figure 1 (next page), Stage 2 will extend westward through the Parker Lands, then southeast along a Manitoba Hydro right-of-way, crossing McGillivray, Clarence and Chevrier before crossing under the CN Letellier subdivision.

The transitway will then run parallel to the CN railway as it crosses Bishop Grandin and Chancellor. An access to Southpark Drive will allow some routes to enter the University of Manitoba/Investors Group Field via the Southwood Lands. The transitway will extend as far south as Markham, where routes serving Waverley West, Fort Richmond, Richmond West and St. Norbert will enter/exit the transitway.

**Pembina Highway Underpass Widening, Project Overview**

Combined with the construction of the Transitway will be the widening of the Pembina Highway Underpass which will include the following roadway improvements: addition of third northbound traffic lane to allow for three lanes in each direction; increased lane width; improved left turn lane; and the construction of bicycle and pedestrian facilities on both sides of Pembina Highway through the Pembina Highway Underpass.

To make way for the widening of the Pembina Highway Underpass, associated railway works will include a new CN rail bridge over Pembina Highway and track relocation on the CN Letellier Subdivision and the CN Rivers Subdivision near Jubilee.

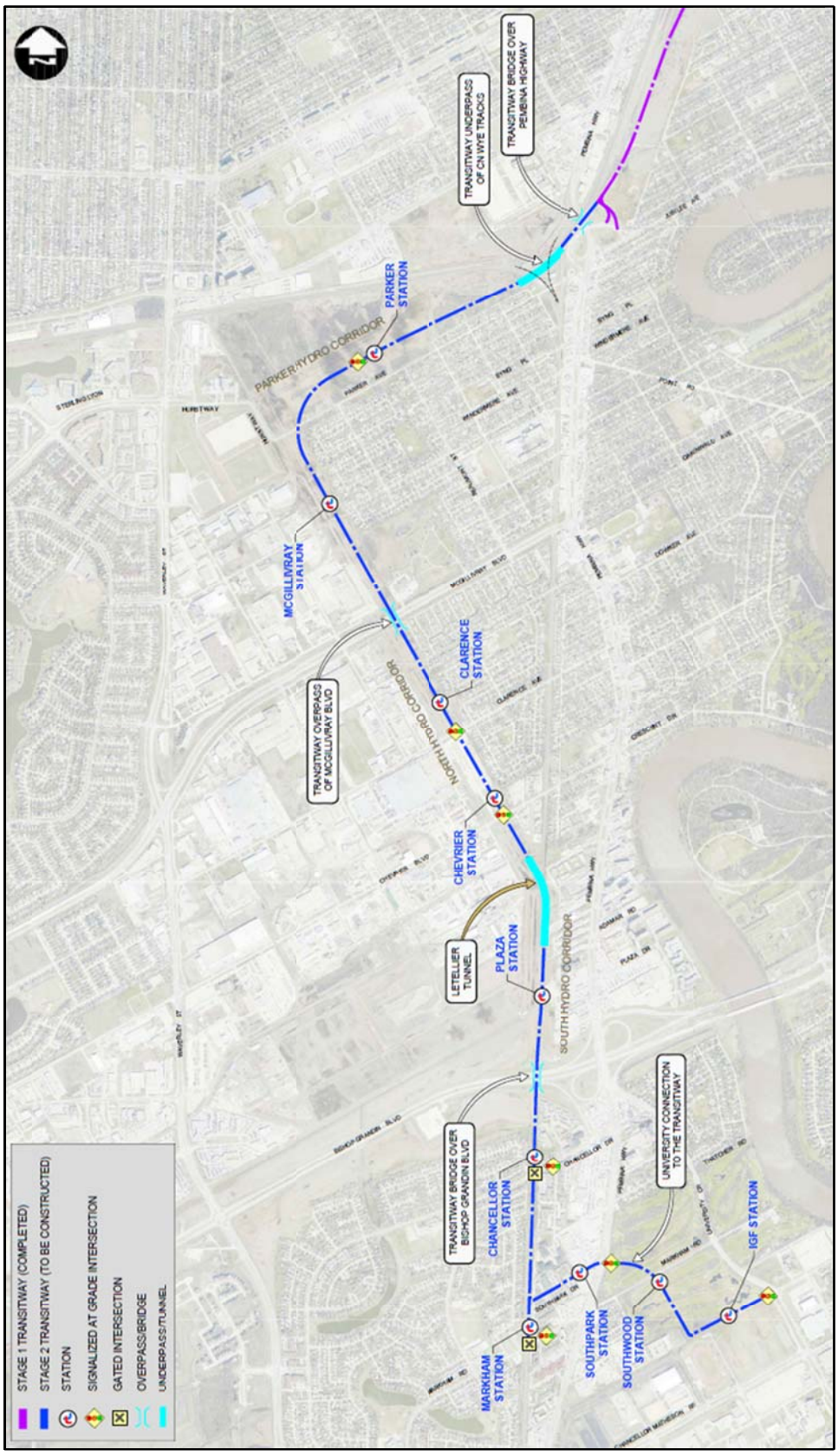



**Figure 1 – Proposed Alignment and Approximate Station Locations**

## Appendix 7

**Proposed Financing Plan –** In the event the City is unable to access new sources of revenues, the following funding plan is proposed for this project. The City's proposed funding plan is to commit to a dedicated annual property tax increase of 0.33% (one third of 1%) for 10 years starting in 2016, plus a one-time Transit fare increase of 5 cents also in 2016. The Transit fare increase would be in addition to Transit's planned regular annual inflationary fare increase. This incremental revenue (property tax revenue plus fare revenue from the one-time 5-cent fare increase) would finance the Southwest Transitway (Stage 2) and Pembina Highway Underpass Payment Reserve which would then fund the City component of the annual P3 payments.

