







Winnipeg

# 2013 Preliminary Capital Budget

## 2014 - 2018 Five Year Forecast




# The City of Winnipeg

# 2013
# Preliminary Capital Budget

## and

# 2014 to 2018
# Five Year Forecast

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

*The City of Winnipeg*
*City Clerks Department*
*Council Building, 510 Main Street*
*Winnipeg, Manitoba*
*R3B 1B9*

*Telephone Number: 311*

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

*Prepared by Corporate Finance,*
*The City of Winnipeg*

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

# Table of Contents

Letter from the Mayor and Chairperson of the Standing Policy Committee on Finance..... 1

Recommendations ..... 3

**Overview.....Section 1**

**Capital Projects Summary .....Section 2**

**Capital Projects Detail .....Section 3**

**Service Based View.....Section 4**

**Appendices .....Section 5**

Appendix 1: Capital Priority Rating System ..... 5-1

Appendix 2: Cost Estimation Classification System ..... 5-3

Appendix 3: Public Private Partnership Payments..... 5-5

Appendix 4: Allocation of Prior Years' Surplus to the Capital Budget ..... 5-6

Appendix 5: Local Street Renewal Reserve .....5-7

Back to Table of Contents

# Letter from the Mayor and the Chairperson of the Standing Policy Committee on Finance

January 9, 2013

**TO ALL MEMBERS OF COUNCIL:**

**Re: Preliminary 2013 Capital Budget**
**- and the -**
**2014 to 2018 Five Year Forecast**

---

We are pleased to submit the Preliminary Capital Investment Plan for the City of Winnipeg for the years 2013 to 2018.

For the first time, this capital budget is being tabled with the operating budget to better plan for strategic capital investments. Closely tying the capital and operating budgets facilitates and integrates the City's overall planning process. This plan invests in infrastructure priorities of $2.5 billion over the 6 year period. Over $464.7 million is earmarked for streets and bridges over the multi-year plan with $109.1 million proposed in 2013 alone. The City has created a new Local Street Renewal Reserve dedicated to the renewal of local streets, lanes and sidewalks. In this budget, 1% of the property tax increase will establish and fund this reserve to enable enhanced investment in the local street program each year. In addition, we propose to debt finance $10 million for local streets, sidewalks and lanes in 2013, taking advantage of current low interest rates. Payments on this new debt will flow from the new reserve. The local streets program budget is increasing from $21.65 million in 2012 to $35.86 million in 2013, an increase of 66%. This is the first year of a longer term plan for sustainable funding for the renewal of local streets.

Investments over the 6 year plan include the Transit capital program at $305.8 million, including $137.5 million for the City's share of the construction of the planned Southwest Rapid Transit Corridor – Stage 2, forecast in 2014 and 2015. The project is dependent on a new incremental tri-partite funding agreement with the Province and P3 Canada.

Strategic road investments like Polo Park infrastructure improvements, Molson twinning - Munroe to Concordia, and an increased annual program for Waterway Crossings and Grade Separations will ensure the 2013 capital program moves the City's road infrastructure forward. In addition, the City continues its commitment to growing its "Cash to Capital" funding by $2 million each year, bringing the contribution in 2013 to $71.5 million and up to $81.5 million forecasted by 2018.

Complementing our roads investment, this budget also applies priority to other valued infrastructure. Funding has been provided for an enhanced management strategy in 2013 for the protection of our urban elm forest from Dutch Elm Disease. The City will be requesting the Province to cost share capital and operating dollars for this initiative. The City's commitment to the Assiniboine Park Conservancy is ongoing with $66.2 million included over the 6 year plan. As well, the City's multi-year new library redevelopment plan is included in this capital budget. The new library strategy will cost $24.6 million between 2013 and 2018, with $6.8 million included in 2013. In addition, $1.8 million is included over the 6 years for furnishings for these new libraries.

Total public safety projects amount to $62.1 million over this multi-year plan. Recreation and leisure facility resources in the amount of $7 million have been reprofiled in the budget to fund the new East Elmwood Community Centre and other ward recreation priorities.

This multi-year plan includes a $98.5 million investment for the land drainage and flood control program, $189.3 million for the water utility and $996.6 million for sewer utility projects. The North End Water Pollution Control Nutrient Removal/Upgrade project is budgeted at $480 million over the 6 year program and negotiations will need to be finalized with the other levels of government to successfully complete the project. Also included is the solid waste disposal investment of $47.1 million over the 6 year period, with $7.2 million authorized for Community Resource Recovery Facilities in 2013.

This preliminary capital plan outlines the City's priorities recognizing our capital funding constraints. Negotiating incremental capital support from the other levels of government will be critical to implementing the intergenerational large-scale projects envisioned over the course of this investment plan. We invite review and feedback from all members of Council and citizens at large to finalize this plan over the next several weeks.

Respectfully submitted,



Sam Katz,
Mayor



Russ Wyatt, Deputy Mayor and
Chairperson, Standing Policy
Committee on Finance

Back to Table of Contents

# *CAPITAL BUDGET RECOMMENDATIONS*

1. a) That the 2013 Capital Budget totaling $374,662,000 requiring new borrowing authority of $66,434,000 for utilities and tax-supported operations, be reviewed and submitted to Council for approval, and

   b) That the 2014 to 2018 Five Year Capital Forecast be reviewed and submitted to Council for adoption in principle.

2. a) That a new Local Street Renewal Reserve be established in accordance with Section 289 of the City of Winnipeg Charter,
   b) That the Director of Public Works be the Fund Manager,
   c) That the purpose of the reserve be to increase funding for the renewal of local streets, lanes and sidewalks,
   d) That the funding source be dedicated property tax revenue transferred from the General Revenue Fund, and
   e) That a 2/3 vote of Council is required in order for the use of funds to be other than those stipulated.

   Note: A long term proposal for sustainable funding for the renewal of local streets is included in Appendix 5.

3. That the cash to capital contribution be as follows:

| Year | $ Millions |
|---|---|
| 2013 | 71.478 |
| 2014 | 73.478 |
| 2015 | 75.478 |
| 2016 | 77.478 |
| 2017 | 79.478 |
| 2018 | 81.478 |

4. That all transfers from prior years' surplus, to/from reserves and other funds outlined in the capital budget be approved.

5. That Council authorize the expenditure of up to $4.5 million for the Assiniboine Park Conservancy - Capital Development Plan in 2013 or prior to the adoption of the 2014 Capital Budget as a first charge against the General Capital Fund, in accordance with Subsection 288(2) of the City of Winnipeg Charter to facilitate timely work on the Capital Development Plan.

6. That approval of the $7 million surplus reallocation from the Recreation and Leisure Facilities capital program outlined in the capital budget be requested from the Manitoba-Winnipeg Recreation Leisure Infrastructure Program Management Committee.

7. a) That 2014 to 2017 capital funding for the full enhanced “Dutch Elm Disease Strategy” capital project be referred to the 2014 capital budget process.

   b) That the City of Winnipeg request the Province of Manitoba to cost-share a Dutch Elm Disease Strategy -- “Scenario 2: Full Enhanced Management Strategy” by providing additional funding in the amount of $1,900,000 for both capital and operating costs of the program, and that implementation of the strengthened program be subject to a full matching funding commitment from the Province of Manitoba.

8. That $330,000 of the equity balance of the Riverbank Management Committee fund be transferred to the Riverbank Stabilization – Physical Asset Protection capital project and that the equity balance of the 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.

9. That the Public Transit Reserve established in 2006 for eligible costs of public infrastructure projects funded by the Government of Canada through Bill C-66, be closed. The fund has been fully depleted as of December 31, 2010 and the reserve was to be dissolved once eligible projects were complete.

10. That, effective January 1, 2014 the Rapid Transit Infrastructure Reserve be renamed the Southwest Rapid Transit Corridor – Stage 2 Reserve and its purpose be revised to:

    a) accumulate capital funds and subsequently to expend such funds on future costs incurred on account of public transit infrastructure, and more specifically, the construction of the Southwest Rapid Transit Corridor – Stage 2, and the purchase of vehicles associated with Stage 2, contemplated in the future,

    b) contribute to the proposed Jubilee Rapid Transit Station if net proceeds of disposition of the subject City property are insufficient to cover the City’s share, as approved by Council on October 24, 2012,

    c) pay for any residual land acquisition settlements for the Southwest Rapid Transit Corridor - Stage 1 project, and

    d) pay for the ongoing replacement of the 10 buses purchased for the Southwest Rapid Transit Corridor – Stage 1 project.

10. That $1.1 million be transferred from the 2009 Transportation Authority Study capital project to the 2012 Rapid Transit Planning and Design capital project, and that expenditure of these funds be subject to new, incremental funding of $1.1 million from the Province of Manitoba to be matched 50/50 with City funds for the planning, design and preparation of future rapid transit corridors, including an Eastern Rapid Transit Corridor.

11. That unutilized borrowing authority authorized by By-Law 150/2009 in the amount of $13.708 million be cancelled as follows:

    a) Tax Supported Fund, Chief Peguis Trail - $11.3 million,
    b) Solid Waste Utility, Landfill Cell Excavation - $1.408 million, and
    c) Solid Waste Utility, Brady Landfill Gas Capture Project - $1 million.

12. That the City Solicitor/Director of Legal Services be requested to submit the necessary borrowing by-law directly to Council.

13. That the Proper Officers of the City be authorized to do all things necessary to implement the foregoing, including the execution of any documents related thereto.

Back to Table of Contents

**The City of Winnipeg**

# Overview

## 2013
## Preliminary Capital Budget

**and**

## 2014 to 2018
## Five Year Forecast



# 2013 Preliminary Capital Budget

## and 2014 to 2018 Five Year Capital Forecast

January 9, 2013

Winnipeg

# 2013 CAPITAL BUDGET PROCESS



- Addressing the City's capital priorities
- Standing Policy Committee Review
- Council debate and adoption
- Multi-year view
- Capital budget integrated with the operating budget

Winnipeg

# 2013 CAPITAL BUDGET CONTEXT



- Challenged by aging infrastructure and an infrastructure deficit
- Beginning to address infrastructure deficit by:
  - Increasing cash to capital
  - Establishing a new Local Street Renewal Reserve
  - Financing more capital with debt during this period of low interest rates
  - Negotiating strategic P3 partnerships

Winnipeg

# HIGHLIGHTS

- **Establish a new Local Street Renewal Reserve**
  - **1% property tax will be solely dedicated to the renewal of local streets, lanes and sidewalks**
  - **$4.5 million in new revenue generated each year**
  - **Borrow $10 million in 2013 for local street renewal, and use the new reserve to make payments on this new debt**
  - **2013 debt servicing payment estimated at $500,000**
  - **2/3 vote of Council is required in order for the use of funds to be other than those stipulated**

Winnipeg

# HIGHLIGHTS



- **Establish a new Local Street Renewal Reserve (continued)**
  - **Use remainder – $4 million – to pay cash for further local street renewal**
  - **Will result in local street renewal budget going up from $21.65 million in 2012 to $35.86 million in 2013, an increase of $14 million or 66%**
  - **First year of a 25 year proposal for sustainable funding for the renewal of local streets**

Winnipeg

# HIGHLIGHTS

- **Library Redevelopment Plan:**
  - **$24.6 million budgeted for construction costs and $1.8 million for new interior infrastructure over next 6 years**
  - **Library plan over next 8 years:**
    - **Charleswood – 2013**
    - **Windsor Park – Boni-Vital site – 2013**
    - **St. Vital – 2013**
    - **Transcona – 2014**
    - **River Heights – 2015**
    - **Westwood – 2017**
    - **St. James – 2018**
    - **West Kildonan – 2020**
  - **Existing facilities – $9.4 million for refurbishment, interior infrastructure, safety and accessibility, and technology upgrades over the next 6 years**

Winnipeg

# HIGHLIGHTS



- **Assiniboine Park Conservancy:**
  - **Continued commitment to the "jewel in the crown" of the City's park system**
  - **Accelerating capital funding to the Assiniboine Park Conservancy for their Capital Development Plan for the third year in a row – $4.5 million in 2013**
  - **$66.2 million included in the capital budget over the next 6 years**

Winnipeg

# HIGHLIGHTS

- **Assiniboine Park Conservancy (continued):**
  - **Additional capital project related to the Assiniboine Park Zoo Complex:**
    - **Assiniboine River Crossing – sewer siphon engineering assessment, study, and design in 2013 and replacement in 2014 – $1.7 million**
  - **Continuing operating grant of $11.867 million**
  - **Loan guarantee for Journey to Churchill project of $17 million**

# HIGHLIGHTS

- **Public Safety - $62.1 million:**
  - **Winnipeg Police Service:**
  - **$40 million over next 6 years**
  - **Facilities**
    - **Police headquarters**
    - **South District police station**
    - **North District police station**
    - **System Upgrades – $7.7 million**
    - **Building Video Surveillance – $4.0 million**
  - **Communication Systems**
    - **Radio System Replacement – $7.2 million**
    - **Telephone and Computer Upgrades**
    - **Dispatch System – $2 million**

Winnipeg

# HIGHLIGHTS

- **Public Safety - $62.1 million (continued):**
  - **Fire Paramedic Services:**
  - **$22 million over next 6 years**
  - **Facilities Replacement and Relocation**
    - **Station #19 (Whytewold Road) – completion 2015**
    - **Station #15 (Autumnwood Drive) – completion 2017**
  - **Kimberly Station – addition and renovation – 2018**
  - **Radio System Replacement – $6 million**

Winnipeg

# HIGHLIGHTS

- **Rapid Transit:**
  - **Southwest Rapid Transit Corridor – Stage 2 – City's share – $137.5 million to be built and operating by 2018**
  - **All funding and timing subject to provincial and federal funding commitments**
  - **P3 Consulting and Project Development – $1 million including business case development for Stage 2**
  - **Jubilee Rapid Transit Station – $1.667 million to fund City's portion of construction costs – approved by Council on October 24, 2012**

Winnipeg

# HIGHLIGHTS

- **Rapid Transit (continued):**
  - **Rapid Transit Infrastructure Reserve to be renamed the Southwest Rapid Transit Corridor – Stage 2 Reserve to accumulate capital funds for construction of the project and purchase of vehicles**
  - **Planning and Design and preparation for future rapid transit corridors, including an Eastern Rapid Transit Corridor – $1.1 million – to be matched by provincial funding**

Winnipeg

# AREAS OF MAJOR CAPITAL INVESTMENT

## 2013 - 2018

### 6 Year Capital investment plan of $2.5 billion

- Increase of $145.3 million or 6.2% from last year's plan



- $996.6 million for sewage disposal projects
- $464.7 million for roads and bridges
- $305.8 million for the transit system
- $258.7 million for parks, community infrastructure and amenities
- $189.3 million for the water system
- $98.5 million for land drainage and flood control
- $62.1 million for public safety infrastructure
- $47.1 million for solid waste disposal

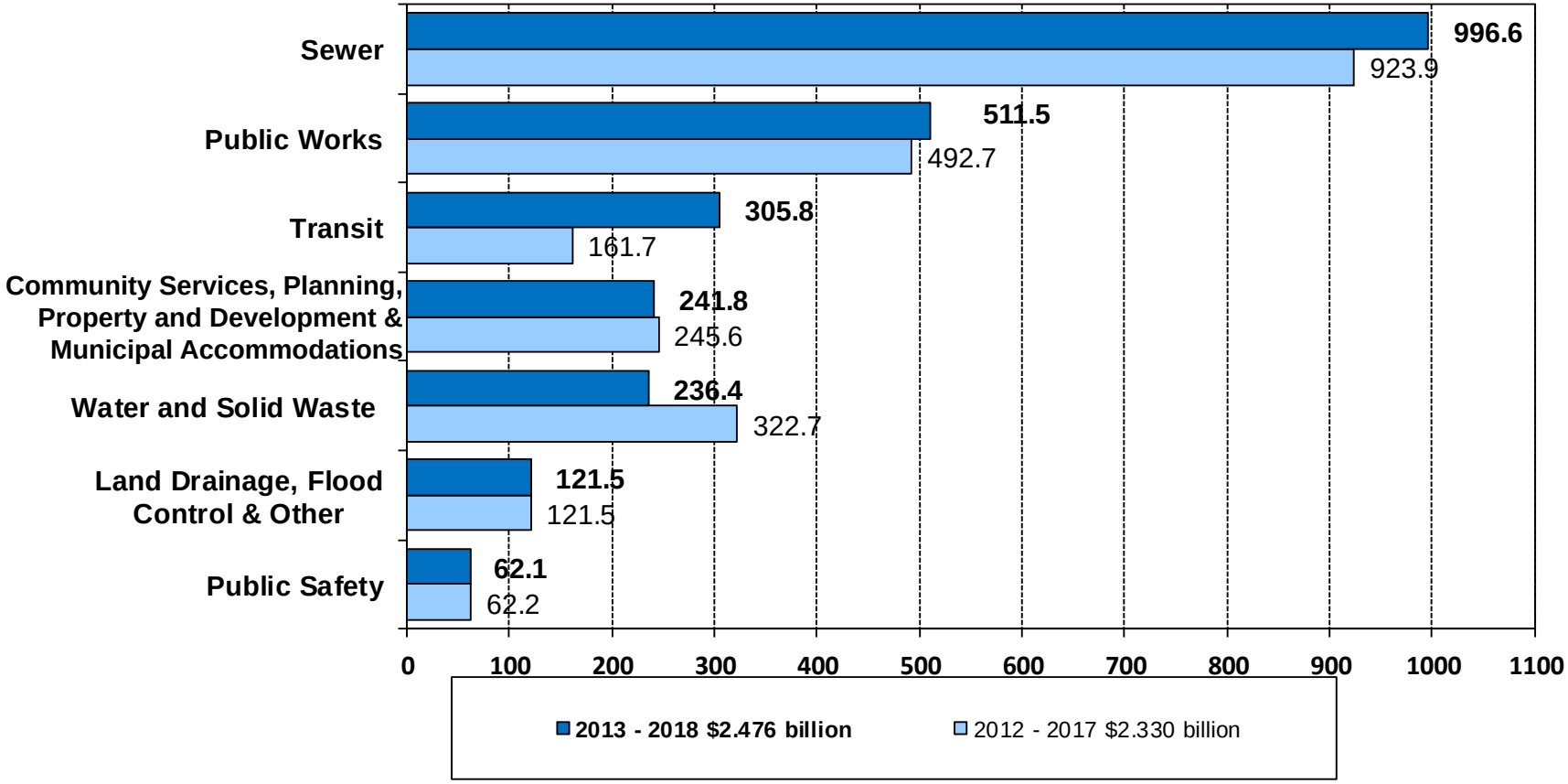
Winnipeg

# 2013 HIGHLIGHTS

- **$374.7 million in 2013**
  - **Total Streets projects – $109.1 million**
  - **Strategic road investments:**
    - **Polo Park Infrastructure Improvements – $30 million**
    - **Molson Street Twinning – Munroe to Concordia – $7.4 million**
  - **Dutch Elm Disease Enhanced Management Strategy – $2.8 million – subject to matching provincial funding**
  - **East Elmwood Community Centre – $5 million**
  - **Community Resource Recovery Facilities – $7.2 million**
- **Cash to Capital $71.5 million in 2013 and increasing by $2 million per year**

Winnipeg

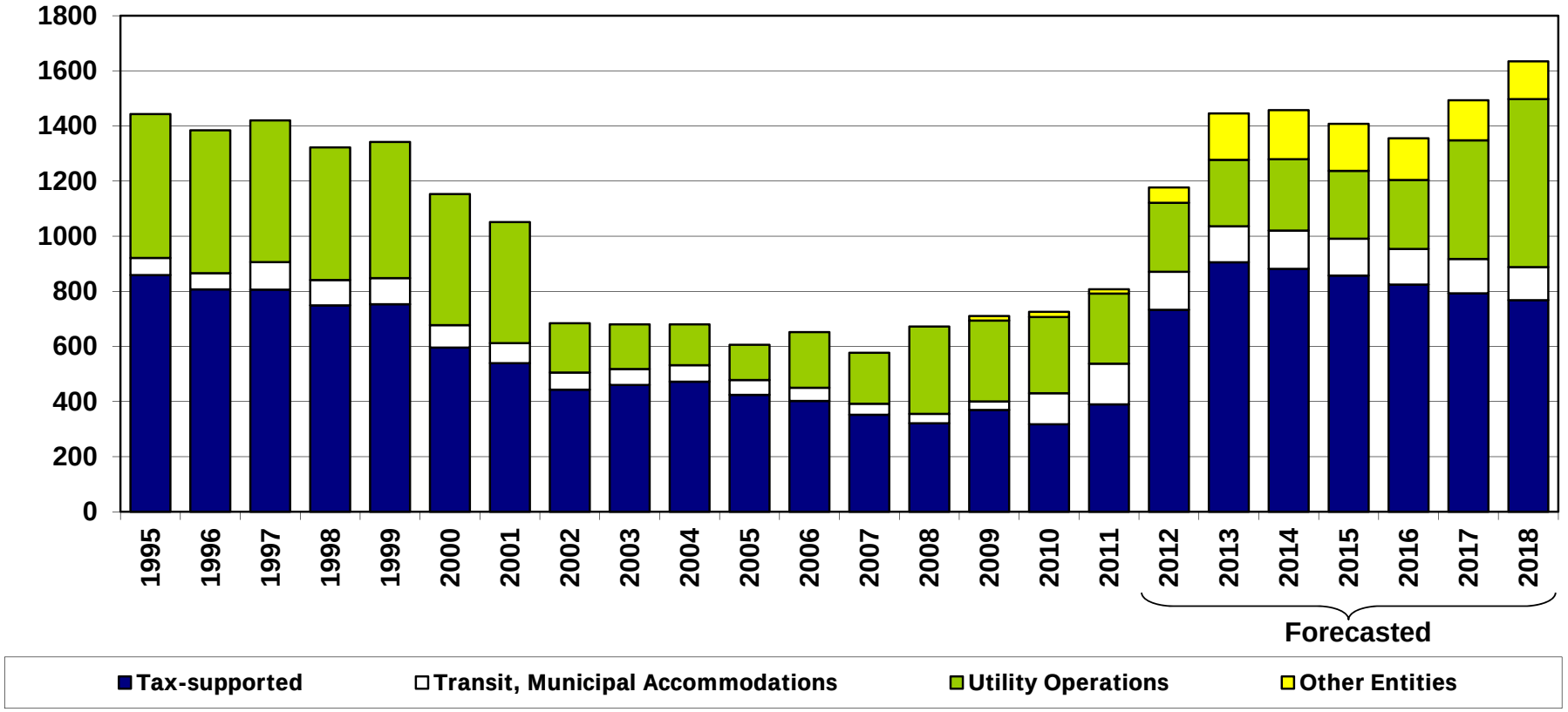
# CAPITAL PROJECTS
## 2013 – 2018 Authorizations
(millions of dollars)




Excludes P3 payments

Winnipeg

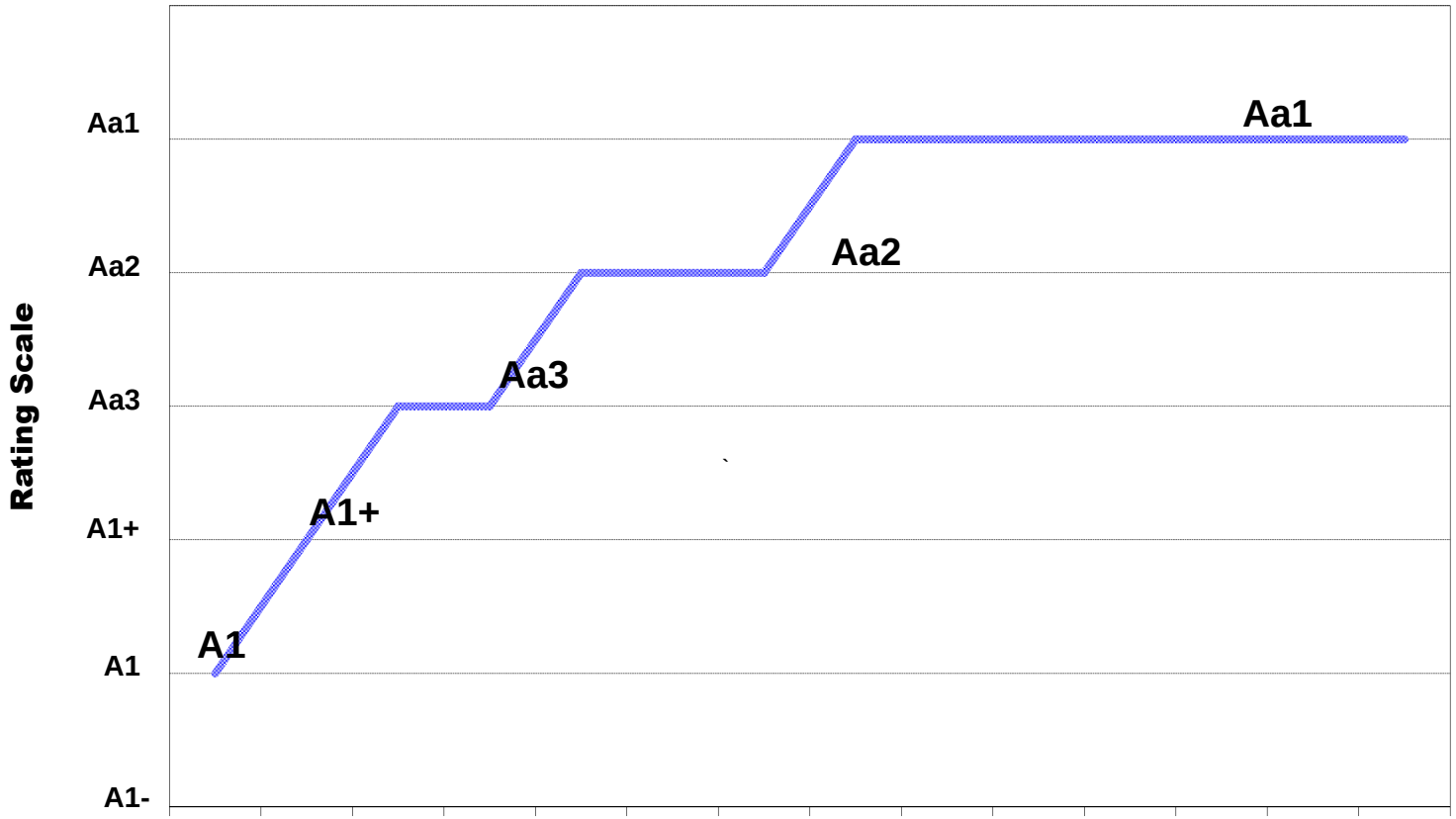
# CITY OF WINNIPEG NET DEBT PER CAPITA
## at December 31st




- Debenture debt and P3 obligations included
- Other Entities included in 2009 and subsequent years
- Southwest Rapid Transit Corridor-Stage 2 excluded until other partner funding is confirmed.

Winnipeg

# CREDIT RATING




Source Moody's Investors Service

Winnipeg

# CITY OF WINNIPEG




Winnipeg

# City Spending on Infrastructure

Back to Table of Contents

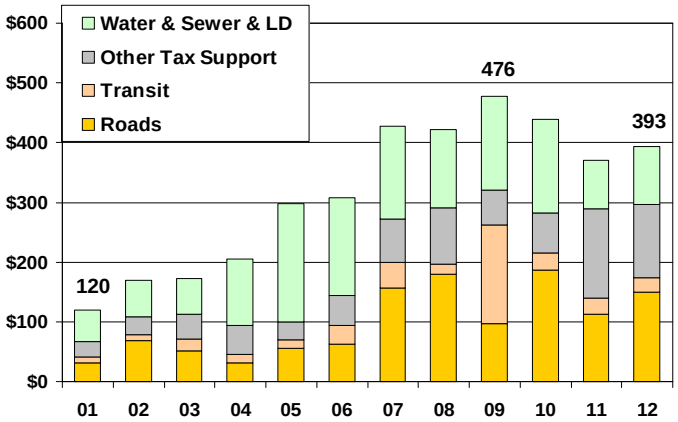
***"Although the negative impacts of inadequate public infrastructure are only starting to mount – and become visible to Canadians on a day-to-day basis – we believe that ongoing neglect of the nation's capital stock presents one of the greatest risks to the country's overall quality of life."***

*TD Bank, May 2004*

**Increased capital spending –** After reductions in capital spending in the late 1990s, the City has, over the last eight years, significantly increased its capital budget. This is partly due to:

- Major wastewater upgrades;
- Use of debt financing for rapid transit, police headquarters and other large projects;
- Use of P3s for the Disraeli Bridge and the Chief Peguis Trail extension;
- Infrastructure funding from the Federal and Provincial governments.

**City's Capital Budgets, 2001 to 2012**
**(in millions $)**




Source: Annual Capital Budget documents

## Factors affecting the increasing need for Infrastructure Spending

- **Capital spending has been deferred -** During the 1990s the City was borrowing large sums annually to build new infrastructure and renew existing infrastructure. With no population growth and the City's debt having grown to nearly $1 billion, the City stopped borrowing in 1998.
- **Asset management practices implemented -** City Departments have set up asset management units and are implementing leading practices to manage the City's infrastructure. This more detailed and sophisticated examination will result in additional infrastructure deficit items being identified.
- **Construction inflation –** From 2000 to 2013, Winnipeg's overall construction inflation is estimated at about 80%. Thus even if the City infrastructure deficit inventory backlog was not growing, it would still cost 80% more to repair today than it did in the year 2000.
- **Population Growth -** The most recent population forecast was developed by the Conference Board of Canada in 2012. The City of Winnipeg is forecasted to grow by 209,000 people over the next 23 years with a corresponding need for 103,000 more dwelling units, of which nearly half will be multiple units. As comparison, once completed, all of Waverley West is expected to have 12,000 dwelling units. Thus the City's growth will necessitate additional capital projects for roads, bridges, rapid transit, water and sewer extensions, and facilities such as libraries, fire, police, recreation, etc.
- **Changing Provincial and Federal Legislation -** For wastewater treatment, provincial environmental and operating license legislation has required the service to go through a $1.2 to $1.8 billion upgrade to its wastewater treatment plants.

# City Infrastructure Spending – Comparing other Cities

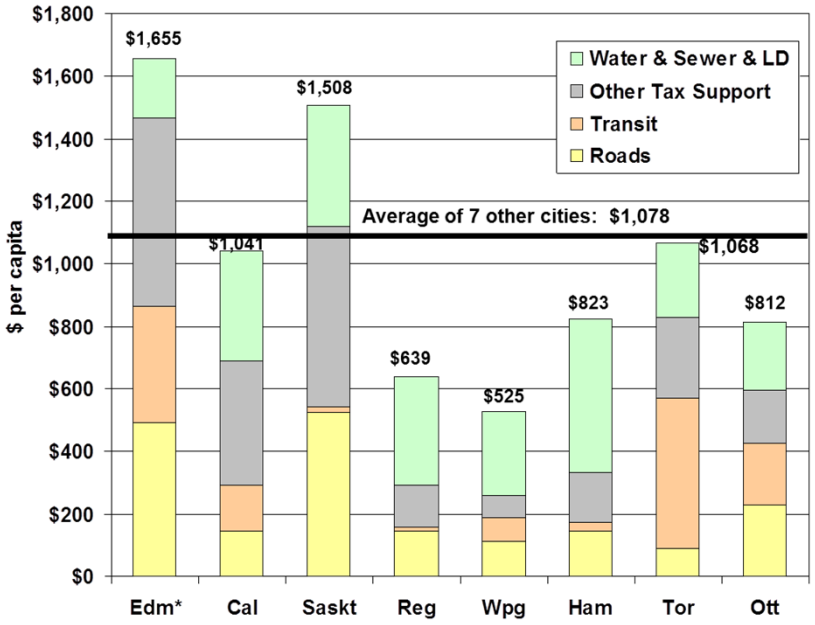
***"The infrastructure needs of Canada's cities—both for new construction and the rehabilitation of existing infrastructure—are significant and growing."***

*Canada West Foundation, Sept 2006*

**When we compare the average annual Capital Budgets of these eight cities, Winnipeg spends the least** ($525) and Edmonton spends the most ($1,655) on a per capita basis. Levels of capital spending vary significantly between cities. The spending average of the other seven cities is twice what Winnipeg is currently planning to spend.

When looking at each of the components individually, the majority of Winnipeg's capital funding is going towards water and sewer infrastructure; the next largest amount goes towards roads and then to transit.

## Average Annual Capital Budget Comparisons
### $ Per Capita

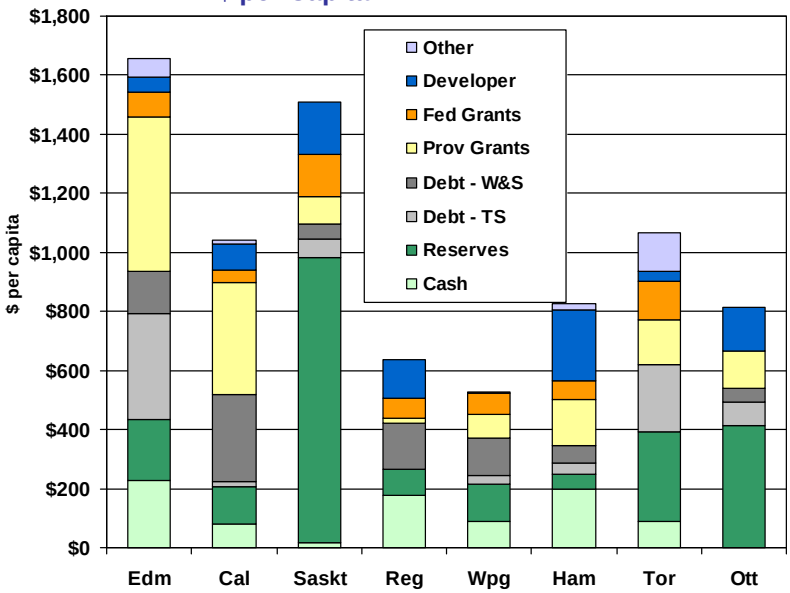



•City of Edmonton's capital budget does not include Water (EPCOR)
Based on 2009 multi year capital budgets
Saskatoon includes city owned development work
Information from 2009 Infrastructure Deficit report to Council

When we look further at how cities fund their capital work, it's interesting to see what revenue sources each of the cities relies on.

When we look at the components of what makes up Winnipeg's capital budget (on a per capita basis), we see that both the provincial grants and developer fees are the lowest of the 7 other cities.

## Revenue Sources - Average Annual Capital Budget
### In $ per Capita



# Infrastructure Deficit

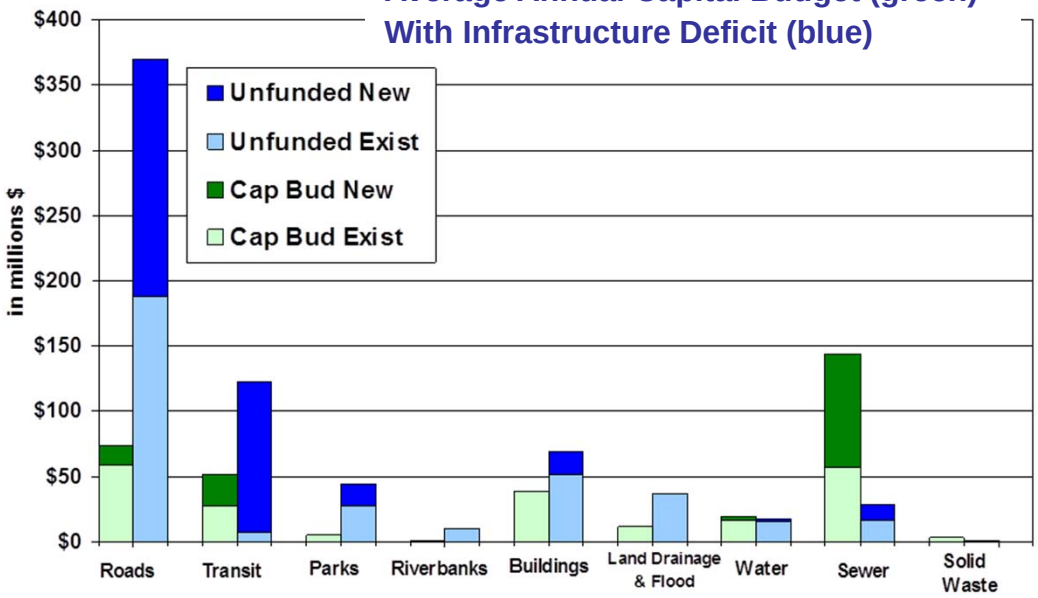
***For the past 20 years, municipalities have been caught in a fiscal squeeze caused by growing responsibilities and reduced revenues. As a result, they were forced to defer needed investment, and municipal infrastructure continued to deteriorate, with the cost of fixing it climbing five-fold from an estimated $12 billion in 1985 to $60 billion in 2003. This cost is the municipal infrastructure deficit, and today it has reached $123 billion.*** *Dr Mirza, McGill University, Nov 2007*

In 2009 the City of Winnipeg Infrastructure Deficit was estimated at $3.5 billion and is expected to grow by $3.9 billion over the next 10 years resulting in an expected shortfall of $7.4 billion by the year 2018.

The $7.4 billion Infrastructure Deficit is made up of two parts: $3.8 billion relating to existing/current infrastructure and $3.6 billion related to new additional infrastructure. (Note: replacing an existing fire station with a new fire station is categorized as "existing" infrastructure. Adding a new fire station to an area, such as southeast Winnipeg, is categorized as "new" infrastructure.)

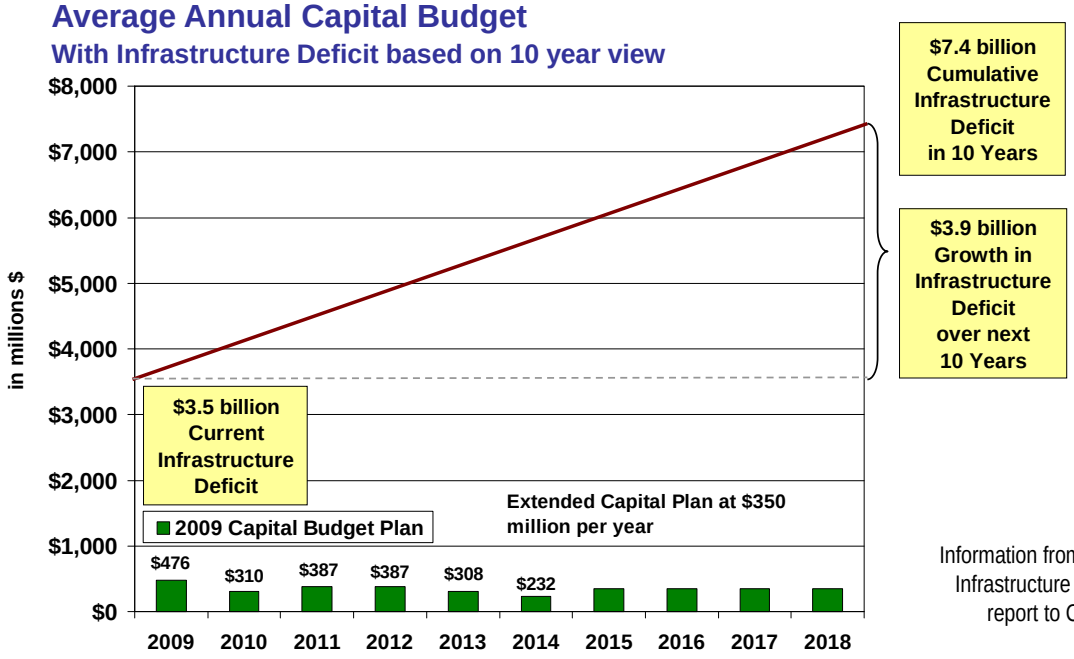
The chart shows the annual spending on infrastructure in green and the needed but unfunded projects in blue.

**Average Annual Capital Budget (green)**
**With Infrastructure Deficit (blue)**




80% of the new infrastructure is related to transportation; roads, bridges, buses and rapid transit. By far the greatest gap between funded and unfunded need is transportation (roads and transit), although parks and City buildings require significant funding as well.

**Average Annual Capital Budget**
**With Infrastructure Deficit based on 10 year view**




Information from 2009 Infrastructure Deficit report to Council

# Provincial Grants

**Winnipeg is now ranked 4th in grants received by the province.**

The Province of Manitoba provides annual operating and capital grants to the City of Winnipeg – for 2010 the grants totaled $190 million or $278 per Winnipegger.

As shown below, in 2002, Winnipeg received $177 in per capita grants which was the highest of the 7 other Canadian cities reviewed. But by 2010, even with an increase of 68% in grants, Winnipeg is now ranked 4th and is 17% less than the average of the other 7 cities. This was primarily due to large increases in provincial capital grants to other cities which resulted in nearly tripling their grants.

### Provincial Grants - In dollars per capita

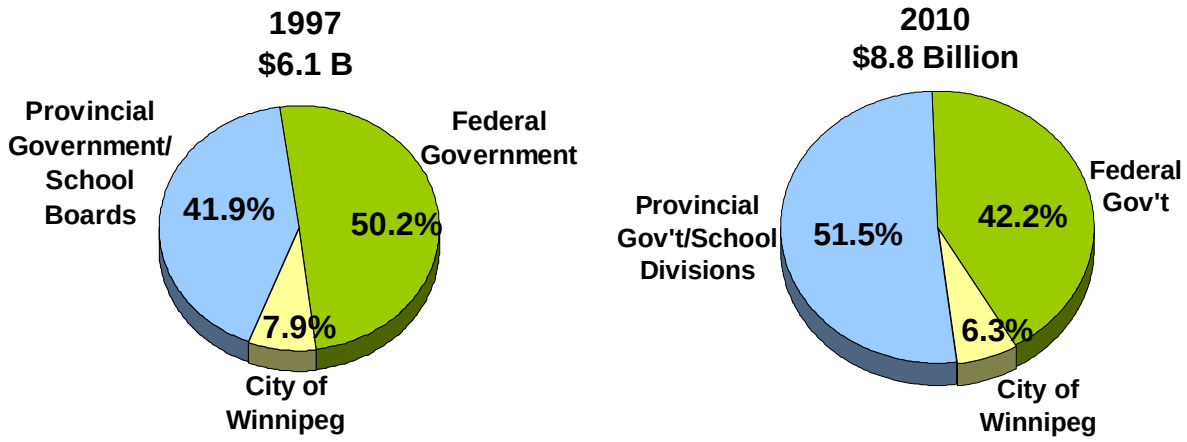
| Total Grants | Edm | Cal | Sask | Reg | Wpg | Ham | Tor | Ott | Average of Other Cities |
|---|---|---|---|---|---|---|---|---|---|
| **2002 Actual** | $150 | $155 | $50 | $64 | $177 | $86 | $67 | $50 | $89 |
| **2010 Actual** | $579 | $536 | $173 | $229 | $278 | $344 | $244 | $231 | $334 |
| rank | 1 | 2 | 8 | 7 | 4 | 3 | 5 | 6 | |

| 2010 Actual | Edm | Cal | Sask | Reg | Wpg | Ham | Tor | Ott | Average of Other Cities |
|---|---|---|---|---|---|---|---|---|---|
| **Operating** | $91 | $148 | $166 | $173 | $187 | $87 | $98 | $44 | $115 |
| **Capital** | $487 | $388 | $8 | $57 | $91 | $257 | $146 | $186 | $218 |

Source: Annual Financial reports Ontario FIR reports. Excludes social services, public health and housing grants

Winnipeg currently receives the most in operating grants but lags a distant fourth in capital grants. The average capital grants of the top 3 cities equals to $377 per capita which is over 4 times the amount of what Winnipeg receives in capital grants.

## Total Estimated Taxes Paid by Winnipeggers




Source: Revenue Canada Agency and annual financial report.

Does not include transfers

In 1997, 7.9% of all the taxes Winnipeggers paid was collected by the City of Winnipeg; while 41.9% went to the Province, and 50.2% went to the Federal Government.