The table below outlines the City's incremental revenue being added to the Southwest Transitway (Stage 2) and Pembina Highway Underpass Payment Reserve:

| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dedicated Property Tax Increase | | 0.33% | 0.33% | 0.33% | 0.33% | 0.33% | 0.33% | 0.33% | 0.33% | 0.33% | 0.33% | |
| Transit Fare Increase | | 5 cents | | | | | | | | | | |
| Resulting Revenues (in $ millions) | | | | | | | | | | | | |
| From Property Taxes | $0.0 | $1.7 | $3.4 | $5.3 | $7.2 | $9.1 | $11.2 | $13.3 | $15.6 | $17.9 | $20.3 | $20.3 |
| From Fares | $0.0 | $1.7 | $1.7 | $1.7 | $1.7 | $1.7 | $1.7 | $1.7 | $1.7 | $1.7 | $1.7 | $1.7 |
| Annual Revenue | $0.0 | $3.4 | $5.1 | $7.0 | $8.9 | $10.8 | $12.9 | $15.0 | $17.3 | $19.6 | $22.0 | $22.0 |
| Southwest Transitway (Stage 2) and Pembina Highway Underpass Payment Reserve | | | | | | | | | | | | |
| Reserve Balance (start of year) | $0.0 | $0.0 | $3.4 | $8.5 | $15.5 | $24.3 | $15.4 | $8.5 | $3.7 | $1.0 | $0.6 | $2.5 |
| Revenue added | $0.0 | $3.4 | $5.1 | $7.0 | $8.9 | $10.8 | $12.9 | $15.0 | $17.3 | $19.6 | $22.0 | $22.0 |
| Required Payments | | | | | | ($19.7) | ($19.8) | ($19.9) | ($19.9) | ($20.0) | ($20.1) | ($20.1) |
| Withdraw or add to reserve | $0.0 | $3.4 | $5.1 | $7.0 | $8.9 | ($8.9) | ($6.9) | ($4.8) | ($2.7) | ($0.4) | $1.9 | $1.9 |
| Reserve Balance (end of year) | $0.0 | $3.4 | $8.5 | $15.5 | $24.3 | $15.4 | $8.5 | $3.7 | $1.0 | $0.6 | $2.5 | $4.4 |

A new reserve will be established. The one-time transit fare increase of 5 cents will generate $1.7 million of which 100% is expected to go to this new reserve. In the event that the provincial approval is not obtained regarding the use of the full fare increase, then the property tax increase of 0.33% would increase to 0.36% each year. The above table only shows the City of Winnipeg component of the annual P3 payment. The operating and maintenance P3 payments are cost shared between the City and the Province. The first total annual P3 payment is estimated at $22.0 million, with the City share being $19.7 million and the Provincial share being $2.3 million. The figures above are estimates based on many factors including assumed interest rates. The final financial figures will be known once the P3 procurement process is completed which is expected by the end of 2015.

The reserve balance will grow starting in 2016 when the first new revenue is added. By 2020, when the first P3 payment is required (estimated at $19.7 million), the 2020 revenue (estimated at $10.8 million) will be insufficient to make the $19.7 million payment and the reserve will be drawn down to make the annual P3 payments. The property tax increases continue until there is sufficient revenue to make the annual P3 payments which is expected to be in 2025.

Additional information is outlined in the project's Capital Detail Sheet. As well, on February 9th, 2015, PPP Canada announced its funding contribution of $137.3 million.

Back to Table of Contents



# Major Capital Projects

Administrative Standard FM-004: Capital Project Administration

**Directive**

*"Capital Projects must be planned giving due regard to appropriate project management techniques, reporting and administrative structure including the Major Capital Project Steering Committee required for projects that are expected to exceed $10 million."*

In accordance with the Directive above, Major Capital Project Steering Committees meet quarterly upon commencement of construction of major capital projects. Project status reports to the Standing Policy Committee on Finance are made on a quarterly basis.

Listing of Major Capital Projects previously approved and active:

1) Waverley West Arterial Roads Project
2) Plessis Road Twinning and Grade Separation at CN Rail
3) Polo Park – Infrastructure Improvements
4) Transit Fare Collection (Automated Fare Collection System)
5) Winnipeg Police Headquarters Redevelopment
6) North End Water Pollution Control Centre – Nutrient Removal/Upgrade
7) South End Water Pollution Control Centre – Nutrient Removal/Expansion (SEWPCC Upgrading and Expansion)
8) Biosolids – Alternative Disposal Delivery and Management System
9) 4R Winnipeg Depots (Community Resource Recovery Facilities)
10) Southwest Transitway (Stage 2) / Pembina Highway Underpass
11) Transit Building Replacement / Refurbishment
12) Water Supervisory Control and Data Acquisition (SCADA) Upgrade

With the adoption of the 2015 Capital Budget, no new Major Capital Project Steering Committee is required.

Winnipeg

# 2015

## Preliminary Budget
## Capital Project Detail

## Volume 3