In 2010, the City government's piece of the tax pie has decreased; and so has the Federal Government's portion.

On the other hand, the Province's piece of the pie has increased.

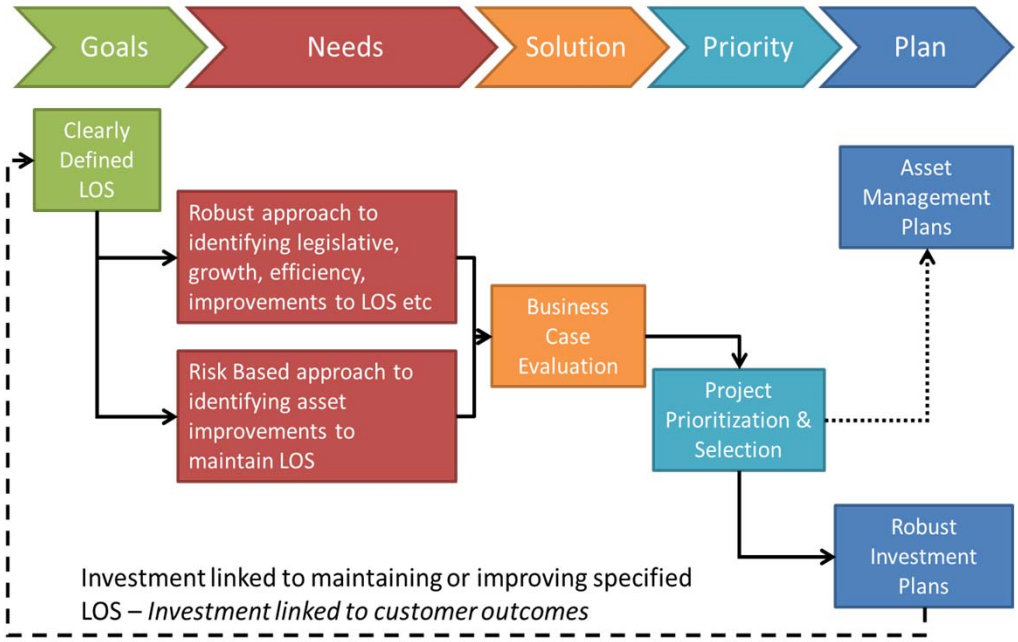
**The City of Winnipeg now collects only 6.3% of the total taxation paid by Winnipeggers.**

# Asset Management Program Initiative

Asset Management practices are evolving in the City of Winnipeg. Over the past few years, three departments have commenced the new asset management approach (Roads & Bridges, Water & Waste and Municipal Buildings). The remaining service areas are starting to follow the new regimented asset management approach.

The goal of the Asset Management Initiative is to set up corporate standards / leading practices and processes to ensure an effective and efficient comprehensive asset management program. The program will align spending with infrastructure priorities, delivering established levels of service at an acceptable level of risk, while minimizing the lifecycle costs of ownership.

**Investment Planning Framework**




**Benefits**

The Asset Management Program will allow the City to:

- Prioritize needs over wants;
- Improve asset knowledge management and use data to drive decision making;
- Lower overall cost of asset ownership;
- Make the right investments at the right time;
- Better allocation of scarce resources through risk management.

**Asset Management Plans**

The Asset Management Plan (AMP) will be developed for each service area. The AMP will set out the generic optimized approach to whole life cycle asset management of a particular service area and will focus on the delivery of service to the customer and the assets and resources required to efficiently and effectively deliver that service. The AMP will specify the generic approaches to capital intervention decision making, planned operation, planned maintenance, and condition and performance monitoring. They will be consistent with, and account for the combined impact of any relevant asset master plans; be balancing service, whole life efficiency and risk; and be derived from analysis of the overall asset inventory. The AMP will include both the longer term strategy for the assets and the asset management staff (capabilities & competencies) within the service area.

# City Debt and Credit Rating

***"The City of Winnipeg's Aa1 rating and stable outlook are supported by a disciplined fiscal plan, which has led to improving debt and debt servicing ratios.***

*Moody's Investors Service. October 26, 2012*

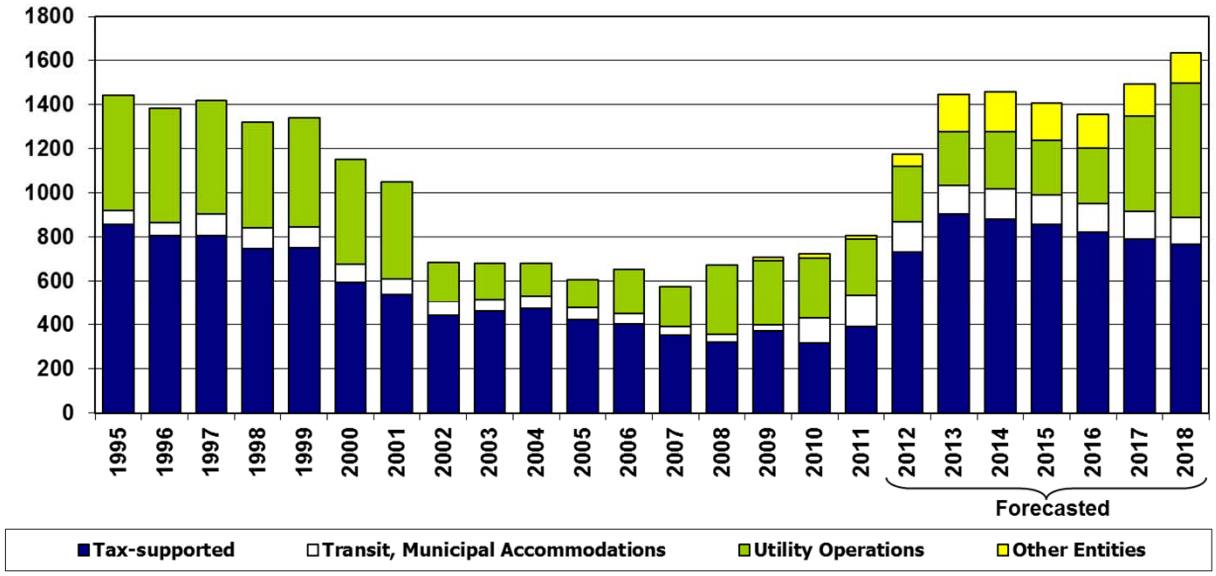
**Over the last decade the City has:**
- **been paying down the past debt,**
- **built up reserves, and**
- **developed a debt strategy.**

This has resulted in improved credit ratings from A1 in 1999 to Aa1 since 2006.

In 2008, Winnipeg had $716 per capita of net debt while the average of 7 other cities was $869 per capita. Calgary was at the high end with $1,878 per capita and Regina was at the bottom with under $200 per capita net debt.

Since then, with several commitments to: rapid transit, P3 projects such as Disraeli and Chief Peguis Trail, police headquarters along with wastewater treatment upgrades, the City is forecasted to increase its net debt significantly.

**CITY OF WINNIPEG NET DEBT PER CAPITA**
**at December 31st**




- Debenture debt and P3 obligations included
- Other Entities included in 2009 and subsequent years
- Southwest Rapid Transit Corridor-Stage 2 excluded until other partner funding is confirmed.

## Debt Strategy

On June 22, 2011, City Council approved a Debt Strategy for the City. The following table provides the City Council-approved limits, the debt metrics as at December 31, 2011 and the forecasted peak based on City Council-approved borrowing and the 2013 Capital Budget and Five-Year Forecast:

| Debt Metrics | Maximum | As at December 31, 2011 | Forecasted Peak |
|---|---|---|---|
| Debt as a % of revenue | | | |
| City | 85.0% | 38.0% | 69.0% |
| Tax-supported and other funds | 60.0% | 28.2% | 58.2% |
| Self-supporting utilities | 220.0% | 62.4% | 148.9% |
| Debt-servicing as a % of revenue | | | |
| City | 11.0% | 6.3% | 7.8% |
| Tax-supported and other funds | 10.0% | 4.6% | 7.5% |
| Self-supporting utilities | 20.0% | 9.6% | 12.5% |
| Debt per capita | | | |
| City | $ 2,050 | $ 807 | $ 1,695 |
| Tax-supported and other funds | $ 1,050 | $ 537 | $ 1,036 |
| Self-supporting utilities | $ 950 | $ 254 | $ 723 |

Note:

1. Southwest Rapid Transit Corridor-Stage 2 excluded until other partner funding is confirmed.

2. "City" includes "Tax-supported and other funds, " "Self-supporting utilities" and consolidated entities; "Tax-supported and other funds" includes Municipal Accommodations, Transit System and Fleet Management; and "Self-supporting utilities" includes Waterworks System, Sewage Disposal System and Solid Waste Disposal. "Forecasted Peak" does not account for the implications of consolidated accounting entries.

Back to Table of Contents

The City of Winnipeg

# CAPITAL PROJECTS SUMMARY

## 2013
## Preliminary Capital Budget

**and**

## 2014 to 2018
## Five Year Forecast

**January 9, 2013**

**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, the Manitoba Winnipeg Infrastructure Program and Provincial funding for Road Improvements financing amounts are not all allocated to individual capital projects. These unallocated financing amounts will offset cash to capital requirements.

3. The Public Service uses the Association for the Advancement of Cost Engineering (AACE) International Classification system for capital budget estimate purposes for all non-scalable projects. Capital estimates for non-scalable projects contained in this budget document are supported by a class 4 or 5 estimate, unless specifically noted.

Back to Table of Contents

# Table of Contents

**Summary of Capital Program ..... 2-1**

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

## Tax Supported

Public Works ..... 2-5

Local Improvements ..... 2-8

Community Services ..... 2-9

Winnipeg Police Service ..... 2-10

Fire Paramedic Service ..... 2-11

Planning, Property and Development ..... 2-11

Municipal Accommodations ..... 2-12

City Clerks ..... 2-13

Corporate Support Services ..... 2-13

Assessment and Taxation ..... 2-13

Other Projects ..... 2-13

Transit ..... 2-14

Water and Waste ..... 2-15

## Utilities

Waterworks System ..... 2-16

Sewage Disposal System ..... 2-18

Solid Waste Disposal System ..... 2-20

## Special Operating Agencies

Winnipeg Golf Services ..... 2-21

Back to Capital Projects Summary
Table of Contents



| ***CAPITAL PROJECTS SUMMARY***<br>*(in Thousands of $)* | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|
| | BUDGET | FORECAST | | | | | 2013-2018 6 YEAR |
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | TOTAL |
| **SUMMARY OF CAPITAL PROGRAM** | | | | | | | |
| Public Works | **116,799** | **80,400** | **66,245** | **77,611** | **77,492** | **82,932** | **501,479** |
| Local Improvements | | **2,000** | **2,000** | **2,000** | **2,000** | **2,000** | **10,000** |
| Water and Waste | **16,350** | **15,098** | **16,450** | **16,733** | **17,350** | **16,550** | **98,531** |
| Community Services and Community Incentive Grants | **25,689** | **25,362** | **28,360** | **17,593** | **17,888** | **23,751** | **138,643** |
| Winnipeg Police Service | **11,963** | **4,964** | **4,286** | **9,350** | **5,558** | **3,932** | **40,053** |
| Fire Paramedic Service | **5,000** | **858** | **5,000** | **4,000** | **4,000** | **3,160** | **22,018** |
| Planning, Property and Development | **5,841** | **5,630** | **6,155** | **6,000** | **5,933** | **5,768** | **35,327** |
| City Clerks | **650** | **700** | **500** | **500** | **350** | **450** | **3,150** |
| Corporate Support Services | **2,088** | **2,961** | **2,837** | **1,698** | **4,670** | **2,831** | **17,085** |
| Assessment and Taxation | | | **750** | **500** | **350** | **320** | **1,920** |
| Other Projects | **550** | **250** | | | | | **800** |
| **Sub-Total Tax Supported General** | **184,930** | **138,223** | **132,583** | **135,985** | **135,591** | **141,694** | **869,006** |
| Municipal Accommodations | **23,555** | **8,904** | **9,185** | **7,921** | **9,198** | **9,037** | **67,800** |
| Transit | **28,402** | **39,447** | **150,904** | **28,021** | **29,185** | **29,838** | **305,797** |
| **Total Tax Supported Including Transit and Municipal Accommodations** | **236,887** | **186,574** | **292,672** | **171,927** | **173,974** | **180,569** | **1,242,603** |
| **UTILITIES** | | | | | | | |
| Waterworks System | **35,880** | **32,910** | **27,850** | **32,400** | **29,450** | **30,850** | **189,340** |
| Sewage Disposal System | **87,495** | **137,950** | **262,900** | **210,600** | **158,900** | **138,786** | **996,631** |
| Solid Waste Disposal System | **14,400** | **26,500** | **1,400** | **1,650** | **1,450** | **1,650** | **47,050** |
| **Total Utilities** | **137,775** | **197,360** | **292,150** | **244,650** | **189,800** | **171,286** | **1,233,021** |
| **SPECIAL OPERATING AGENCIES** | | | | | | | |
| Winnipeg Golf Services | | | | | | | |
| **Total Special Operating Agencies** | | | | | | | |
| **TOTAL CAPITAL PROGRAM** | **374,662** | **383,934** | **584,822** | **416,577** | **363,774** | **351,855** | **2,475,624** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|
| | BUDGET | FORECAST | | | | | 2013-2018 6 YEAR TOTAL |
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | |
| **SUMMARY OF FINANCING SOURCES** | | | | | | | |
| Cash to Capital | 71,478 | 73,478 | 75,478 | 77,478 | 79,478 | 81,478 | 458,868 |
| Public Private Partnership Annual Service / Financing Payments | (28,662) | (29,253) | (30,528) | (30,493) | (30,453) | (30,512) | (179,901) |
| Reserves: | | | | | | | |
| - Transit Bus Replacement | 6,428 | 7,644 | 6,938 | 8,466 | 9,630 | 9,630 | 48,736 |
| - Watermain Renewal | 15,000 | 16,000 | 17,000 | 17,000 | 17,500 | 18,000 | 100,500 |
| - Sewer System Rehabilitation | 25,900 | 25,600 | 26,400 | 27,200 | 28,100 | 28,500 | 161,700 |
| - Environmental Projects | 18,842 | 19,057 | 21,819 | 20,755 | 23,100 | 18,100 | 121,673 |
| - Waste Diversion | 1,600 | 800 | | 200 | | 200 | 2,800 |
| - Land Operating / Rapid Transit Infrastructure | 22,470 | 4,286 | 19,932 | 1,415 | 965 | 965 | 50,033 |
| - Contributions in Lieu of Land Dedication | 2,000 | | | | | | 2,000 |
| - Local Street Renewal | 4,000 | 3,780 | 3,780 | 3,780 | 3,780 | 3,780 | 22,900 |
| - Golf Course | 23 | 23 | 23 | | | | 69 |
| - Economic Development Investment | | 700 | 1,100 | 1,600 | 2,100 | 3,730 | 9,230 |
| Interim Financing (Repayment) | | (3,321) | (18,967) | (450) | | | (22,738) |
| Contributions from Other Levels of Government: | | | | | | | |
| - Federal Gas Tax | 40,450 | 40,450 | 40,450 | 40,450 | 40,450 | 40,450 | 242,700 |
| - Veterans Affairs Canada | 150 | 150 | 150 | 150 | 150 | 150 | 900 |
| - Manitoba Winnipeg Infrastructure Fund | 16,170 | 16,166 | 16,666 | 16,666 | 16,666 | 16,666 | 99,000 |
| - Building Manitoba Fund | 10,840 | 10,840 | 10,840 | 10,840 | 10,840 | 10,840 | 65,040 |
| - Provincial Government Funding | 2,250 | | | | | | 2,250 |
| - Provincial Funding for Road Improvements | 22,950 | 26,150 | 21,250 | 28,750 | 26,500 | 25,000 | 150,600 |
| Other Funders: | | | | | | | |
| - Developer Capacity Charges | | 500 | 500 | 1,375 | 500 | | 2,875 |
| - Insurance Proceeds | 900 | | | | | | 900 |
| - Sponsorship | 500 | | | | | | 500 |
| Retained Earnings - Transit | 1,000 | | | | | | 1,000 |
| Retained Earnings - Utilities | 58,675 | 109,253 | 82,007 | 71,450 | 31,400 | 18,550 | 371,335 |
| Debt | 66,434 | 58,933 | 289,984 | 119,945 | 103,068 | 106,328 | 744,692 |
| Riverbank Management Committee Fund (Fund 002) | 330 | | | | | | 330 |
| Transfers from Other Capital Accounts / Surplus Capital | 14,934 | 2,698 | | | | | 17,632 |
| **TOTAL FINANCING SOURCES** | 374,662 | 383,934 | 584,822 | 416,577 | 363,774 | 351,855 | 2,475,624 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | **PRELIMINARY CAPITAL** | | | | | | |
|---|---|---|---|---|---|---|---|
| | **BUDGET** | **FORECAST** | | | | | **2013-2018 6 YEAR** |
| | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | **TOTAL** |
| **FINANCING SOURCES** | | | | | | | |
| **TAX SUPPORTED** | | | | | | | |
| Cash to Capital | **71,501** | **73,501** | **75,501** | **77,478** | **79,478** | **81,478** | **458,937** |
| Public Private Partnership Annual Service / Financing Payments | **(28,662)** | **(29,253)** | **(30,528)** | **(30,493)** | **(30,453)** | **(30,512)** | **(179,901)** |
| Reserves: | | | | | | | |
| - Transit Bus Replacement | **6,428** | **7,644** | **6,938** | **8,466** | **9,630** | **9,630** | **48,736** |
| - Economic Development Investment | | **700** | **1,100** | **1,600** | **2,100** | **3,730** | **9,230** |
| - Sewer System Rehabilitation | **11,300** | **10,300** | **10,300** | **10,300** | **10,300** | **10,300** | **62,800** |
| - Land Operating / Rapid Transit Infrastructure | **22,470** | **4,286** | **19,932** | **1,415** | **965** | **965** | **50,033** |
| - Contributions in Lieu of Land Dedication | **2,000** | | | | | | **2,000** |
| - Local Street Renewal | **4,000** | **3,780** | **3,780** | **3,780** | **3,780** | **3,780** | **22,900** |
| Interim Financing (Repayment) | | **(3,321)** | **(18,967)** | **(450)** | | | **(22,738)** |
| Contributions from Other Levels of Government: | | | | | | | |
| - Federal Gas Tax | **40,450** | **40,450** | **40,450** | **40,450** | **40,450** | **40,450** | **242,700** |
| - Veterans Affairs Canada | **150** | **150** | **150** | **150** | **150** | **150** | **900** |
| - Manitoba Winnipeg Infrastructure Fund | **16,170** | **16,166** | **16,666** | **16,666** | **16,666** | **16,666** | **99,000** |
| - Building Manitoba Fund | **10,840** | **10,840** | **10,840** | **10,840** | **10,840** | **10,840** | **65,040** |
| - Provincial Government Funding | **2,250** | | | | | | **2,250** |
| - Provincial Funding for Road Improvements | **22,950** | **26,150** | **21,250** | **28,750** | **26,500** | **25,000** | **150,600** |
| Other Funders: | | | | | | | |
| - Developer Capacity Charges | | **500** | **500** | **1,375** | **500** | | **2,875** |
| - Insurance Proceeds | **900** | | | | | | **900** |
| - Sponsorship | **500** | | | | | | **500** |
| Debt | **37,376** | **21,983** | **134,760** | **1,600** | **3,068** | **8,092** | **206,879** |
| Retained Earnings - Transit | **1,000** | | | | | | **1,000** |
| Riverbank Management Committee Fund (Fund 002) | **330** | | | | | | **330** |
| Transfers from Other Capital Accounts / Surplus Capital | **14,934** | **2,698** | | | | | **17,632** |
| **Total Tax Supported Including Transit and Municipal Accommodations** | **236,887** | **186,574** | **292,672** | **171,927** | **173,974** | **180,569** | **1,242,603** |

| ***CAPITAL PROJECTS SUMMARY***<br>*(in Thousands of $)* | **PRELIMINARY CAPITAL** | | | | | | |
|---|---|---|---|---|---|---|---|
| | **BUDGET** | **FORECAST** | | | | | **2013-2018 6 YEAR TOTAL** |
| | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | |
| **UTILITIES** | | | | | | | |
| Reserves: | | | | | | | |
| - Sewer System Rehabilitation | **14,600** | **15,300** | **16,100** | **16,900** | **17,800** | **18,200** | **98,900** |
| - Watermain Renewal | **15,000** | **16,000** | **17,000** | **17,000** | **17,500** | **18,000** | **100,500** |
| - Environmental Projects | **18,842** | **19,057** | **21,819** | **20,755** | **23,100** | **18,100** | **121,673** |
| - Waste Diversion | **1,600** | **800** | | **200** | | **200** | **2,800** |
| Retained Earnings - Utilities | **58,675** | **109,253** | **82,007** | **71,450** | **31,400** | **18,550** | **371,335** |
| Debt | **29,058** | **36,950** | **155,224** | **118,345** | **100,000** | **98,236** | **537,813** |
| **TOTAL UTILITIES** | **137,775** | **197,360** | **292,150** | **244,650** | **189,800** | **171,286** | **1,233,021** |
| **SPECIAL OPERATING AGENCIES** | | | | | | | |
| - Cash to Capital | **(23)** | **(23)** | **(23)** | | | | **(69)** |
| - Golf Course Reserve | **23** | **23** | **23** | | | | **69** |
| **TOTAL SPECIAL OPERATING AGENCIES** | | | | | | | |
| **TOTAL FINANCING SOURCES** | **374,662** | **383,934** | **584,822** | **416,577** | **363,774** | **351,855** | **2,475,624** |

Back to Capital Projects Summary
Table of Contents

| ***CAPITAL PROJECTS SUMMARY***<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **CAPITAL PROJECTS LISTING** | | | | | | | | |
| **PUBLIC WORKS** | | | | | | | | |
| ***Active Transportation Facilities*** | | | | | | | | |
| Recreational Walkways and Bike Paths - Various Locations | 3-1 | **500** | **500** | **500** | **500** | **500** | **500** | **3,000** |
| New Regional Sidewalks | 3-3 | **250** | **250** | **250** | **250** | **250** | **250** | **1,500** |
| Active Transportation Corridors | 3-4 | **500** | **500** | **500** | **500** | **500** | **500** | **3,000** |
| **Total Active Transportation Facilities** | | **1,250** | **1,250** | **1,250** | **1,250** | **1,250** | **1,250** | **7,500** |
| ***Regional Streets*** | | | | | | | | |
| **Street Improvements** | | | | | | | | |
| Developer Payback - Various Locations | 3-5 | | **3,000** | | | | | **3,000** |
| Tuxedo Yards Development<br>- Economic Development Investment Reserve | 3-6 | | **700** | **1,100** | **1,600** | **2,100** | **3,730** | **9,230** |
| Transportation Master Plan | 3-7 | **100** | **250** | **250** | **250** | **250** | **250** | **1,350** |
| Traffic Signals Improvements | 3-8 | **150** | **150** | **150** | **150** | **150** | **150** | **900** |
| Traffic Engineering Improvements - Various Locations | 3-9 | **1,000** | **1,100** | **1,100** | **1,100** | **1,100** | **1,100** | **6,500** |
| Almey Avenue at Ravelston Avenue West - Closing | 3-10 | | **200** | | | | | **200** |
| Kenaston Blvd - Ness Avenue to Taylor Avenue<br>(formerly Kenaston Blvd - Academy Road to Taylor Avenue) | 3-11 | **100** | **100** | **5,100** | **100** | **100** | **100** | **5,600** |
| Panet Rd / Molson St Twinning - Munroe Ave to Grassie Blvd - First charge on 2013 Capital Budget of up to $400,000 (Council December 13, 2011)<br>Detailed design and construction Munroe to Concordia - $7 million<br>- Cash to Capital<br>- External Debt | | <br><br><br>**400**<br>**7,000** | | | | | | <br><br><br>**400**<br>**7,000** |
| Total Panet Rd / Molson St Twinning - Munroe Ave to Grassie Blvd | 3-12 | **7,400** | | | | | | **7,400** |
| Marion Street Widening / Grade Separation and Improvements - Rue Archibald to Lagimodiere Avenue - First charge on 2013 Capital Budget for the Functional Design Study for the Marion Widening/Grade Separation and Improvements of $1.25 million (Council July 18, 2012)<br>- Cash to Capital<br>- External Debt | | <br><br><br>**1,250** | <br><br><br>**5,000** | | | | | <br><br><br>**1,250**<br>**5,000** |
| Total Marion Street Widening / Grade Separation and Improvements - Rue Archibald to Lagimodiere Avenue | 3-13 | **1,250** | **5,000** | | | | | **6,250** |
| Polo Park - Infrastructure Improvements<br>- Cash to Capital<br>- Land Operating Reserve | | <br>**10,000**<br>**20,000** | | | | | | <br>**10,000**<br>**20,000** |
| Total Polo Park - Infrastructure Improvements | 3-14 | **30,000** | | | | | | **30,000** |
| **Total Street Improvements** | | **40,000** | **10,500** | **7,700** | **3,200** | **3,700** | **5,330** | **70,430** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | FORECAST 2015 | FORECAST 2016 | FORECAST 2017 | FORECAST 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **Regional and Local Street Renewal -** First charge on 2013 Capital Budget (1) for Granular Roadways Improvement Program of $500,000 (Council May 30, 2012) and (2) for Local Street Renewal Program for the Reconstruction of Furby Street of $800,000 (Council July 18, 2012) | | | | | | | | |
| - Cash to Capital | | **13,387** | **20,108** | **21,978** | **24,038** | **33,494** | **32,129** | **145,134** |
| - Federal Gas Tax | | **10,510** | **10,605** | **10,675** | **10,755** | **10,830** | **10,905** | **64,280** |
| - Provincial Building Manitoba Fund - Roads | | **7,000** | **7,000** | **7,000** | **7,000** | **7,000** | **7,000** | **42,000** |
| - Local Street Renewal Reserve | | **4,000** | **3,780** | **3,780** | **3,780** | **3,780** | **3,780** | **22,900** |
| - External Debt | | **10,000** | | | | | | **10,000** |
| - Transfer from Prior Years' Surplus | | **207** | | | | | | **207** |
| - Transfer from Prior Years' Surplus- Federal Gas Tax | | **5,323** | **2,377** | | | | | **7,700** |
| **Total Regional and Local Street Renewal** | 3-15 | **50,427** | **43,870** | **43,433** | **45,573** | **55,104** | **53,814** | **292,221** |
| ***Waterway Crossings and Grade Separations*** | | | | | | | | |
| Waverley Street at CN Mainline (Rivers) Grade Separation | | | | | | | | |
| - Cash to Capital | | **700** | | | | | | **700** |
| - Provincial Funding for Road Improvements | | **500** | | | | | | **500** |
| Total Waverley Street at CN Mainline (Rivers) Grade Separation | 3-18 | **1,200** | | | | | | **1,200** |
| Louise Bridge (Red River) | | | | | | | | |
| - Cash to Capital | | | **1,381** | | **1,000** | | | **2,381** |
| - Provincial Funding for Road Improvements | | | **1,200** | | **1,000** | | | **2,200** |
| Total Louise Bridge (Red River) | 3-19 | | **2,581** | | **2,000** | | | **4,581** |
| CPR Yards Functional Crossing Study - between McPhillips Street and Main Street | 3-20 | **1,500** | | | | **2,000** | | **3,500** |
| Fermor Avenue Bridge (Seine River) | 3-21 | | | | **500** | **700** | **6,800** | **8,000** |
| Saskatchewan Avenue Culvert (Sturgeon Creek) | 3-22 | | | | **1,000** | **1,000** | | **2,000** |
| Pembina Highway Underpass | 3-23 | | | | | | **6,000** | **6,000** |
| St. James Street Bridge (Omand's Creek) | | | | | | | | |
| - Cash to Capital | | **650** | **511** | | | | | **1,161** |
| - Provincial Funding for Road Improvements | | **50** | **950** | | | | | **1,000** |
| Total St. James Street Bridge (Omand's Creek) | 3-24 | **700** | **1,461** | | | | | **2,161** |
| Ness Avenue Culvert (Sturgeon Creek) | | | | | | | | |
| - Cash to Capital | | | **500** | **1,000** | **7,000** | | | **8,500** |
| - Provincial Funding for Road Improvements | | | **500** | **1,000** | **4,000** | | | **5,500** |
| Total Ness Avenue Culvert (Sturgeon Creek) | 3-25 | | **1,000** | **2,000** | **11,000** | | | **14,000** |
| Portage Avenue Bridge (Sturgeon Creek) | | | | | | | | |
| - Cash to Capital | | **450** | **2,500** | | | | | **2,950** |
| - Provincial Funding for Road Improvements | | **250** | **2,500** | | | | | **2,750** |
| Total Portage Avenue Bridge (Sturgeon Creek) | 3-26 | **700** | **5,000** | | | | | **5,700** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | FORECAST 2015 | FORECAST 2016 | FORECAST 2017 | FORECAST 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| Saskatchewan Avenue Bridge (Omand's Creek) | | | | | | | | |
| - 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) | 3-27 | | | **700** | **2,300** | | | **3,000** |
| Lyndale Drive - Retaining Wall Rehabilitation | | | | | | | | |
| - Cash to Capital | | | | **250** | **250** | **1,500** | | **2,000** |
| - Provincial Funding for Road Improvements | | | | **250** | **250** | **1,500** | | **2,000** |
| Total Lyndale Drive - Retaining Wall Rehabilitation | 3-28 | | | **500** | **500** | **3,000** | | **4,000** |
| Osborne Street Underpass | | | | | | | | |
| - Cash to Capital | | | | **1,250** | | **2,500** | | **3,750** |
| - Provincial Funding for Road Improvements | | | | **1,250** | | | | **1,250** |
| Total Osborne Street Underpass | 3-29 | | | **2,500** | | **2,500** | | **5,000** |
| Dublin Avenue Bridge (Omand's Creek) | 3-30 | | | | | | **500** | **500** |
| Waterway Crossing and Grade Separations - Annual Program - First charge on 2013 Capital Budget of $2.2 million (Council March 21, 2012) for the Sturgeon Road Bridge Replacement | 3-31 | **3,200** | **2,000** | **2,000** | **3,000** | **3,000** | **3,000** | **16,200** |
| Disraeli Bridge and Overpass Facility | | | | | | | | |
| - Federal Gas Tax | | **18,645** | **18,550** | **18,480** | **18,400** | **18,325** | **18,250** | **110,650** |
| - Public Private Partnership Annual Service / Financing Payments | | **(18,645)** | **(18,550)** | **(18,480)** | **(18,400)** | **(18,325)** | **(18,250)** | **(110,650)** |
| Total Disraeli Bridge and Overpass Facility | 3-32 | | | | | | | |
| 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 | 3-34 | | | | | | | |
| **Total Waterway Crossings and Grade Separations** | | **7,300** | **12,042** | **7,700** | **20,300** | **12,200** | **16,300** | **75,842** |
| ***New Transportation Facilities*** | | | | | | | | |
| Chief Peguis Trail - Henderson Highway to Lagimodiere Blvd | | | | | | | | |
| - Cash to Capital | | **1,615** | **1,650** | **1,690** | **1,735** | **1,770** | **1,815** | **10,275** |
| - Federal Gas Tax | | **5,415** | **5,415** | **5,415** | **5,415** | **5,415** | **5,415** | **32,490** |
| - Public Private Partnership Annual Service / Financing Payments | | **(7,030)** | **(7,065)** | **(7,105)** | **(7,150)** | **(7,185)** | **(7,230)** | **(42,765)** |
| Total Chief Peguis Trail - Henderson Highway to Lagimodiere Blvd | 3-35 | | | | | | | |
| Waverley West Arterial Roads Project | 3-37 | **9,303** | **5,697** | | | | | **15,000** |
| **Total New Transportation Facilities** | | **9,303** | **5,697** | | | | | **15,000** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| ***Other Streets Projects*** | | | | | | | | |
| Asset Management System - Various Divisions | 3-39 | **405** | **405** | | | **100** | **100** | **1,010** |
| Land Drainage Sewers - Regional / Local Streets | 3-40 | **150** | **150** | **150** | **150** | **150** | **150** | **900** |
| Land Acquisition - Transportation Right of Way | 3-41 | **300** | **300** | **300** | **300** | **300** | **300** | **1,800** |
| **Total Other Streets Projects** | | **855** | **855** | **450** | **450** | **550** | **550** | **3,710** |
| **TOTAL STREETS PROJECTS** | | **109,135** | **74,214** | **60,533** | **70,773** | **72,804** | **77,244** | **464,703** |
| ***Parks and Open Space*** | | | | | | | | |
| Reforestation - Improvements | 3-42 | **383** | **383** | **383** | **383** | **383** | **383** | **2,298** |
| Athletic Fields - Improvements | 3-43 | **200** | **200** | **124** | **200** | **200** | **200** | **1,124** |
| Parks - Improvements | 3-44 | **677** | **653** | **655** | **655** | **655** | **655** | **3,950** |
| Regional and Community Parks - Buildings | 3-45 | **200** | **1,500** | | **2,150** | | | **3,850** |
| Playground Structures | 3-46 | **1,800** | **1,800** | **1,800** | **1,800** | **1,800** | **1,800** | **10,800** |
| Hardsurface Upgrading | 3-47 | **150** | **150** | | **150** | **150** | **150** | **750** |
| Community Park Amenities | 3-48 | **1,500** | **1,500** | **1,500** | **1,500** | **1,500** | **1,500** | **9,000** |
| Insect Control - Information System | 3-49 | | | **1,250** | | | | **1,250** |
| Insect Control - Replace 3 Grey Street Operations Building | 3-50 | | | | | | **1,000** | **1,000** |
| Dutch Elm Disease Strategy | | | | | | | | |
| - Transfer from Departmental Non-specified Capital Account | | **1,404** | | | | | | **1,404** |
| - Provincial Funding for DED Strategy | | **1,350** | | | | | | **1,350** |
| Total Dutch Elm Disease Strategy | 3-51 | **2,754** | | | | | | **2,754** |
| **Total Parks and Open Space** | | **7,664** | **6,186** | **5,712** | **6,838** | **4,688** | **5,688** | **36,776** |
| **TOTAL PUBLIC WORKS** | | **116,799** | **80,400** | **66,245** | **77,611** | **77,492** | **82,932** | **501,479** |
| **LOCAL IMPROVEMENTS - Ongoing Program** | | | | | | | | |
| - Cash to Capital | | | **400** | **400** | **400** | **400** | **400** | **2,000** |
| - External Debt | | | **1,600** | **1,600** | **1,600** | **1,600** | **1,600** | **8,000** |
| **TOTAL LOCAL IMPROVEMENTS** | 3-52 | | **2,000** | **2,000** | **2,000** | **2,000** | **2,000** | **10,000** |

Back to Capital Projects Summary
Table of Contents

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **COMMUNITY SERVICES** | | | | | | | | |
| Community Incentive Grant Program | 3-53 | 1,569 | 1,600 | 1,632 | 1,665 | 1,698 | 1,732 | 9,896 |
| Library Interior Infrastructure Replacement Program (formerly Library Shelving and Furniture Replacement Program) | | | | | | | | |
| - Cash to Capital | | 200 | 200 | 200 | 200 | 300 | 306 | 1,406 |
| - External Debt | | 600 | 300 | 300 | | 300 | 300 | 1,800 |
| Total Library Interior Infrastructure Replacement Program | 3-54 | 800 | 500 | 500 | 200 | 600 | 606 | 3,206 |
| Library Facility Redevelopment - New Infrastructure (formerly Library Replacement - New Infrastructure) | | | | | | | | |
| - External Debt | 3-55 | 6,776 | 5,083 | 5,360 | | 1,168 | 6,192 | 24,579 |
| Library Refurbishment and Redevelopment Program - Existing Infrastructure (formerly Renovate and Refurbish Various Library Branches Program - Existing Infrastructure) | 3-56 | | 1,000 | 1,500 | 500 | 500 | 510 | 4,010 |
| Library Technology Upgrade and Replacement Program | 3-57 | 250 | 500 | 500 | 500 | 500 | 510 | 2,760 |
| Recreational Facility Safety and Accessibility Improvements Program | 3-58 | 400 | 500 | 500 | 600 | 600 | 612 | 3,212 |
| Library Facility Safety and Accessibility Improvements Program (formerly Library Signage, Safety and Accessibility Program) | 3-59 | 200 | 200 | 200 | 200 | 200 | 204 | 1,204 |
| Business Application Systems | 3-60 | 250 | | | | 250 | 306 | 806 |
| Recreation Equipment Program | 3-61 | | | 400 | | 400 | | 800 |
| Technology Upgrade and Replacement Program | 3-62 | | 250 | | | | 306 | 556 |
| Recreation Facility Replacement - New Infrastructure | 3-63 | | | 7,100 | | | 3,150 | 10,250 |
| Recreation Refurbishment and Redevelopment Program - Existing Infrastructure | 3-64 | | | | 1,500 | | 2,040 | 3,540 |
| East Elmwood Community Centre - First charge on 2013 Capital Budget of up to $340,000 (Council December 13, 2011) | | | | | | | | |
| - City (Insurance Proceeds) | | 900 | | | | | | 900 |
| - Provincial Government Funding | | 900 | | | | | | 900 |
| Total East Elmwood Community Centre | 3-65 | 1,800 | | | | | | 1,800 |
| Community Centre Renovation Incentive Grant Program (CCRIGP) | | | | | | | | |
| - Land Operating Reserve | 3-66 | 803 | 965 | 965 | 965 | 965 | 965 | 5,628 |
| Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability | | | | | | | | |
| - Cash to Capital | | 4,123 | 5,123 | 5,123 | 5,123 | 5,123 | 5,123 | 29,738 |
| - Transfer from Prior Authorization | | 1,000 | | | | | | 1,000 |
| Total Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability | 3-67 | 5,123 | 5,123 | 5,123 | 5,123 | 5,123 | 5,123 | 30,738 |
| Assiniboine Park Conservancy (APC) - Capital Development Plan - First charge on 2013 Capital Budget of up to $4.5 million (Council December 13, 2011) | | | | | | | | |
| - Cash to Capital | | 6,090 | 9,641 | 4,580 | 6,340 | 5,884 | 1,495 | 34,030 |
| - External Debt | | 1,413 | | | | | | 1,413 |
| Total Assiniboine Park Conservancy (APC) - Capital Development Plan | 3-68 | 7,503 | 9,641 | 4,580 | 6,340 | 5,884 | 1,495 | 35,443 |
| Improve Access to 765 Keewatin - Sir William Stephenson Library | 3-69 | 215 | | | | | | 215 |
| **TOTAL COMMUNITY SERVICES** | | 25,689 | 25,362 | 28,360 | 17,593 | 17,888 | 23,751 | 138,643 |

Back to Capital Projects Summary
Table of Contents



| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | FORECAST 2015 | FORECAST 2016 | FORECAST 2017 | FORECAST 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **WINNIPEG POLICE SERVICE** | | | | | | | | |
| Communications New Phone System | 3-70 | **1,490** | | | | | | **1,490** |
| Next Generation 911 | 3-71 | **1,900** | | | | | | **1,900** |
| Automated Fingerprint Identification System (AFIS) Replacement<br>- Transfer from Prior Authorization (2012 Winnipeg Police Service Communications Systems) | 3-72 | | **321** | | | | | **321** |
| In Car Computing | 3-73 | **1,200** | | | | | | **1,200** |
| Officer Mobile Video System | 3-74 | | | | **1,000** | | | **1,000** |
| Trunk Radio System | 3-75 | | | | **7,200** | | | **7,200** |
| Radio Upgrade for Districts 3 and 4 | 3-76 | | | | **500** | | | **500** |
| Computer Assisted Dispatch | 3-77 | | | **2,000** | | | | **2,000** |
| Police Divisions Systems Upgrades | 3-78 | **1,273** | **3,743** | **2,286** | **400** | | | **7,702** |
| North Station Information Technology Requirements | 3-80 | | **500** | | | | | **500** |
| East District Police Station | | | | | | | | |
| - Cash to Capital | | **924** | **990** | **990** | **990** | **990** | **1,012** | **5,896** |
| - Public Private Partnership Lease Payments | | **(924)** | **(990)** | **(990)** | **(990)** | **(990)** | **(1,012)** | **(5,896)** |
| Total East District Police Station | 3-81 | | | | | | | |
| South District Police Station | | | | | | | | |
| - Cash to Capital | | **585** | **1,170** | **1,170** | **1,170** | **1,170** | **1,237** | **6,502** |
| - Public Private Partnership Lease Payments | | **(585)** | **(1,170)** | **(1,170)** | **(1,170)** | **(1,170)** | **(1,237)** | **(6,502)** |
| Total South District Police Station | 3-82 | | | | | | | |
| North District Police Station | | | | | | | | |
| - Cash to Capital | | | | **1,305** | **1,305** | **1,305** | **1,305** | **5,220** |
| - Public Private Partnership Lease Payments | | | | **(1,305)** | **(1,305)** | **(1,305)** | **(1,305)** | **(5,220)** |
| Total North District Police Station | 3-83 | | | | | | | |
| Winnipeg Police Headquarters Redevelopment | | | | | | | | |
| - Cash to Capital | | **5,600** | | | | | | **5,600** |
| - Interim Financing from General Capital Fund (Repayment) | | | | **(18,967)** | | | | **(18,967)** |
| - Land Operating Reserve | | | | **18,967** | | | | **18,967** |
| Total Winnipeg Police Headquarters Redevelopment | 3-84 | **5,600** | | | | | | **5,600** |
| Building Video Surveillance Systems | 3-86 | | | | | **4,000** | | **4,000** |
| Communication Centre Back Up Site Upgrade | 3-87 | | | | | **400** | | **400** |
| Card Access | 3-88 | | **400** | | | | | **400** |
| Mobile and Transient Users | 3-89 | | | | **250** | | | **250** |
| Intelligence Led Reporting (Phase 2) | 3-90 | | | | | | **1,050** | **1,050** |
| Major Case Management System Expansion | 3-91 | | | | | **1,158** | | **1,158** |
| Evidence Archiving | 3-92 | | | | | | **2,220** | **2,220** |
| Tech Crimes and TSU Storage System | 3-93 | **500** | | | | | | **500** |
| WPS Data Integration, Auditing and Quality Solution Tool | 3-94 | | | | | | **662** | **662** |
| **TOTAL WINNIPEG POLICE SERVICE** | | **11,963** | **4,964** | **4,286** | **9,350** | **5,558** | **3,932** | **40,053** |

Back to Capital Projects Summary
Table of Contents

| ***CAPITAL PROJECTS SUMMARY***<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **FIRE PARAMEDIC SERVICE** | | | | | | | | |
| Facilities Replacement and Relocation Program - First charge on 2013 Capital Budget of $2,496,589 (Council November 14, 2012) | 3-95 | **4,900** | **858** | **3,000** | | **4,000** | | **12,758** |
| Replacement Radio System | 3-96 | | | **2,000** | **4,000** | | | **6,000** |
| Addition and Renovation to Fire Paramedic Station #8 - 640 Kimberly Avenue | 3-97 | | | | | | **3,160** | **3,160** |
| Asset Management Program | 3-98 | **100** | | | | | | **100** |
| **TOTAL FIRE PARAMEDIC SERVICE** | | **5,000** | **858** | **5,000** | **4,000** | **4,000** | **3,160** | **22,018** |
| **PLANNING, PROPERTY AND DEVELOPMENT** | | | | | | | | |
| Computer Automation | 3-99 | **200** | **200** | | **200** | **120** | **144** | **864** |
| Riverbank Greenway Programs | 3-100 | **381** | **400** | **400** | **443** | **405** | **406** | **2,435** |
| Cemeteries - Improvements | | | | | | | | |
| - Cash to Capital | | **300** | **200** | **260** | **232** | **258** | **250** | **1,500** |
| - Veterans Affairs Canada | | **150** | **150** | **150** | **150** | **150** | **150** | **900** |
| Total Cemeteries - Improvements | 3-101 | **450** | **350** | **410** | **382** | **408** | **400** | **2,400** |
| Downtown Enhancement Program | 3-102 | **400** | **400** | **400** | **400** | **400** | **400** | **2,400** |
| Community Image and Neighborhood Main Streets | 3-103 | **400** | **400** | **400** | **400** | **400** | **400** | **2,400** |
| Public Art Strategy | 3-104 | **500** | **500** | **500** | **500** | **500** | **500** | **3,000** |
| Land Acquisition for General Unspecified Purposes | 3-105 | **300** | | **300** | **300** | **300** | **240** | **1,440** |
| Developer Payback | 3-106 | **210** | **380** | **245** | **275** | **280** | **278** | **1,668** |
| Riverbank Stabilization - Physical Asset Protection | | | | | | | | |
| - Cash to Capital | | **670** | **1,000** | **1,000** | **1,000** | **1,000** | **1,000** | **5,670** |
| - Riverbank Management Committee Fund (Fund 002) | | **330** | | | | | | **330** |
| Total Riverbank Stabilization - Physical Asset Protection | 3-107 | **1,000** | **1,000** | **1,000** | **1,000** | **1,000** | **1,000** | **6,000** |
| Building Communities Initiative II | | | | | | | | |
| - Cash to Capital | | **1,000** | **1,000** | **1,250** | | | | **3,250** |
| - Manitoba Winnipeg Infrastructure Fund (MWIF) | | **1,000** | **1,000** | **1,250** | | | | **3,250** |
| Total Building Communities Initiative II | 3-109 | **2,000** | **2,000** | **2,500** | | | | **6,500** |
| Building Communities Initiative III | | | | | | | | |
| - Cash to Capital | | | | | **1,050** | **1,060** | **1,000** | **3,110** |
| - Manitoba Winnipeg Infrastructure Fund (MWIF) | | | | | **1,050** | **1,060** | **1,000** | **3,110** |
| Total Building Communities Initiative III | 3-110 | | | | **2,100** | **2,120** | **2,000** | **6,220** |
| **TOTAL PLANNING, PROPERTY AND DEVELOPMENT** | | **5,841** | **5,630** | **6,155** | **6,000** | **5,933** | **5,768** | **35,327** |

Back to Capital Projects Summary
Table of Contents

| ***CAPITAL PROJECTS SUMMARY***<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | FORECAST 2015 | FORECAST 2016 | FORECAST 2017 | FORECAST 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **MUNICIPAL ACCOMMODATIONS** | | | | | | | | |
| General Building Renovation and Refurbishing | 3-111 | **500** | **500** | **500** | **500** | **500** | **500** | **3,000** |
| Accommodation Facilities | 3-112 | **2,550** | **1,830** | **2,100** | **1,239** | **2,251** | **1,994** | **11,964** |
| Fire / Life Safety / Regulatory Upgrades | 3-113 | **525** | **1,014** | **725** | **625** | **710** | **720** | **4,319** |
| Energy Conservation | 3-114 | **150** | **200** | **100** | **100** | **150** | **140** | **840** |
| Tenant Improvement Prepayment - Major Department | 3-115 | | | **200** | **200** | **180** | **193** | **773** |
| Historic Buildings | 3-116 | **550** | **200** | **200** | **200** | **200** | **270** | **1,620** |
| Generator Set Replacement and Upgrades | 3-117 | **100** | | **200** | | **200** | **167** | **667** |
| Security / Building Automation System Initiatives | 3-118 | **225** | **225** | **225** | **140** | **188** | **201** | **1,204** |
| Community Centres - Refurbishing and Improvements | 3-119 | **500** | **700** | **700** | **700** | **620** | **644** | **3,864** |
| Arenas | 3-120 | **525** | **525** | **525** | **525** | **525** | **525** | **3,150** |
| Indoor Aquatic Facilities | 3-121 | **2,230** | **2,530** | **2,530** | **2,530** | **2,530** | **2,470** | **14,820** |
| Outdoor Aquatic Facilities | 3-122 | **350** | **330** | **330** | **350** | **342** | **340** | **2,042** |
| Community Facilities | 3-123 | **500** | **200** | **200** | **200** | **200** | **260** | **1,560** |
| Building Asset / Work Management Program | 3-124 | **100** | **200** | **200** | **162** | **152** | **163** | **977** |
| UFF - Hockey Pen Light Standard Replacement | 3-125 | **100** | **100** | **100** | **100** | **100** | **100** | **600** |
| City-Wide Accessibility Program | 3-126 | **350** | **350** | **350** | **350** | **350** | **350** | **2,100** |
| Cooling Plant - Public Safety Building - 151 Princess Street | 3-127 | **1,800** | | | | | | **1,800** |
| Recreation and Leisure Facilities | | | | | | | | |
| - Transfer from Prior Year Authorization | 3-128 | **7,000** | | | | | | **7,000** |
| Transcona Centennial Pool | | | | | | | | |
| - External Debt | | **3,000** | | | | | | **3,000** |
| - Land Dedication Reserve | | **2,000** | | | | | | **2,000** |
| - Sponsorship | | **500** | | | | | | **500** |
| Total Transcona Centennial Pool | 3-130 | **5,500** | | | | | | **5,500** |
| East Yard Complex Development | | | | | | | | |
| - Interim Financing from Land Operating Reserve (Repayment) | | | **(3,321)** | | **(450)** | | | **(3,771)** |
| - Land Operating Reserve | | | **3,321** | | **450** | | | **3,771** |
| Total East Yard Complex Development | 3-131 | | | | | | | |
| **TOTAL MUNICIPAL ACCOMMODATIONS** | | **23,555** | **8,904** | **9,185** | **7,921** | **9,198** | **9,037** | **67,800** |

Back to Capital Projects Summary
Table of Contents

| ***CAPITAL PROJECTS SUMMARY***<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **CITY CLERKS** | | | | | | | | |
| Corporate Records Centre | 3-132 | | | | | 150 | | 150 |
| Election Systems | 3-133 | 150 | 200 | | | 200 | 200 | 750 |
| City Archives | 3-134 | 500 | 500 | 500 | 500 | | | 2,000 |
| DMIS Upgrades / Replacement | 3-135 | | | | | | 250 | 250 |
| **TOTAL CITY CLERKS** | | 650 | 700 | 500 | 500 | 350 | 450 | 3,150 |
| **CORPORATE SUPPORT SERVICES** | | | | | | | | |
| PeopleSoft | 3-136 | 580 | 395 | | | 2,500 | 1,000 | 4,475 |
| Communications Network Infrastructure | 3-137 | 245 | 500 | 275 | 375 | 525 | 230 | 2,150 |
| Enterprise Computing Initiatives | 3-138 | 265 | 717 | 515 | 585 | 844 | 801 | 3,727 |
| E-Government | 3-139 | 229 | 150 | 300 | 200 | 250 | 200 | 1,329 |
| Data Warehouse / Business Intelligence | 3-140 | 169 | 153 | 218 | 203 | 149 | 150 | 1,042 |
| 311 Renewal | 3-141 | 300 | 646 | 729 | 335 | 402 | 450 | 2,862 |
| PSB Fibre Relocate | 3-142 | 300 | | | | | | 300 |
| Teraspan Fibre Ring Renewal | 3-143 | | 400 | 800 | | | | 1,200 |
| **TOTAL CORPORATE SUPPORT SERVICES** | | 2,088 | 2,961 | 2,837 | 1,698 | 4,670 | 2,831 | 17,085 |
| **ASSESSMENT AND TAXATION** | | | | | | | | |
| Assessment Automation | 3-144 | | | 750 | 500 | 350 | 320 | 1,920 |
| **OTHER PROJECTS** | | | | | | | | |
| PeopleSoft Accounts Receivable and Billing | 3-145 | 550 | 250 | | | | | 800 |
| **TOTAL OTHER PROJECTS** | | 550 | 250 | | | | | 800 |

Back to Capital Projects Summary
Table of Contents

| ***CAPITAL PROJECTS SUMMARY***<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | FORECAST 2015 | FORECAST 2016 | FORECAST 2017 | FORECAST 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **TRANSIT** | | | | | | | | |
| Innovative Transit Program | 3-146 | **800** | **800** | **800** | **1,000** | **1,000** | **1,000** | **5,400** |
| Transit Building Replacement / Refurbishment - First charge on 2013 Capital Budget of up to $2 million (Council March 21, 2012) | | | | | | | | |
| - Cash to Capital | | | **11,283** | **5,495** | **4,506** | **4,523** | **4,171** | **29,978** |
| - Federal Gas Tax / Interest | | **1,349** | **1,132** | | | | | **2,481** |
| - External Debt | | **8,587** | | | | | | **8,587** |
| Total Transit Building Replacement / Refurbishment | 3-147 | **9,936** | **12,415** | **5,495** | **4,506** | **4,523** | **4,171** | **41,046** |
| Transit Buses | | | | | | | | |
| - Cash to Capital | | | | **451** | **4,329** | **4,312** | **5,317** | **14,409** |
| - Transit Bus Replacement Reserve | | **6,428** | **7,644** | **6,938** | **8,466** | **9,630** | **9,630** | **48,736** |
| - Provincial Building Manitoba Fund | | **3,840** | **3,840** | **3,840** | **3,840** | **3,840** | **3,840** | **23,040** |
| - Federal Gas Tax | | **4,531** | **4,748** | **5,880** | **5,880** | **5,880** | **5,880** | **32,799** |
| Total Transit Buses | 3-148 | **14,799** | **16,232** | **17,109** | **22,515** | **23,662** | **24,667** | **118,984** |
| P3 Consulting and Project Development - Southwest Rapid Transit Corridor - Stage 2 | | | | | | | | |
| - Retained Earnings | 3-149 | **1,000** | | | | | | **1,000** |
| Southwest Rapid Transit Corridor - Stage 2 | | | | | | | | |
| - External Debt | 3-150 | | **10,000** | **127,500** | | | | **137,500** |
| Alternative Fuels Assessment | 3-151 | **200** | | | | | | **200** |
| Jubilee Rapid Transit Station | | | | | | | | |
| Land Operating Reserve / Rapid Transit Infrastructure Reserve | 3-152 | **1,667** | | | | | | **1,667** |
| **TOTAL TRANSIT** | | **28,402** | **39,447** | **150,904** | **28,021** | **29,185** | **29,838** | **305,797** |

| ***CAPITAL PROJECTS SUMMARY***<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | FORECAST 2015 | FORECAST 2016 | FORECAST 2017 | FORECAST 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **WATER AND WASTE - TAX SUPPORTED** | | | | | | | | |
| ***Land Drainage and Flood Control*** | | | | | | | | |
| ***Financed by Cash to Capital:*** | | | | | | | | |
| Stormwater Retention Basin Rehabilitation | 3-153 | **150** | | **400** | | **400** | | **950** |
| Flood Pumping Station Rehabilitation | 3-154 | **1,000** | **900** | **1,500** | **1,000** | **1,000** | **1,000** | **6,400** |
| Land Drainage and Combined Sewers Outfall Gate Structures | 3-155 | **1,150** | **700** | **1,300** | **1,400** | **1,300** | **1,500** | **7,350** |
| Floodplain Management | 3-156 | **100** | **100** | | **100** | | **100** | **400** |
| Seine River Waterway Acquisition | 3-157 | **150** | **150** | **150** | **150** | **150** | **150** | **900** |
| Primary Dike Upgrading | 3-158 | | | **900** | **900** | **1,500** | **1,500** | **4,800** |
| Land Drainage Safety Upgrading Program | 3-159 | **100** | | | | | | **100** |
| Land Drainage Utility Study and Implementation | 3-160 | | **500** | | | | | **500** |
| Permanent Flood Pumping Stations | 3-161 | **200** | | **200** | | **200** | | **600** |
| Land Drainage Supervisory Control and Data Acquisition (SCADA) System | 3-162 | **100** | **100** | | | | | **200** |
| Flood Manual Upgrades | 3-163 | **800** | **948** | | | | | **1,748** |
| Outfall Rehabilitation | 3-164 | **1,300** | **900** | **1,200** | **1,508** | **2,000** | **2,000** | **8,908** |
| ***Financed by Sewer System Rehabilitation Reserve:*** | | | | | | | | |
| Combined Sewer Flood Relief | 3-165 | **11,000** | **10,000** | **10,000** | **10,000** | **10,000** | **10,000** | **61,000** |
| Flood Relief Sewers - Separate | 3-166 | **300** | **300** | **300** | **300** | **300** | **300** | **1,800** |
| ***Financed by Developer Capacity Charges:*** | | | | | | | | |
| Development Agreement Paybacks | 3-167 | | **500** | **500** | **500** | **500** | | **2,000** |
| Fernbank Avenue Land Drainage Sewer | 3-168 | | | | **875** | | | **875** |
| **Total Land Drainage and Flood Control** | | **16,350** | **15,098** | **16,450** | **16,733** | **17,350** | **16,550** | **98,531** |
| **TOTAL WATER AND WASTE - TAX SUPPORTED** | | **16,350** | **15,098** | **16,450** | **16,733** | **17,350** | **16,550** | **98,531** |

| ***CAPITAL PROJECTS SUMMARY***<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | FORECAST 2015 | FORECAST 2016 | FORECAST 2017 | FORECAST 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **WATER WORKS SYSTEM** | | | | | | | | |
| ***Water Works System - Supply and Treatment*** | | | | | | | | |
| **Financed by Waterworks Retained Earnings:** | | | | | | | | |
| Shoal Lake Aqueduct and Falcon River Diversion Bridges | 3-169 | **1,000** | | | | | | **1,000** |
| Shoal Lake Aqueduct Asset Preservation | 3-170 | **800** | **800** | **500** | **500** | **500** | **1,000** | **4,100** |
| Shoal Lake Aqueduct Intake Facility Rehabilitation | 3-171 | **200** | **800** | **800** | **800** | **1,100** | **6,800** | **10,500** |
| Branch Aqueduct Condition Assessment and Rehabilitation | 3-172 | **1,500** | **500** | | | **1,000** | **1,000** | **4,000** |
| Branch I Aqueduct at Seine River - Riverbank Stabilization (east side) | 3-173 | **1,000** | | | | | | **1,000** |
| GWWD Railway Bridge Rehabilitation | 3-174 | **200** | **1,200** | | | | | **1,400** |
| Water Treatment Plant Upgrading | 3-175 | | **900** | | **5,000** | **5,000** | | **10,900** |
| Ultraviolet Light Disinfection Upgrade / Rehabilitation | 3-176 | | **400** | | **4,000** | | | **4,400** |
| Deacon Site Flood Protection | 3-177 | | **560** | | | | | **560** |
| Tache Booster Pumping Station | 3-178 | **3,000** | **1,800** | | | | | **4,800** |
| Pumping Stations Reliability Upgrades | 3-179 | | **1,900** | **500** | **1,200** | | | **3,600** |
| Pumping Stations and Reservoirs Structural Upgrades | 3-180 | **820** | **2,150** | | | **450** | **500** | **3,920** |
| Chlorination Upgrading at Pumping Stations | 3-181 | | | **700** | **800** | **800** | **450** | **2,750** |
| Water Supervisory Control and Data Acquisition (SCADA) Upgrade | 3-182 | | **1,000** | | | | | **1,000** |
| Waterworks System Security Upgrades | 3-183 | **500** | **500** | **500** | **500** | **500** | **500** | **3,000** |
| General Water Infrastructure Rehabilitation | 3-184 | | **500** | **500** | **1,000** | **1,000** | **1,000** | **4,000** |
| Regulatory Assessment of Water System Infrastructure and Supply Sources | 3-185 | | | **650** | | | | **650** |
| North End Water Pollution Control Centre (NEWPCC) - Environmental Standards Division Laboratory Facility Upgrading | 3-186 | **50** | **200** | | | | | **250** |
| **Total Water Works System - Supply and Treatment** | | **9,070** | **13,210** | **4,150** | **13,800** | **10,350** | **11,250** | **61,830** |

| *CAPITAL PROJECTS SUMMARY* *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | FORECAST 2015 | FORECAST 2016 | FORECAST 2017 | FORECAST 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| ***Water Works System - Distribution*** | | | | | | | | |
| **Financed by Waterworks Retained Earnings:** | | | | | | | | |
| Midtown Feedermain | 3-187 | **1,000** | | | | | | **1,000** |
| Saskatchewan Avenue Watermain | 3-188 | | | **4,400** | | | | **4,400** |
| Waverley West Feedermain | 3-189 | **6,800** | | | | | | **6,800** |
| Feedermain Condition Assessment and Rehabilitation | 3-190 | **1,500** | **1,500** | **1,500** | **1,500** | **1,500** | **1,500** | **9,000** |
| Public Water Outlets | 3-191 | **750** | **600** | **100** | | | | **1,450** |
| Meter Infrastructure Project | 3-192 | | **500** | | | | | **500** |
| Water and Waste Department GIS Enhancement Program | 3-193 | **100** | **100** | **100** | **100** | **100** | **100** | **600** |
| Safety Upgrades - Isolation Valves at Valve and Meter Pits | 3-194 | **150** | | **100** | | | | **250** |
| Oracle Work Asset Management System Upgrade | 3-195 | **135** | | | | | | **135** |
| Laboratory Information Management System Upgrade | 3-196 | **250** | **500** | **500** | | | | **1,250** |
| Building Renovations - 1199 Pacific Avenue | 3-197 | **125** | | | | | | **125** |
| Utility Asset Management System | 3-198 | **1,000** | **500** | | | | | **1,500** |
| Watermain Renewals | | | | | | | | |
| - Watermain Renewal Reserve | 3-199 | **15,000** | **16,000** | **17,000** | **17,000** | **17,500** | **18,000** | **100,500** |
| **Total Water Works System - Distribution** | | **26,810** | **19,700** | **23,700** | **18,600** | **19,100** | **19,600** | **127,510** |
| **TOTAL WATERWORKS SYSTEM (Utility Supported)** | | **35,880** | **32,910** | **27,850** | **32,400** | **29,450** | **30,850** | **189,340** |

Back to Capital Projects Summary
Table of Contents



| ***CAPITAL PROJECTS SUMMARY***<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | FORECAST 2015 | FORECAST 2016 | FORECAST 2017 | FORECAST 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **SEWAGE DISPOSAL SYSTEM** | | | | | | | | |
| ***Sewage Disposal System - Treatment*** | | | | | | | | |
| **Financed by Sewage Disposal System Retained Earnings:** | | | | | | | | |
| Wastewater System Security Upgrades | 3-200 | **500** | **500** | **500** | **500** | **500** | | **2,500** |
| North End Water Pollution Control Centre (NEWPCC) - Main Building HVAC Replacement | 3-201 | **100** | **400** | | | | | **500** |
| NEWPCC - Raw Sewage Pump Replacement | 3-202 | **1,000** | **6,300** | | | | | **7,300** |
| NEWPCC - Secondary Clarifiers Refurbishment - First charge on 2013 Capital Budget of $350,000 (Council July 18, 2012) | 3-203 | **1,200** | | | | | | **1,200** |
| NEWPCC - Environmental Standards Division Laboratory Facility Upgrading | 3-204 | **50** | **200** | | | | | **250** |
| West End Water Pollution Control Centre (WEWPCC) - Settling Improvement | 3-205 | **250** | | | | | | **250** |
| Water Pollution Control Centres (WPCC) - Distributed Control System (DCS) and Human Machine Interface (HMI) Upgrades | 3-206 | **1,000** | | | | | | **1,000** |
| WPCC - Flood Mitigation | 3-207 | **200** | | | | | | **200** |
| WPCC - Hauled Liquid Waste Acceptance Facility | 3-208 | **3,925** | | | | | | **3,925** |
| WPCC - Reliability Upgrades | 3-209 | **5,000** | **5,000** | **5,000** | **5,000** | **5,000** | **2,000** | **27,000** |
| WPCC - Re-roofing | 3-210 | **400** | | **400** | | **400** | | **1,200** |
| Biosolids - Alternative Disposal Delivery and Management System | | | | | | | | |
| - Environmental Projects Reserve | | **6,142** | **2,957** | **219** | **2,655** | **5,000** | | **16,973** |
| - Retained Earnings | | **4,000** | **2,043** | **2,957** | | | | **9,000** |
| - External Debt | | **19,858** | | **66,824** | **38,345** | | | **125,027** |
| Total Biosolids - Alternative Disposal Delivery and Management System | 3-211 | **30,000** | **5,000** | **70,000** | **41,000** | **5,000** | | **151,000** |
| Environmental Impact Statement and Public Hearings<br>- Environmental Projects Reserve | 3-212 | **100** | **100** | **100** | **100** | **100** | **100** | **600** |
| NEWPCC - Nutrient Removal / Upgrade | | | | | | | | |
| - Retained Earnings | | **12,000** | **27,350** | **41,600** | **20,000** | | | **100,950** |
| - External Debt | | | **12,650** | **88,400** | **80,000** | **100,000** | **98,236** | **379,286** |
| Total NEWPCC - Nutrient Removal / Upgrade | 3-213 | **12,000** | **40,000** | **130,000** | **100,000** | **100,000** | **98,236** | **480,236** |
| South End Water Pollution Control Centre (SEWPCC) - Nutrient Removal / Expansion | 3-214 | | **44,000** | **13,000** | **12,500** | | | **69,500** |
| **Total Sewage Disposal System - Treatment** | | **55,725** | **101,500** | **219,000** | **159,100** | **111,000** | **100,336** | **746,661** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | FORECAST 2015 | FORECAST 2016 | FORECAST 2017 | FORECAST 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| ***Sewage Disposal System - Collection*** | | | | | | | | |
| **Financed by Sewage Disposal System Retained Earnings:** | | | | | | | | |
| Arc Flash Hazard Analysis and Remediation | 3-215 | **300** | **250** | | | | | **550** |
| Lift Stations Upgrading | 3-216 | **1,500** | **1,500** | **1,000** | **1,000** | **1,000** | **750** | **6,750** |
| Cockburn Lift Station Upgrades to Facilitate Fort Rouge Yards Development | 3-217 | | | | **2,000** | | | **2,000** |
| Fernbank Interceptor | 3-218 | | | | **8,000** | | | **8,000** |
| Warde Interceptor Extension | 3-219 | | | | **3,200** | | | **3,200** |
| Plessis Road Interceptor | 3-220 | | | | | **5,500** | | **5,500** |
| Kenaston Boulevard Interceptor | 3-221 | | | | | **4,000** | | **4,000** |
| River Crossings Monitoring and Rehabilitation | 3-222 | | **1,300** | | **1,300** | | **1,300** | **3,900** |
| Sewer System Isolation in Areas Protected by Secondary Dikes | 3-223 | | | **1,000** | **1,000** | | | **2,000** |
| Wastewater Collection System Buildings Re-Roofing | 3-224 | | | **300** | | | **100** | **400** |
| Wastewater Collection System Reliability | 3-225 | **400** | | **400** | | | | **800** |
| Water and Waste Department GIS Enhancement Program | 3-226 | **100** | **100** | **100** | **100** | **100** | **100** | **600** |
| Inflow / Infiltration / Cross-Connection Study and Mitigation | 3-227 | **500** | **500** | **3,000** | | **1,500** | | **5,500** |
| Grease Trap Licensing Application | 3-228 | **260** | | | | | | **260** |
| Wastewater Hauling Automation | 3-229 | | **500** | | | | | **500** |
| Oracle Work Asset Management System Upgrade | 3-230 | **135** | | | | | | **135** |
| Laboratory Information Management System Upgrade | 3-231 | **250** | **500** | **500** | | | | **1,250** |
| Building Renovations - 1199 Pacific Avenue | 3-232 | **125** | | | | | | **125** |
| Utility Asset Management System | 3-233 | **1,000** | **500** | | | | | **1,500** |
| Combined Sewer Overflow (CSO) Management Strategy and Miscellaneous Mitigation<br>- Environmental Projects Reserve | 3-234 | **12,600** | **16,000** | **21,500** | **18,000** | **18,000** | **18,000** | **104,100** |
| Sewer Renewals<br>- Sewer System Rehabilitation Reserve | 3-235 | **14,600** | **15,300** | **16,100** | **16,900** | **17,800** | **18,200** | **98,900** |
| **Total Sewage Disposal System - Collection** | | **31,770** | **36,450** | **43,900** | **51,500** | **47,900** | **38,450** | **249,970** |
| **TOTAL SEWAGE DISPOSAL SYSTEM** | | **87,495** | **137,950** | **262,900** | **210,600** | **158,900** | **138,786** | **996,631** |

Back to Capital Projects Summary
Table of Contents



| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | FORECAST 2015 | FORECAST 2016 | FORECAST 2017 | FORECAST 2018 | 2013-2018 6 YEAR TOTAL |
|---|---|---|---|---|---|---|---|---|
| **SOLID WASTE DISPOSAL SYSTEM** | | | | | | | | |
| ***Solid Waste Disposal System - Landfill*** | | | | | | | | |
| **Financed by Solid Waste Disposal Retained Earnings:** | | | | | | | | |
| Brady Road Resource Management Facility - Cell Excavation | 3-236 | **1,350** | **1,400** | **1,400** | **1,450** | **1,450** | **1,450** | **8,500** |
| Brady Road Resource Management Facility - Administration Building | 3-237 | **800** | | | | | | **800** |
| Summit Landfill Closure / Post-Closure | 3-238 | **400** | | | | | | **400** |
| Summit Landfill Leachate Collection Assessment | 3-239 | **200** | | | | | | **200** |
| Cadboro Road West Landfill Post-Closure Site Improvements | 3-240 | **150** | | | | | | **150** |
| Miscellaneous Land Acquisition | 3-241 | **300** | | | | | | **300** |
| Closed Landfills Disposition Study | 3-242 | **200** | | | | | | **200** |
| Leachate Treatment Study | 3-243 | **200** | | | | | | **200** |
| Brady Road Resource Management Facility - Drainage, Roadways and Site Improvements | | | | | | | | |
| - External Debt | 3-244 | **1,500** | **1,000** | | | | | **2,500** |
| Comprehensive Integrated Waste Management Strategy (CIWMS) - Consulting Support for System Transition | | | | | | | | |
| - Waste Diversion Reserve | 3-245 | **400** | **200** | | | | | **600** |
| **Total Solid Waste Disposal System - Landfill** | | **5,500** | **2,600** | **1,400** | **1,450** | **1,450** | **1,450** | **13,850** |
| ***Solid Waste Disposal System - Collection*** | | | | | | | | |
| **Financed by Solid Waste Disposal External Debt** | | | | | | | | |
| CIWMS - Community Resource Recovery Facilities - (South and North) | 3-246 | **7,200** | | | | | | **7,200** |
| CIWMS - Community Resource Recovery Facilities - (West and East) | 3-247 | | **6,800** | | | | | **6,800** |
| CIWMS - Material Recycling Facility | | | | | | | | |
| - Waste Diversion Reserve | | **200** | | | | | | **200** |
| - External Debt | | | **16,500** | | | | | **16,500** |
| Total CIWMS - Material Recycling Facility | 3-248 | **200** | **16,500** | | | | | **16,700** |
| CIWMS - Organics (Yard Waste) Composting Facility | | | | | | | | |
| - Waste Diversion Reserve | | **500** | | | | | | **500** |
| - External Debt | | **500** | | | | | | **500** |
| Total CIWMS - Organics (Yard Waste) Composting Facility | 3-249 | **1,000** | | | | | | **1,000** |
| CIWMS - Source Separated Organics | | | | | | | | |
| - Waste Diversion Reserve | 3-250 | **200** | **400** | | | | | **600** |
| CIWMS - Garbage and Recycling Cart Asset Management | | | | | | | | |
| - Waste Diversion Reserve | 3-251 | **300** | | | | | | **300** |
| CIWMS - Provision of Automated Recycling and Garbage Collection Carts (formerly CIWMS - Provision of Automated Recycling Collection Carts) | | | | | | | | |
| - Waste Diversion Reserve | 3-252 | | **200** | | **200** | | **200** | **600** |
| **Total Solid Waste Disposal System - Collection** | | **8,900** | **23,900** | | **200** | | **200** | **33,200** |
| **TOTAL SOLID WASTE DISPOSAL SYSTEM** | | **14,400** | **26,500** | **1,400** | **1,650** | **1,450** | **1,650** | **47,050** |

Back to Capital Projects Summary
Table of Contents

| ***CAPITAL PROJECTS SUMMARY***<br>*(in Thousands of $)* | **DETAIL PAGE NO.** | **PRELIMINARY CAPITAL** | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | **BUDGET** | **FORECAST** | | | | | **2013-2018 6 YEAR TOTAL** |
| | | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | |
| ***SPECIAL OPERATING AGENCIES*** | | | | | | | | |
| **WINNIPEG GOLF SERVICES** | | | | | | | | |
| Golf Course Improvements | | | | | | | | |
| - Cash to Capital | | **(23)** | **(23)** | **(23)** | | | | **(69)** |
| - Golf Course Reserve | | **23** | **23** | **23** | | | | **69** |
| **TOTAL WINNIPEG GOLF SERVICES** | 3-253 | | | | | | | |
| **TOTAL SPECIAL OPERATING AGENCIES** | | | | | | | | |

Back to Table of Contents

The City of Winnipeg

# Capital Projects Detail

## 2013
## Preliminary Capital Budget

## and

## 2014 to 2018
## Five Year Forecast

# Table of Contents

## Capital Projects Listing by Department


Public Works ..... 3-1

Local Improvements ..... 3-52

Community Services ..... 3-53

Winnipeg Police Service ..... 3-70

Fire Paramedic Service ..... 3-95

Planning, Property and Development ..... 3-99

Municipal Accommodations ..... 3-111

City Clerks ..... 3-132

Corporate Support Services ..... 3-136

Assessment and Taxation ..... 3-144

Other Projects ..... 3-145

Transit ..... 3-146

Water and Waste ..... 3-153

Winnipeg Golf Services ..... 3-253


**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, the Manitoba Winnipeg Infrastructure Program and Provincial funding for Road Improvements financing amounts are not all allocated to individual capital projects. These unallocated financing amounts will offset cash to capital requirements.

3. The Public Service uses the Association for the Advancement of Cost Engineering (AACE) International Classification system for capital budget estimate purposes for all non-scalable projects. Capital estimates for non-scalable projects contained in this budget document are supported by a class 4 or 5 estimate, unless specifically noted.

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

Department: Public Works
Project: 183200113

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 425 | 500 | 500 | 500 | 500 | 500 | 75 | 3,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 425 | 500 | 500 | 500 | 500 | 500 | 75 | 3,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 2 | 4 | 6 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 500 | 500 | 500 |
| **Total Direct Costs** | 502 | 504 | 506 |
| Less: Incremental Revenue/Recovery | 26 | 30 | 30 |
| **Net Cost/(Benefit)** | 476 | 474 | 476 |

Program for the construction of new recreational walkways and bike paths facilities where no walkway or cycle facility presently exists, and where the provision of such a facility is warranted.

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

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

***Recreational Walkways and Bike Paths (continued)***

The following projects also include funding in the estimated amounts shown for Active Transportation facilities:

| Project | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Total |
|---|---|---|---|---|---|---|---|
| Disraeli Bridge<br>- a separate, new active transportation bridge crossing the Red River. | 15,000 | | | | | | 15,000 |
| Ness Avenue Culvert (Sturgeon Creek)<br>- AT path along Sturgeon Creek under the bridge. | | | | 1,000 | | | 1,000 |
| Plessis Road Twinning and Grade Separation at CN Rail<br>- asphalt path connecting with the Pandora Ave and Dugald Rd. AT facilities. | | 1,500 | | | | | 1,500 |
| Waverley West Arterial Roads<br>- asphalt pathways on Kenaston Boulevard. | | 5,000 | | | | | 5,000 |
| Molson St. / Panet Rd. Twinning<br>- asphalt pathway from Concordia to Reenders. | 300 | | | | | | 300 |
| Regional Street Renewals: | | | | | | | |
| Pembina Hwy SB - University to Markham<br>- buffered bike lanes transitioning to asphalt pathway. | | 2,830 | | | | | 2,830 |
| Lagimodiere Blvd. NB - Maginot to Dugald<br>- paved shoulders. | | 360 | | | | | 360 |
| Pembina Hwy SB - Bairdmore North to Kirkbridge<br>- asphalt pathway. | | | 1,255 | | | | 1,255 |
| Pembina Hwy NB & SB - Jubilee to McGillivray<br>- buffered bike lanes. | | | 3,750 | | | | 3,750 |
| | **15,300** | **9,690** | **5,005** | **1,000** | **-** | **-** | **30,995** |

Project Name: **New Regional Sidewalks**

Department: Public Works
Project: 1832000213

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | 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) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 15 | 30 | 45 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 250 | 250 | 250 |
| **Total Direct Costs** | 265 | 280 | 295 |
| Less: Incremental Revenue/Recovery | 13 | 15 | 15 |
| **Net Cost/(Benefit)** | 252 | 265 | 280 |

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: **Active Transportation Corridors**

Department: Public Works
Project: 1832000313

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 425 | 500 | 500 | 500 | 500 | 500 | 75 | 3,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 425 | 500 | 500 | 500 | 500 | 500 | 75 | 3,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 50 | 100 | 150 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 500 | 500 | 500 |
| **Total Direct Costs** | 550 | 600 | 650 |
| Less: Incremental Revenue/Recovery | 26 | 30 | 30 |
| **Net Cost/(Benefit)** | 524 | 570 | 620 |

Promotion and development of Active Transportation Corridors.

* 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: 1807000114

Capital Priority Rating: 2 - 3
Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 3,000 | - | - | - | - | 3,000 | 3,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 3,000 | | | | | 3,000 | 3,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 3,000 | - | - | - | - | - | 3,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 3,000 | | | | | | 3,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 3,000 | |
| **Total Direct Costs** | - | 3,000 | - |
| Less: Incremental Revenue/Recovery | | 90 | |
| **Net Cost/(Benefit)** | - | 2,910 | - |

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:** | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Total |
|---|---|---|---|---|---|---|---|
| Bison Drive and Waverley Street intersection (MHRC AG 1/06) | | 3,000 | | | | | 3,000 |
| | **-** | **3,000** | **-** | **-** | **-** | **-** | **3,000** |

* 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: 1807000514

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Opportunity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 8,950 | - | 700 | 1,100 | 1,600 | 2,100 | 3,730 | 9,230 | 9,230 |
| Financed by: | | | | | | | | | |
| Economic Development Investment Reserve | 950 | | 700 | 1,100 | 1,600 | 2,100 | 3,730 | 9,230 | 9,230 |
| Provincial Government Funding | 8,000 | | | | | | | - | - |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 700 | 1,100 | 1,600 | 2,100 | 3,730 | 10,261 | 19,491 |
| Financed by: | | | | | | | | |
| Economic Development Investment Reserve | | 700 | 1,100 | 1,600 | 2,100 | 3,730 | 10,261 | 19,491 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 100 | 600 | 1,100 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 100 | 600 | 1,100 |
| Less: Incremental Revenue/Recovery | 100 | 621 | 1,133 |
| **Net Cost/(Benefit)** | - | (21) | (33) |

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 provides that these costs will be funded by the City of Winnipeg and deducted from the $14 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 instalments from 2010 to 2012, to the City. The City in turn paid the Developer the equivalent amount upon receipt of payment from the Province. This $8 million, along with the $950,000 noted above, comprise the previous budgets amount of $8.95 million.

Amounts budgeted from 2014 onward represent repayment to the Developer of the $14 million City contribution plus interest and are equivalent to estimated incremental municipal realty taxes to be generated by the development.

Project Name: **Transportation Master Plan**

Department: Public Works
Project: 1833000113

Capital Priority Rating: 3 - 4
Service: Transportation Planning and Traffic Management
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 100 | 250 | 250 | 250 | 250 | 250 | 1,250 | 1,350 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 100 | 250 | 250 | 250 | 250 | 250 | 1,250 | 1,350 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 85 | 228 | 250 | 250 | 250 | 250 | 37 | 1,350 |
| Financed by: | | | | | | | | |
| Cash to Capital | 85 | 228 | 250 | 250 | 250 | 250 | 37 | 1,350 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 100 | 250 | 250 |
| **Total Direct Costs** | 100 | 250 | 250 |
| Less: Incremental Revenue/Recovery | 5 | 14 | 15 |
| **Net Cost/(Benefit)** | 95 | 236 | 235 |

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.

Project Name: **Traffic Signals Improvements**

Department: Public Works
Project: 1831100113

Capital Priority Rating: 3 - 4
Service: Transportation Planning and Traffic Management
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | 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) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 | 8 | 9 | 9 |
| **Net Cost/(Benefit)** | 142 | 141 | 141 |

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.
- upgrades of signals displays according to the new Transportation Association of Canada 158 report.

* 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 Engineering Improvements - Various Locations**

Department: Public Works
Project: 1831000113

Capital Priority Rating: 3 - 4
Service: Transportation Planning and Traffic Management
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,000 | 1,100 | 1,100 | 1,100 | 1,100 | 1,100 | 5,500 | 6,500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,000 | 1,100 | 1,100 | 1,100 | 1,100 | 1,100 | 5,500 | 6,500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 850 | 1,085 | 1,100 | 1,100 | 1,100 | 1,100 | 165 | 6,500 |
| Financed by: | | | | | | | | |
| Cash to Capital | 850 | 1,085 | 1,100 | 1,100 | 1,100 | 1,100 | 165 | 6,500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 8 | 15 | 23 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,000 | 1,100 | 1,100 |
| **Total Direct Costs** | 1,008 | 1,115 | 1,123 |
| Less: Incremental Revenue/Recovery | 51 | 65 | |
| **Net Cost/(Benefit)** | 957 | 1,050 | 1,123 |

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.

* 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: **Almey Avenue at Ravelston Avenue West - Closing**

Department: Public Works
Project: 1811100114

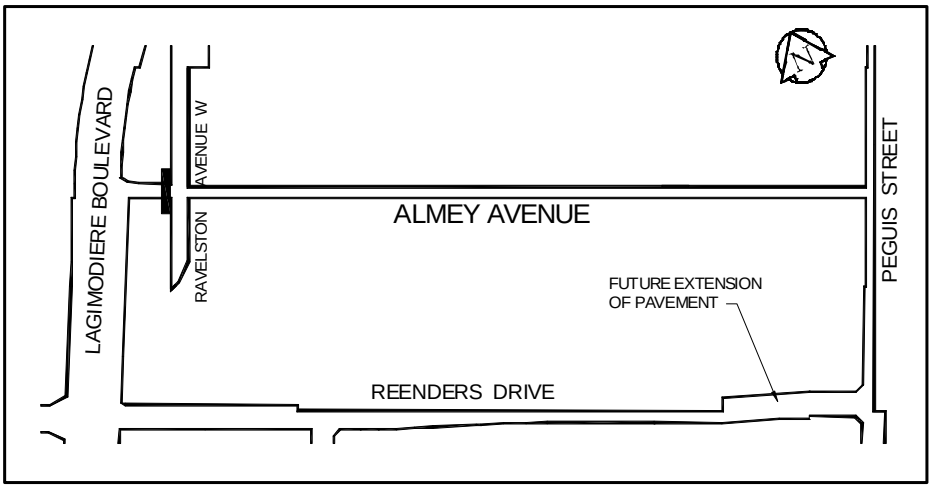
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 200 | - | - | - | - | 200 | 200 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 200 | | | | | 200 | 200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 170 | 30 | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 170 | 30 | | | | | 200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 200 | |
| **Total Direct Costs** | - | 200 | - |
| Less: Incremental Revenue/Recovery | | 10 | 2 |
| **Net Cost/(Benefit)** | - | 190 | (2) |

In accordance with the Transcona West Area Structure Plan, Almey Avenue west of Ravelston Avenue West is to be dead-ended and cut-off from Ravelston Avenue. The work will include removal of the existing connection of Almey Avenue to Ravelston Avenue West, and the design and construction of an appropriate end treatment for the dead-ended Almey Avenue, while maintaining the sidewalk on the north side of Almey Avenue, including appropriate signage and landscaping. Construction is anticipated to take place in 2015 and will be subject to the extension of Reenders Drive to Peguis Street.



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

Department: Public Works
Project: 1803000613

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for Specific City Areas

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,000 | 100 | 100 | 5,100 | 100 | 100 | 100 | 5,500 | 5,600 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 100 | 100 | 5,100 | 100 | 100 | 100 | 5,500 | 5,600 |

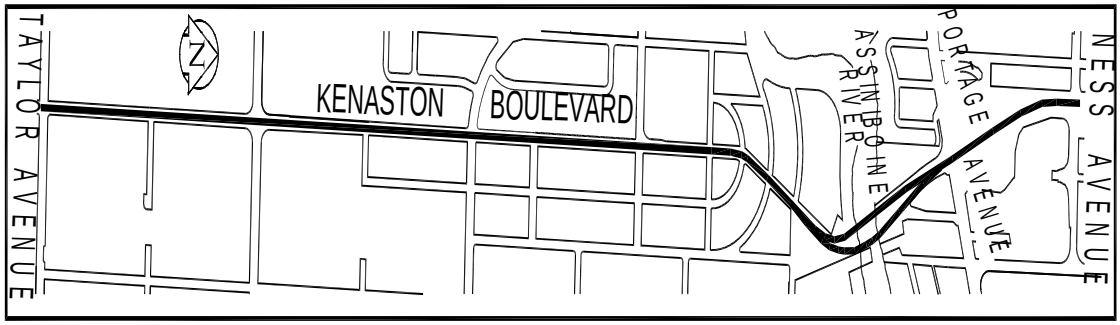
| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 85 | 100 | 4,350 | 850 | 100 | 100 | 15 | 5,600 |
| Financed by: | | | | | | | | |
| Cash to Capital | 85 | 100 | 4,350 | 850 | 100 | 100 | 15 | 5,600 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 100 | 100 | 5,100 |
| **Total Direct Costs** | 100 | 100 | 5,100 |
| Less: Incremental Revenue/Recovery | 5 | 6 | 261 |
| **Net Cost/(Benefit)** | 95 | 94 | 4,839 |

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 $5 million in 2015 is for preliminary bridge design of both the southbound and northbound bridges.

The total project estimate is $230 million (class 4 estimate) based on completion in 2018. Should this project be deferred, the St. James Southbound Bridge project is required to proceed as a stand alone project for completion in 2020 at an estimated cost of $54 million (class 4).



Project Name: **Panet Rd / Molson St Twinning - Munroe Ave to Grassie Blvd**

Department: Public Works
Project: 1803000113

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 7,400 | - | - | - | - | - | - | 7,400 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 400 | | | | | | - | 400 |
| External Debt | | 7,000 | | | | | | - | 7,000 |

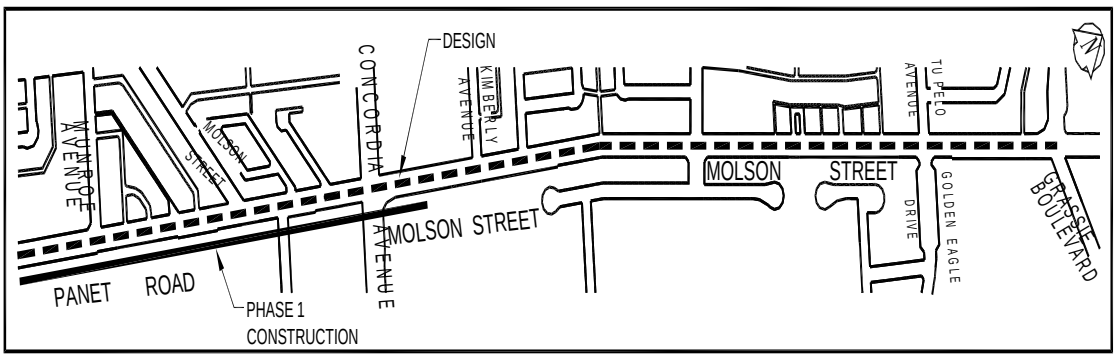
| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 6,290 | 1,110 | - | - | - | - | - | 7,400 |
| Financed by: | | | | | | | | |
| Cash to Capital | 400 | | | | | | | 400 |
| External Debt | 5,890 | 1,110 | | | | | | 7,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | 15 |
| External debt and finance charges | 193 | 500 | 500 |
| Transfer to General Capital Fund | 400 | | |
| **Total Direct Costs** | 593 | 500 | 515 |
| Less: Incremental Revenue/Recovery | 24 | | |
| **Net Cost/(Benefit)** | 569 | 500 | 515 |

Funding in 2013 - $400,000 for a preliminary design, - $7,000,000 (class 4 estimate) for detailed design and construction of phase one - Munroe to Concordia.

Class 4 estimated project cost in 2013 dollars for the entire project is in the range of $20,000,000 to $25,000,000.

On December 13, 2011 Council approved a first charge of up to $400,000 for the preliminary design for the Panet Road/Molson Street Twinning - Munroe Avenue to Grassie Boulevard project in 2012 or prior to the adoption of the 2013 Capital Budget.



Project Name: **Marion Street Widening / Grade Separation and Improvements - Rue Archibald to Lagimodiere Ave**

Department: Public Works
Project: 1803000313

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

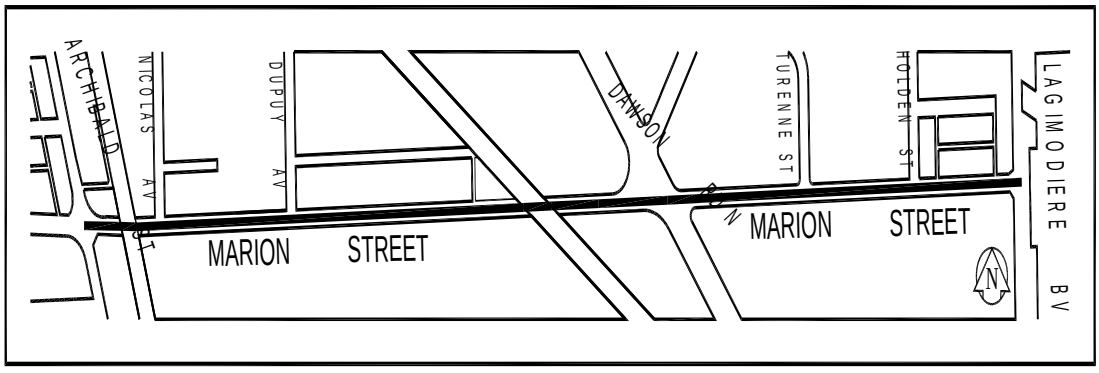
| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,250 | 5,000 | - | - | - | - | 5,000 | 6,250 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,250 | | | | | | - | 1,250 |
| External Debt | | | 5,000 | | | | | 5,000 | 5,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,063 | 5,187 | - | - | - | - | - | 6,250 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,063 | 187 | | | | | | 1,250 |
| External Debt | | 5,000 | | | | | | 5,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | 150 | 382 |
| Transfer to General Capital Fund | 1,250 | | |
| **Total Direct Costs** | 1,250 | 150 | 382 |
| Less: Incremental Revenue/Recovery | 38 | 150 | |
| **Net Cost/(Benefit)** | 1,212 | - | 382 |

Funding in 2013 - $1,250,000 is for a functional design. Funding in 2014 - $5,000,000 is for further engineering work.

On July 18, 2012 Council approved first call on the 2013 Capital Budget for the functional design study for the Marion Widening/Grade Separation and Improvements of $1.25 million.



Project Name: **Polo Park - Infrastructure Improvements**

Department: Public Works
Project: 1803000213

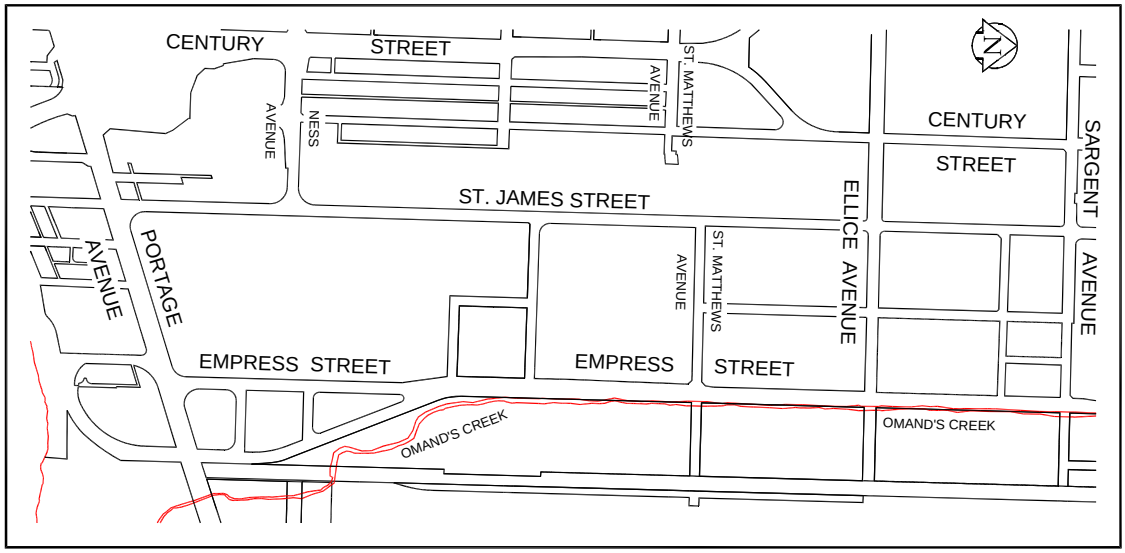
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for Specific City Areas

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 30,000 | - | - | - | - | - | - | 30,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 10,000 | | | | | | - | 10,000 |
| Land Operating Reserve | | 20,000 | | | | | | - | 20,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 25,500 | 4,500 | - | - | - | - | - | 30,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 5,500 | 4,500 | | | | | | 10,000 |
| Land Operating Reserve | 20,000 | | | | | | | 20,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 10 | 10 | 10 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 10,000 | | |
| **Total Direct Costs** | 10,010 | 10 | 10 |
| Less: Incremental Revenue/Recovery | 600 | | |
| **Net Cost/(Benefit)** | 9,410 | 10 | 10 |

On July 3, 2012 the Standing Policy Committee on Property and Development approved the sale of the existing Winnipeg Stadium located at 1465 Maroons Road. Funding in the amount of $20 million from the proceeds of the sale is committed towards major infrastructure improvements to manage current and future traffic movement in the immediate area.



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

Department: Public Works
Project: 1804000113

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 50,427 | 43,870 | 43,433 | 45,573 | 55,104 | 53,814 | 241,794 | 292,221 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 13,387 | 20,108 | 21,978 | 24,038 | 33,494 | 32,129 | 131,747 | 145,134 |
| Federal Gas Tax | | 10,510 | 10,605 | 10,675 | 10,755 | 10,830 | 10,905 | 53,770 | 64,280 |
| Provincial Building Manitoba Fund - Roads | | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 35,000 | 42,000 |
| Local Street Renewal Reserve | | 4,000 | 3,780 | 3,780 | 3,780 | 3,780 | 3,780 | 18,900 | 22,900 |
| External Debt | | 10,000 | | | | | | - | 10,000 |
| Transfer from Prior Years' Surplus | | 207 | | | | | | - | 207 |
| Transfer from Prior Years' Surplus - Federal Gas Tax | | 5,323 | 2,377 | | | | | 2,377 | 7,700 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 46,919 | 44,362 | 43,152 | 45,264 | 53,686 | 54,019 | 4,819 | 292,221 |
| Financed by: | | | | | | | | |
| Cash to Capital | 11,379 | 19,100 | 21,697 | 23,729 | 32,076 | 32,334 | 4,819 | 145,134 |
| Federal Gas Tax | 10,510 | 10,605 | 10,675 | 10,755 | 10,830 | 10,905 | | 64,280 |
| Provincial Building Manitoba Fund - Roads | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | | 42,000 |
| Local Street Renewal Reserve | 4,000 | 3,780 | 3,780 | 3,780 | 3,780 | 3,780 | | 22,900 |
| External Debt | 8,500 | 1,500 | | | | | | 10,000 |
| Transfer from Prior Years' Surplus | 207 | | | | | | | 207 |
| Transfer from Prior Years' Surplus - Federal Gas Tax | 5,323 | 2,377 | | | | | | 7,700 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 13,387 | 20,108 | 21,978 |
| **Total Direct Costs** | 13,387 | 20,108 | 21,978 |
| Less: Incremental Revenue/Recovery | 1,664 | 1,943 | 2,004 |
| **Net Cost/(Benefit)** | 11,723 | 18,165 | 19,974 |

The Regional and Local Street Renewal program includes the renewal and reconstruction of the City's 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 page 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 May 30, 2012 Council approved a first call in the amount of $500,000 from the 2013 $3 million Granular Roadway Improvements budget for sub-cutting and adding gravel to unimproved gravel back-lanes in need of repair. Also, on July 18, 2012 Council approved a first call on the 2013 Capital Budget for the reconstruction of Furby Street - Portage Avenue to Furby Place in the amount of $800,000 to allow award of the project general contract.

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

Certain Regional and 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 Regional and Local Streets project be closed. The capital budget for the new project will be allocated from the departmental non-specified capital account.

Any new projects using surplus funds in the 2013 Regional and Local Street Renewal Program shall be approved by the Standing Policy Committee on Infrastructure Renewal and Public Works.

A new Local Street Renewal Reserve is established to increase investment in local streets, lanes and sidewalks. A separate 1% property tax increase estimated at $4.5 million will fund this new reserve each year to ensure a dedicated funding stream for local streets.

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.

The City will borrow $10 million in 2013 for local street renewal work and the new reserve will pay the principal and interest charges on this new debt. 2013 debt payment is estimated at $500,000 and 2014 to 2018 is estimated at $720,000 each year.

The City's longer term proposal for sustainable funding for the renewal of local streets is detailed in Appendix 5.

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

| **Future projects in Regional and Local Street Renewal** | **Authorization** | | | | | | |
|---|---|---|---|---|---|---|---|
| **Program includes the following (all figures in 000's):** | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | **Six-Year Total** |
| **Regional Sidewalk and Curb Renewals:** | | | | | | | |
| Sidewalk and Curb Renewals - Regional Streets | 500 | 500 | 500 | 500 | 500 | 500 | 3,000 |
| **Regional Paving of Granular Shoulders:** | | | | | | | |
| Paving of Granular Shoulders - Regional Streets | 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 Major Rehabilitation Works:** | | | | | | | |
| Corydon Ave - Cambridge Street to Kenaston Boulevard | 1,300 | | | | | | 1,300 |
| McGillivray EB - Irene to Pembina | 2,200 | | | | | | 2,200 |
| Portage Ave EB - St. John's Ambulance Way to Sherburn | 5,350 | | | | | | 5,350 |
| King Edward St SB - Notre Dame to Dublin | | 1,250 | | | | | 1,250 |
| Ness Ave - 150 meters west of Conway to Whytewold Rd | | 3,150 | | | | | 3,150 |
| Pembina Hwy SB - University Cres. to Markham Rd | | 6,060 | | | | | 6,060 |
| Ness Ave EB - Rutland to Queen | | | 2,070 | | | | 2,070 |
| Pembina Hwy SB - Bairdmore North Leg to Kirkbridge | | | 3,800 | | | | 3,800 |
| Portage Ave WB - Minto to Strathcona | | | 3,200 | | | | 3,200 |
| **Regional Mill and Fill Rehabilitation Works:** | | | | | | | |
| McPhillips St NB - Selkirk to Redwood | 800 | | | | | | 800 |
| McPhillips St SB - Redwood to Selkirk | 800 | | | | | | 800 |
| St Anne's Rd SB - Fermor to Lavalee | 1,000 | | | | | | 1,000 |
| Lagimodiere Blvd NB - Reenders to Concordia Overpass | 1,250 | | | | | | 1,250 |
| St. Mary's Rd - Coniston to Lyndale | 220 | | | | | | 220 |
| Main St SB - Smithfield to Inkster | | 420 | | | | | 420 |
| Lagimodiere Blvd NB - Maginot to Dugald | | 1,290 | | | | | 1,290 |
| Sherbrook St NB - Maryland Bridge to Portage | | 2,030 | | | | | 2,030 |
| Lagimodiere Blvd NB - Cottonwood to Maginot | | 1,450 | | | | | 1,450 |
| Century St NB - Ness to Ellice | | 1,000 | | | | | 1,000 |

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

| Program includes the following (all figures in 000's): | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Six-Year Total |
|---|---|---|---|---|---|---|---|
| King Edward St SB - Ellice to Ness | | 1,040 | | | | | 1,040 |
| Pembina Hwy NB & SB - Jubilee to McGillivray | | | 5,900 | | | | 5,900 |
| Lagimodiere Blvd SB - Warmen to Dugald | | | 560 | | | | 560 |
| Portage Ave WB - Strugeon to Cavalier | | | 1,650 | | | | 1,650 |
| Regional Street Renewals - Annual Program - Various locations to be identified. | | | 73 | 19,393 | 28,924 | 27,634 | 76,024 |
| **Regional Intersection Improvements:** | | | | | | | |
| Century St NB - Wellington to Saskatchewan | 1,300 | | | | | | 1,300 |
| **Local Streets/Lanes:** | | | | | | | |
| 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 | 1,000 | 1,000 | 1,000 | 6,000 |
| Murray Rd - McPhillips St to CPR Mainline | 1,707 | | | | | | 1,707 |
| Pipeline Rd - 150 m North of Templeton Ave to Perimeter Hwy | | 1,500 | 1,500 | | | | 3,000 |
| Loudoun Rd - Wilkes Ave to Four Mile Rd | | | | 1,500 | 1,500 | | 3,000 |
| TBA | | | | | | 1,500 | 1,500 |
| 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 | 400 | 800 | 800 | 800 | 800 | 800 | 4,400 |
| Local Street Renewals - Various Locations | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 60,000 |
| Local Thin Bituminous Overlay (TBO) | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 18,000 |
| Recreational Walkways and Bike Pathway Renewals | 500 | 500 | 500 | 500 | 500 | 500 | 3,000 |
| Enhanced Local Streets, Lanes & Sidewalks Renewal Program | 14,000 | 3,780 | 3,780 | 3,780 | 3,780 | 3,780 | 32,900 |
| **Total Regional and Local Street Renewal Program** | **50,427** | **43,870** | **43,433** | **45,573** | **55,104** | **53,814** | **292,221** |

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

Project Name: **Waverley Street at CN Mainline (Rivers) Grade Separation**

Department: Public Works
Project: 1805000213

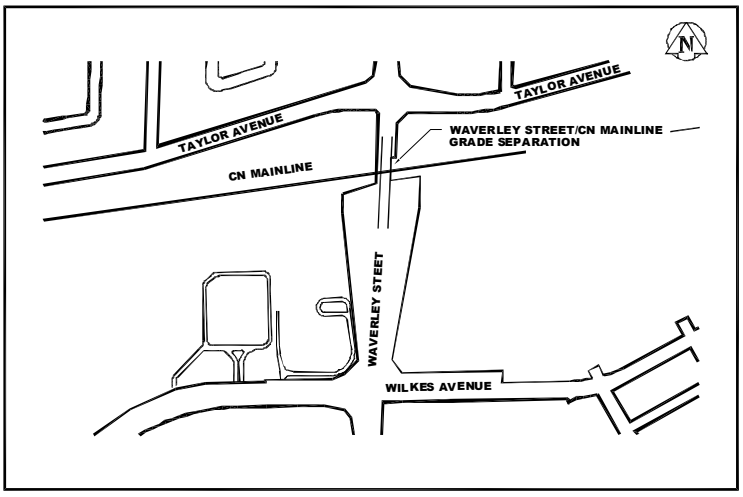
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,200 | - | - | - | - | - | - | 1,200 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 700 | | | | | | - | 700 |
| Provincial Funding for Road Improvements | | 500 | | | | | | - | 500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,095 | 105 | - | - | - | - | - | 1,200 |
| Financed by: | | | | | | | | |
| Cash to Capital | 595 | 105 | | | | | | 700 |
| Provincial Funding for Road Improvements | 500 | | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 700 | | |
| **Total Direct Costs** | 700 | - | - |
| Less: Incremental Revenue/Recovery | 42 | | |
| **Net Cost/(Benefit)** | 658 | - | - |

2013 - Includes preliminary engineering, study, and public consultation.



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

Department: Public Works
Project: 1805000214

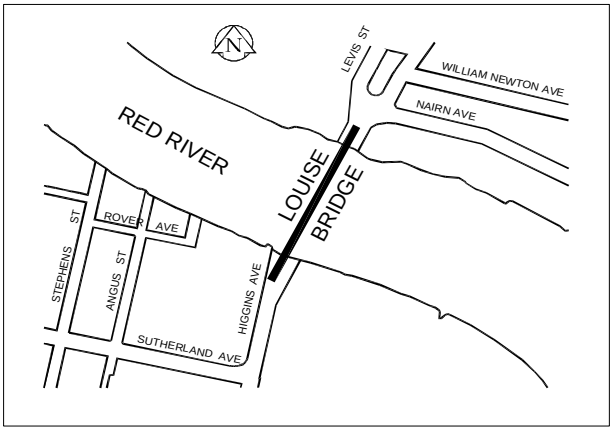
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 2,581 | - | 2,000 | - | - | 4,581 | 4,581 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 1,381 | | 1,000 | | | 2,381 | 2,381 |
| Provincial Funding for Road Improvements | | | 1,200 | | 1,000 | | | 2,200 | 2,200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 2,194 | 387 | 1,700 | 300 | - | - | 4,581 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 1,174 | 207 | 850 | 150 | | | 2,381 |
| Provincial Funding for Road Improvements | | 1,020 | 180 | 850 | 150 | | | 2,200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 1,381 | |
| **Total Direct Costs** | - | 1,381 | - |
| Less: Incremental Revenue/Recovery | | 83 | |
| **Net Cost/(Benefit)** | - | 1,298 | - |

2014 - Project budget shown is to undertake 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 is $100,000,000 (class 5 estimate) assuming construction is undertaken in 2017 and 2018. 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: 1833000213

Capital Priority Rating: 3 - 4
Service: Transportation Planning and Traffic Management
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,500 | - | - | - | 2,000 | - | 2,000 | 3,500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,500 | | | | 2,000 | | 2,000 | 3,500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | - | - | - | 2,000 | - | - | 3,500 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,500 | | | | 2,000 | | | 3,500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,500 | | |
| **Total Direct Costs** | 1,500 | - | - |
| Less: Incremental Revenue/Recovery | 90 | | |
| **Net Cost/(Benefit)** | 1,410 | - | - |

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. The purpose of this study is 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. Budget allocation is based on a Class 4 estimate.

Funding in 2017 is for the preliminary design and property acquisition for the recommended alternative to the Arlington Overpass crossing.

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

Department: Public Works
Project: 1805000216

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

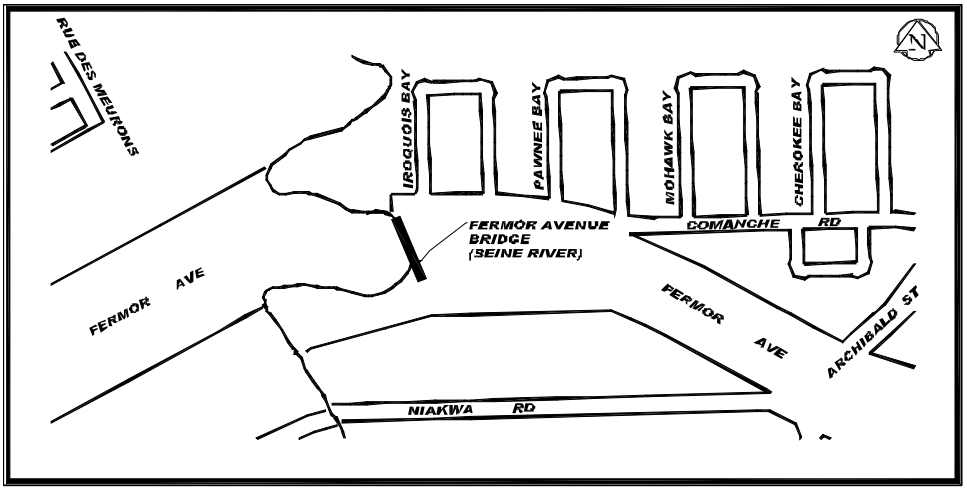
| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 500 | 700 | 6,800 | 8,000 | 8,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 500 | 700 | 6,800 | 8,000 | 8,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 425 | 670 | 5,885 | 1,020 | 8,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 425 | 670 | 5,885 | 1,020 | 8,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Bridge rehabilitation with preliminary design in 2016, detailed design in 2017 and construction in 2018.

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



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

Department: Public Works
Project: 1805000316

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

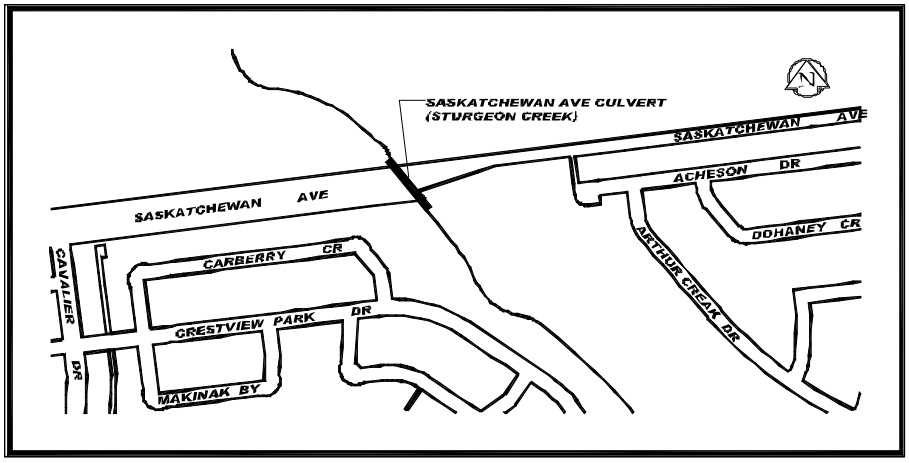
| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 1,000 | 1,000 | - | 2,000 | 2,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 1,000 | 1,000 | | 2,000 | 2,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 850 | 1,000 | 150 | - | 2,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 850 | 1,000 | 150 | - | 2,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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: **Pembina Highway Underpass**

Department: Public Works
Project: 1805000218

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

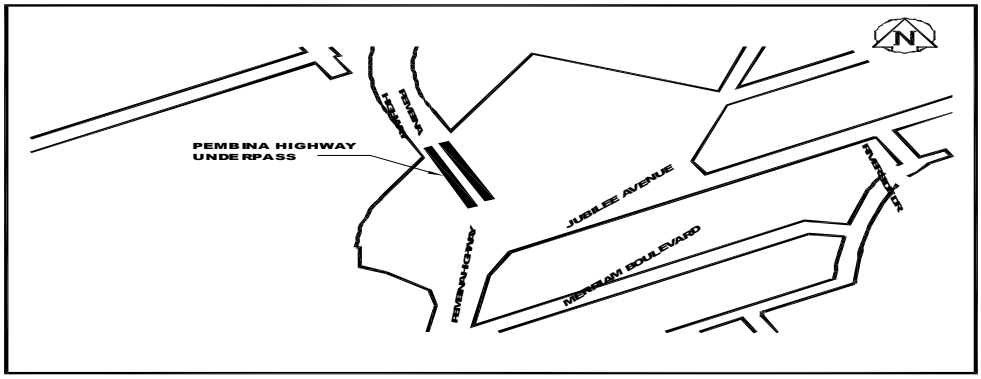
| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,300 | - | - | - | - | - | 6,000 | 6,000 | 6,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | | 6,000 | 6,000 | 6,000 |
| Provincial Funding for Road Improvements | 650 | | | | | | | - | - |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 5,100 | 900 | 6,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 5,100 | 900 | 6,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Funding shown in 2018 is for a detailed design and property acquisition.

The widened and rehabilitated underpass is expected to provide service for 75 years.



Project Name: **St. James Street Bridge (Omand's Creek)**

Department: Public Works
Project: 1805000413

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

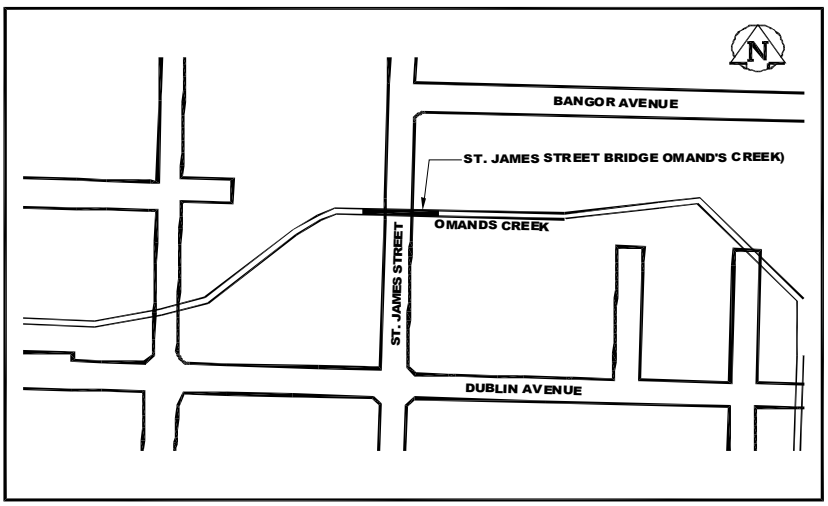
| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 700 | 1,461 | - | - | - | - | 1,461 | 2,161 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 650 | 511 | | | | | 511 | 1,161 |
| Provincial Funding for Road Improvements | | 50 | 950 | | | | | 950 | 1,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 596 | 1,347 | 218 | - | - | - | - | 2,161 |
| Financed by: | | | | | | | | |
| Cash to Capital | 553 | 532 | 76 | | | | | 1,161 |
| Provincial Funding for Road Improvements | 43 | 815 | 142 | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 650 | 511 | |
| **Total Direct Costs** | 650 | 511 | - |
| Less: Incremental Revenue/Recovery | 36 | 81 | 13 |
| **Net Cost/(Benefit)** | 614 | 430 | (13) |

2013 - Preliminary and detailed engineering design and property acquisition. 2014 - Construction to undertake full rehabilitation and safety improvements.

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



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

Department: Public Works
Project: 1805000314

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

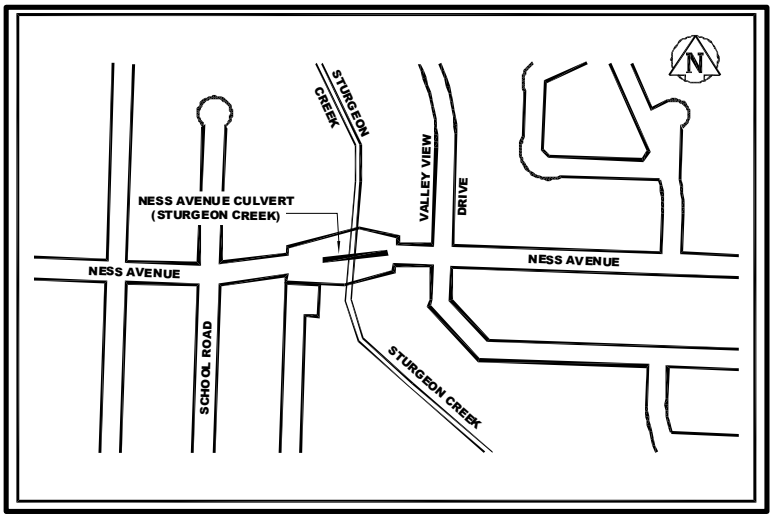
| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,000 | 2,000 | 11,000 | - | - | 14,000 | 14,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 500 | 1,000 | 7,000 | | | 8,500 | 8,500 |
| Provincial Funding for Road Improvements | | | 500 | 1,000 | 4,000 | | | 5,500 | 5,500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 850 | 1,850 | 9,650 | 1,650 | - | - | 14,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 425 | 925 | 6,100 | 1,050 | | | 8,500 |
| Provincial Funding for Road Improvements | | 425 | 925 | 3,550 | 600 | | | 5,500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 500 | 1,000 |
| **Total Direct Costs** | - | 500 | 1,000 |
| Less: Incremental Revenue/Recovery | | 26 | 56 |
| **Net Cost/(Benefit)** | - | 474 | 944 |

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: **Portage Avenue Bridge (Sturgeon Creek)**

Department: Public Works
Project: 1805000212

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

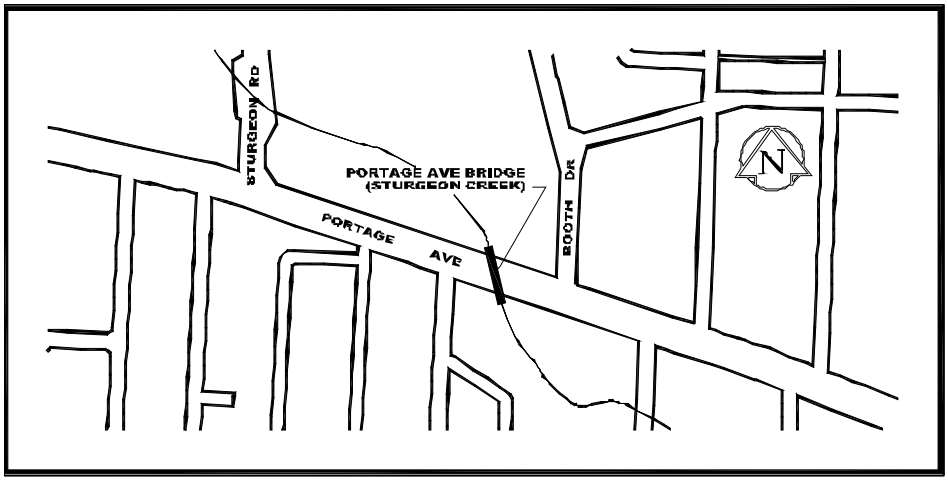
| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 700 | 5,000 | - | - | - | - | 5,000 | 5,700 |
| Financed by: | | | | | | | | | |
| Cash to Capital | 250 | 450 | 2,500 | | | | | 2,500 | 2,950 |
| Provincial Funding for Road Improvements | 250 | 250 | 2,500 | | | | | 2,500 | 2,750 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 595 | 4,356 | 749 | - | - | - | - | 5,700 |
| Financed by: | | | | | | | | |
| Cash to Capital | 383 | 2,193 | 374 | | | | | 2,950 |
| Provincial Funding for Road Improvements | 212 | 2,163 | 375 | | | | | 2,750 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 450 | 2,500 | |
| **Total Direct Costs** | 450 | 2,500 | - |
| Less: Incremental Revenue/Recovery | 36 | 261 | 45 |
| **Net Cost/(Benefit)** | 414 | 2,239 | (45) |

Full bridge rehabilitation with a total budget requirement of $6,200,000. 2012 - preliminary design $500,000; 2013 - detailed design $700,000; 2014 - construction $5,000,000.

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



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

Department: Public Works
Project: 1805000215

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

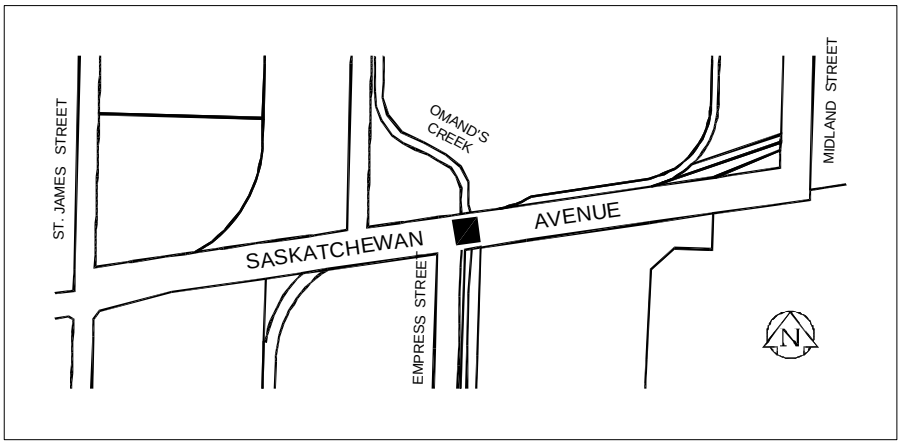
| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 700 | 2,300 | - | - | 3,000 | 3,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 450 | 1,300 | | | 1,750 | 1,750 |
| Provincial Funding for Road Improvements | | | | 250 | 1,000 | | | 1,250 | 1,250 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 594 | 2,061 | 345 | - | - | 3,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 382 | 1,173 | 195 | | | 1,750 |
| Provincial Funding for Road Improvements | | | 212 | 888 | 150 | | | 1,250 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | 450 |
| **Total Direct Costs** | - | - | 450 |
| Less: Incremental Revenue/Recovery | | | 36 |
| **Net Cost/(Benefit)** | - | - | 414 |

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.



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

Department: Public Works
Project: 1805000315

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

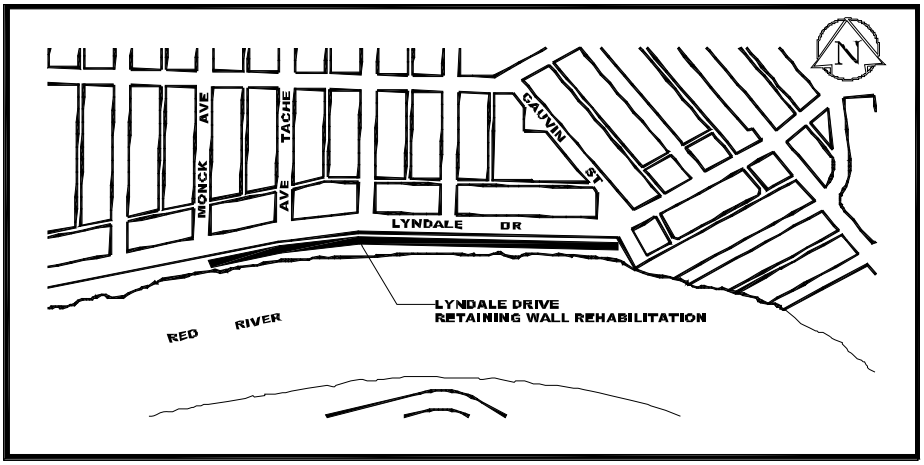
| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 500 | 500 | 3,000 | - | 4,000 | 4,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 250 | 250 | 1,500 | | 2,000 | 2,000 |
| Provincial Funding for Road Improvements | | | | 250 | 250 | 1,500 | | 2,000 | 2,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 426 | 498 | 2,626 | 450 | - | 4,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 213 | 249 | 1,313 | 225 | | 2,000 |
| Provincial Funding for Road Improvements | | | 213 | 249 | 1,313 | 225 | | 2,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | 250 |
| **Total Direct Costs** | - | - | 250 |
| Less: Incremental Revenue/Recovery | | | 26 |
| **Net Cost/(Benefit)** | - | - | 224 |

This retaining wall forms part of the Lyndale Drive primary dike system between Monck Avenue and Gauvin Street. The total estimated budget requirement is $4,000,000 with $500,000 in 2015 for preliminary design, $500,000 in 2016 for detailed design, and $3,000,000 in 2017 for construction.

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



Project Name: **Osborne Street Underpass**

Department: Public Works
Project: 1805000415

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

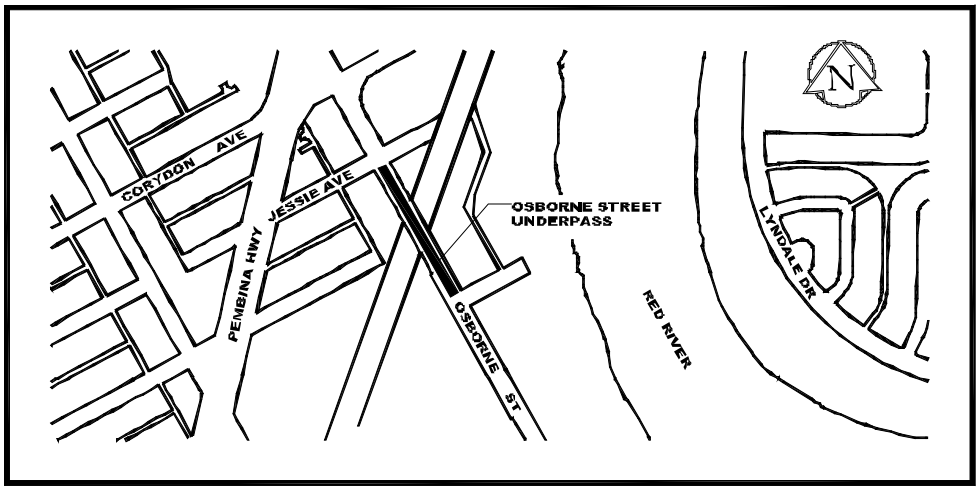
| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 2,500 | - | 2,500 | - | 5,000 | 5,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 1,250 | | 2,500 | | 3,750 | 3,750 |
| Provincial Funding for Road Improvements | | | | 1,250 | | | | 1,250 | 1,250 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 2,126 | 375 | 2,124 | 375 | - | 5,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 1,063 | 188 | 2,124 | 375 | | 3,750 |
| Provincial Funding for Road Improvements | | | 1,063 | 187 | | | | 1,250 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | 1,250 |
| **Total Direct Costs** | - | - | 1,250 |
| Less: Incremental Revenue/Recovery | | | 128 |
| **Net Cost/(Benefit)** | - | - | 1,122 |

2015 - Project budget shown is to undertake conceptual study/design, preliminary design, property acquisition and public consultation.
2017 - detailed design. An estimated project construction budget is to be determined as part of the preliminary engineering study.

The reconstructed underpass is expected to provide service for 75 years.



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

Department: Public Works
Project: 1805000318

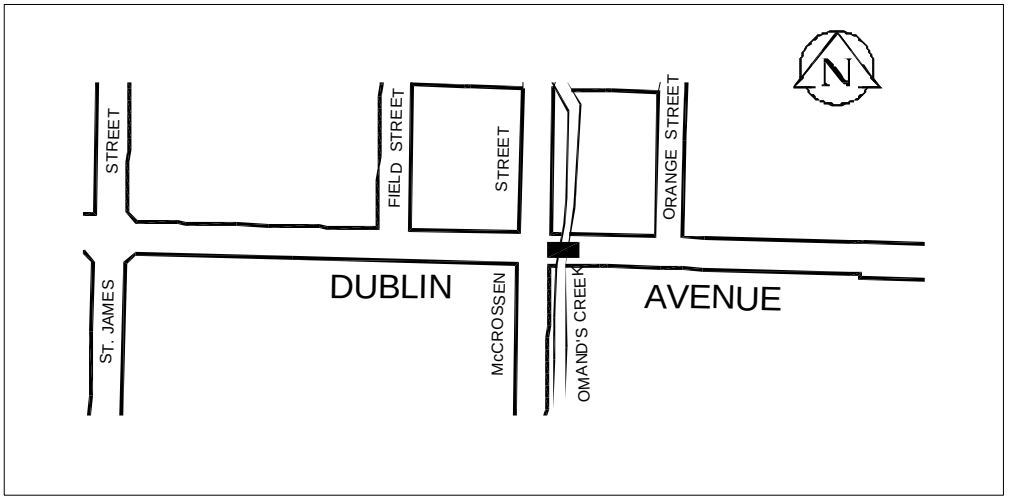
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 500 | 500 | 500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | | 500 | 500 | 500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 425 | 75 | 500 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 425 | 75 | 500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

2018 - Preliminary design for bridge rehabilitation or improvement.



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

Department: Public Works
Project: 1805000113

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 3,200 | 2,000 | 2,000 | 3,000 | 3,000 | 3,000 | 13,000 | 16,200 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 3,200 | 2,000 | 2,000 | 3,000 | 3,000 | 3,000 | 13,000 | 16,200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,720 | 2,180 | 2,000 | 2,850 | 3,000 | 3,000 | 450 | 16,200 |
| Financed by: | | | | | | | | |
| Cash to Capital | 2,720 | 2,180 | 2,000 | 2,850 | 3,000 | 3,000 | 450 | 16,200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 3,200 | 2,000 | 2,000 |
| **Total Direct Costs** | 3,200 | 2,000 | 2,000 |
| Less: Incremental Revenue/Recovery | 163 | 131 | 120 |
| **Net Cost/(Benefit)** | 3,037 | 1,869 | 1,880 |

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.

On March 21, 2012 Council approved a first call in the amount of $2,200,000 for the Sturgeon Road Bridge project.

* 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: 1805100113

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 195,000 | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Public Private Partnership | 101,211 | | | | | | | - | - |
| Upfront Project Costs | | | | | | | | | |
| Cash to Capital | 18,789 | | | | | | | - | - |
| **Future Payments** | | | | | | | | | |
| Federal Gas Tax | 26,000 | 18,645 | 18,550 | 18,480 | 18,400 | 18,325 | 18,250 | 92,005 | 110,650 |
| Encumbrance Toward Commissioning Payment | (18,300) | | | | | | | - | - |
| Public Private Partnership Annual Service / Financing Payments | (7,700) | (18,645) | (18,550) | (18,480) | (18,400) | (18,325) | (18,250) | (92,005) | (110,650) |
| External Debt | 75,000 | | | | | | | | |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 18,645 | 18,550 | 18,480 | 18,400 | 18,325 | 18,250 | 357,350 | 468,000 |
| Financed by: | | | | | | | | |
| Federal Gas Tax | 18,645 | 18,550 | 18,480 | 18,400 | 18,325 | 18,250 | 357,350 | 468,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | (98) | (98) | (98) |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | (98) | (98) | (98) |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | (98) | (98) | (98) |

In 2010, Plenary Roads Winnipeg (PRW) was awarded the contract to design, build, finance and maintain the Disraeli Bridge and Overpass Facility. The roads bridges were replaced with entirely new structures that have a design life of 75 years.

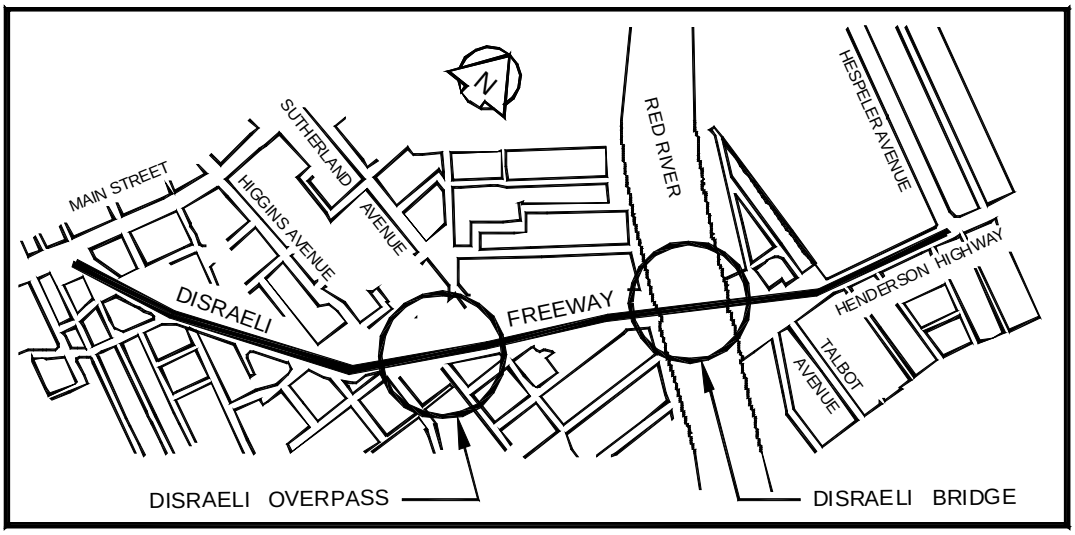
The bridges are designed to accommodate future expansion to six lanes, should that option be pursued. A minimum of four lanes remained open throughout construction during all peak travel times (Monday to Friday 6 am to 6 pm). The new bridge structures and roadway from Main Street to Hespler Avenue were fully opened to traffic and placed into service on October 19, 2012. Decommissioning of the old bridge structures and construction of the dedicated pedestrian/cycle bridge over the Red River will occur over the following year and is expected to be completed in the fall of 2013.

As such, the City has made a down payment of $75 million to PRW and commenced monthly payments to PRW over the 30 year term of the contract to cover the remaining capital cost of the works as well as the maintenance of the facility. Payments to PRW are based on performance and payments are reduced where the City's performance specifications are not met. A portion of the payment to PRW relates to maintenance of the facilities and is adjusted for changes to the Consumer Price Index on an annual basis.

Council has approved a by-law authorizing up to $75 million in external debt for this project. The encumbrance of $18.3 million has been applied to reduce external debt and $25 million in external debt has been issued by The Public Service at an interest rate of 3.759% over a repayment term of 40 years. The Public Service will seek to minimize external debt related to the remaining $31.7 million balance to the extent that internal financing may be available.

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

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



Project Name: **Charleswood Bridge**

Department: Public Works
Project: 1805200113

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | 8,868 | 17,736 |
| Financed by: | | | | | | | | |
| Cash to Capital - See Note | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | 8,868 | 17,736 |

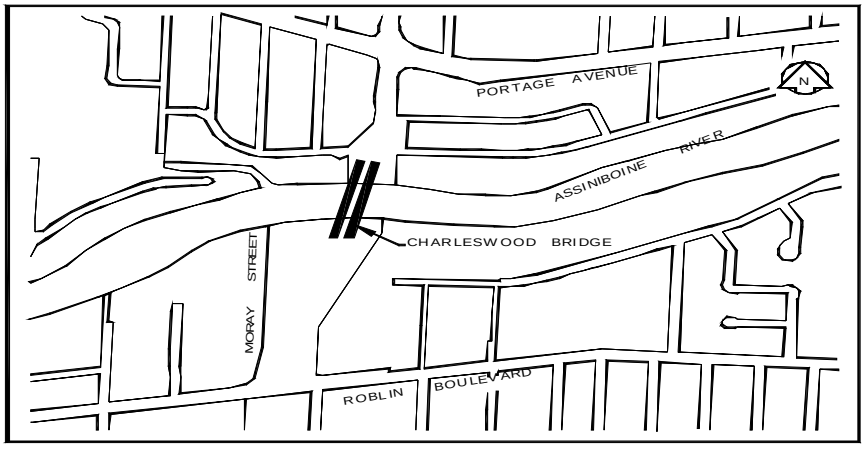
| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,478 | 1,478 | 1,478 |
| **Total Direct Costs** | 1,478 | 1,478 | 1,478 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,478 | 1,478 | 1,478 |

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 2018 equals payments to 2024.



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

Department: Public Works
Project: 1801100113

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 108,500 | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Public Private Partnership | 51,200 | | | | | | | - | - |
| PPP Canada Inc. - Federal Funding | 22,300 | | | | | | | - | - |
| Provincial Funding for Road Improvements | 9,000 | | | | | | | - | - |
| Cash to Capital | 7,300 | | | | | | | - | - |
| **Future Payments** | | | | | | | | | |
| Cash to Capital | 2,869 | 1,615 | 1,650 | 1,690 | 1,735 | 1,770 | 1,815 | 8,660 | 10,275 |
| Federal Gas Tax | 7,859 | 5,415 | 5,415 | 5,415 | 5,415 | 5,415 | 5,415 | 27,075 | 32,490 |
| Public Private Partnership Annual Service / Financing Payments | (10,728) | (7,030) | (7,065) | (7,105) | (7,150) | (7,185) | (7,230) | (35,735) | (42,765) |
| External Debt | 18,700 | | | | | | | - | - |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 7,030 | 7,065 | 7,105 | 7,150 | 7,185 | 7,230 | 195,027 | 237,792 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,615 | 1,650 | 1,690 | 1,735 | 1,770 | 1,815 | 72,926 | 83,201 |
| Federal Gas Tax | 5,415 | 5,415 | 5,415 | 5,415 | 5,415 | 5,415 | 122,101 | 154,591 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 200 | 200 | 200 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,615 | 1,650 | 1,690 |
| **Total Direct Costs** | 1,815 | 1,850 | 1,890 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,815 | 1,850 | 1,890 |

This project was approved by Council on July 21, 2010.

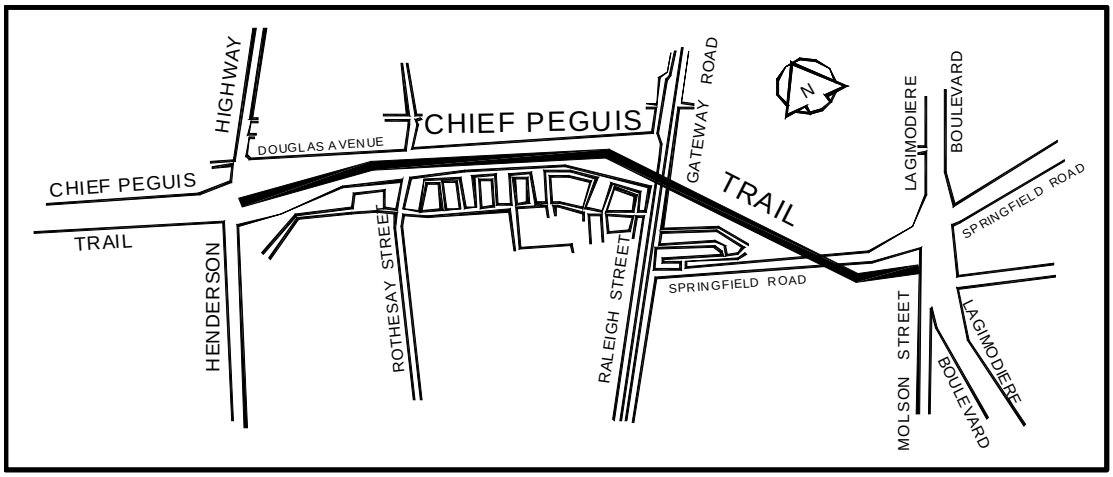
The facility opened to traffic on December 2, 2011, approximately 1 year ahead of schedule with landscaping and active transportation pathways completed in the summer of 2012.

Future payments represent the on-going lease payments to DBF2, principal and interest amounts associated with the $18.7 million in 40 year external debt issued by the City, as well as other costs associated with monitoring private operator performance.

The contract with DBF2 makes them responsible for the lifecycle maintenance of the facility. The contract is for 30 years and began on December 2, 2012. There are significant provisions in the contract to ensure the City's performance specifications are met and that the facility is returned to the City in good condition at the end of the contract.

A portion of the payment to DBF2 ($1.4 million in 2013) represents an annual amount dedicated to the maintenance of the facility, including long term rehabilitative costs. This amount is adjusted for Consumer Price Index on an annual basis.

***Chief Peguis Trail (continued):***



Project Name: **Waverley West Arterial Roads Project**

Department: Public Works
Project: 1803000110

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 54,700 | 9,303 | 5,697 | - | - | - | - | 5,697 | 15,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | 13,967 | 9,303 | 5,697 | | | | | 5,697 | 15,000 |
| Transfer from Prior Authorization | 7,500 | | | | | | | - | - |
| Building Canada Funding | 18,233 | | | | | | | - | - |
| Provincial Government Funding | 15,000 | | | | | | | - | - |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 7,908 | 6,237 | 855 | - | - | - | - | 15,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 7,908 | 6,237 | 855 | | | | | 15,000 |

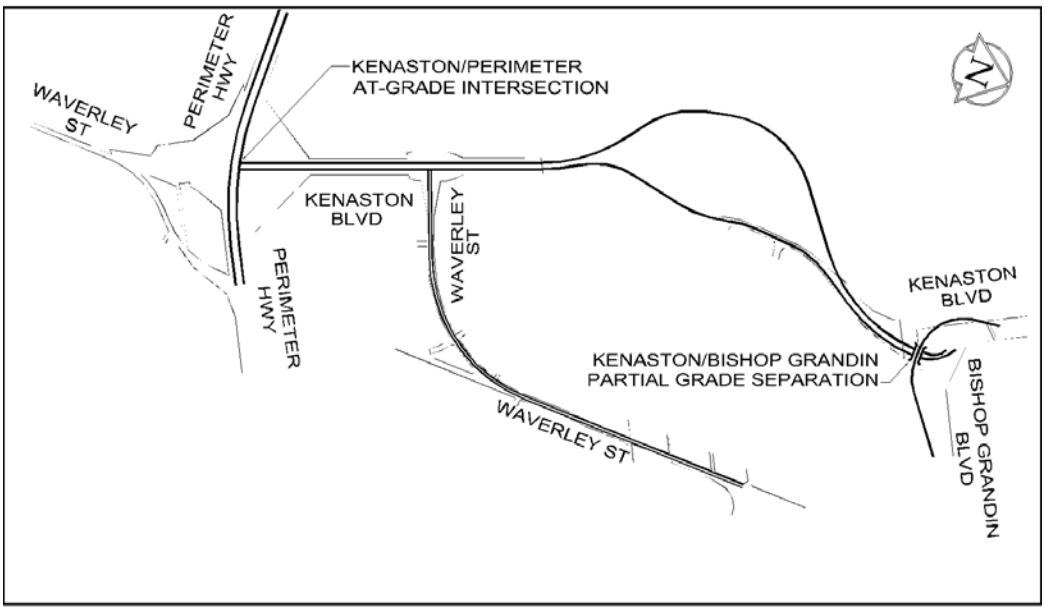
| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 60 | 130 | 200 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 9,303 | 5,697 | |
| **Total Direct Costs** | 9,363 | 5,827 | 200 |
| Less: Incremental Revenue/Recovery | 474 | 374 | 51 |
| **Net Cost/(Benefit)** | 8,889 | 5,453 | 149 |

On September 13, 2009, $54.7 million was announced in joint Federal-Provincial-City funding for the Waverley West Arterial Roads Project. The investment will allow for future economic growth in this area, decrease commute times and improve safety for motorists. Funding is made available under the Building Canada Fund - Major Infrastructure component, part of Canada's Economic Action Plan.

The project includes; the intersection of Kenaston and Bishop Grandin with a partial grade separation, the extension of Kenaston as a four lane arterial roadway from Bishop Grandin to Provincial Trunk Highway (PTH) 100, an at grade intersection of the proposed Kenaston and PTH 100, the addition of two new lanes on the existing Waverley and the rehabilitation of the two existing lanes to connect with the four lane arterial roadway to the north, a new four lane section of Waverley that creates a realignment of the existing street in a westerly direction to the proposed Kenaston Blvd, a new at grade intersection of the new Kenaston and the realigned Waverley Street, and the decommissioning of the at grade intersection of Waverley and PTH 100.

Funds adopted in the 2009 Capital Budget for the Kenaston Boulevard extension and Bishop Grandin intersection have been transferred to this project. Recent project estimate projections, based on updated design and actual costs of project elements undertaken prior to 2013, indicate a budget shortfall of up to $20 million, compared to the originally provided budget. This project includes a $15 million increase in 2013 and 2014 budgets as the City will request the Province of Manitoba to fund the additional $5 million for the Kenaston and PTH100 intersection upgrades as the Perimeter Highway is the responsibility of the provincial government.

***Waverley West (continued):***



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

Department: Public Works
Project: 1812000113

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 405 | 405 | - | - | 100 | 100 | 605 | 1,010 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 405 | 405 | | | 100 | 100 | 605 | 1,010 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 344 | 405 | 61 | - | 85 | 100 | 15 | 1,010 |
| Financed by: | | | | | | | | |
| Cash to Capital | 344 | 405 | 61 | | 85 | 100 | 15 | 1,010 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 405 | 405 | |
| **Total Direct Costs** | 405 | 405 | - |
| Less: Incremental Revenue/Recovery | 21 | 24 | 4 |
| **Net Cost/(Benefit)** | 384 | 381 | (4) |

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.

| Funds will be allocated to: | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Total |
|---|---|---|---|---|---|---|---|
| Traffic Signals Branch, Transportation Division | 50 | 50 | | | | | 100 |
| Traffic Services Branch, Streets Maintenance Division | 25 | 25 | | | | | 50 |
| Asset Management Branch, Engineering Division | 100 | 100 | | | 100 | 100 | 400 |
| Park Services Operational Support Branch, Parks and Open Spaces Division | 230 | 230 | | | | | 460 |
| | **405** | **405** | **-** | **-** | **100** | **100** | **1,010** |

* 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: 1813000113

Capital Priority Rating: 2 - 3
Service: Land Drainage and Flood Control
OurWinnipeg: Vitality

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | 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) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 | 8 | 9 | 9 |
| **Net Cost/(Benefit)** | 142 | 141 | 141 |

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: 1834000113

Capital Priority Rating: 3 - 4
Service: Transportation Planning and Traffic Management
OurWinnipeg: Key Directions for the Entire City

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | 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) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 | 9 | 9 | 9 |
| **Net Cost/(Benefit)** | 291 | 291 | 291 |

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. To allow for eventual implementation of proposed regional streets transportation plans by 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: 1850000113

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | 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) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 |

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: 1852000113

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 200 | 200 | 124 | 200 | 200 | 200 | 924 | 1,124 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | 200 | 124 | 200 | 200 | 200 | 924 | 1,124 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 200 | 124 | 200 | 200 | 200 | - | 1,124 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | 200 | 124 | 200 | 200 | 200 | | 1,124 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 10 | 20 | 26 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 200 | 200 | 124 |
| **Total Direct Costs** | 210 | 220 | 150 |
| Less: Incremental Revenue/Recovery | 6 | 6 | 4 |
| **Net Cost/(Benefit)** | 204 | 214 | 146 |

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.

2013 John Blumberg Soccer - installation of irrigation system and re-crowning/sodding of one soccer pitch.

* 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: 1853000113

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 677 | 653 | 655 | 655 | 655 | 655 | 3,273 | 3,950 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 677 | 653 | 655 | 655 | 655 | 655 | 3,273 | 3,950 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 575 | 657 | 655 | 655 | 655 | 655 | 98 | 3,950 |
| Financed by: | | | | | | | | |
| Cash to Capital | 575 | 657 | 655 | 655 | 655 | 655 | 98 | 3,950 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 20 | 61 | 102 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 677 | 653 | 655 |
| **Total Direct Costs** | 697 | 714 | 757 |
| Less: Incremental Revenue/Recovery | 17 | 20 | 20 |
| **Net Cost/(Benefit)** | 680 | 694 | 737 |

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

2013 Funds will be allocated to:

1) St. Vital Park - replacement of summer washroom building - $300,000

2) Assiniboine Riverwalk - completion of pathway lighting, supply and installation of 50 lights - $250,000

3) Kildonan Park - Peguis Pavilion exterior landscape replacement: new unit pavers, new signage, new retaining wall, new planters - $127,000

* 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: 1854000113

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,150 | 200 | 1,500 | - | 2,150 | - | - | 3,650 | 3,850 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | 1,500 | | 2,150 | | | 3,650 | 3,850 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 170 | 1,305 | 225 | 1,828 | 322 | - | - | 3,850 |
| Financed by: | | | | | | | | |
| Cash to Capital | 170 | 1,305 | 225 | 1,828 | 322 | | | 3,850 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 200 | 1,500 | |
| **Total Direct Costs** | 200 | 1,500 | - |
| Less: Incremental Revenue/Recovery | 5 | 39 | 7 |
| **Net Cost/(Benefit)** | 195 | 1,461 | (7) |

Refurbishment and replacement of aging park buildings.

| Funds will be allocated to: | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Total |
|---|---|---|---|---|---|---|---|
| Assiniboine Park Zoo Complex Sewer Siphon Assiniboine River Crossing - Engineering assessment, study & design in 2013 Replacement in 2014. | 200 | 1,500 | | | | | 1,700 |
| La Barriere Park - Washroom/Warm-up Building complete refurbishment | | | | 500 | | | 500 |
| Kildonan Park - Rainbow Stage refurbishment | | | | 1,650 | | | 1,650 |
| | **200** | **1,500** | **-** | **2,150** | **-** | **-** | **3,850** |

Project Name: **Playground Structures**

Department: Public Works
Project: 1855000113

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 9,000 | 10,800 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 9,000 | 10,800 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,530 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 270 | 10,800 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,530 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 270 | 10,800 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 88 | 176 | 264 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,800 | 1,800 | 1,800 |
| **Total Direct Costs** | 1,888 | 1,976 | 2,064 |
| Less: Incremental Revenue/Recovery | 92 | 108 | 108 |
| **Net Cost/(Benefit)** | 1,796 | 1,868 | 1,956 |

This program replaces one playground per ward per year.

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

Project Name: **Hardsurface Upgrading**

Department: Public Works
Project: 1856000113

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 150 | 150 | - | 150 | 150 | 150 | 600 | 750 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 150 | 150 | | 150 | 150 | 150 | 600 | 750 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 128 | 150 | 22 | 128 | 150 | 150 | 22 | 750 |
| Financed by: | | | | | | | | |
| Cash to Capital | 128 | 150 | 22 | 128 | 150 | 150 | 22 | 750 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 150 | 150 | |
| **Total Direct Costs** | 150 | 150 | - |
| Less: Incremental Revenue/Recovery | 4 | 5 | 1 |
| **Net Cost/(Benefit)** | 146 | 145 | (1) |

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

| Funds will be allocated to: | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Total |
|---|---|---|---|---|---|---|---|
| Lindenwoods Park Path - asphalt path replacement (along retention pond) | 150 | | | | | | 150 |
| Various locations | | 150 | | 150 | 150 | 150 | 600 |
| | **150** | **150** | **-** | **150** | **150** | **150** | **750** |

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

Project Name: **Community Park Amenities**

Department: Public Works
Project: 1857000113

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 7,500 | 9,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 7,500 | 9,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,275 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 225 | 9,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,275 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 225 | 9,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 11 | 22 | 33 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,500 | 1,500 | 1,500 |
| **Total Direct Costs** | 1,511 | 1,522 | 1,533 |
| Less: Incremental Revenue/Recovery | 77 | 90 | 90 |
| **Net Cost/(Benefit)** | 1,434 | 1,432 | 1,443 |

Refurbishment and replacement of park amenities in the Parks and Open Space Division's inventory at various locations. Amenities may include items such as park signage, park furniture, fencing, lighting, paths, hard surfacing, vegetation, play equipment, and athletic facilities.

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

Project Name: **Insect Control - Information System**

Department: Public Works
Project: 1858000115

Capital Priority Rating: 1 - 4
Service: Insect Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 1,250 | - | - | - | 1,250 | 1,250 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 1,250 | | | | 1,250 | 1,250 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,063 | 187 | - | - | - | 1,250 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 1,063 | 187 | | | | 1,250 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | 1,250 |
| **Total Direct Costs** | - | - | 1,250 |
| Less: Incremental Revenue/Recovery | | | 32 |
| **Net Cost/(Benefit)** | - | - | 1,218 |

This project will create a totally integrated Insect Control information system that includes: dispatch, inventory control, billing, tracking and reporting, larviciding and fogging. This system will enable Insect Control to more effectively coordinate their fogging and larviciding programs and use their products in a more efficient manner. The current system is comprised of disparate applications that have been created over the last 5-10 years. It is anticipated that since Insect Control is a very unique function, no "off the shelf" software will be available, therefore it will need to be custom built.

The information system is expected to provide 10 years of service.

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

Department: Public Works
Project: 1858000118

Capital Priority Rating: 1 - 4
Service: Insect Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 850 | 150 | 1,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 850 | 150 | 1,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The Insect Control Operations Building at 3 Grey Street requires replacement. The existing building is very old and no longer meets the increased size and scope of today's insect control service delivery demands.

The building is expected to provide 40 years of service life.

Project Name: **Dutch Elm Disease Strategy**

Department: Public Works
Project: 1858000113

Capital Priority Rating: 3 - 4
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 2,754 | - | - | - | - | - | - | 2,754 |
| Financed by: | | | | | | | | | |
| Transfer from Departmental | | | | | | | | | |
| Non-Specified Capital Account | | 1,404 | | | | | | - | 1,404 |
| Provincial Funding for DED Strategy | | 1,350 | | | | | | - | 1,350 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,341 | 413 | - | - | - | - | - | 2,754 |
| Financed by: | | | | | | | | |
| Transfer from Departmental | | | | | | | | |
| Non-Specified Capital Account | 1,193 | 211 | | | | | | 1,404 |
| Provincial Funding for DED Strategy | 1,148 | 202 | | | | | | 1,350 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 550 | | 68 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 550 | - | 68 |
| Less: Incremental Revenue/Recovery | 47 | 8 | |
| **Net Cost/(Benefit)** | 503 | (8) | 68 |

The proposed Dutch Elm Disease (DED) management strategy aligns directly with the Government of Manitoba's eight-year strategic action plan, TomorrowNow - Manitoba's Green Plan which identifies a call to action for stronger invasive species measures including DED management. Enhanced protection of our urban forest from DED plays a role in all of the key priorities outlined in TomorrowNow including the role of the urban forest in mitigating the impacts of climate change (greenhouse gas reduction) to our communities and quality of life.

**A full enhanced management strategy includes:**

| Activity (in $000s) | Total Cost of Activity | Capital Budget | Provincial Share - capital | Operating Budget | Provincial Share - operating |
|---|---|---|---|---|---|
| Elm Inventory Update | 100 | 50 | 50 | | |
| Increased Surveillance/Rapid Removal Pilot | 900 | | | 450 | 450 |
| Enhanced Elm Bark Beetle Control | 200 | | | 100 | 100 |
| Tree Replacement Ratio 2:1 | 2,000 | 1,000 | 1,000 | | |
| Subsidize Private Property Tree Planting | 600 | 300 | 300 | | |
| | **3,800** | **1,350** | **1,350** | **550** | **550** |

The total capital costs are expected to be $2.7 million plus $54,000 in interest and administrative expenses in 2013. Expected provincial funding in 2013 towards capital costs is $1.35 million. Total additional operating costs are expected to be $1.1 million of which a provincial contribution is expected of $550,000. The total cost for the enhanced management strategy is $3.8 million, of which 50% will be requested and subject to provincial cost sharing amounting to $1.9 million.

As part of a separate report to Council, The City of Winnipeg will request that the Province of Manitoba reinstate the buffer areas in the Ritchot and Springfield municipalities including elm bark beetle control. In addition, the full enhanced management strategy implementation is subject to provincial cost sharing.

Project Name: **Local Improvements - Ongoing Program**

Department: Assessment and Taxation
Project: 1420000113

Capital Priority Rating: 2 - 3
Service: Roadway Construction and Maintenance
OurWinnipeg: Vitality

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 10,000 | 10,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 400 | 400 | 400 | 400 | 400 | 2,000 | 2,000 |
| External Debt | | | 1,600 | 1,600 | 1,600 | 1,600 | 1,600 | 8,000 | 8,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,600 | 2,000 | 2,000 | 2,000 | 2,000 | 400 | 10,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 320 | 400 | 400 | 400 | 400 | 80 | 2,000 |
| External Debt | | 1,280 | 1,600 | 1,600 | 1,600 | 1,600 | 320 | 8,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | 96 | |
| Transfer to General Capital Fund | | 400 | 400 |
| **Total Direct Costs** | - | 496 | 400 |
| Less: Incremental Revenue/Recovery | | 96 | |
| **Net Cost/(Benefit)** | - | 400 | 400 |

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: **Community Incentive Grant Program**

Department: Community Services
Project: 62510001yy

Capital Priority Rating: 1 - 1
Service: Neighbourhood Revitalization
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,569 | 1,600 | 1,632 | 1,665 | 1,698 | 1,732 | 8,327 | 9,896 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,569 | 1,600 | 1,632 | 1,665 | 1,698 | 1,732 | 8,327 | 9,896 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,569 | 1,600 | 1,632 | 1,665 | 1,698 | 1,732 | - | 9,896 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,569 | 1,600 | 1,632 | 1,665 | 1,698 | 1,732 | | 9,896 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,569 | 1,600 | 1,632 |
| **Total Direct Costs** | 1,569 | 1,600 | 1,632 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,569 | 1,600 | 1,632 |

The Community Incentive Grant Program, 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, 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.

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: 62110005yy

Capital Priority Rating: 1 - 2
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 800 | 500 | 500 | 200 | 600 | 606 | 2,406 | 3,206 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | 200 | 200 | 200 | 300 | 306 | 1,206 | 1,406 |
| External debt | | 600 | 300 | 300 | | 300 | 300 | 1,200 | 1,800 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | 500 | 500 | 200 | 600 | 606 | - | 3,206 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | 200 | 200 | 200 | 300 | 306 | | 1,406 |
| External debt | 600 | 300 | 300 | | 300 | 300 | | 1,800 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | 6 | 26 | 45 |
| Transfer to General Capital Fund | 200 | 200 | 200 |
| **Total Direct Costs** | 206 | 226 | 245 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 206 | 226 | 245 |

Continued capital funding is required to replace library interior infrastructure (e.g. workstations, public work space, furniture, shelving). Much of the interior infrastructure are from the original opening of those facilities. Replacement is required, in some cases for safety reasons, in order to ensure that library facilities remain safe, accessible and welcoming spaces for the changing needs of library users.

Capital funds reflect the "Library Facility Redevelopment Strategy" June 2012 administrative report. As new libraries are redeveloped, funds are also required for the interior infrastructure.

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

Project Name: **Library Facility Redevelopment - New Infrastructure**

Department: Community Services
Project: 62130001yy

Capital Priority Rating: 1 - 2
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 6,776 | 5,083 | 5,360 | - | 1,168 | 6,192 | 17,803 | 24,579 |
| Financed by: | | | | | | | | | |
| External Debt | | 6,776 | 5,083 | 5,360 | | 1,168 | 6,192 | 17,803 | 24,579 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 6,776 | 5,083 | 5,360 | - | 1,168 | 6,192 | - | 24,579 |
| Financed by: | | | | | | | | |
| External Debt | 6,776 | 5,083 | 5,360 | | 1,168 | 6,192 | | 24,579 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | 203 | 810 | 1,303 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 203 | 810 | 1,303 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 203 | 810 | 1,303 |

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. As the St. Vital/Windsor Park Library amalgamation referenced in the Library Redevelopment Strategy report is no longer a viable option, the Library Redevelopment Strategy will be revised to reflect the following:

- The creation of a multi-use facility through the relocation of the Windsor Park Library at the Boni-Vital Pool site.

- That the Public Service redirect any surplus amalgamation funds not required for the aforementioned towards the upgrade and renovation of the St. Vital Library Branch.

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

- 2013 - Charleswood, Windsor Park - Boni-Vital site and St. Vital

- 2014 - Transcona

- 2015 - River Heights

- 2017 - Westwood

- 2018 - St. James

- 2020 - West Kildonan

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 Mill Rate Support Budget as each library branch project comes forward for final approval, therefore, no operating costs are noted above.

** Supported by Class 3 estimate, see Appendix # 2.

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

Department: Community Services
Project: 621xxxxxyy

Capital Priority Rating: 1 - 2
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 1,000 | 1,500 | 500 | 500 | 510 | 4,010 | 4,010 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 1,000 | 1,500 | 500 | 500 | 510 | 4,010 | 4,010 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,000 | 1,500 | 500 | 500 | 510 | - | 4,010 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 1,000 | 1,500 | 500 | 500 | 510 | | 4,010 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 1,000 | 1,500 |
| **Total Direct Costs** | - | 1,000 | 1,500 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 1,000 | 1,500 |

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.

The funds for 2014 and 2015 are required for a major renovation of two existing branches in partnership with the Winnipeg Library Foundation.

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

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

Department: Community Services
Project: 621xxxxxyy

Capital Priority Rating: 1 - 2
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 250 | 500 | 500 | 500 | 500 | 510 | 2,510 | 2,760 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 250 | 500 | 500 | 500 | 500 | 510 | 2,510 | 2,760 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | 500 | 500 | 500 | 500 | 510 | - | 2,760 |
| Financed by: | | | | | | | | |
| Cash to Capital | 250 | 500 | 500 | 500 | 500 | 510 | | 2,760 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 250 | 500 | 500 |
| **Total Direct Costs** | 250 | 500 | 500 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 250 | 500 | 500 |

These capital funds will be used primarily to support ongoing maintenance costs associated with existing technology. Annual capital funds will be required to upgrade and replace staff and public access personal computers and support new innovative and efficient technology applications in libraries including social media applications, website enhancements, and new library software applications throughout the library system that are capital in nature.

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

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

Department: Community Services
Project: 625000001yy

Capital Priority Rating: 1 - 2
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 400 | 500 | 500 | 600 | 600 | 612 | 2,812 | 3,212 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 400 | 500 | 500 | 600 | 600 | 612 | 2,812 | 3,212 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | 500 | 500 | 600 | 600 | 612 | - | 3,212 |
| Financed by: | | | | | | | | |
| Cash to Capital | 400 | 500 | 500 | 600 | 600 | 612 | | 3,212 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 400 | 500 | 500 |
| **Total Direct Costs** | 400 | 500 | 500 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 400 | 500 | 500 |

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.

Each year a portion of the funds will be utilized for installation of security systems, fitness equipment replacement, and facility amenities and accessibility projects within 13 indoor pools and 9 major recreation centres based upon established priorities.

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.

The heavy use of fitness equipment and customer demands requires that a program of equipment replacement be funded and implemented to ensure safety and meet contemporary needs.

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).

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

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

Department: Community Services
Project: 621xxxxxyy

Capital Priority Rating: 1 - 2
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 200 | 200 | 200 | 200 | 200 | 204 | 1,004 | 1,204 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | 200 | 200 | 200 | 200 | 204 | 1,004 | 1,204 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 200 | 200 | 200 | 200 | 204 | - | 1,204 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | 200 | 200 | 200 | 200 | 204 | | 1,204 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 | | | |
| **Net Cost/(Benefit)** | 200 | 200 | 200 |

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.

* 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: 626xxxxxyy

Capital Priority Rating: 1 - 2
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 250 | - | - | - | 250 | 306 | 556 | 806 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 250 | | | | 250 | 306 | 556 | 806 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | - | - | - | 250 | 306 | - | 806 |
| Financed by: | | | | | | | | |
| Cash to Capital | 250 | | | | 250 | 306 | | 806 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 | - | - |

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.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Recreation Equipment Program**

Department: Community Services
Project: 62510002yy

Capital Priority Rating: 1 - 2
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | - | 400 | - | 400 | - | 800 | 800 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 400 | | 400 | | 800 | 800 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 400 | - | 400 | - | - | 800 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 400 | | 400 | | | 800 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | - | - | 400 |
| **Total Direct Costs** | - | - | 400 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | 400 |

Capital funding is required to purchase recreation equipment to meet the program needs of patrons in new and/or expanded facilities. This capital request coincides with the longer term plan of building new, refurbishing, expanding, and/or improving recreation facilities with the "Recreation Facility Replacement - New Infrastructure" capital project.

* 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: 62xxxxxxyy

Capital Priority Rating: 1 - 2
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 250 | - | - | - | 306 | 556 | 556 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 250 | | | | 306 | 556 | 556 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 250 | - | - | - | 306 | - | 556 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 250 | | | | 306 | | 556 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 | - |

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: 62530001yy

Capital Priority Rating: 1 - 2
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 7,100 | - | - | 3,150 | 10,250 | 10,250 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 7,100 | | | 3,150 | 10,250 | 10,250 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 7,100 | - | - | 3,150 | - | 10,250 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 7,100 | | | 3,150 | | 10,250 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | 7,100 |
| **Total Direct Costs** | - | - | 7,100 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | 7,100 |

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, skateboard parks, basketball courts, arenas).

Funding in 2015 and 2018 is for future projects that could include joint use facilities, multi-use recreation and leisure facilities, and stand alone facilities where a business case can be made (Recreation, Leisure and Library Facility Policy). Population growth and new development in the south quadrant of the city increases the need to replace or expand recreation amenities to meet the citizen demand.

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

Department: Community Services
Project: 62510002yy

Capital Priority Rating: 1 - 2
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | - | - | 1,500 | - | 2,040 | 3,540 | 3,540 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 1,500 | | 2,040 | 3,540 | 3,540 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 1,500 | - | 2,040 | - | 3,540 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 1,500 | | 2,040 | | 3,540 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

This capital program is required to support renovations of existing recreation and aquatic facility infrastructure. Funding will be used to undertake minor and major construction projects in order to improve facilities and meet the changing needs of recreation and aquatic facility users.

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

Project Name: **East Elmwood Community Centre**

Department: Community Services
Project: 62510003yy

Capital Priority Rating: 1 - 2
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,800 | - | - | - | - | - | - | 1,800 |
| Financed by: | | | | | | | | | |
| City (Insurance Proceeds) | | 900 | | | | | | - | 900 |
| Provincial Government Funding | | 900 | | | | | | - | 900 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,800 | - | - | - | - | - | - | 1,800 |
| Financed by: | | | | | | | | |
| City (Insurance Proceeds) | 900 | | | | | | | 900 |
| Provincial Government Funding | 900 | | | | | | | 900 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Funding is required for the replacement of East Elmwood Community Centre which was destroyed by fire in early 2011. $1.8 million in funding for this project includes insurance proceeds of $900,000 and anticipated new incremental funding from the Province of Manitoba of $900,000.

On December 13, 2011 Council adopted a first charge of up to $340,000 in 2012 prior to adoption of the 2013 Capital Budget to undertake initial design work to determine the final cost estimate for the project.

Incremental operating funds required will be included in the Mill Rate Support Budget as the project comes forward for final approval, therefore, no operating budget impacts are noted above.

Note that an additional $3.2 million is proposed for this project through a reprofiling of a previous years' Recreational and Leisure Facilities authorization (see page 3-128).

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

Department: Community Services
Project: 62520001yy

Capital Priority Rating: 1 - 1
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 803 | 965 | 965 | 965 | 965 | 965 | 4,825 | 5,628 |
| Financed by: | | | | | | | | | |
| Land Operating Reserve | | 803 | 965 | 965 | 965 | 965 | 965 | 4,825 | 5,628 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 803 | 965 | 965 | 965 | 965 | 965 | - | 5,628 |
| Financed by: | | | | | | | | |
| Land Operating Reserve | 803 | 965 | 965 | 965 | 965 | 965 | | 5,628 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 actual gross land sales for the fiscal year two years prior to the budget year under consideration (e.g. transfer amounts for the 2013 budget year are based on 15% of actual gross land sales from 2011).

If actual gross land sales 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 $235k is made first with the residual balance, if any, transferred to the General Capital Fund for the CCRGP.

The 2013 transfer from the Land Operating Reserve (LOR) to the General Capital Fund for the 2013 Community Centre Renovation Grant Program has been calculated based upon actual gross land sales as at December 31, 2011. The LOR funding for the CCRGP in 2013 will be $803,251.

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.

Back to Capital Projects Summary

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

Department: Community Services
Project: 6206402013

Capital Priority Rating: 1 - 2
Service: Arts, Entertainment and Culture
OurWinnipeg: Creativity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 5,123 | 5,123 | 5,123 | 5,123 | 5,123 | 5,123 | 25,615 | 30,738 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 4,123 | 5,123 | 5,123 | 5,123 | 5,123 | 5,123 | 25,615 | 29,738 |
| Transfer from Prior Authorization | | 1,000 | | | | | | | 1,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,123 | 5,123 | 5,123 | 5,123 | 5,123 | 5,123 | - | 30,738 |
| Financed by: | | | | | | | | |
| Cash to Capital | 4,123 | 5,123 | 5,123 | 5,123 | 5,123 | 5,123 | | 29,738 |
| Transfer from Prior Authorization | 1,000 | | | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 4,123 | 5,123 | 5,123 |
| **Total Direct Costs** | 4,123 | 5,123 | 5,123 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 4,123 | 5,123 | 5,123 |

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 2012).

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

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: 6206404013

Capital Priority Rating: 1 - 2
Service: Arts, Entertainment and Culture
OurWinnipeg: Creativity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 11,849 | 7,503 | 9,641 | 4,580 | 6,340 | 5,884 | 1,495 | 27,940 | 35,443 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 6,090 | 9,641 | 4,580 | 6,340 | 5,884 | 1,495 | 27,940 | 34,030 |
| External debt | | 1,413 | | | | | | | 1,413 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 7,503 | 9,641 | 4,580 | 6,340 | 5,884 | 1,495 | - | 35,443 |
| Financed by: | | | | | | | | |
| Cash to Capital | 6,090 | 9,641 | 4,580 | 6,340 | 5,884 | 1,495 | | 34,030 |
| External Debt | 1,413 | | | | | | | 1,413 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | 42 | 135 | 135 |
| Transfer to General Capital Fund | 6,090 | 9,641 | 4,580 |
| **Total Direct Costs** | 6,132 | 9,776 | 4,715 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 6,132 | 9,776 | 4,715 |

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.

The capital funds above represent APC's Capital Development capital cash flow needs from The City of Winnipeg as at October 11, 2012.

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.

On December 13, 2011 Council adopted a first charge on the 2013 Capital Budget of up to $4.5 million in 2012 prior to the adoption of the 2013 Capital Budget to facilitate timely work on the Capital Development Plan. This was paid out in April 2012.

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

Project Name: **Improve Access to 765 Keewatin - Sir William Stephenson Library**

Department: Community Services
Project: 621xxxxxyy

Capital Priority Rating: 1 - 2
Service: Libraries
OurWinnipeg: Libraries

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 215 | - | - | - | - | - | - | 215 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 215 | | | | | | | 215 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 215 | - | - | - | - | - | - | 215 |
| Financed by: | | | | | | | | |
| Cash to Capital | 215 | | | | | | | 215 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 215 | | |
| **Total Direct Costs** | 215 | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 215 | - | - |

This capital program is for the installation of a mid-block median opening on Keewatin Street to improve access to 765 Keewatin Street (Sir William Stephenson Library). This proposal is to address a public concern for the safe and accessible entry into the library's parking lot. This concern was raised by the local Lord Selkirk/West Kildonan Library Advisory Committee and brought forward to the Standing Policy Committee on Infrastructure Renewal and Public Works by the Winnipeg Public Library Board. An 11.6 metre wide private approach on the east side of Keewatin Street, 68.6 metres north of Tyndall Avenue is recommended by Public Works Department. This will not result in any traffic operational problems on Keewatin Street. Prior to construction, a formal application with the Public Works Department for the proposed private approach modifications is required. The price has been estimated by the Public Works Department at approximately $137,000 (in 2011 dollars) for on-street works and approximately $54,000 for internal parking lot

The 2011 estimated cost of $191,000 is projected to cost approximately $215,000 by 2013, assuming annual escalation/inflation for years 2012 to 2013.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Communications New Phone System**

Department: Winnipeg Police Service
Project: 22xxxxxx13

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,490 | - | - | - | - | - | - | 1,490 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,490 | | | | | | - | 1,490 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,490 | - | - | - | - | - | - | 1,490 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,490 | | | | | | | 1,490 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,490 | | |
| **Total Direct Costs** | 1,490 | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,490 | - | - |

Technological changes in wireless technology, 911 issues, Voice over Internet Protocol (VoIP), deaf teletype, and data networks require replacement of outdated Nortel systems and equipment.

Work to begin in 2013 to be in place for move to Police Headquarters in 2014.

** Supported by Class 3 estimate, see Appendix # 2

Project Name: **Next Generation 911**

Department: Winnipeg Police Service
Project: 22xxxxxx13

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,900 | - | - | - | - | - | - | 1,900 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,900 | | | | | | - | 1,900 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,900 | - | - | - | - | - | - | 1,900 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,900 | | | | | | | 1,900 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,900 | | |
| **Total Direct Costs** | 1,900 | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,900 | - | - |

Technological changes in 911 to include text, video, and other enhancements, including upgrades to alternate site. Work to occur in 2013 to coincide with move to new Police Headquarters.

** Supported by Class 3 estimate, see Appendix # 2

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

Department: Winnipeg Police Service
Project: 22XXXXXX14

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 179 | - | 321 | - | - | - | - | 321 | 321 |
| Financed by: | | | | | | | | | |
| Transfer from Prior Authorization (2012 Winnipeg Police Service Communications Systems) | | | 321 | | | | | 321 | 321 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 321 | - | - | - | - | - | 321 |
| Financed by: | | | | | | | | |
| Transfer from Prior Authorization (2012 Winnipeg Police Service Communications Systems) | | 321 | | | | | | 321 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

A new Automated Fingerprint Identification System (AFIS) was installed in late 2007. 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 8 years old at time of replacement.

** Supported by Class 1 estimate, see Appendix # 2.

Project Name: **In Car Computing**

Department: Winnipeg Police Service
Project: 22xxxxxx13

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,200 | - | - | - | - | - | - | 1,200 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,200 | | | | | | - | 1,200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,200 | - | - | - | - | - | - | 1,200 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,200 | | | | | | | 1,200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,200 | | |
| **Total Direct Costs** | 1,200 | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,200 | - | - |

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. The introduction of a new class of police vehicle will impact on acquisition and implementation.

** Supported by Class 3 estimate, see Appendix # 2

Project Name: **Officer Mobile Video System**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 1,000 | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 1,000 | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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: **Trunk Radio System**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 7,200 | - | - | 7,200 | 7,200 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 7,200 | | | 7,200 | 7,200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 7,200 | - | - | - | 7,200 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 7,200 | | | | 7,200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

To provide a system wide infrastructure for trunk radio, console and flash radio upgrades. The existing vendor will not support the system past 2014, and it is unknown what will replace the fleetnet radio system after this time. This project will be in conjunction with the Winnipeg Fire Paramedic Service as they are also impacted.

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

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 500 | - | - | 500 | 500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 500 | | | 500 | 500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 500 | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 500 | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

Project Name: **Computer Assisted Dispatch**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 ** | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 2,000 | - | - | - | 2,000 | 2,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 2,000 | | | | 2,000 | 2,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 2,000 | - | - | - | - | 2,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 2,000 | | | | | 2,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | 2,000 |
| **Total Direct Costs** | - | - | 2,000 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | 2,000 |

The main Police Service communication and dispatch system will have been in operation for 10 years and will be at the end of its life cycle.

** Supported by Class 3 estimate, see Appendix # 2

Project Name: **Police Divisions Systems Upgrades**

Department: Winnipeg Police Service
Project: 22xxxxxx13

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | 1,273 | 3,743 | 2,286 | 400 | - | - | 6,429 | 7,702 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,273 | 3,743 | 2,286 | 400 | | | 6,429 | 7,702 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,273 | 3,743 | 2,286 | 400 | - | - | - | 7,702 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,273 | 3,743 | 2,286 | 400 | | | | 7,702 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,273 | 3,743 | 2,286 |
| **Total Direct Costs** | 1,273 | 3,743 | 2,286 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,273 | 3,743 | 2,286 |

See description on following page.

** Supported by Class 3 estimate, see Appendix # 2.

***Police Divisions Systems Upgrades (continued):***

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

| In $000s | | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 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 |
| Blackberry Bez and Niche Service Wide Implementation | | | 268 | | | | | 268 |
| Tracking Software | | | 21 | | | | | 21 |
| Digital Interview Rooms - previously approved and budgeted | | 523 | | | | | | 523 |
| Comm Centre - alternate site | | | | | | | | |
| PC and monitor replacement - alternate site | 100 | | | | | | | |
| Replace alternate site Audio Logger | 80 | | | | | | | |
| Call check replacement alternate site | 80 | | | | | | | |
| Alternate site - consoles, furniture, etc. | 268 | | 528 | | | | | 528 |
| Comm Centre - New Police Headquarters | | | 414 | | | | | 414 |
| ITSD requirements for new headquarters | | | 993 | | | | | 993 |
| Management, Storage and Archival of Police Information | | 750 | | | | | | 750 |
| Computer Upgrades | | | | | | | | |
| Desktop Software Upgrade | 254 | | | | | | | |
| Virtual Server Upgrade | 268 | | | | | | | |
| Firewall Upgrade | 161 | | | | | | | |
| Replacement of DS4700 Storage Area Network | 400 | | 1,083 | | | | | 1,083 |
| Comm Centre - Main Site | | | | | | | | |
| Upgrade consoles main site | 100 | | | | | | | |
| Replace monitors Main Communication Centre | 60 | | | | | | | |
| Replace main site Audio Logger | 80 | | | | | | | |
| Communication centre chair replacements | 25 | | | | | | | |
| Console UPS and battery replacement main site | 10 | | 275 | | | | | 275 |
| Canadian Police Information Centre - replacement of authentication software (original implementation 2009) | | | 161 | | | | | 161 |
| East District Station Upgrade | | | | | 300 | | | 300 |
| | | **1,273** | **3,743** | **2,286** | **400** | **-** | **-** | **7,702** |

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

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 500 | - | - | - | - | 500 | 500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 500 | | | | | 500 | 500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 500 | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 500 | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 500 | |
| **Total Direct Costs** | - | 500 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 500 | - |

New District 3 (North Station) Information Technology requirements.

** Supported by Class 3 estimate, see Appendix # 2

Project Name: **East District Police Station**

Department: Winnipeg Police Service
Project: 633100xx13

Capital Priority Rating: 3 - 3+2
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 13,925 | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 924 | 990 | 990 | 990 | 990 | 1,012 | 4,972 | 5,896 |
| Public Private Partnership Lease Payments | | (924) | (990) | (990) | (990) | (990) | (1,012) | (4,972) | (5,896) |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | |
| Cash to Capital | 924 | 990 | 990 | 990 | 990 | 1,012 | 23,573 | 29,469 |
| Public Private Partnership Lease Payments | (924) | (990) | (990) | (990) | (990) | (1,012) | (23,573) | (29,469) |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 388 | 322 | 322 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 924 | 990 | 990 |
| **Total Direct Costs** | 1,312 | 1,312 | 1,312 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,312 | 1,312 | 1,312 |

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 represent lease payments and include technical maintenance, but not utility and other operating maintenance expenses. This capital detail sheet was prepared by Planning, Property and Development.

** Supported by Class 1 estimate, see Appendix # 2.

Project Name: **South District Police Station**

Department: Winnipeg Police Service
Project: 633100xx13

Capital Priority Rating: 3 - 3+2
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 18,049 | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 585 | 1,170 | 1,170 | 1,170 | 1,170 | 1,237 | 5,917 | 6,502 |
| Public Private Partnership Lease Payments | | (585) | (1,170) | (1,170) | (1,170) | (1,170) | (1,237) | (5,917) | (6,502) |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | |
| Cash to Capital | 585 | 1,170 | 1,170 | 1,170 | 1,170 | 1,237 | 37,954 | 44,456 |
| Public Private Partnership Lease Payments | (585) | (1,170) | (1,170) | (1,170) | (1,170) | (1,237) | (37,954) | (44,456) |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 276 | 553 | 553 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 585 | 1,170 | 1,170 |
| **Total Direct Costs** | 861 | 1,723 | 1,723 |
| Less: Incremental Revenue/Recovery | 27 | 82 | 84 |
| **Net Cost/(Benefit)** | 834 | 1,641 | 1,639 |

On June 27, 2012, Council approved the award of a public-private partnership (P3) contract for the development and operation of the South District Police Station based on a 30-year lease term. Estimated occupancy date is July 1, 2013.

The above annual cash flow estimates represent lease payments and include technical maintenance, but not utility and other operating maintenance expenses. This capital detail sheet was prepared by Planning, Property and Development.

** Supported by Class 1 estimate, see Appendix # 2.

Project Name: **North District Police Station**

Department: Winnipeg Police Service
Project: 633100xx13

Capital Priority Rating: 3 - 3+2
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 26,019 | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 1,305 | 1,305 | 1,305 | 1,305 | 5,220 | 5,220 |
| Public Private Partnership Lease Payments | | | | (1,305) | (1,305) | (1,305) | (1,305) | (5,220) | (5,220) |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 1,305 | 1,305 | 1,305 | 1,305 | 44,393 | 49,613 |
| Public Private Partnership Lease Payments | | | (1,305) | (1,305) | (1,305) | (1,305) | (44,393) | (49,613) |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | 572 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | 1,305 |
| **Total Direct Costs** | - | - | 1,877 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | 1,877 |

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, potentially, property and purchasing the necessary furniture and special equipment.

On June 27, 2012, Council approved the award of a public-private partnership (P3) contract for the development and operation of the South District Police Station based on a 30-year lease term. Estimates for the North District Station are based on the P3 contract. Estimated occupancy date is January 1, 2015.

Project Name: **Winnipeg Police Headquarters Redevelopment**

Department: Winnipeg Police Service
Project: 6331001913

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 187,967 | 5,600 | - | - | - | - | - | - | 5,600 |
| Financed by: | | | | | | | | | |
| Cash to Capital | 25,069 | 5,600 | | | | | | - | 5,600 |
| Interim Financing / (Repayment) | 18,967 | | | (18,967) | | | | (18,967) | (18,967) |
| Land Operating Reserve | | | | 18,967 | | | | 18,967 | 18,967 |
| Manitoba / Winnipeg Infrastructure Fund | 4,011 | | | | | | | - | - |
| External Debt | 139,920 | | | | | | | - | - |
| | | | | | | | | - | - |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,600 | - | - | - | - | - | - | 5,600 |
| Financed by: | | | | | | | | |
| Cash to Capital | 5,600 | | | | | | | 5,600 |
| Interim Financing (Repayment) | | | (18,967) | | | | | (18,967) |
| Land Operating Reserve | | | 18,967 | | | | | 18,967 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 500 | 14,841 | 14,841 |
| External debt and finance charges | 5,063 | | |
| Transfer to General Capital Fund | 6,169 | 569 | 569 |
| **Total Direct Costs** | 11,732 | 15,410 | 15,410 |
| Less: Incremental Revenue/Recovery | 2,000 | 2,000 | 2,000 |
| **Net Cost/(Benefit)** | 9,732 | 13,410 | 13,410 |

On July 20, 2011, Council concurred in the recommendation of the Standing Policy Committee on Downtown Development, Heritage and Riverbank Management, as amended by the Executive Policy Committee, and adopted a number of recommendations resulting in:

1) the 2011 Capital Budget being amended to combine "Winnipeg Police Headquarters" and "Police Headquarters - Other" into a single capital project budget called "Winnipeg Police Headquarters Redevelopment";

2) the combined budget being increased from $127,167,000 to $155,000,000;

3) the allocation to this project of $12,600,000 in costs incurred to acquire the Canada Post Building (266 Graham Avenue);

4) an increase in external borrowing for the project to $139,920,000 from $101,054,000, and;

5) that $7,000,000 in interest charges incurred during the construction period be added.

Council also approved that the Office Tower be held for re-sale at some future date (assumed to be sold on December 31, 2015 for illustrative purposes) and that short-term financing in the amount of $18,967,000 be approved for the Tower either from external sources or through internal funds.

The budget for the $193,567,000 acquisition / redevelopment includes $30,669,000 in internal financing (cash-to-capital), $139,920,000 in external financing, $18,967,000 from the Land Operating Reserve Fund and $4,011,000 from the Manitoba-Winnipeg Infrastructure Fund.

***Winnipeg Police Headquarters Redevelopment (continued):***

Revenue represents rental income from leased space in the tower. Operating expenditures consist of utilities, repairs and maintenance costs, and property taxes related to the tower. In 2014 and 2015, operating expenditures include estimated accommodation charges of $14.341 million for Winnipeg Police Service (WPS) plus $500,000 in operating costs for the tower.

External debt and finance charges in 2013 consist of estimated principal and interest payments of $5.063 million on external debt. Beginning in 2014, upon occupancy of the Headquarters building by the WPS, the tax-supported budget impact of the external debt servicing costs is included in the $14.341 million accommodation charges (i.e. operating expenditures) to be incurred by the WPS.

Transfer to the General Capital Fund of $6.169 million in 2013 consists of $5.6 million to fund construction interest to be incurred on the redevelopment of the Canada Post Building + $0.569 million in short-term financing costs on the acquisition of the Office Tower.

Approval by the Chief Administrative Officer is required prior to any contract award.

** Supported by Class 2 estimate, see Appendix # 2.

Project Name: **Building Video Surveillance Systems**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 4,000 | - | 4,000 | 4,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 4,000 | | 4,000 | 4,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 4,000 | - | - | 4,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 4,000 | | | 4,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

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

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 400 | - | 400 | 400 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 400 | | 400 | 400 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 400 | - | - | 400 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 400 | | | 400 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

To upgrade technical equipment in the 911 backup facility.

Project Name: **Card Access**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 400 | - | - | - | - | 400 | 400 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 400 | | | | | 400 | 400 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 400 | - | - | - | - | - | 400 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 400 | | | | | | 400 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 400 | |
| **Total Direct Costs** | - | 400 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 400 | - |

With the new Police Headquarters building it would be prudent in having a new unified card access system for other remaining police facilities to make all access compatible system wide.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Mobile and Transient Users**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 250 | - | - | 250 | 250 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 250 | | | 250 | 250 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 250 | - | - | - | 250 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 250 | | | | 250 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

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

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 1,050 | - | 1,050 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 1,050 | | 1,050 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

To provide funding for phase 2 of the Intelligence Led Reporting. Phase 1 will begin in 2013.

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

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 1,158 | - | 1,158 | 1,158 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | 1,158 | | 1,158 | 1,158 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 1,158 | - | - | 1,158 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 1,158 | | | 1,158 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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. Our pilot project has identified a need for us to strongly define the integration spots with Niche (software) and move forward with a RFP, RFQ or sole source process for January 2014.

Project Name: **Evidence Archiving**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 2,220 | 2,220 | 2,220 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | | 2,220 | 2,220 | 2,220 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 2,220 | - | 2,220 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 2,220 | | 2,220 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The WPS is required to retain pieces of evidence, for many years. The sheer volume of evidence on old storage media (video cassettes, DVD's), which deteriorates over time, and takes a lot of space, needs to be transferred to a more current storage medium, and to be easily transferred to newer medium as the technology is introduced.

Project Name: **Tech Crimes and TSU Storage System**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 500 | | | | | | - | 500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Cash to Capital | 500 | | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 500 | | |
| **Total Direct Costs** | 500 | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 500 | - | - |

To replace storage for Technical Crimes and Technical Surveillance Unit (TSU) for move into new headquarters. This is under the assumption these two units will be merged. If not, costs will be higher as each unit will have to have individual servers. A workflow review will also be done to minimize costs.

** Supported by Class 3 estimate, see Appendix # 2.

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

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 662 | 662 | 662 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | | 662 | 662 | 662 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 662 | - | 662 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 662 | | 662 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

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

Department: Fire Paramedic Service
Project: 21110013yy

Capital Priority Rating: 3 - 3
Service: Fire and Rescue Response
OurWinnipeg: Emergency Preparedness, Response and Recovery

| AUTHORIZATION | Previous Budgets | 2013 Estimate | Forecast 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 4,900 | 858 | 3,000 | - | 4,000 | - | 7,858 | 12,758 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 4,900 | 858 | 3,000 | | 4,000 | | 7,858 | 12,758 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,900 | 858 | 3,000 | - | 4,000 | - | - | 12,758 |
| Financed by: | | | | | | | | |
| Cash to Capital | 4,900 | 858 | 3,000 | | 4,000 | | | 12,758 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 4,900 | 858 | 3,000 |
| **Total Direct Costs** | 4,900 | 858 | 3,000 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 4,900 | 858 | 3,000 |

This project represents the Winnipeg Fire Paramedic Service (WFPS) program for facility replacement, relocation and improvements.

To deal with an infrastructure deficit identified in 2008, the WFPS proposed a two phase approach, with Phase I identifying stations most in need of improvement. Phase I was initially approved in 2010 and included financing through CMHC loans. On November 14th, 2012, Council approved a first charge of $2,496,589 against the 2013 capital budget.

Forecasted expenditures as follows:

**2013**

First call for Phase 1 over expenditure - $2.5 million

Completion of Phase 1

Preliminary design and land acquisition for Station #19 (Whytewold Station)

**2014/2015**

Completion of Station #19 (Whytewold)

Preliminary design of Station #15 relocation (presently at 1083 Autumnwood Drive)

**2017**

Completion of Station #15 (Autumnwood)

* 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: 21000015yy

Capital Priority Rating: 3 - 3
Service: Fire and Rescue Response
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | Forecast 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 2,000 | 4,000 | - | - | 6,000 | 6,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 2,000 | 4,000 | | | 6,000 | 6,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | 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) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | 2,000 |
| **Total Direct Costs** | - | - | 2,000 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | 2,000 |

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 2014, and it is unknown what will replace the FRS across the Province after that. 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: **Addition and Renovation to Fire Paramedic Station #8-640 Kimberly Avenue**

| | | | |
|---|---|---|---|
| Department: | Fire Paramedic Service | Capital Priority Rating: | 3 - 3 |
| Project: | 2111000813 | Service: | Fire and Rescue Response |
| | | OurWinnipeg: | Emergency Preparedness, Response and Recovery |

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 3,160 | 3,160 | 3,160 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | | 3,160 | 3,160 | 3,160 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2017 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 3,160 | - | 3,160 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 3,160 | | 3,160 |

| OPERATING IMPACT | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

A 2005 Facilities Audit of the infrastructure of the Fire Paramedic Service stations identified some serious deficiencies in the facilities that fail to meet the Occupational Health and Safety needs of the department. Issues also identified were aging and out of date infrastructure due to buildings that were constructed prior to the amalgamations of the municipalities in 1973 as well as the Fire Ambulance amalgamation in 1999. This addition and renovation will resolve the Health and Safety concerns with the building as well as conform to the new business model by providing greater efficiencies and meeting the department's needs both now and in the foreseeable future.

***Project description:***

This project will entail a 3,000 square foot addition on the west side of Winnipeg Fire Paramedic Service Station #8 located at 640 Kimberly Avenue in East Kildonan. The addition will house new offices, new dorms, a new classroom, and turnout gear maintenance and storage area. The project will also entail upgrades to the existing kitchen facility and accommodate a fitness training area.

Project Name: **Asset Management Program**

Department: Fire Paramedic Service
Project: 21000013

Capital Priority Rating: 3 - 3
Service: Fire and Rescue Response
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 100 | - | - | - | - | - | - | 100 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 100 | | | | | | - | 100 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2017 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | - | - | - | - | - | 100 |
| Financed by: | | | | | | | | |
| Cash to Capital | 100 | | | | | | | 100 |

| OPERATING IMPACT | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 100 | | |
| **Total Direct Costs** | 100 | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 100 | - | - |

The Asset Management program in the Winnipeg Fire Paramedic Service is part of the city-wide initiative to improve how assets are managed. Specific initiatives will involve defining our asset level of service, asset business processes, and a risk and prioritization framework. This funding provides for the completion of Phase II B of the existing contract; which was awarded to CH2M Hill through Bid # 689-2009.

** Supported by Class 1 estimate, see Appendix # 2.

Back to Capital Projects Detail
Table of Contents

Project Name: **Computer Automation**

Department: Planning, Property and Development
Project: 6361000413

Capital Priority Rating: 3 - 3
Service: Property Asset Management
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 200 | 200 | - | 200 | 120 | 144 | 664 | 864 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | 200 | | 200 | 120 | 144 | 664 | 864 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 200 | - | 200 | 120 | 144 | - | 864 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | 200 | | 200 | 120 | 144 | | 864 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 200 | 200 | |
| **Total Direct Costs** | 200 | 200 | - |
| Less: Incremental Revenue/Recovery | 6 | 6 | - |
| **Net Cost/(Benefit)** | 194 | 194 | - |

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
Project: 6351300113

Capital Priority Rating: 1 - 2
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,724 | 381 | 400 | 400 | 443 | 405 | 406 | 2,054 | 2,435 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 381 | 400 | 400 | 443 | 405 | 406 | 2,054 | 2,435 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 381 | 400 | 400 | 443 | 405 | 406 | - | 2,435 |
| Financed by: | | | | | | | | |
| Cash to Capital | 381 | 400 | 400 | 443 | 405 | 406 | | 2,435 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 381 | 400 | 400 |
| **Total Direct Costs** | 381 | 400 | 400 |
| Less: Incremental Revenue/Recovery | 11 | 12 | 12 |
| **Net Cost/(Benefit)** | 370 | 388 | 388 |

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. The current top six priority parkways include North Winnipeg, South Winnipeg, Kildonan, Boni-Vital, North Assiniboine, and South Assiniboine, in no particular order. Greenway funds focus on major park and greenspace connections to the watershed and are aligned to complement active transportation initiatives.

**2013 Proposed Projects:**

Assiniboine Riverwalk - Lighting and upgrades

Boni-Vital Parkway- Winnipeg Canoe Club Connection

South Winnipeg Parkway- Churchill Drive Pathway Remediation

Yellow Ribbon Greenway and Plaza Development

Regional Park River Access Improvements

Project Name: **Cemeteries - Improvements**

Department: Planning, Property and Development
Project: 6322100113

Capital Priority Rating: 1 - 3
Service: Cemeteries
OurWinnipeg: Vitality

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,116 | 450 | 350 | 410 | 382 | 408 | 400 | 1,950 | 2,400 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 300 | 200 | 260 | 232 | 258 | 250 | 1,200 | 1,500 |
| Veterans Affairs Canada | | 150 | 150 | 150 | 150 | 150 | 150 | 750 | 900 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 450 | 350 | 410 | 382 | 408 | 400 | - | 2,400 |
| Financed by: | | | | | | | | |
| Cash to Capital | 300 | 200 | 260 | 232 | 258 | 250 | | 1,500 |
| Veterans Affairs Canada | 150 | 150 | 150 | 150 | 150 | 150 | | 900 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 300 | 200 | 260 |
| **Total Direct Costs** | 300 | 200 | 260 |
| Less: Incremental Revenue/Recovery | 11 | 8 | 9 |
| **Net Cost/(Benefit)** | 290 | 193 | 251 |

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 $60,000 in 2007, $120,000 in 2008, $200,000 in 2009, $150,000 in 2010, $190,000 in 2011 and there have been discussions of up to $150,000 per annum for further years to complete the project. Further funding is promised but not guaranteed for the next 10 years. The increase in 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 increase will permit a cashflow to support the additional funding; additional funds have been made available for the previous three funding years. The additional VAC funding requires increased financial support from the City to cover the cost of landscaping and installation costs, VAC fund 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 and in the past the investment in columbaria units has generated revenues in excess of 200% of the investment sum. The Transcona Cemetery Chapel building is decaying and becoming unsafe, it requires renovation and the inclusion of indoor columbaria to generate revenue in support of funding the building renovation. This project will also be partially funded by community donations but funding levels are unknown at this time.

Brookside Cemetery requires the establishment of new full body interment sections as existing interment sections are near capacity with only 12-18 months of product remaining for sale.

Project Name: **Downtown Enhancement Program**

Department: Planning, Property and Development
Project: 6351800113

Capital Priority Rating: 2 - 3
Service: City Beautification
OurWinnipeg: Creativity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,218 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | 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) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 |

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 liveability 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.

Priorities in 2013-2018 include but are not limited to: Old Market Square Phase III; Bonnycastle Park and Assiniboine River walk; Air Canada Park; Downtown and Exchange District Pedestrian Facilities Enhancement; East Exchange, Broadway.

Project Name: **Community Image and Neighbourhood Main Streets**

Department: Planning, Property and Development
Project: 6351241513

Capital Priority Rating: 2 - 3
Service: City Beautification
OurWinnipeg: Creativity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | 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) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 |

The City of Winnipeg reinvests in BIZ districts and their neighbourhoods. Business Improvement Zones 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 BIZ Zones, allowing "partnerships" to be explored and formed 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 find "matching dollars" from sources other than the City. This capital fund, through partnerships, stimulates 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. On December 13, 2011 Council approved the funding in the amount of $50,000 to be allocated from within the 2012 capital project "Community Image and Neighbourhood Main Streets" for the purchase of new easy to maintain planters on Main Street (between St. John's Avenue to Sutherland Avenue).

The City of Winnipeg, through the enhancement program, will work with the proponents by having a three phase approach including: Conceptual planning and design development in Phase 1; and a two-year Phase 2 and Phase 3 for tender and construction to allow complementary and partnership funding. The program aligns to have up to three partnered projects moving forward at any given time.

**2013 - 2018:**

St. James Village BIZ (Major Project Revitalization), West Broadway BIZ (Major Project Revitalization), Osborne Village BIZ (Major Project Revitalization), Norwood Grove BIZ (Concept Plan), BIZ Zones--Rapid Transit Stations connectivity strategy and Academy Road.

Osborne Village BIZ (Major Project Revitalization), Norwood Grove BIZ (Major Project Revitalization), Selkirk Ave BIZ LiveSafe Neighbourhood Project, Old St. Vital BIZ (Concept Plan Development), St. James Village BIZ (Major Project Revitalization)

Norwood Grove BIZ (Major Project Revitalization), Old St. Vital BIZ (Major Project Revitalization), Osborne South BIZ (Concept Plan).

* 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: 6351400713

Capital Priority Rating: 1 - 1
Service: City Beautification
OurWinnipeg: Creativity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,100 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | 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) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 |

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.

**Projects underway:**

- WITH ART Projects: Eritrean Community; Dorchester House; Resource Assistance for Youth; Unitarian Church Food Bank
- Artist-in-Residence in Community Gardens and Portage Planters
- Central Park
- Osborne Bridge Rehabilitation
- Library Literary Fence
- Cultural Capital Public Art Project

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

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

Department: Planning, Property and Development
Project: 6321100113

Capital Priority Rating: 3 - 2+2
Service: Property Asset Management
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 300 | - | 300 | 300 | 300 | 240 | 1,140 | 1,440 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 300 | | 300 | 300 | 300 | 240 | 1,140 | 1,440 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | - | 300 | 300 | 300 | 240 | - | 1,440 |
| Financed by: | | | | | | | | |
| Cash to Capital | 300 | | 300 | 300 | 300 | 240 | | 1,440 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 300 | | 300 |
| **Total Direct Costs** | 300 | - | 300 |
| Less: Incremental Revenue/Recovery | 9 | - | 9 |
| **Net Cost/(Benefit)** | 291 | - | 291 |

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
Project: 6351000213

Capital Priority Rating: 1 - 1
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,285 | 210 | 380 | 245 | 275 | 280 | 278 | 1,458 | 1,668 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 210 | 380 | 245 | 275 | 280 | 278 | 1,458 | 1,668 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 210 | 380 | 245 | 275 | 280 | 278 | - | 1,668 |
| Financed by: | | | | | | | | |
| Cash to Capital | 210 | 380 | 245 | 275 | 280 | 278 | | 1,668 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 210 | 380 | 245 |
| **Total Direct Costs** | 210 | 380 | 245 |
| Less: Incremental Revenue/Recovery | 6 | 11 | 7 |
| **Net Cost/(Benefit)** | 204 | 369 | 238 |

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.

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

Department: Planning, Property and Development
Project: 6351300213

Capital Priority Rating: 3 - 4
Service: Parks and Urban Forestry
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 7,800 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,000 | 6,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 670 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,000 | 5,670 |
| Riverbank Management Committee Fund (Fund 002) | | 330 | | | | | | - | 330 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | - | 6,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 670 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | | 5,670 |
| Riverbank Management Committee Fund (Fund 002) | 330 | | | | | | | 330 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 670 | 1,000 | 1,000 |
| **Total Direct Costs** | 670 | 1,000 | 1,000 |
| Less: Incremental Revenue/Recovery | 23 | 30 | 30 |
| **Net Cost/(Benefit)** | 647 | 970 | 970 |

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. Four priority sites have been stabilized to date, namely, Annabella Street to May Street (2003), St. John's Park (2006), Bunn's Creek (2006) and St. Vital Park (2008) at a total cost of approximately $4.0 million.

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

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. The listing, which is still applicable for 2013, is as follows:

| Site | Amount |
|---|---|
| Red River - Churchill Park (Montague to Cockburn) | 2,620,000 |
| Red River - King's Park (Outside Bend) | 2,770,000 |
| Red River - Guay Park | 1,110,000 |
| Red River - King's Park | 1,460,000 |
| Red River - Minnetonka at River Road | 430,000 |
| Red River - River to Rivergate | 1,780,000 |
| Red River - Canoe Club | 3,570,000 |
| Red River - St. Mary's at Perimeter | 3,610,000 |
| Red River - Crescent Park | 1,010,000 |
| Red River - St. Vital Cemetery | 2,100,000 |
| Red River - Glasgow to Brandon | 1,040,000 |
| Red River - Lyndale Drive | 1,650,000 |
| **Total:** | **23,150,000** |

Project Name: **Building Communities Initiative II**

Department: Planning, Property and Development
Project: 6351200013

Capital Priority Rating: 2 - 4
Service: Neighbourhood Revitalization
OurWinnipeg: Key Directions for Specific City Areas

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 13,500 * | 2,000 | 2,000 | 2,500 | - | - | - | 4,500 | 6,500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,000 | 1,000 | 1,250 | | | | 2,250 | 3,250 |
| Manitoba Winnipeg Infrastructure Fund (MWIF) | | 1,000 | 1,000 | 1,250 | | | | 2,250 | 3,250 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,000 | 2,000 | 2,500 | - | - | - | - | 6,500 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,000 | 1,000 | 1,250 | | | | | 3,250 |
| Manitoba Winnipeg Infrastructure Fund (MWIF) | 1,000 | 1,000 | 1,250 | | | | | 3,250 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,000 | 1,000 | 1,250 |
| **Total Direct Costs** | 1,000 | 1,000 | 1,250 |
| Less: Incremental Revenue/Recovery | 20 | 20 | 25 |
| **Net Cost/(Benefit)** | 980 | 980 | 1,225 |

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.

* 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
Project: 63512000xx

Capital Priority Rating: 2 - 4
Service: Neighbourhood Revitalization
OurWinnipeg: Key Directions for Specific City Areas

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 2,100 | 2,120 | 2,000 | 6,220 | 6,220 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | 1,050 | 1,060 | 1,000 | 3,110 | 3,110 |
| Manitoba Winnipeg Infrastructure Fund (MWIF) | | | | | 1,050 | 1,060 | 1,000 | 3,110 | 3,110 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 2,100 | 2,120 | 2,000 | - | 6,220 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 1,050 | 1,060 | 1,000 | | 3,110 |
| Manitoba Winnipeg Infrastructure Fund (MWIF) | | | | 1,050 | 1,060 | 1,000 | | 3,110 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 III" program is subject to a future agreement between the City of Winnipeg and Province of Manitoba.

Back to Capital Projects Detail
Table of Contents

Project Name: **General Building Renovation and Refurbishing**

Department: Municipal Accommodations
Project: 633100002yy

Capital Priority Rating: 3 - 3
Service: Property Asset Management
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | 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) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 |

This is an ongoing program to fund small corporate moves, minor interior renovations, and other miscellaneous projects for which no other separate financing is available. 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
Project: 63950001yy

Capital Priority Rating: 3 - 2+2
Service: Property Asset Management
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 2,550 | 1,830 | 2,100 | 1,239 | 2,251 | 1,994 | 9,414 | 11,964 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 2,550 | 1,830 | 2,100 | 1,239 | 2,251 | 1,994 | 9,414 | 11,964 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,550 | 1,830 | 2,100 | 1,239 | 2,251 | 1,994 | - | 11,964 |
| Financed by: | | | | | | | | |
| Cash to Capital | 2,550 | 1,830 | 2,100 | 1,239 | 2,251 | 1,994 | | 11,964 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 2,550 | 1,830 | 2,100 |
| **Total Direct Costs** | 2,550 | 1,830 | 2,100 |
| Less: Incremental Revenue/Recovery | 77 | 55 | 63 |
| **Net Cost/(Benefit)** | 2,474 | 1,775 | 2,037 |

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 2013 include the following:

Building envelope evaluation, structural repairs and lighting upgrade - 457 Main

Accessibility Improvements - 510 Main and various facilities

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

Project Name: **Fire / Life Safety / Regulatory Upgrades**

Department: Municipal Accommodations
Project: 63310004yy

Capital Priority Rating: 3 - 4
Service: Property Asset Management
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 525 | 1,014 | 725 | 625 | 710 | 720 | 3,794 | 4,319 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 525 | 1,014 | 725 | 625 | 710 | 720 | 3,794 | 4,319 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 525 | 1,014 | 725 | 625 | 710 | 720 | - | 4,319 |
| Financed by: | | | | | | | | |
| Cash to Capital | 525 | 1,014 | 725 | 625 | 710 | 720 | | 4,319 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 525 | 1,014 | 725 |
| **Total Direct Costs** | 525 | 1,014 | 725 |
| Less: Incremental Revenue/Recovery | 16 | 30 | 22 |
| **Net Cost/(Benefit)** | 509 | 984 | 703 |

This project 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 facilities and accommodation facilities.

Projects for 2013 include the following:

Fire alarm/gas detection upgrades - various facilities

Asbestos abatement - various facilities

Electrical Safety Audit - various facilities

Safety Training and Safety Program Development

* 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
Project: 63310006yy

Capital Priority Rating: 3 - 4
Service: Property Asset Management
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 150 | 200 | 100 | 100 | 150 | 140 | 690 | 840 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 150 | 200 | 100 | 100 | 150 | 140 | 690 | 840 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | 200 | 100 | 100 | 150 | 140 | - | 840 |
| Financed by: | | | | | | | | |
| Cash to Capital | 150 | 200 | 100 | 100 | 150 | 140 | | 840 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 150 | 200 | 100 |
| **Total Direct Costs** | 150 | 200 | 100 |
| Less: Incremental Revenue/Recovery | 5 | 6 | 3 |
| **Net Cost/(Benefit)** | 146 | 194 | 97 |

This project 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.

* 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
Project: 63310023yy

Capital Priority Rating: 3 - 4
Service: Property Asset Management
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | - | 200 | 200 | 180 | 193 | 773 | 773 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 200 | 200 | 180 | 193 | 773 | 773 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 200 | 200 | 180 | 193 | - | 773 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 200 | 200 | 180 | 193 | | 773 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 |

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
Project: 63310007yy

Capital Priority Rating: 3 - 2
Service: Heritage Conservation
OurWinnipeg: Heritage

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 550 | 200 | 200 | 200 | 200 | 270 | 1,070 | 1,620 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 550 | 200 | 200 | 200 | 200 | 270 | 1,070 | 1,620 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 550 | 200 | 200 | 200 | 200 | 270 | - | 1,620 |
| Financed by: | | | | | | | | |
| Cash to Capital | 550 | 200 | 200 | 200 | 200 | 270 | | 1,620 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 550 | 200 | 200 |
| **Total Direct Costs** | 550 | 200 | 200 |
| Less: Incremental Revenue/Recovery | 17 | 6 | 6 |
| **Net Cost/(Benefit)** | 534 | 194 | 194 |

The City of Winnipeg has a substantial inventory of historic buildings that are steadily deteriorating. This program will provide for structural planning and remediation of further deterioration. Major structural repairs may be required.

* 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
Project: 63xxxxxxyy

Capital Priority Rating: 3 - 4+2
Service: Property Asset Management
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 100 | - | 200 | - | 200 | 167 | 567 | 667 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 100 | | 200 | | 200 | 167 | 567 | 667 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | 200 | - | 200 | 167 | - | 667 |
| Financed by: | | | | | | | | |
| Cash to Capital | 100 | | 200 | | 200 | 167 | | 667 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 100 | | 200 |
| **Total Direct Costs** | 100 | - | 200 |
| Less: Incremental Revenue/Recovery | 3 | | 6 |
| **Net Cost/(Benefit)** | 97 | - | 194 |

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
Project: 63310026yy

Capital Priority Rating: 3 - 4+2
Service: Property Asset Management
OurWinnipeg: Collaborate to Make Safe Communities

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 825 | 225 | 225 | 225 | 140 | 188 | 201 | 979 | 1,204 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 225 | 225 | 225 | 140 | 188 | 201 | 979 | 1,204 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 225 | 225 | 225 | 140 | 188 | 201 | - | 1,204 |
| Financed by: | | | | | | | | |
| Cash to Capital | 225 | 225 | 225 | 140 | 188 | 201 | | 1,204 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 225 | 225 | 225 |
| **Total Direct Costs** | 225 | 225 | 225 |
| Less: Incremental Revenue/Recovery | 7 | 7 | 7 |
| **Net Cost/(Benefit)** | 218 | 218 | 218 |

Security/Building Automation systems include: HVAC controls, security systems and building access and monitoring systems.

Security has been noted as an ongoing 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.

Project Name: **Community Centres - Refurbishing and Improvements**

Department: Municipal Accommodations
Project: 63900001yy

Capital Priority Rating: 1 - 4
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 500 | 700 | 700 | 700 | 620 | 644 | 3,364 | 3,864 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 500 | 700 | 700 | 700 | 620 | 644 | 3,364 | 3,864 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 700 | 700 | 700 | 620 | 644 | - | 3,864 |
| Financed by: | | | | | | | | |
| Cash to Capital | 500 | 700 | 700 | 700 | 620 | 644 | | 3,864 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 500 | 700 | 700 |
| **Total Direct Costs** | 500 | 700 | 700 |
| Less: Incremental Revenue/Recovery | 15 | 21 | 21 |
| **Net Cost/(Benefit)** | 485 | 679 | 679 |

This program is for refurbishment and improvements of Community Centres (CC).

Projects for 2013 include the following:

Roofing / building envelope / structural / life safety upgrades: Central Corydon (Sir John Franklin site), Archwood, Westdale and various facilities

* 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: 63910001yy

Capital Priority Rating: 1 - 4
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 525 | 525 | 525 | 525 | 525 | 525 | 2,625 | 3,150 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 525 | 525 | 525 | 525 | 525 | 525 | 2,625 | 3,150 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 525 | 525 | 525 | 525 | 525 | 525 | - | 3,150 |
| Financed by: | | | | | | | | |
| Cash to Capital | 525 | 525 | 525 | 525 | 525 | 525 | | 3,150 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 525 | 525 | 525 |
| **Total Direct Costs** | 525 | 525 | 525 |
| Less: Incremental Revenue/Recovery | 16 | 16 | 16 |
| **Net Cost/(Benefit)** | 509 | 509 | 509 |

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 2013 include the following:

Rink board refurbishment / replacement - Billy Mosienko and St. James Civic Centre

Fire door replacement - various arenas

Glue Lam beam refurbishment - various arenas

* 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
Project: 63920001yy

Capital Priority Rating: 1 - 4
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 2,230 | 2,530 | 2,530 | 2,530 | 2,530 | 2,470 | 12,590 | 14,820 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 2,230 | 2,530 | 2,530 | 2,530 | 2,530 | 2,470 | 12,590 | 14,820 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,230 | 2,530 | 2,530 | 2,530 | 2,530 | 2,470 | - | 14,820 |
| Financed by: | | | | | | | | |
| Cash to Capital | 2,230 | 2,530 | 2,530 | 2,530 | 2,530 | 2,470 | | 14,820 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 2,230 | 2,530 | 2,530 |
| **Total Direct Costs** | 2,230 | 2,530 | 2,530 |
| Less: Incremental Revenue/Recovery | 67 | 76 | 76 |
| **Net Cost/(Benefit)** | 2,163 | 2,454 | 2,454 |

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 2013 include the following:

Planned shutdown for maintenance and refurbishment - Cindy Klassen Recreation Centre, Bonivital Pool, Margaret Grant Pool, North Centennial Pool

Parking lot study/design - Pan Am Pool

Pool surface lighting levels study/design - all indoor pool facilities

Parking lot upgrade study/design - Seven Oaks Pool

Roof replacement - Pan Am Pool

Pan Am Pool - safety railing refurbishment in catwalk

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

Project Name: **Outdoor Aquatic Facilities**

Department: Municipal Accommodations
Project: 63930001yy

Capital Priority Rating: 1 - 4
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 350 | 330 | 330 | 350 | 342 | 340 | 1,692 | 2,042 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 350 | 330 | 330 | 350 | 342 | 340 | 1,692 | 2,042 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 350 | 330 | 330 | 350 | 342 | 340 | - | 2,042 |
| Financed by: | | | | | | | | |
| Cash to Capital | 350 | 330 | 330 | 350 | 342 | 340 | | 2,042 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 350 | 330 | 330 |
| **Total Direct Costs** | 350 | 330 | 330 |
| Less: Incremental Revenue/Recovery | 11 | 10 | 10 |
| **Net Cost/(Benefit)** | 340 | 320 | 320 |

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 2013 include the following:

Wading pool plumbing upgrades, building refurbishment, concrete work

Outdoor pool tank refurbishment Westdale pool, filter replacement

* 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
Project: 63940001yy

Capital Priority Rating: 1 - 4
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 500 | 200 | 200 | 200 | 200 | 260 | 1,060 | 1,560 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 500 | 200 | 200 | 200 | 200 | 260 | 1,060 | 1,560 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 200 | 200 | 200 | 200 | 260 | - | 1,560 |
| Financed by: | | | | | | | | |
| Cash to Capital | 500 | 200 | 200 | 200 | 200 | 260 | | 1,560 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 500 | 200 | 200 |
| **Total Direct Costs** | 500 | 200 | 200 |
| Less: Incremental Revenue/Recovery | 15 | 6 | 6 |
| **Net Cost/(Benefit)** | 485 | 194 | 194 |

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 2013 include the following:

625 Osborne - continued building system refurbishment

2055 Ness building system upgrade - design

* 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
Project: 63900010yy

Capital Priority Rating: 3 - 4
Service: Property Asset Management
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 100 | 200 | 200 | 162 | 152 | 163 | 877 | 977 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 100 | 200 | 200 | 162 | 152 | 163 | 877 | 977 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | 200 | 200 | 162 | 152 | 163 | - | 977 |
| Financed by: | | | | | | | | |
| Cash to Capital | 100 | 200 | 200 | 162 | 152 | 163 | | 977 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 100 | 200 | 200 |
| **Total Direct Costs** | 100 | 200 | 200 |
| Less: Incremental Revenue/Recovery | 3 | 6 | 6 |
| **Net Cost/(Benefit)** | 97 | 194 | 194 |

The City Auditor presented the Public Works Asset Management Audit - Part 2 Facilities Maintenance in June 2006. The Audit 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 ongoing program of building assessment/inspection to ensure building condition data is current, and ongoing improvements to the division's work management program.

* 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
Project: 63900020yy

Capital Priority Rating: 1 - 4
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | 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) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 |

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 replace 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.

* 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
Project: 639000XXyy

Capital Priority Rating: 2 - 3
Service: Neighbourhood Revitalization
OurWinnipeg: Opportunity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | 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) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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)** | 340 | 340 | 340 |

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: **Cooling Plant - Public Safety Building - 151 Princess Street**

Department: Municipal Accommodations
Project: 639000XXyy

Capital Priority Rating: 2 - 3
Service: Property Asset Management
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,800 | - | - | - | - | - | - | 1,800 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,800 | | | | | | - | 1,800 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,800 | - | - | - | - | - | - | 1,800 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,800 | | | | | | | 1,800 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,800 | | |
| **Total Direct Costs** | 1,800 | - | - |
| Less: Incremental Revenue/Recovery | 54 | | |
| **Net Cost/(Benefit)** | 1,746 | - | - |

This project is to address the existing system, which is not expected to be capable of cooling the Public Safety Building (PSB) for the 2013 cooling season. This is necessary as the impending move of the Winnipeg Police Service (WPS) from the PSB to their new headquarters at 266 Graham Avenue will be "phased" beginning in early 2014 and occurring over a period of up to one year.

Since the WPS will occupy the PSB for approximately another two cooling seasons, the new cooling plant, or chiller, must be designed and sized to accommodate short-term and the long-term use of the PSB. A loss of mechanical cooling would have an adverse impact on Winnipeg Police Service, the Public Service and members of the public.

Project Name: **Recreation and Leisure Facilities**

Back to Capital Projects Summary

Department: Municipal Accommodations
Project: 63940001yy

Capital Priority Rating: 1 - 4
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 7,000 | - | - | - | - | - | - | 7,000 |
| Financed by: | | | | | | | | | |
| Transfer from Prior Year Authorization | | 7,000 | | | | | | - | 7,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 7,000 | - | - | - | - | - | - | 7,000 |
| Financed by: | | | | | | | | |
| Transfer from Prior Year Authorization | 7,000 | | | | | | | 7,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | 70 | | |
| **Net Cost/(Benefit)** | (70) | - | - |

On June 29, 2005, Council approved $43 million for recreation and leisure facilities. The City's new Recreation and Leisure Facilities Policy was adopted on May 18, 2005.

On January 23, 2008, Council approved that up to $7.0 million be contributed toward the development of a private sector/publicly accessible destination Waterpark facility within the City of Winnipeg.

This program represents the re-budgeting of this $7 million with $3.2 million in funds going toward the replacement of East Elmwood Community Centre, which was destroyed by fire in early 2011, to be combined with additional funding of $1.8 million (i.e. Insurance proceeds of $900,000 and anticipated Provincial Government Funding of $900,000) included in the Community Services Department's 2013 capital submission for an overall $5 million East Elmwood Community Centre capital project.

The remaining amount of $3.8 million in this program is to be allocated to the remaining 14 wards ($271,428 each) for recreation and leisure facilities. Capital funds are to support the revitalization and stabilization of mature residential neighbourhoods through strategic capital investment projects in City of Winnipeg amenities (e.g. upgrading community facilities and parks; enhancing public safety; and strengthening neighbourhood commercial areas).

Eligible projects may include but not be limited to:

- Neighbourhood and regional parks

- Playgrounds - play structures, site amenities, accessibility improvements, landscaping)

- Athletic fields (turf and drainage improvements, field redevelopment)

- Skateboarding parks / spots

- Wading pool upgrades and conversion to spray pads

- Support for neighbourhood commercial areas (“Streetscaping” e.g. banners, benches, lighting, kiosks, and murals)

- Neighbourhood safety lighting and Crime Prevention Through Environmental Design (CPTED) initiatives

- Pathways, cycling routes, and community linkages and connections

- Improvements to community facilities and amenities – e.g. renovations to support intergenerational multi-use facilities within their existing square footage

***Recreation and Leisure Facilities (continued):***

The program will be delivered in each Ward of the City, with projects selected in consultation with area Councillors and implemented in consultation with project stakeholders where applicable.

Use of these funds ($7 million) requires the approval of the Manitoba-Winnipeg Recreation Leisure Infrastructure Program Management Committee.

Project Name: **Transcona Centennial Pool**

Back to Capital Projects Summary

Department: Municipal Accommodations
Project: 639300xx13

Capital Priority Rating: 2 - 3
Service: Recreation
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 5,500 | - | - | - | - | - | - | 5,500 |
| Financed by: | | | | | | | | | |
| Land Dedication Reserve Fund | | 2,000 | | | | | | - | 2,000 |
| Sponsorship | | 500 | | | | | | - | 500 |
| External Debt | | 3,000 | | | | | | - | 3,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,500 | 2,000 | - | - | - | - | - | 5,500 |
| Financed by: | | | | | | | | |
| Land Dedication Reserve Fund | 2,000 | | | | | | | 2,000 |
| Sponsorship | 500 | | | | | | | 500 |
| External Debt | 1,000 | 2,000 | | | | | | 3,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | 36 | 147 | 224 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 36 | 147 | 224 |
| Less: Incremental Revenue/Recovery | 75 | 20 | |
| **Net Cost/(Benefit)** | (39) | 127 | 224 |

The funding through the capital program is to support and expand intergeneration use of the outdoor aquatic facility and is proposed to include: expanded splash pad and slides; beach entry to the pool; improved mechanical system upgrades; site works and landscaping; as well as improvements to the change rooms and other components of the current building (mechanical, electrical, windows, etc.).

Funding from the Land Dedication Reserve Fund of $2.0 million is subject to the acceptance by the City of a business and funding plan from a local community group to build a new arena in the community at a complementary location. A new facility would then allow: the closure of the Roland Michener Arena; the current area lands and surface parking lots to be declared surplus, rezoned and sold; and proceeds of the sale to be directed to this capital project.

Sponsorship funding of $0.5 million is subject to finalization of a sponsorship agreement.

Project Name: **East Yard Complex Development**

Department: Municipal Accommodations
Project: 63xx00xx12

Capital Priority Rating: 3 - 4
Service: Property Asset Management
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 49,520 | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Interim Financing from Land Operating Reserve (Repayment) | | | (3,321) | | (450) | | | (3,771) | (3,771) |
| Land Operating Reserve | | | 3,321 | | 450 | | | 3,771 | 3,771 |
| Transfer from Prior Years' Surplus | | | | | | | | - | - |
| External Debt | | | | | | | | - | - |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | |
| Interim Financing from Land Operating Reserve (Repayment) | | (3,321) | | (450) | | | | (3,771) |
| Land Operating Reserve | | 3,321 | | 450 | | | | 3,771 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The Public Works East Yard Complex will combine 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: **Corporate Records Centre**

Department: City Clerks
Project: 0400000912

Capital Priority Rating: 5 - 4
Service: Council Services
OurWinnipeg: Heritage

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 150 | - | - | 150 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | 150 | | | 150 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 centers. 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.

Ongoing 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: 0400000511

Capital Priority Rating: 5 - 4
Service: Council Services
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 150 | 200 | - | - | 200 | 200 | 600 | 750 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 150 | 200 | | | 200 | 200 | 600 | 750 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | 200 | - | - | 200 | 200 | - | 750 |
| Financed by: | | | | | | | | |
| Cash to Capital | 150 | 200 | | | 200 | 200 | | 750 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 150 | 200 | |
| **Total Direct Costs** | 150 | 200 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 150 | 200 | - |

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.

** Supported by Class 1 estimate, see Appendix # 2.

Project Name: **City Archives**

Department: City Clerks
Project: 0400000111

Capital Priority Rating: 5 - 4
Service: Council Services
OurWinnipeg: Heritage

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 ** | 2015 ** | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | 500 | 500 | 500 | 500 | - | - | 1,500 | 2,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 500 | 500 | 500 | 500 | | | 1,500 | 2,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 500 | 500 | 500 | - | - | - | 2,000 |
| Financed by: | | | | | | | | |
| Cash to Capital | 500 | 500 | 500 | 500 | | | | 2,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 | | | |
| **Net Cost/(Benefit)** | 500 | 500 | 500 |

The City Archives, located at 380 William Avenue, was opened as the City's first library in the early 20th century. The building currently serves as a repository for storage of the City's historical information and has done so since 1977. The structure was designated a heritage building in 1984. Protected elements include the front rooms on the first and second floors, the building exterior and the iron fence surrounding the property.

The building until recently acted as the City's record centre. Deflection of second floor beams and a potential for collapse have resulted in much of the records storage / weight being removed from the second floor of the building and transferred to 311 Ross. A consultant's report has identified several issues with the building including the need to address the load bearing capacity of the second floor, ensuring appropriate repairs to the Tyndall Stone facade, ensure adequate waterproofing for the roof and foundation, as well repair / replacement of windows. Also identified are a lack of fire suppression systems, lack of wheelchair ramps in the building and improper climate controls to ensure continued protection of the archival records. These issues will be addressed over a series of years based on priority with the final year of funding being 2016.

Work to date has been very successful in helping to preserve the building for future generations. Accomplishments to date include work on the historic wrought iron fence, wheelchair ramps and repairs to the exterior of the building. 2013 steps include major repairs to the flat roof of the building. Future repairs to the interior of the building will require relocation of the staff and City Archives contents for a period of up to one year.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **DMIS Upgrades / Replacement**

Department: City Clerks
Project: 0400001518

Capital Priority Rating: 5 - 4
Service: Council Services
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 250 | 250 | 250 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | | | | 250 | 250 | 250 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 250 | - | 250 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | | | 250 | | 250 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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: **PeopleSoft**

Department: Corporate Support Services
Project: 3455000013

Capital Priority Rating: 2 - 3
Service: Organizational Support Services
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,500 | 580 | 395 | - | - | 2,500 | 1,000 | 3,895 | 4,475 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 580 | 395 | | | 2,500 | 1,000 | 3,895 | 4,475 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 580 | 395 | - | - | 2,500 | 1,000 | - | 4,475 |
| Financed by: | | | | | | | | |
| Cash to Capital | 580 | 395 | | | 2,500 | 1,000 | | 4,475 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 580 | 395 | |
| **Total Direct Costs** | 580 | 395 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 580 | 395 | - |

The City is committed to renewing its PeopleSoft investment to take advantage of new functionality and remain current with supplier's support.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Communications Network Infrastructure**

Department: Corporate Support Services
Capital Priority Rating: 2 - 4
Project: 3401XXXX13
Service: Organizational Support Services
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 245 | 500 | 275 | 375 | 525 | 230 | 1,905 | 2,150 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 245 | 500 | 275 | 375 | 525 | 230 | 1,905 | 2,150 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 245 | 500 | 275 | 375 | 525 | 230 | - | 2,150 |
| Financed by: | | | | | | | | |
| Cash to Capital | 245 | 500 | 275 | 375 | 525 | 230 | | 2,150 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 245 | 500 | 275 |
| **Total Direct Costs** | 245 | 500 | 275 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 245 | 500 | 275 |

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. Information could be processed and stored on lower cost computers in or for departments and made accessible city-wide through the network infrastructure. The infrastructure would extend the availability of applications such as e-mail and internet to all departments.

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

Project Name: **Enterprise Computing Initiatives**

Department: Corporate Support Services
Project: 3402XXXX13

Capital Priority Rating: 3 - 4
Service: Organizational Support Services
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 265 | 717 | 515 | 585 | 844 | 801 | 3,462 | 3,727 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 265 | 717 | 515 | 585 | 844 | 801 | 3,462 | 3,727 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 265 | 717 | 515 | 585 | 844 | 801 | - | 3,727 |
| Financed by: | | | | | | | | |
| Cash to Capital | 265 | 717 | 515 | 585 | 844 | 801 | | 3,727 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 265 | 717 | 515 |
| **Total Direct Costs** | 265 | 717 | 515 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 265 | 717 | 515 |

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).

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

Project Name: **E-Government**

Department: Corporate Support Services
Capital Priority Rating: 2 - 3
Project: 3453XXXX13
Service: Organizational Support Services
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 229 | 150 | 300 | 200 | 250 | 200 | 1,100 | 1,329 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 229 | 150 | 300 | 200 | 250 | 200 | 1,100 | 1,329 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 229 | 150 | 300 | 200 | 250 | 200 | - | 1,329 |
| Financed by: | | | | | | | | |
| Cash to Capital | 229 | 150 | 300 | 200 | 250 | 200 | - | 1,329 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 229 | 150 | 300 |
| **Total Direct Costs** | 229 | 150 | 300 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 229 | 150 | 300 |

E-Government supports projects that use information technology to support the provision of e-government services. It covers a broad spectrum of initiatives that typically fall into two main categories: 1. Providing better service to citizens (i.e. 24 X 7, self-service options); and 2. Providing services more efficiently and effectively, translates into productivity gains and reduced costs. These funds will be used to provide applications to improve the City's internet site and to provide better and new electronic services to citizens. In addition, the funds will be used to purchase software to support the development of citizen self-service applications on the web. This software includes content management software, portal software, and single sign-on and authentication software.

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

Project Name: **Data Warehouse / Business Intelligence**

Department: Corporate Support Services
Project: 3456XXXX13

Capital Priority Rating: 2 - 3
Service: Organizational Support Services
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 169 | 153 | 218 | 203 | 149 | 150 | 873 | 1,042 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 169 | 153 | 218 | 203 | 149 | 150 | 873 | 1,042 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 169 | 153 | 218 | 203 | 149 | 150 | - | 1,042 |
| Financed by: | | | | | | | | |
| Cash to Capital | 169 | 153 | 218 | 203 | 149 | 150 | | 1,042 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 169 | 153 | 218 |
| **Total Direct Costs** | 169 | 153 | 218 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 169 | 153 | 218 |

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
Project: 3457000013

Capital Priority Rating: 2 - 2
Service: Organizational Support Services
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 300 | 646 | 729 | 335 | 402 | 450 | 2,562 | 2,862 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 300 | 646 | 729 | 335 | 402 | 450 | 2,562 | 2,862 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | 646 | 729 | 335 | 402 | 450 | - | 2,862 |
| Financed by: | | | | | | | | |
| Cash to Capital | 300 | 646 | 729 | 335 | 402 | 450 | | 2,862 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 300 | 646 | 729 |
| **Total Direct Costs** | 300 | 646 | 729 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 300 | 646 | 729 |

The City is committed to renewing its Call Center application investment every five years to take advantage of new functionality and remain current with suppliers' support. The City is expected to significantly change the customer relationship management and telephone software applications in 2014 - 2015.

Project Name: **PSB Fibre Relocate**

Department: Corporate Support Services
Project: 34461200013

Capital Priority Rating: 2 - 2
Service: Organizational Support Services
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 300 | - | - | - | - | - | - | 300 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 300 | | | | | | - | 300 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | - | - | - | - | - | - | 300 |
| Financed by: | | | | | | | | |
| Cash to Capital | 300 | | | | | | | 300 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 | - | - |

$300,000 for Public Safety Building (PSB) fibre network relocation is necessitated by the impending move of Winnipeg Police Service (WPS) away from the PSB, a key distribution site in the City's network. Two of the City's major fibre networks currently run through the PSB and new paths for those fibres must be constructed to route them away from the building to maintain network ring redundancy. This needs to be done to avoid a very high risk to network availability for a large part of the City's network for many departments including WPS, Winnipeg Fire Paramedic Service and City Council and Administration at 510 Main Street. Additionally, the new police headquarters at 266 Graham must be accounted for on the network.

The two fibre networks are:

1. The fibre campus network servicing 510 Main Administration Building, 510 Main Council Building, 185 King Mandarin Building, and 180 King Dynasty Building

2. The Teraspan network in southwest Winnipeg connecting 54 buildings - including connecting the future police headquarters at 266 Graham.

The timing of the capital request for 2013 is to coincide with WPS' move in 2014. The capital was not part of WPB's business case and project budget, as these two requirements are not solely related to WPS. While the PSB move is the catalyst, this capital budget is being requested separately by Corporate Support Services Connectivity Division as the requirement is for the common good of many City departments.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Teraspan Fibre Ring Renewal**

Department: Corporate Support Services
Capital Priority Rating: 2 - 2
Project: 34622XXX14
Service: Organizational Support Services
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 ** | 2015 ** | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 400 | 800 | - | - | - | 1,200 | 1,200 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 400 | 800 | | | | 1,200 | 1,200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 400 | 800 | - | - | - | - | 1,200 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 400 | 800 | | | | | 1,200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 400 | 800 |
| **Total Direct Costs** | - | 400 | 800 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 400 | 800 |

The City currently owns and maintains a 55 km. fibre optics plant, which provides ultra-highspeed network connectivity to 55 buildings throughout Winnipeg. The fibre ring also provides redundant connections between our data centers (510 Main and 700 Assiniboine Park Drive); as a result, all departments including public safety entities are stakeholders in this very important service.

Implemented in 2008, this fibre ring is maintained under a contract with TeraSpan Networks. TeraSpan owns the conduit that the fibre runs through, while the City owns the 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 2015 the contract with TeraSpan will come to an end. Prior to this point an architectural decision must be made, either to maintain the current fibre ring under a renewed contract, or retire it in favour of other more traditional options such as leased services or traditional-depth fibre. No decision is without cost and risk:

1) TeraSpan owns the conduit but has had no further opportunity for business in Winnipeg; they may raise maintenance rates or choose to end their presence altogether in Winnipeg, in which case the cost to buy out their investment may be an option. Further, City departments such as Public Works may mandate additional measures to distance the fibre plant from their surface crews;

2) Leased services from providers such as Bell, Shaw and MTS carry heavy upfront and recurring operational costs, all of which drove the City to consider a fibre plant in the first place;

3) Traditional fibre that is buried several feet below ground is significantly more expensive and cannot be considered without a major upfront investment; even then, not all current buildings would be viable to connect, requiring some amount of TeraSpan and/or leased services as well.

Due to this uncertainty, capital is being requested in 2014 and 2015 that would contribute to any combination of the above solutions, in whole or in part. As options become clearer in 2012 a formal plan will ensure this critical internal service is maintained beyond the end of the current contract.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Assessment Automation**

Department: Assessment and Taxation
Project: 1400000115

Capital Priority Rating: 3 - 3
Service: Assessment, Taxation and Corporate
OurWinnipeg: Prosperity

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | - | 750 | 500 | 350 | 320 | 1,920 | 1,920 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 750 | 500 | 350 | 320 | 1,920 | 1,920 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 750 | 500 | 350 | 320 | - | 1,920 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 750 | 500 | 350 | 320 | | 1,920 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | 750 |
| **Total Direct Costs** | - | - | 750 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | 750 |

The Assessment Automation project generally includes initiatives focused on improving the efficiency and the effectiveness of the assessment and taxation functions through the appropriate use of automation. Funding in 2012 is to complete the NeoCAMA project for the upgrade of our core valuation system (CAMA or Computer-Aided Mass Appraisal). The CAMA system is used to capture and maintain detailed sales, financial, and physical characteristic information about all properties and businesses in the City of Winnipeg. The information is used to calculate fair and equitable assessed values for all properties and businesses. These assessed values are then used to calculate the yearly municipal, school and business taxes, as well as tax adjustments throughout the year.

The funding in 2015 to 2018 is for further system upgrades and rehabilitation to the Manta system and other key assessment and taxation systems including electronic document and record management, 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 Instalment Payment Plan, Local Improvements, Tax Sale, and customer service. The Manta program is now thirteen years old in 2012. 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: **PeopleSoft Accounts Receivable and Billing**

Department: Corporate Finance
Project: 1200001513

Capital Priority Rating: 3 - 2
Service: Organizational Support Services
OurWinnipeg: Sustainability

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 550 | 250 | - | - | - | - | 250 | 800 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 550 | 250 | | | | | 250 | 800 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 550 | 250 | - | - | - | - | - | 800 |
| Financed by: | | | | | | | | |
| Cash to Capital | 550 | 250 | | | | | | 800 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 25 | 32 | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 550 | 250 | |
| **Total Direct Costs** | 575 | 282 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 575 | 282 | - |

To continue leveraging the investment made in PeopleSoft by implementing, configuring and utilizing the PeopleSoft Enterprise Accounts Receivable and Billing Modules. This will result in standardized and consistent processing of accounts receivable across the City, elimination of stand alone departmental accounts receivable systems, better manage customer account balances, better manage cash flow, minimize bad debt, provide city wide reporting and increase efficiency in transaction processing.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Innovative Transit Program**

Department: Transit
Project: 423000xxyy

Capital Priority Rating: 3 - 2
Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 800 | 800 | 800 | 1,000 | 1,000 | 1,000 | 4,600 | 5,400 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 800 | 800 | 800 | 1,000 | 1,000 | 1,000 | 4,600 | 5,400 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | 800 | 800 | 1,000 | 1,000 | 1,000 | - | 5,400 |
| Financed by: | | | | | | | | |
| Cash to Capital | 800 | 800 | 800 | 1,000 | 1,000 | 1,000 | | 5,400 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 106 | 212 |
| **Total Direct Costs** | - | 106 | 212 |
| Less: Incremental Revenue/Recovery | 24 | 24 | 24 |
| **Net Cost/(Benefit)** | (24) | 82 | 188 |

The Innovative Transit Program provides for various projects which are not normally funded through the operating budget or other areas of the capital budget. Various projects such as transit terminals at shopping centres, passenger shelters, improved waiting amenities at major bus stops, park and ride lots, bus priority measures, handi-transit trip confirmation system, automated transit scheduling system, and the Winnipeg Transit internet site provide an enduring benefit to the department and have been funded under this program.

* 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: 4210000313

Capital Priority Rating: 3 - 2
Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 22,682 | 9,936 | 12,415 | 5,495 | 4,506 | 4,523 | 4,171 | 31,110 | 41,046 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 11,283 | 5,495 | 4,506 | 4,523 | 4,171 | 29,978 | 29,978 |
| Federal Gas Tax | | 1,349 | 1,132 | | | | | 1,132 | 2,481 |
| External Debt | | 8,587 | | | | | | | 8,587 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 10,900 | 15,793 | 5,159 | 4,523 | 4,171 | - | 41,046 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 332 | 15,793 | 5,159 | 4,523 | 4,171 | | 29,978 |
| Federal Gas Tax | 500 | 1,981 | | | | | | 2,481 |
| External Debt | | 8,587 | | | | | | 8,587 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | 719 |
| Transfer to General Capital Fund | | | 28 |
| **Total Direct Costs** | - | - | 747 |
| Less: Incremental Revenue/Recovery | | 178 | 320 |
| **Net Cost/(Benefit)** | - | (178) | 427 |

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 March 21, 2012 Council approved a first charge of up to $2,000,000 in 2012 or prior to the adoption of the 2013 Capital Budget on the 2013 Transit Building Expansion and Upgrading Project to allow for an increase in scope to the Transit Building Replacement/ Refurbishment Project.

Estimated useful life - dependent on the specific project.

** Supported by Class 3 estimate, see Appendix # 2.

Back to Capital Projects Summary

Project Name: **Transit Buses**

Department: Transit
Project: 421000xxyy

Capital Priority Rating: 3 - 4
Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 14,799 | 16,232 | 17,109 | 22,515 | 23,662 | 24,667 | 104,185 | 118,984 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 451 | 4,329 | 4,312 | 5,317 | 14,409 | 14,409 |
| Transit Bus Replacement Reserve | | 6,428 | 7,644 | 6,938 | 8,466 | 9,630 | 9,630 | 42,308 | 48,736 |
| Provincial Building Manitoba Fund | | 3,840 | 3,840 | 3,840 | 3,840 | 3,840 | 3,840 | 19,200 | 23,040 |
| Federal Gas Tax | | 4,531 | 4,748 | 5,880 | 5,880 | 5,880 | 5,880 | 28,268 | 32,799 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 14,799 | 16,232 | 17,109 | 22,515 | 23,662 | 24,667 | 118,984 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | | 451 | 4,329 | 4,312 | 5,317 | 14,409 |
| Transit Bus Replacement Reserve | | 6,428 | 7,644 | 6,938 | 8,466 | 9,630 | 9,630 | 48,736 |
| Provincial Building Manitoba Fund | | 3,840 | 3,840 | 3,840 | 3,840 | 3,840 | 3,840 | 23,040 |
| Federal Gas Tax | | 4,531 | 4,748 | 5,880 | 5,880 | 5,880 | 5,880 | 32,799 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | 100 | 100 |
| **Net Cost/(Benefit)** | - | (100) | (100) |

This project is for the ongoing 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.

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.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **P3 Consulting and Project Development - Southwest Rapid Transit Corridor - Stage 2**

Department: Transit
Project: 4230030213

Capital Priority Rating: 3 - 4
Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,000 | | | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Consulting services are required to develop the Southwest Rapid Transit Corridor - Stage 2 project to a level of detail required for consideration of the project as a Public Private Partnership eligible for funding by P3 Canada. The consultant will assess the project's fit with the P3 model, including P3 business case development, and prepare all required documentation in support of a funding request.

Project Name: **Southwest Rapid Transit Corridor - Stage 2**

Department: Transit
Project: 4230010513

Capital Priority Rating: 3 - 4
Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 10,000 | 127,500 | - | - | - | 137,500 | 137,500 |
| Financed by: | | | | | | | | | |
| External Debt | | | 10,000 | 127,500 | | | | 137,500 | 137,500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 7,000 | 89,000 | 41,500 | - | - | - | 137,500 |
| Financed by: | | | | | | | | |
| External Debt | | 7,000 | 89,000 | 41,500 | | | | 137,500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | 2,930 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | 2,930 |
| Less: Incremental Revenue/Recovery | | 137 | 1,843 |
| **Net Cost/(Benefit)** | - | (137) | 1,087 |

Stage 2 of the Southwest Rapid Transit Corridor will extend the 3.6 km. Stage 1 transitway from Jubilee Avenue further south to serve various residential, commercial, industrial, recreational and educational centres in southwest Winnipeg. The project will extend the transitway, and will include the construction of several grade separations, multiple stations, and an extension to the existing active transportation path built as part of the Stage 1 project.

Upon completion of Stage 2, rapid transit service will operate the full length of the 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.

Estimated useful life - 30 years.

Project budget required is $350 million with contributions required from other levels of government. The City will work towards a new incremental tri-partite funding agreement, including contributions from P3 Canada and the Province of Manitoba. An application has been submitted to P3 Canada and has been retained for consideration. The maximum funding available from P3 Canada would be 25% of eligible project costs. Operations of the rapid transit system will remain with Winnipeg Transit.

A report will be prepared and construction will not commence until other partner funding is confirmed. This project has not been included in Policy (debt strategy and P3 cap) calculations and operating budget costs have not been included in the operating budget, pending confirmation of other partner funding.

Project Name: **Alternative Fuels Assessment**

Department: Transit
Project: 4210000313

Capital Priority Rating: 3 - 4
Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | | | | | | - | 200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | | | | | | | 200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 47 | 47 |
| **Total Direct Costs** | - | 47 | 47 |
| Less: Incremental Revenue/Recovery | 6 | | |
| **Net Cost/(Benefit)** | (6) | 47 | 47 |

Project will perform detailed analysis of Compressed Natural Gas (CNG) and Liquefied Natural Gas (LNG) transit bus technology to more accurately quantify the costs and benefits of converting a portion of the bus fleet to these alternative fuels. An evaluation of emerging alternative fuel technologies will also be performed to determine whether other options with superior environmental and cost benefits will be available in the near to mid term.

Project Name: **Jubilee Rapid Transit Station**

Department: Transit
Project: 4230010313

Capital Priority Rating: 3 - 4
Service: Public Transit
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,667 | - | - | - | - | - | - | 1,667 |
| Financed by: | | | | | | | | | |
| Land Operating Reserve / Rapid Transit Infrastructure Reserve | | 1,667 | | | | | | - | 1,667 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,667 | - | - | - | - | - | - | 1,667 |
| Financed by: | | | | | | | | |
| Land Operating Reserve / Rapid Transit Infrastructure Reserve | 1,667 | | | | | | | 1,667 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | 32 | | |
| **Net Cost/(Benefit)** | (32) | - | - |

Project to fund the City's portion of the construction of the Jubilee Rapid Transit Station, to be located adjacent to the Jubilee Overpass and the transitway. A report for the construction and funding of the Jubilee Rapid Transit Station was approved by Council on October 24th, 2012. This report specifies the primary funding source of the project as the Land Operating Reserve and any amounts unavailable from the Land Operating Reserve will then be funded by the Rapid Transit Infrastructure Reserve.

Project Name: **Stormwater Retention Basin Rehabilitation**

Department: Water and Waste
Project: 20750001yy

Capital Priority Rating: 3 - 2
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 150 | - | 400 | - | 400 | - | 800 | 950 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 150 | | 400 | | 400 | | 800 | 950 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | - | 400 | - | 400 | - | - | 950 |
| Financed by: | | | | | | | | |
| Cash to Capital | 150 | | 400 | | 400 | | | 950 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 150 | | 400 |
| **Total Direct Costs** | 150 | - | 400 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 150 | - | 400 |

This is an annual program of carrying out repairs or improvements to shorelines and facilities of existing stormwater retention basins including, but not limited to, rock revetment, gate chambers and piping, fountains, and maintenance equipment launching ramps. Rehabilitation and/or upgrading of the retention basins will reduce annual maintenance problems and improve safety.

There are currently 93 stormwater retention basins under the City's jurisdiction. At the current level of funding and depending on the level of work required, 2 to 4 basins are rehabilitated every two years. As the basins age, they will require a higher level of maintenance, and thus future funding levels and prioritization of work will have to be reviewed in order to continue this program of asset preservation. Other expenditures from this account include studies to investigate alternatives to the current vegetation control methods.

The expected life of this asset is 25 years.

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

Project Name: **Flood Pumping Station Rehabilitation**

Department: Water and Waste
Project: 20765001yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 1,000 | 900 | 1,500 | 1,000 | 1,000 | 1,000 | 5,400 | 6,400 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,000 | 900 | 1,500 | 1,000 | 1,000 | 1,000 | 5,400 | 6,400 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 900 | 1,500 | 1,000 | 1,000 | 1,000 | - | 6,400 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,000 | 900 | 1,500 | 1,000 | 1,000 | 1,000 | | 6,400 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,000 | 900 | 1,500 |
| **Total Direct Costs** | 1,000 | 900 | 1,500 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,000 | 900 | 1,500 |

In a 2007 report on the adequacy and operation of the 34 regional flood pumping stations, it was estimated that $22.7 million in upgrades will be required. Near-term expenditures (i.e., next 10 years) have been estimated at $14.5 million, and long term (next 11-50 years) are identified to cost $8.2 million. 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 6 years. All stations will be upgraded for remote monitoring which is critical during flood and rainfall events.

The City continues to retrofit its flood pumping stations that were constructed following the 1950 flood. Significant improvements were made after 1993 in terms of power supply, ventilation for summer use and flood gate orientation. Additional retrofits are being made to mechanical and electrical systems.

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

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 1,150 | 700 | 1,300 | 1,400 | 1,300 | 1,500 | 6,200 | 7,350 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,150 | 700 | 1,300 | 1,400 | 1,300 | 1,500 | 6,200 | 7,350 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,150 | 700 | 1,300 | 1,400 | 1,300 | 1,500 | - | 7,350 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,150 | 700 | 1,300 | 1,400 | 1,300 | 1,500 | | 7,350 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,150 | 700 | 1,300 |
| **Total Direct Costs** | 1,150 | 700 | 1,300 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,150 | 700 | 1,300 |

This is a project to install flap gates and positive sliding 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 3 large ungated outfalls, namely Minnetonka, Rivergate and Woodhaven. Minnetonka was completed in 2011/2012, engineering studies are currently underway on the 2 remaining outfalls.

To date 40 locations have been addressed, leaving 30 locations yet to be completed.

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: **Floodplain Management**

Department: Water and Waste
Project: 20700004yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,223 | 100 | 100 | - | 100 | - | 100 | 300 | 400 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 100 | 100 | | 100 | | 100 | 300 | 400 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | 100 | - | 100 | - | 100 | - | 400 |
| Financed by: | | | | | | | | |
| Cash to Capital | 100 | 100 | | 100 | | 100 | | 400 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 100 | 100 | |
| **Total Direct Costs** | 100 | 100 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 100 | 100 | - |

This project will investigate and implement programs, policies and legislation to:

1) Protect and ensure permanency of current and future secondary dike installation;

2) Prevent construction of new structures interfering with secondary dikes and within unprotected areas subjected to frequent high river levels;

3) Purchase, remove and relocate existing structures from the floodplain; and

4) Investigate a process and develop guidelines to control or prevent improvements/re-developments at unprotected private properties with potential acquisition of such high risk properties starting in 2007.

In April 2007, Council approved a program to raise the level of flood protection for low-lying properties below 20 ft. James Avenue where it could be demonstrated the cost of providing sandbags exceeded the cost of a permanent flood works. In this program, the level of flood protection would be raised to 22.5 ft. James Avenue and thereby avoid the need to sandbag for most floods. To date 28 properties have been protected under this program and a few of the properties have had their flood protection systems raised up to the City's designated Flood Protection Level (FPL) and therefore will not require any additional sandbagging for floods up to a 1997 level.

The implementation of such programs could take place over a minimum of 5 to 10 years at a cost of $10 million.

Project Name: **Seine River Waterway Acquisition**

Department: Water and Waste
Project: 20800001yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,046 | 150 | 150 | 150 | 150 | 150 | 150 | 750 | 900 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 150 | 150 | 150 | 150 | 150 | 150 | 750 | 900 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | 150 | 150 | 150 | 150 | 150 | - | 900 |
| Financed by: | | | | | | | | |
| Cash to Capital | 150 | 150 | 150 | 150 | 150 | 150 | | 900 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| 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 | | | |
| **Net Cost/(Benefit)** | 150 | 150 | 150 |

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.

Project Name: **Primary Dike Upgrading**

Department: Water and Waste
Project: 20700014yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,265 | - | - | 900 | 900 | 1,500 | 1,500 | 4,800 | 4,800 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | | 900 | 900 | 1,500 | 1,500 | 4,800 | 4,800 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 900 | 900 | 1,500 | 1,500 | - | 4,800 |
| Financed by: | | | | | | | | |
| Cash to Capital | | | 900 | 900 | 1,500 | 1,500 | | 4,800 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | 900 |
| **Total Direct Costs** | - | - | 900 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | 900 |

The 1997 flood identified that in the south-end of the City the primary dikes were too low due to higher flows on the upstream portion of the Red River, and in the north-end of the City the dikes were too low due to backwater effects from the Floodway. In 1997 these deficiencies were addressed by constructing temporary clay dikes. The current level of proposed funding will begin to address these areas.

To provide 1 in 700 year flood protection, the level proposed with the Floodway Expansion will require a further raise of the City's primary dike system to deal with additional backwater effects from the expanded Floodway. The estimated cost to undertake this additional work is in the range of $400 million (2009 dollars) and represents the cost for raises to the primary dikes and associated bank stability improvements. The recently released Clean Environment Commission (CEC) report on the Floodway Expansion made a "non-licensing" recommendation that the City complete permanent raising of their primary dikes by 2015 and that all levels of government work cooperatively on the financing of these improvements.

There are a number of major drains that flow through the primary dike system. In 1997, Baldry Creek (Fort Richmond) and Beaujolais Coulee (St. Norbert) had to be coffer dammed off to isolate these systems from the Red River. For the projected 2011 peak, these creeks had to be again isolated from the river by "bagging" off culverts through roadways, installing " high levee" piping through these roadways and placement of agricultural pumps to keep levels in the adjacent stormwater retention basins low. Water and Waste Department has been working with Public Works on a culvert replacement project on the Beaujolais Coulee on Pembina Hwy. which would involve adding a gate chamber to isolate this creek. The gate chamber and fixed tractor-driven pumps are estimated to cost $3.2 million. This work would be scheduled to be done in 2012. Once these works are completed, design of a permanent gate chamber for Baldry Creek will be undertaken.

Until permanent works are completed, the City will rely on temporary raises to its primary dikes on an as-required basis.

Project Name: **Land Drainage Safety Upgrading Program**

Department: Water and Waste
Project: 20700013yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 440 | 100 | - | - | - | - | - | - | 100 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 100 | | | | | | - | 100 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | - | - | - | - | - | 100 |
| Financed by: | | | | | | | | |
| Cash to Capital | 100 | | | | | | | 100 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 100 | | |
| **Total Direct Costs** | 100 | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 100 | - | - |

The purpose of this program is to reconstruct or upgrade miscellaneous components of the existing land drainage system to conform with the City of Winnipeg Drainage Safety Guidelines. Specific projects have been identified and prioritized as part of the Open Channel Drainage Inventory and Safety Review Study.

The expected life of the assets is 75 years.

Project Name: **Land Drainage Utility Study and Implementation**

Department: Water and Waste
Project: 20700015yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 500 | - | - | - | - | 500 | 500 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | | 500 | | | | | 500 | 500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 500 | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Cash to Capital | | 500 | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | 500 | |
| **Total Direct Costs** | - | 500 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 500 | - |

The funding is required to study the feasibility of implementing a new Land Drainage Utility. The capital budget established in 2006 has been cancelled and re-budgeted for 2014.

Project Name: **Permanent Flood Pumping Stations**

Department: Water and Waste
Project: 20700023yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 235 | 200 | - | 200 | - | 200 | - | 400 | 600 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 200 | | 200 | | 200 | | 400 | 600 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | 200 | - | 200 | - | - | 600 |
| Financed by: | | | | | | | | |
| Cash to Capital | 200 | | 200 | | 200 | | | 600 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 200 | | 200 |
| **Total Direct Costs** | 200 | - | 200 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 200 | - | 200 |

During high water events, the City places temporary pumps to dewater the sewer system during rainfall/snowmelt events. These temporary pumps require continuous monitoring during a high water event.

This program will involve replacing some of the temporary pump locations that need to be placed every year with permanent submersible pumps. Costs include modifications to site, pumps and cost of providing appropriate power at site.

The expected life of the assets is 50 years.

Project Name: **Land Drainage Supervisory Control and Data Acquisition (SCADA) System**

Department: Water and Waste
Project: 20700024yy

Capital Priority Rating: 3 - 2
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 100 | 100 | - | - | - | - | 100 | 200 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 100 | 100 | | | | | 100 | 200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | 100 | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Cash to Capital | 100 | 100 | | | | | | 200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 25 | 25 | 25 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 100 | 100 | |
| **Total Direct Costs** | 125 | 125 | 25 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 125 | 125 | 25 |

The City currently has continuous water level monitoring from 8 gauges on the Red and Assiniboine Rivers. During flood or significant rainfall events surveyors are sent out to monitor water levels at other key river sites and on critical stormwater retention basins throughout the City.

Installation of a monitoring system allows for monitoring of water levels during a flood event and post-event assessments of the performance of the lake sites. A total of 14 sites have been identified. The first phase of the program just completed (June 2012) is to develop installation concepts and cost estimates for each site and the second phase will be installation of the gauges based on overall priority.

During the 2011 spring flood water level monitoring stations were installed at 4 critical stormwater retention basins and on the North and South Perimeter Bridges.

Project Name: **Flood Manual Upgrades**

Department: Water and Waste
Project: 20700012yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | 800 | 948 | - | - | - | - | 948 | 1,748 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 800 | 948 | | | | | 948 | 1,748 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | 948 | - | - | - | - | - | 1,748 |
| Financed by: | | | | | | | | |
| Cash to Capital | 800 | 948 | | | | | | 1,748 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 800 | 948 | |
| **Total Direct Costs** | 800 | 948 | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 800 | 948 | - |

The City of Winnipeg's Geographic Information System based Flood Manual was developed in the 2000 to 2003 timeframe 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 1 in a 100 year flood. Initial planning for the 2011 flood indicated that there was a potential of exceeding 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 the Manitoba Water Stewardship on an appropriate upper bound. The second upgrade is to upgrade the old VB6 software that runs the Flood Manual. This needs to be done as VB6 software is no longer supported.

** Supported by Class estimate 1, see Appendix # 2.

Project Name: **Outfall Rehabilitation**

Department: Water and Waste
Project: 20780001yy

Capital Priority Rating: 3 - 4
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 1,300 | 900 | 1,200 | 1,508 | 2,000 | 2,000 | 7,608 | 8,908 |
| Financed by: | | | | | | | | | |
| Cash to Capital | | 1,300 | 900 | 1,200 | 1,508 | 2,000 | 2,000 | 7,608 | 8,908 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,300 | 900 | 1,200 | 1,508 | 2,000 | 2,000 | - | 8,908 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,300 | 900 | 1,200 | 1,508 | 2,000 | 2,000 | | 8,908 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | 1,300 | 900 | 1,200 |
| **Total Direct Costs** | 1,300 | 900 | 1,200 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,300 | 900 | 1,200 |

Funding is for rehabilitation of sewer outfalls, repair to piping, and correction of riverbank instability. A condition assessment was completed in 1998 to provide a prioritization of repairs for outfalls throughout the City. Outfall repairs will focus on the outfalls that require most immediate attention, some of which experienced damage from the high river elevations and ice flows experienced during the 1996 and 1997 floods. Originally 55 high-priority sites were identified requiring attention. Since then, 5 more sites have been added for a total of 60 sites.

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: **Combined Sewer Flood Relief**

Department: Water and Waste
Project: 20710001yy

Capital Priority Rating: 3 - 4
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | 11,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 50,000 | 61,000 |
| Financed by: | | | | | | | | | |
| Sewer System Rehabilitation Reserve | | 11,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 50,000 | 61,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 11,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | - | 61,000 |
| Financed by: | | | | | | | | |
| Sewer System Rehabilitation Reserve | 11,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | | 61,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

This program, which was approved by Council on October 21, 1987, provides for basement flood relief to combined sewer areas. Funds will be used for the planning, design, and construction of sewer relief works. 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.

There are 42 combined sewer districts in Winnipeg. Currently, 28 combined sewer districts have been relieved. At present, 2 combined sewer districts are being relieved, another 2 are being considered for partial separation and an additional district will be studied for future relief. Planning for the relief work is also coordinated with the upcoming Combined Sewer Overflow program and the Sewer Rehabilitation program. The cost for the remainder of the program is $262 million and at current funding rates will require over 20 years to complete. The benefit to cost ratio of the outstanding work is 3.8 to 1; meaning for every dollar spent on sewer relief works, $3.8 dollars are saved in reduced flood damages.

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: **Flood Relief Sewers - Separate**

Department: Water and Waste
Project: 20720001yy

Capital Priority Rating: 3 - 4
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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: | | | | | | | | | |
| Sewer System Rehabilitation Reserve | | 300 | 300 | 300 | 300 | 300 | 300 | 1,500 | 1,800 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | 300 | 300 | 300 | 300 | 300 | - | 1,800 |
| Financed by: | | | | | | | | |
| Sewer System Rehabilitation Reserve | 300 | 300 | 300 | 300 | 300 | 300 | | 1,800 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Basement flooding has become an issue in some separate sewer areas as in combined sewer areas. A parallel relief sewer program in separate areas is necessary. Prior to any works proceeding, a planning study will be undertaken to identify City-wide priorities, as well as allow for sewer flow and meteorological monitoring in advance of a conceptual and detailed design.

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: **Development Agreement Paybacks**

Department: Water and Waste
Project: 20770001yy

Capital Priority Rating: 3 - 2
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | - | 500 | 500 | 500 | 500 | - | 2,000 | 2,000 |
| Financed by: | | | | | | | | | |
| Developer Capacity Charges | | | 500 | 500 | 500 | 500 | | 2,000 | 2,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | 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) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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:

| | |
|---|---|
| 2014 DASZ 10/10 - North Grassie Properties/Starlight Village | $500,000 |
| 2015 DASZ 14/94 - Genstar/Prairie Crossing | $500,000 |
| 2016 DASZ 56/85 - Inksbrook Industrial Park | $500,000 |
| 2017 DASZ 1/06 - MHRC/Waverley West | $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: **Fernbank Avenue Land Drainage Sewer**

Department: Water and Waste
Project: 20820001yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 875 | - | - | 875 | 875 |
| Financed by: | | | | | | | | | |
| Developer Capacity Charges | | | | | 875 | | | 875 | 875 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 875 | - | - | - | 875 |
| Financed by: | | | | | | | | |
| Developer Capacity Charges | | | | 875 | | | | 875 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

This project includes construction of a 1,350 mm diameter land drainage sewer on Fernbank Avenue from approximately 65 metres west of Main Street to Rivergrove Drive. The sewer will provide a permanent outlet for the Riverbend Subdivision retention basin and an outlet for the undeveloped lands west of the CPR Winnipeg Beach Subdivision rail line. These lands include the Public Works Department's snow dump site north of Fernbank Avenue.

The expected life of this asset is 75 years.



Project Name: **Shoal Lake Aqueduct and Falcon River Diversion Bridges**

Department: Water and Waste
Project: 2001002713

Capital Priority Rating: 5 - 2
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,000 | | | | | | - | 1,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,000 | | | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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.

However, key to 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

Capital Priority Rating: 5 - 3
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,635 | 800 | 800 | 500 | 500 | 500 | 1,000 | 3,300 | 4,100 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 800 | 800 | 500 | 500 | 500 | 1,000 | 3,300 | 4,100 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | 800 | 500 | 500 | 500 | 1,000 | - | 4,100 |
| Financed by: | | | | | | | | |
| Retained Earnings | 800 | 800 | 500 | 500 | 500 | 1,000 | | 4,100 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 works.

Works which have been identified include the rehabilitation of drainage siphons crossing the Aqueduct, replacement or rehabilitation of boathouses and broken Aqueduct vent pipes, re-establishment of a boathouse in proximity of the Whitemouth River and condition inspection and cleaning of the Aqueduct underdrain.

The expected life of this asset is 50 years.

Project Name: **Shoal Lake Aqueduct Intake Facility Rehabilitation**

Department: Water and Waste
Project: 20120002yy

Capital Priority Rating: 5 - 4
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,800 | 200 | 800 | 800 | 800 | 1,100 | 6,800 | 10,300 | 10,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 200 | 800 | 800 | 800 | 1,100 | 6,800 | 10,300 | 10,500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 800 | 800 | 800 | 1,100 | 6,800 | - | 10,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 200 | 800 | 800 | 800 | 1,100 | 6,800 | | 10,500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 first phase of the project will be a study to review alternate forms of treatment and/or disinfection for the Shoal Lake Aqueduct and distribution system to meet the operational, public health, and safety goals. Presently, chlorine is used at the intake for disinfection, slime control in the aqueduct and zebra mussel control. The Water Treatment Project Risk Management process identified viable alternatives to gas chlorine to reduce risk. Given the consequences associated with security, transportation, and containment of gas chlorine, an alternative to chlorination was investigated as part of the Drinking Water Quality Strategy.

Quagga and zebra mussel mitigation is under review as zebra mussels have been detected in the Red River in North Dakota. The Drinking Water Quality Strategy Report contains mitigation recommendations for quagga and zebra mussels. An allowance for implementing mussel mitigation at the intake is included in the budget.

The expected life of this asset is 50 years.

Funding in 2013, 2014 and 2015 include re-budgeted amounts from previously approved Capital Budgets.

Project Name: **Branch Aqueduct Condition Assessment and Rehabilitation**

Department: Water and Waste
Project: 20030005yy

Capital Priority Rating: 5 - 3
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,500 | 500 | - | - | 1,000 | 1,000 | 2,500 | 4,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,500 | 500 | | | 1,000 | 1,000 | 2,500 | 4,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | 500 | - | - | 1,000 | 1,000 | - | 4,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,500 | 500 | | | 1,000 | 1,000 | | 4,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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.

The expected life of this asset is 50 years.

Project Name: **Branch I Aqueduct at Seine River - Riverbank Stabilization (east side)**

Department: Water and Waste
Project: 20030009yy

Capital Priority Rating: 5 - 4
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,495 | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,000 | | | | | | - | 1,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,000 | | | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

A comprehensive condition assessment of the Branch I Aqueduct reach of the Shoal Lake Aqueduct (Deacon Reservoir to the 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.

** Supported by Class estimate 3, see Appendix # 2.

Project Name: **GWWD Railway Bridge Rehabilitation**

Department: Water and Waste
Project: 20060003yy

Capital Priority Rating: 5 - 4
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | 200 | 1,200 | - | - | - | - | 1,200 | 1,400 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 200 | 1,200 | | | | | 1,200 | 1,400 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 1,200 | - | - | - | - | - | 1,400 |
| Financed by: | | | | | | | | |
| Retained Earnings | 200 | 1,200 | | | | | | 1,400 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

This project involves the replacement of the timber bridge at Mile 77.6 (East Braintree) with a salvaged steel span or a new structure and abutment repairs for the timber bridges at Mile 21.8 (Cook's Creek) and 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: **Water Treatment Plant Upgrading**

Department: Water and Waste
Project: 20025001yy

Capital Priority Rating: 5 - 4
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 140 | - | 900 | - | 5,000 | 5,000 | - | 10,900 | 10,900 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 900 | | 5,000 | 5,000 | | 10,900 | 10,900 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 900 | - | 5,000 | 5,000 | - | - | 10,900 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 900 | | 5,000 | 5,000 | | | 10,900 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 10 | 10 | 10 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 10 | 10 | 10 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 10 | 10 | 10 |

The drinking water treatment plant is the single source of treated water for the City of Winnipeg. The water treatment processes are made up of pumps, valves, piping, custom designed mechanical components, compressors, blowers, chemical handling and metering equipment, electronic measurement and control equipment, switch gears, variable speed drives, transformers and related equipment. Due to the corrosive properties of the chemicals and acids, the mechanical equipment will have to be rebuilt or replaced to ensure the provision of treated water for the City of Winnipeg.

The expected life of this asset is 5 to 20 years.

Project Name: **Ultraviolet Light Disinfection Upgrade / Rehabilitation**

Department: Water and Waste
Project: 20025004yy

Capital Priority Rating: 5 - 4
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 400 | - | 4,000 | - | - | 4,400 | 4,400 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 400 | | 4,000 | | | 4,400 | 4,400 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 400 | - | 4,000 | - | - | - | 4,400 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 400 | | 4,000 | | | | 4,400 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The ultraviolet light disinfection system is an integral pathogen barrier in the drinking water treatment process. The process treats the water by emitting ultraviolet light into the water. There is a significant amount of rejection heat generated by the electrical and mechanical systems which degrade the equipment. Typically the ballasts, transformers, bulbs, quartz sleeves and mechanical wiper systems all must be serviced and replaced at regular intervals to maintain the reliable operation of this treatment system.

The ultraviolet light disinfection system will be reconfigured to dose based upon the new water treatment plant finished water quality. Amendments will also be made to the system to accommodate changes that will be required by regulations as a result of the low wave length issue.

The expected life of this asset is 5 to 20 years.

Funding in 2014 includes re-budgeted amounts from previously approved Capital Budgets.

Project Name: **Deacon Site Flood Protection**

Department: Water and Waste
Project: 2002500514

Capital Priority Rating: 3 - 2
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 560 | - | - | - | - | 560 | 560 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 560 | | | | | 560 | 560 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 560 | - | - | - | - | - | 560 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 560 | | | | | | 560 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The Deacon site ditch drainage system has experienced overland flooding in the past 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 new Drinking Water Treatment Plant and related onsite buildings.

The expected life of this asset is over 50 years.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Tache Booster Pumping Station**

Department: Water and Waste
Project: 20050006yy

Capital Priority Rating: 5 - 3
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 3,000 | 1,800 | - | - | - | - | 1,800 | 4,800 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 3,000 | 1,800 | | | | | 1,800 | 4,800 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,000 | 1,800 | - | - | - | - | - | 4,800 |
| Financed by: | | | | | | | | |
| Retained Earnings | 3,000 | 1,800 | | | | | | 4,800 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 upgrading 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.

Project Name: **Pumping Stations Reliability Upgrades**

Department: Water and Waste
Project: 20050003yy

Capital Priority Rating: 5 - 4
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,086 | - | 1,900 | 500 | 1,200 | - | - | 3,600 | 3,600 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 1,900 | 500 | 1,200 | | | 3,600 | 3,600 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,900 | 500 | 1,200 | - | - | - | 3,600 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 1,900 | 500 | 1,200 | | | | 3,600 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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.

Project Name: **Pumping Stations and Reservoirs Structural Upgrades**

Department: Water and Waste
Project: 20050012yy

Capital Priority Rating: 5 - 4
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 820 | 2,150 | - | - | 450 | 500 | 3,100 | 3,920 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 820 | 2,150 | | | 450 | 500 | 3,100 | 3,920 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 820 | 1,150 | 1,000 | - | 450 | 500 | - | 3,920 |
| Financed by: | | | | | | | | |
| Retained Earnings | 820 | 1,150 | 1,000 | | 450 | 500 | | 3,920 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 will be conducted in 2013 with future funding requirements to be identified in the report.

The expected life of these assets is 50 years.

Funding in 2013 includes re-budgeted amounts from previously approved Capital Budgets.

Project Name: **Chlorination Upgrading at Pumping Stations**

Department: Water and Waste
Project: 20050011yy

Capital Priority Rating: 5 - 4
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 700 | 800 | 800 | 450 | 2,750 | 2,750 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | 700 | 800 | 800 | 450 | 2,750 | 2,750 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 700 | 800 | 800 | 450 | - | 2,750 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | 700 | 800 | 800 | 450 | | 2,750 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 a gas chlorine which is a hazardous chemical. To reduce the risk to the City, staff, public and the environment, bulk liquid or onsite generation of sodium hypochlorite will be designed and installed at the pumping stations.

Project Name: **Water Supervisory Control and Data Acquisition (SCADA) Upgrade**

Department: Water and Waste
Project: 20050002yy

Capital Priority Rating: 5 - 4
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,800 | - | 1,000 | - | - | - | - | 1,000 | 1,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 1,000 | | | | | 1,000 | 1,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,000 | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 1,000 | | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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). A 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 is 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 life of this asset is 10 years but will depend on the technical advancement in the process automation field.

Project Name: **Waterworks System Security Upgrades**

Department: Water and Waste
Project: 20010015yy

Capital Priority Rating: 5 - 2
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 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: | | | | | | | | | |
| Retained Earnings | | 500 | 500 | 500 | 500 | 500 | 500 | 2,500 | 3,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 500 | 500 | 500 | 500 | 500 | - | 3,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 500 | 500 | 500 | 500 | 500 | 500 | | 3,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 25 | 25 | 25 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 25 | 25 | 25 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 25 | 25 | 25 |

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: **General Water Infrastructure Rehabilitation**

Department: Water and Waste
Project: 20010026yy

Capital Priority Rating: 5 - 4
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 500 | 500 | 1,000 | 1,000 | 1,000 | 4,000 | 4,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 500 | 500 | 1,000 | 1,000 | 1,000 | 4,000 | 4,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 500 | 500 | 1,000 | 1,000 | 1,000 | - | 4,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 500 | 500 | 1,000 | 1,000 | 1,000 | | 4,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Many components in the water supply and distribution systems have been in service for many years and are reaching the end of their functional lives. These components are critical elements of the infrastructure and their failure would result in disruption of service and costly emergency repairs. This project will address the need to rehabilitate the water supply and distribution systems, in order to maintain the water system reliability and conformance with current building codes and health regulations. This will be an on-going project with additional funding being included in future years.

The scope of work will be varied and will be prioritized based on the urgency and cost effectiveness identified through condition assessment studies, available rehabilitation techniques, and research into innovative rehabilitation measures. Infrastructure to be assessed and rehabilitated under this project includes, but is not limited to, reservoirs, pumping stations, feedermains, valves, electrical and mechanical systems, control systems, chemical systems, related building structures, and security.

Life expectancy will vary with each asset, however, a range of 10 to 50 years is expected.

* 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

Capital Priority Rating: 5 - 2
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 ** | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 575 | - | - | 650 | - | - | - | 650 | 650 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | 650 | | | | 650 | 650 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 650 | - | - | - | - | 650 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | 650 | | | | | 650 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 5-year reporting frequency.

** Supported by Class estimate 3, see Appendix # 2.

Project Name: **North End Water Pollution Control Centre (NEWPCC) - Environmental Standards Division Laboratory Facility Upgrading**

Department: Water and Waste
Project: 20010022yy

Capital Priority Rating: 3 - 2
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 310 | 50 | 200 | - | - | - | - | 200 | 250 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 50 | 200 | | | | | 200 | 250 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 50 | 200 | - | - | - | - | - | 250 |
| Financed by: | | | | | | | | |
| Retained Earnings | 50 | 200 | | | | | | 250 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The Environmental Standards Division Laboratory is an ISO accredited (for analytical and calibration laboratories, ISO 17025) laboratory located at the NEWPCC. The ISO accreditation requires a constant room temperature to conduct tests that provide consistent and accurate results. The existing air handling unit providing heating and air conditioning to the Environmental Standards Laboratory is 16 years old. There have been problems with this system over the past several years.

The upgrade of the heating, ventilating and air conditioning (HVAC) system consists of replacing the existing air handling unit with a HVAC system that meets the appropriate needs of the laboratory and administration offices.

The expected life for this facility is approximately 20 years.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

** Supported by Class estimate 3, see Appendix # 2.

Project Name: **Midtown Feedermain**

Department: Water and Waste
Project: 2004000213

Capital Priority Rating: 5 - 3
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,800 | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,000 | | | | | | - | 1,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,000 | | | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The Midtown Feedermain crosses the Assiniboine River on its own dedicated bridge structure and has been in service since 1956. Significant repairs were made to the feedermain pipe in 1993 and internal inspections of the pipe at that time revealed the presence of corrosion. A condition assessment of the feedermain pipe and its associated bridge structure to ascertain future rehabilitation or replacement requirements was undertaken in 2002. As a result of the condition assessment, detailed designs and accurate construction cost estimates have been completed. The high Assiniboine River flows in 2011 have caused river bank instabilities putting the bridge at risk. Additional geotechnical investigations and remediation works are now required to protect the bridge foundation.

The expected life of this rehabilitated asset is 50 years.

Project Name: **Saskatchewan Avenue Watermain**

Department: Water and Waste
Project: 2013500115

Capital Priority Rating: 5 - 3
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 ** | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 4,400 | - | - | - | 4,400 | 4,400 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | 4,400 | | | | 4,400 | 4,400 |

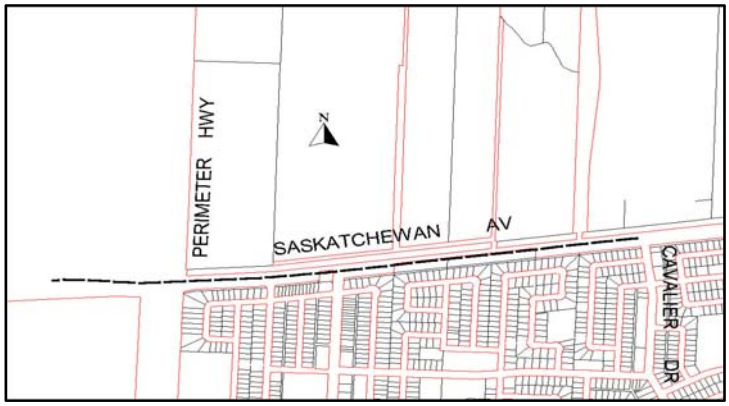
| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 4,400 | - | - | - | - | 4,400 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | 4,400 | | | | | 4,400 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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.

** Supported by Class estimate 3, see Appendix # 2.



Project Name: **Waverley West Feedermain**

Department: Water and Waste
Project: 2004000913

Capital Priority Rating: 5 - 3
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,300 | 6,800 | - | - | - | - | - | - | 6,800 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 6,800 | | | | | | - | 6,800 |

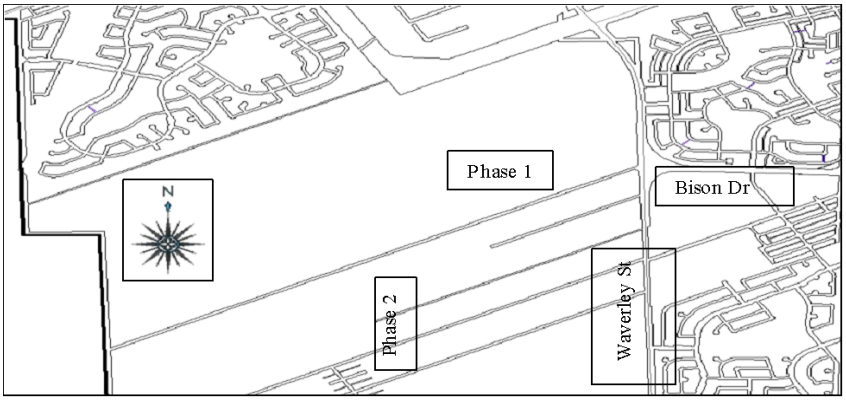
| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 6,800 | - | - | - | - | - | - | 6,800 |
| Financed by: | | | | | | | | |
| Retained Earnings | 6,800 | | | | | | | 6,800 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Urban development of the lands within the City west of Waverley Street, north and south of Cadboro Road will require an extension of the existing feedermain system to provide water service and fire protection to developments in this area. The funds included are for Phase 2 of the feedermain extension. Phase 2 will continue south down the proposed Kenaston Blvd. extension.

The expected life of the asset is over 50 years.

** Supported by Class estimate 3, see Appendix # 2.



Project Name: **Feedermain Condition Assessment and Rehabilitation**

Department: Water and Waste
Project: 20040007yy

Capital Priority Rating: 5 - 3
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 7,500 | 9,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 7,500 | 9,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | - | 9,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | | 9,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 water supply valves are critical elements used to control the distribution of water from the source through the feedermain pipes. This will also include installation of valves and piping at new or existing locations to improve service reliability and reduce environmental risk. The program will also include replacement of valves, operators, Supervisory Control and Data Acquisition (SCADA) control equipment, related pipe connections, valve chambers, structural assessments, and restoration works. This is an ongoing program with additional funding being included in future years.

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

Project Name: **Public Water Outlets**

Department: Water and Waste
Project: 20010017yy

Capital Priority Rating: 3 - 3
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 750 | 600 | 100 | - | - | - | 700 | 1,450 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 750 | 600 | 100 | | | | 700 | 1,450 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 750 | 600 | 100 | - | - | - | - | 1,450 |
| Financed by: | | | | | | | | |
| Retained Earnings | 750 | 600 | 100 | | | | | 1,450 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

There are three public drinking water outlets in the City providing truck filling services for contractors or homeowners hauling water. Funds are required to perform an assessment of water sales, a review of the public water outlet locations, safety upgrades, and rehabilitation, reconstruction or decommissioning works. In some locations the replacement of existing structures are required to maintain this service. Future funds may be required following the recommendations of the study.

Life expectancy will vary between 20 and 50 years.

Project Name: **Meter Infrastructure Project**

Department: Water and Waste - Waterworks System
Project: 20010025yy

Capital Priority Rating: 3 - 1
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,075 | - | 500 | - | - | - | - | 500 | 500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 500 | | | | | 500 | 500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 500 | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 500 | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The project is for piloting an Advanced Metering Infrastructure (AMI) solution for the Water and Waste Department. AMI is a water metering solution providing daily meter data wirelessly via a communication network. The pilot is planned for a 12 month period, 2013 to 2014 for meters in service, followed by an assessment period, 2014 to 2015 to provide the assurance that the AMI business case is achievable. Approval for full AMI implementation will be requested upon demonstrated pilot success. Costs for full implementation of an advanced metering technology are estimated to be up to $82.3 million.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Water and Waste Department GIS Enhancement Program**

Department: Water and Waste
Project: 20100003yy

Capital Priority Rating: 5 - 2
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 100 | 100 | 100 | 100 | 100 | 100 | 500 | 600 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 100 | 100 | 100 | 100 | 100 | 100 | 500 | 600 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | 100 | 100 | 100 | 100 | 100 | - | 600 |
| Financed by: | | | | | | | | |
| Retained Earnings | 100 | 100 | 100 | 100 | 100 | 100 | | 600 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

Project Name: **Safety Upgrades - Isolation Valves at Valve and Meter Pits**

Department: Water and Waste - Waterworks System
Project: 20010014yy

Capital Priority Rating: 5 - 3
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 81 | 150 | - | 100 | - | - | - | 100 | 250 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 150 | | 100 | | | | 100 | 250 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2017 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | - | 100 | - | - | - | - | 250 |
| Financed by: | | | | | | | | |
| Retained Earnings | 150 | | 100 | | | | | 250 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

There are numerous underground valve and meter pits that must be accessed under confined entry procedures, to maintain the valves and meters. Recent changes to these safe work practices require that water pressure be turned off outside those pits. In order to reduce water service disruptions to customers included in the shutdown areas, additional valves and bypasses are required outside the pits.

The expected life of these assets is 50 years.

Funding in 2013 and 2015 includes re-budgeted amounts from previously approved Capital Budgets.

Project Name: **Oracle Work Asset Management System Upgrade**

Department: Water and Waste
Project: 2010000113

Capital Priority Rating: 5 - 3
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 135 | - | - | - | - | - | - | 135 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 135 | | | | | | | 135 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 135 | - | - | - | - | - | - | 135 |
| Financed by: | | | | | | | | |
| Retained Earnings | 135 | | | | | | | 135 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Oracle Work Asset Management (WAM) System upgrade consists of seeking professional services to update the WAM system to the supported software and infrastructure services levels to ensure continued stability for Water and Waste operations. The WAM upgrade adheres to the vendor support terms to ensure availability of their support services and entitlement of future software fixes and enhancements. The upgrade to the software asset estimated life is 4 years where vendor support will be available.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

* * Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Laboratory Information Management System Upgrade**

Department: Water and Waste
Project: 20100008yy

Capital Priority Rating: 3 - 2
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 ** | 2015 ** | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 250 | 500 | 500 | - | - | - | 1,000 | 1,250 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 250 | 500 | 500 | | | | 1,000 | 1,250 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | 500 | 500 | - | - | - | - | 1,250 |
| Financed by: | | | | | | | | |
| Retained Earnings | 250 | 500 | 500 | | | | | 1,250 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 life cycle and cannot be further enhanced to keep abreast of new Canadian Association for Laboratory Accreditation Inc. (CALA) accreditation requirements. The lab needs to maintain its CALA accreditation in order to comply with the Environment Act Licenses 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 estimated life of this asset is 10 years.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

* * Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Building Renovations - 1199 Pacific Avenue**

Department: Water and Waste
Project: 2001000813

Capital Priority Rating: 3 - 2
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 125 | - | - | - | - | - | - | 125 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 125 | | | | | | | 125 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 125 | - | - | - | - | - | - | 125 |
| Financed by: | | | | | | | | |
| Retained Earnings | 125 | | | | | | | 125 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 divisions has resulted in a need to reconfigure the space.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

Project Name: **Utility Asset Management System**

Department: Water and Waste
Project: 20100009yy

Capital Priority Rating: 3-2
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,000 | 500 | - | - | - | - | 500 | 1,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,000 | 500 | | | | | 500 | 1,500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 500 | - | - | - | - | - | 1,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,000 | 500 | | | | | | 1,500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The following projects from the 2012 Capital Budgets; Land Drainage Asset Management Strategy, Aqueduct Information Management System, Hydrant & Valve Operations Management Systems and Wastewater Collection System Asset Management Strategy have been combined into one project called the Utility Asset Management System.

Department asset management programs such as the Sewer Management System (SMS) and the Aqueduct Information Management System (AIMS) are at the end of their useful life, are becoming difficult to support and require replacement. Additional requirements have arisen such as a need for managing watermain assets, hydrants and valves and a Synergen/GIS interface. It is believed that all of these requirements can be addressed by a single IT solution such as a commercial off-the-shelf asset management program.

The work of this project will be to identify department needs, procure an appropriate solution, modify to suit and implement across the Department.

The estimated life of this asset is 10 years.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

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

Project Name: **Watermain Renewals**

Department: Water and Waste
Project: 201300xxyy

Capital Priority Rating: 5 - 2
Service: Water
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 15,000 | 16,000 | 17,000 | 17,000 | 17,500 | 18,000 | 85,500 | 100,500 |
| Financed by: | | | | | | | | | |
| Watermain Renewal Reserve | | 15,000 | 16,000 | 17,000 | 17,000 | 17,500 | 18,000 | 85,500 | 100,500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 15,000 | 16,000 | 17,000 | 17,000 | 17,500 | 18,000 | - | 100,500 |
| Financed by: | | | | | | | | |
| Watermain Renewal Reserve | 15,000 | 16,000 | 17,000 | 17,000 | 17,500 | 18,000 | | 100,500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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: **Wastewater System Security Upgrades**

Department: Water and Waste
Project: 20300015yy

Capital Priority Rating: 5 - 2
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 500 | 500 | 500 | 500 | 500 | - | 2,000 | 2,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 500 | 500 | 500 | 500 | 500 | | 2,000 | 2,500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 500 | 500 | 500 | 500 | - | - | 2,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 500 | 500 | 500 | 500 | 500 | | | 2,500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 25 | 25 | 25 |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 25 | 25 | 25 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 25 | 25 | 25 |

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 is required for increased security measures to adequately protect the wastewater system.

The scope and cost of these security measures are preliminary at this time and will be reviewed and updated through the audit, design and implementation phases.

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

Project Name: **North End Water Pollution Control Centre (NEWPCC) - Main Building HVAC Replacement**

| | | | |
|---|---|---|---|
| Department: | Water and Waste | Capital Priority Rating: | 3 - 2 |
| Project: | 20310026yy | Service: | Wastewater |
| | | OurWinnipeg: | Environment |

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 100 | 400 | - | - | - | - | 400 | 500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 100 | 400 | | | | | 400 | 500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | 400 | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 100 | 400 | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The main building heating, ventilating and air conditioning (HVAC) unit is approximately 25 years old. There have been problems with this system over the past several years.

The upgrade of the HVAC system will consist of replacing the existing air handling unit with a HVAC system that meets the appropriate needs.

The life expectancy of this asset is 20 years.

Project Name: **NEWPCC - Raw Sewage Pump Replacement**

Department: Water and Waste
Project: 20310010yy

Capital Priority Rating: 5 - 3
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 11,600 | 1,000 | 6,300 | - | - | - | - | 6,300 | 7,300 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,000 | 6,300 | | | | | 6,300 | 7,300 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 6,300 | - | - | - | - | - | 7,300 |
| Financed by: | | | | | | | | |
| Cash to Capital | 1,000 | 6,300 | | | | | | 7,300 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Raw sewage pumping is an essential operation at the NEWPCC. The largest and oldest raw sewage pumps at the NEWPCC (pumps labeled as MP2, MP3, MP4 and MP6) were installed in 1965 and are each rated at 700 horsepower with a pumping capacity of 188 megalitres per day (ML/d). While these pumps have been maintained in good condition, repairs are becoming more difficult to complete. Parts are difficult to obtain and may have to be custom fabricated. The variable speed drives on pumps MP2 and MP4 are considered obsolete. Variable speed drives allow for more efficient pumping to pace the flows received at the NEWPCC.

Funding in 2014 will be for engineering and supply and delivery contracts for pumps MP2, MP4 and MP5.

The scope and cost for these upgrades will be reviewed and updated as engineering proceeds through the design and implementation phases.

The expected life of the pumps is 25 years. The expected life of the HVAC and electrical systems is 15 years.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **NEWPCC - Secondary Clarifiers Refurbishment**

Department: Water and Waste
Project: 20310003yy

Capital Priority Rating: 5 - 2
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 600 | 1,200 | - | - | - | - | - | - | 1,200 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,200 | | | | | | - | 1,200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,200 | - | - | - | - | - | - | 1,200 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,200 | - | | | | | | 1,200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The ten circular secondary clarifiers at the NEWPCC were constructed in 1963. Over the years the concrete launders, aluminum weir plates and the clarifier mechanism guide plates have required periodical maintenance to keep them functioning. At this time the concrete and metal parts of these components require more substantial repairs. The work of this project will require an engineering assessment to establish the work program followed by a three-year repair program.

On July 18, 2012 Council approved a first charge of $350,000 before the 2013 Capital Budget is adopted to permit needed refurbishment work to be performed during low wet weather flow period at the North End Water Pollution Control Centre.

The expected life of this asset is 50 years.

Project Name: **NEWPCC - Environmental Standards Division Laboratory Facility Upgrading**

| | | | |
|---|---|---|---|
| Department: | Water and Waste | Capital Priority Rating: | 3 - 2 |
| Project: | 20300022yy | Service: | Wastewater |
| | | OurWinnipeg: | Environment |

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 310 | 50 | 200 | - | - | - | - | 200 | 250 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 50 | 200 | | | | | 200 | 250 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 50 | 200 | - | - | - | - | - | 250 |
| Financed by: | | | | | | | | |
| Retained Earnings | 50 | 200 | | | | | | 250 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The Environmental Standards Division Laboratory is an ISO accredited (for analytical and calibration laboratories, ISO 17025) laboratory located at the NEWPCC. The ISO accreditation requires a constant room temperature to conduct tests that provide consistent and accurate results. The existing air handling unit providing heating and air conditioning to the Environmental Standards Laboratory is 16 years old. There have been problems with this system over the past several years.

The upgrade of the heating, ventilating and air conditioning (HVAC) system consists of replacing the existing air handling unit with a HVAC system that meets the appropriate needs of the laboratory and administration offices.

The expected life for this facility is approximately 20 years.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

** Supported by Class estimate 3, see Appendix # 2.

Project Name: **West End Water Pollution Control Centre (WEWPCC) - Settling Improvement**

| | | | |
|---|---|---|---|
| Department: | Water and Waste | Capital Priority Rating: | 5 - 2 |
| Project: | 2033000913 | Service: | Wastewater |
| | | OurWinnipeg: | Environment |

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 250 | - | - | - | - | - | - | 250 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 250 | | | | | | - | 250 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | - | - | - | - | - | - | 250 |
| Financed by: | | | | | | | | |
| Retained Earnings | 250 | | | | | | | 250 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Secondary clarification is the final barrier before disinfection and release. This study will look at ways to improve solids settling which will improve the total phosphorous (TP) removal, total suspended solids (TSS) removal and minimize chemical use.

Project Name: **Water Pollution Control Centres (WPCC) - Distributed Control System (DCS) and Human Machine Interface (HMI) upgrades**

| | | | |
|---|---|---|---|
| Department: | Water and Waste | Capital Priority Rating: | 5 - 4 |
| Project: | 2040000613 | Service: | Wastewater |
| | | OurWinnipeg: | Environment |

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,000 | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,000 | | | | | | - | 1,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,000 | | | | | | | 1,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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.

The purpose of this project is to replace the WPCCs' DCS HMI systems to ensure long term operational reliability.

The expected life of this asset is 15 years.

** Supported by Class estimate 3, see Appendix # 2.

Project Name: **WPCC - Flood Mitigation**

Department: Water and Waste
Project: 2030001713

Capital Priority Rating: 5 - 3
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 200 | | | | | | - | 200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Retained Earnings | 200 | | | | | | | 200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Hydraulic studies undertaken in 2011 for WPCC spring flood protection identified plant capacity limitations and the need for temporary flood protection measures when subjected to elevated river levels during spring runoff.

The project will identify and initiate more effective permanent flood mitigation solutions at the WPCCs.

The expected life of this asset is 25 years.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **WPCC - Hauled Liquid Waste Acceptance Facility**

Department: Water and Waste
Project: 2034000913

Capital Priority Rating: 5 - 3
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 9,875 | 3,925 | - | - | - | - | - | - | 3,925 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 3,925 | | | | | | - | 3,925 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,925 | - | - | - | - | - | - | 3,925 |
| Financed by: | | | | | | | | |
| Retained Earnings | 3,925 | | | | | | | 3,925 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The West End Water Pollution Control Centre (WEWPCC) accepted waste from septic haulers as a disposal facility at the Perimeter Road Pumping Station. The design consultants for the WEWPCC Biological Nutrient Removal (BNR) facility have recommended that this practice be stopped. On December 1, 2005, the Standing Policy Committee on Infrastructure Renewal and Public Works concurred with the recommendation. As of July 1, 2007, septage was no longer accepted at the WEWPCC and the septage receiving facility at the WEWPCC was closed. This project is to provide increased capacity at the other two facilities (North and South End Water Pollution Control Centres).

The name of this project has been revised from Septage Acceptance Facility - Wastewater Pollution Control Centres to WPCC (Water Pollution Control Centres) - Hauled Liquid Waste Acceptance Facility. The funding in 2008 and 2009 will be used to design and construct upgraded hauled liquid waste acceptance facilities at the North End Water Pollution Control Centres and include provisions for landfill leachate acceptance at the NEWPCC. Construction of this part of the project commenced in 2010.

The design consultant for the SEWPCC BNR Upgrade has recommended the closure of the South End Septage facility. The North end site will be expanded for the additional traffic.

To improve truck entry and exit security within the NEWPCC it is proposed to add an additional receiving/handling capacity to the NEWPCC Hauled Liquid Waste Acceptance Facility in 2013. This facility will then maintain all truck traffic outside the secure fenced perimeter of the NEWPCC.

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.

Funding in 2013 includes a re-budgeted amount from previously approved Capital Budget.

Project Name: **WPCC - Reliability Upgrades**

Department: Water and Waste
Project: 20300005yy

Capital Priority Rating: 5 - 4
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 19,358 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 2,000 | 22,000 | 27,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 2,000 | 22,000 | 27,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 2,000 | - | 27,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 2,000 | | 27,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

A risk and criticality assessment of the City's three water pollution control centres has been undertaken. The assessment outlined required improvements to the existing systems to increase their reliability. The program will address the improvements which affect mechanical, electrical, and structural components at all three water pollution control centres.

Asset review and condition assessment is an ongoing program. This program will continue to address risk and criticality 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

Capital Priority Rating: 5 - 2
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 400 | - | 400 | - | 400 | - | 800 | 1,200 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 400 | | 400 | | 400 | | 800 | 1,200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | - | 400 | - | 400 | - | - | 1,200 |
| Financed by: | | | | | | | | |
| Retained Earnings | 400 | | 400 | | 400 | | | 1,200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Various WPCC buildings require re-roofing because the existing roofing has exceeded their functional life and are 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 undergoing 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: **Biosolids - Alternative Disposal Delivery and Management System**

Department: Water and Waste
Project: 203110004B

Capital Priority Rating: 5 - 3
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 14,644 | 30,000 | 5,000 | 70,000 | 41,000 | 5,000 | - | 121,000 | 151,000 |
| Financed by: | | | | | | | | | |
| Environmental Projects Reserve | | 6,142 | 2,957 | 219 | 2,655 | 5,000 | | 10,831 | 16,973 |
| Retained Earnings | | 4,000 | 2,043 | 2,957 | | | | 5,000 | 9,000 |
| External Debt | | 19,858 | | 66,824 | 38,345 | | | 105,169 | 125,027 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 30,000 | 5,000 | 70,000 | 41,000 | 5,000 | - | - | 151,000 |
| Financed by: | | | | | | | | |
| Environmental Projects Reserve | 6,142 | 2,957 | 219 | 2,655 | 5,000 | | | 16,973 |
| Retained Earnings | 4,000 | 2,043 | 2,957 | | | | | 9,000 |
| External Debt | 19,858 | | 66,824 | 38,345 | | | | 125,027 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 an alternate biosolids management program as a result of the Provincial Nutrient Management Regulation.

The current WINGRO 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 recently completed Biosolids Master Plan Study identified potential options, costs and timeframes to implement a new biosolids management program to comply with the Nutrient Management Regulations. Funds included are for engineering design and construction of an alternative to the existing WINGRO program.

The City of Winnipeg will be implementing an alternative project delivery method for the Nutrient Removal/Upgrade project for the SEWPCC and NEWPCC, as well as an alternative Biosolids Management Program. As such, the Capital Budget needs and cash flow may need to be altered in the future, depending on how the projects are delivered.

The expected life of the facility is 50 years and the expected life of the mechanical components is 25 years.

Project Name: **Environmental Impact Statement and Public Hearings**

Department: Water and Waste
Project: 20340003yy

Capital Priority Rating: 5 - 4
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 100 | 100 | 100 | 100 | 100 | 100 | 500 | 600 |
| Financed by: | | | | | | | | | |
| Environmental Projects Reserve | | 100 | 100 | 100 | 100 | 100 | 100 | 500 | 600 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | 100 | 100 | 100 | 100 | 100 | - | 600 |
| Financed by: | | | | | | | | |
| Environmental Projects Reserve | 100 | 100 | 100 | 100 | 100 | 100 | | 600 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Upon completion of the 2003 Clean Environment Commission (CEC) regulatory hearings, it has been recommended and the Province has adopted that further regulatory reviews be undertaken in two (2) years and then every three (3) years thereafter.

Ongoing works to satisfy regulatory requirements will require documentation, monitoring, and support to demonstrate that the successful implementation of projects relating to the CEC recommendations, required as a condition of tripartite funding, are meeting compliance conditions.

Budgeted funds are for environmental assessment related studies/reports, public participation, regulatory liaison, site-specific assessments, monitoring and analysis, and future representation at hearings expected to the 2015 horizon.

* 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

Capital Priority Rating: 5 - 4
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 21,214 | 12,000 | 40,000 | 130,000 | 100,000 | 100,000 | 98,236 | 468,236 | 480,236 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 12,000 | 27,350 | 41,600 | 20,000 | | | 88,950 | 100,950 |
| External Debt | | | 12,650 | 88,400 | 80,000 | 100,000 | 98,236 | 379,286 | 379,286 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 12,000 | 40,000 | 130,000 | 100,000 | 100,000 | 98,236 | - | 480,236 |
| Financed by: | | | | | | | | |
| Retained Earnings | 12,000 | 27,350 | 41,600 | 20,000 | | | | 100,950 |
| External Debt | | 12,650 | 88,400 | 80,000 | 100,000 | 98,236 | | 379,286 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Upon completion of the 2003 Clean Environment Commission Regulatory Hearings regarding the review of the wastewater treatment plants, it was learned that nutrient control for all three Pollution Control Centres is a high priority for the Province of Manitoba. The main concerns relate to excess nutrients (nitrogen (N) and phosphorus (P)) introduced to Lake Winnipeg contributing to undesirable blooms of blue-green algae.

Environment Act Licences have been issued for all three plants requiring a final effluent with total P and N concentrations of about 1 mg/L and 15 mg/L, respectively. The upgrade requirements for ammonia and/or nutrient reduction at the wastewater treatment plants must be considered jointly. 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. Due to the timing and magnitude of the costs, a portion of the project will need to be debt financed if it is to be implemented within the next ten years.

The impact of changes in sludge quantity and quality resulting from a NR process upgrades will have a large impact on solids handling and land applications. The addition of wet weather treatment processes associated with combined sewer overflow (CSO) control must be considered in the overall NR process design and operation effluent disinfection for wet weather.

The current funding requirement is based on planning level assessments and are subject to a great deal of uncertainty. These funding requirements will be updated as engineering progresses.

The City of Winnipeg will be implementing an alternative project delivery method for the Nutrient Removal/Upgrade project for the SEWPCC and NEWPCC, as well as an alternative Biosolids Management Program. As such, the Capital Budget needs and cash flow may need to be altered in the future, depending on how the projects are delivered.

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.

Funding in 2013, 2014 and 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

Capital Priority Rating: 5 - 4
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 203,250 | - | 44,000 | 13,000 | 12,500 | - | - | 69,500 | 69,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 44,000 | 13,000 | 12,500 | | | 69,500 | 69,500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 44,000 | 13,000 | 12,500 | - | - | - | 69,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 44,000 | 13,000 | 12,500 | | | | 69,500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Upon completion of the 2003 Regulatory Hearings of the Clean Environment Commission regarding license review of the wastewater treatment plants, it was learned that nutrient control and ammonia toxicity reduction for all three Pollution Control Centres is a high priority for the Province of Manitoba. The main concern relates to the excess nutrients (nitrogen (N) and phosphorus (P)) introduced to Lake Winnipeg, the associated blooms of algae, and the chronic toxicity of ammonia to aquatic life under low flow conditions.

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.

An increase to the project cost estimate is to account for construction inflation that has accrued since inception of the capital estimate to 2012, which is when the South End Sewage Treatment Environmental Act License was finalized and issued to the City of Winnipeg. When the conceptual engineering plan is completed a more detailed project schedule and cost estimate will be available.

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: **Arc Flash Hazard Analysis and Remediation**

Department: Water and Waste
Project: 20300018yy

Capital Priority Rating: 5 - 3
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,050 | 300 | 250 | - | - | - | - | 250 | 550 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 300 | 250 | | | | | 250 | 550 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | 250 | - | - | - | - | - | 550 |
| Financed by: | | | | | | | | |
| Retained Earnings | 300 | 250 | | | | | | 550 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

As part of the Canadian Standards Association Occupational Health and Safety program a new standard entitled Electrical Safety for Industry (CSA Z462) will be 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 provide procurement of personal protective equipment and training. This is in preparation for compliance of the inclusion of arc flash requirements in the Electrical Code.

The expected life of asset is 50 years.

Funding in 2013 and 2014 includes re-budgeted amounts from previously approved Capital Budgets.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Lift Stations Upgrading**

Department: Water and Waste
Project: 20350001yy

Capital Priority Rating: 5 - 4
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,500 | 1,500 | 1,000 | 1,000 | 1,000 | 750 | 5,250 | 6,750 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,500 | 1,500 | 1,000 | 1,000 | 1,000 | 750 | 5,250 | 6,750 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | 1,500 | 1,000 | 1,000 | 1,000 | 750 | - | 6,750 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,500 | 1,500 | 1,000 | 1,000 | 1,000 | 750 | | 6,750 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

This project is part of a continuing program for mitigating hydraulic, structural, safety, odour, aesthetic problems, and capacity assessments as required for the 73 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: **Cockburn Lift Station Upgrades to Facilitate Fort Rouge Yards Development**

| | | | |
|---|---|---|---|
| Department: | Water and Waste | Capital Priority Rating: | 5 - 4 |
| Project: | 20350005yy | Service: | Wastewater |
| | | OurWinnipeg: | Environment |

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | - | - | - | 2,000 | - | - | 2,000 | 2,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | 2,000 | | | 2,000 | 2,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 2,000 | - | - | - | 2,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | 2,000 | | | | 2,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The existing Cockburn combined sewer lift station is at its operating capacity. The proposed Bus Rapid Transit (BRT) and Fort Rouge Yards (FRY) Development may result in additional dry and wet weather flows to this station. To reliably convey all dry weather flows to the wastewater treatment plants without risk of dry weather overflows, and maintaining sufficient wet weather flow capacity to protect against basement flooding, the station may require significant structural, mechanical and electrical upgrades.

The extent of the upgrades will be determined after development plans have been established and the sewer relief works in the Cockburn and Calrossie Combined Sewer Districts have been designed.

The expected life of the structure is 50 years, and 25 years for the electrical and mechanical components.

Project Name: **Fernbank Interceptor**

Department: Water and Waste
Project: 2037001116

Capital Priority Rating: 5 - 2
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 8,000 | - | - | 8,000 | 8,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | 8,000 | | | 8,000 | 8,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 8,000 | - | - | - | 8,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | 8,000 | | | | 8,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 Avenue.

The expected life of this asset is 75 years.

Project Name: **Warde Interceptor Extension**

Department: Water and Waste
Project: 2037000516

Capital Priority Rating: 5 - 2
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 3,200 | - | - | 3,200 | 3,200 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | 3,200 | | | 3,200 | 3,200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 3,200 | - | - | - | 3,200 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | 3,200 | | | | 3,200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 Royalwoods subdivision.

The expected life of this asset is 75 years.

Project Name: **Plessis Road Interceptor**

Department: Water and Waste
Project: 2037001317

Capital Priority Rating: 5 - 2
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 5,500 | - | 5,500 | 5,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 5,500 | | 5,500 | 5,500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 5,500 | - | - | 5,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 5,500 | | | 5,500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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

Capital Priority Rating: 5 - 2
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 4,000 | - | 4,000 | 4,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 4,000 | | 4,000 | 4,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 4,000 | - | - | 4,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 4,000 | | | 4,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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: **River Crossings Monitoring and Rehabilitation**

Department: Water and Waste
Project: 2037500xyy

Capital Priority Rating: 5 - 4
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 1,300 | - | 1,300 | - | 1,300 | 3,900 | 3,900 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 1,300 | | 1,300 | | 1,300 | 3,900 | 3,900 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,300 | - | 1,300 | - | 1,300 | - | 3,900 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 1,300 | | 1,300 | | 1,300 | | 3,900 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

This project is for the rehabilitation and/or replacement of forcemain river crossings and for the installation of leak detection equipment on the existing waterway crossings.

The Department has completed a risk assessment of all river crossings in order to determine a prioritization plan to upgrade and replace any at risk river crossings as required by Environmental Act Licences issued by the Province of Manitoba for the wastewater collection system in the City of Winnipeg.

These funds will also be used to install continuous leak detection monitoring equipment at all river crossings as required by the Provincial Environmental Act License. The Department is currently undertaking a pilot program to evaluate and determine methods to meet this requirement.

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

Project Name: **Sewer System Isolation in Areas Protected by Secondary Dikes**

Department: Water and Waste
Project: 20300002yy

Capital Priority Rating: 3 - 3
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | - | - | 1,000 | 1,000 | - | - | 2,000 | 2,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | 1,000 | 1,000 | | | 2,000 | 2,000 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,000 | 1,000 | - | - | - | 2,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | 1,000 | 1,000 | | | | 2,000 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

This project involves isolating the sewer system in areas protected by secondary dikes from the remainder of the sewer system behind the primary dikes. This will involve one of three types of work for different locations:

1. Installation of gate valves on the house sewer connection;
2. Installation of sump pits and pumps and backwater valves in each property; or,
3. Installation of parallel sewer mains in streets.

The purpose of installing these works is to prevent complete flooding of a sewer district behind a primary dike should a secondary dike breach occur and flood the properties between the secondary and primary dikes.

The expected life of this asset is 50 years.

Project Name: **Wastewater Collection System Buildings Re-Roofing**

Department: Water and Waste
Project: 20300024yy

Capital Priority Rating: 5 - 4
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | - | - | 300 | - | - | 100 | 400 | 400 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | 300 | | | 100 | 400 | 400 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 300 | - | - | 100 | - | 400 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | 300 | | | 100 | | 400 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Various wastewater collection system buildings require re-roofing because their existing roofing has exceeded their functional life and are 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 undergoing 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.

Project Name: **Wastewater Collection System Reliability**

Department: Water and Waste
Project: 20300023yy

Capital Priority Rating: 5 - 4
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | 400 | - | 400 | - | - | - | 400 | 800 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 400 | | 400 | | | | 400 | 800 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | - | 400 | - | - | - | - | 800 |
| Financed by: | | | | | | | | |
| Retained Earnings | 400 | | 400 | | | | | 800 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The program addresses the wastewater collection system requirement to improve the reliability of the system in the case of naturally occurring events, such as floods and storms, or major equipment failure. An example of a major expense required from this budget is the purchase of a mobile generator large enough to power significant temporary pumping, a collection system lift station, or other work place electrical needs.

The expected life of this asset is 20 years.

Project Name: **Water and Waste Department GIS Enhancement Program**

Department: Water and Waste
Project: 20400003yy

Capital Priority Rating: 5 - 2
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 100 | 100 | 100 | 100 | 100 | 100 | 500 | 600 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 100 | 100 | 100 | 100 | 100 | 100 | 500 | 600 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | 100 | 100 | 100 | 100 | 100 | - | 600 |
| Financed by: | | | | | | | | |
| Retained Earnings | 100 | 100 | 100 | 100 | 100 | 100 | | 600 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

Project Name: **Inflow / Infiltration / Cross-Connection Study and Mitigation**

Department: Water and Waste
Project: 20410001yy

Capital Priority Rating: 3 - 3
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,443 | 500 | 500 | 3,000 | - | 1,500 | - | 5,000 | 5,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 500 | 500 | 3,000 | | 1,500 | | 5,000 | 5,500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 500 | 3,000 | - | 1,500 | - | - | 5,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 500 | 500 | 3,000 | | 1,500 | | | 5,500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

This project involves locating and identifying sources of extraneous inflow and infiltration (I&I) entering the wastewater sewer system, and implementing mitigative measures to reduce the I&I such that wet weather flows to wastewater treatment plants are minimized, basement flood protection is improved during high river levels and emergency discharges are minimized.

Extraneous inflows from groundwater, snowmelt, and rainfall events place an additional stress on the wastewater treatment plants that can result in reduced life expectancy of equipment and/or accelerate the need for wastewater treatment plant expansion. Minimizing extraneous inflows will reduce these additional stresses, prolong equipment life, and postpone facility expansion. Areas of the City will also be identified where land drainage sewer system cross-connections may exist with the wastewater sewer system that can be significant sources of I&I under high river levels or wet weather.

In addition to this, as of 1990, new homes are required to have sump pumps and pits to collect foundation drainage and then discharge this clean water onto the home owners land. The intent was to remove this large source of extraneous flow from reaching the wastewater treatment plants. It has been found, however, that some home owners have illegally connected sump pumps to their wastewater sewer service. Areas where large sources of extraneous I&I are suspected will be investigated. Appropriate technical measures including public education and communication will be initiated to rectify this situation.

The expected life of this asset is 50 years.

Project Name: **Grease Trap Licencing Application**

Department: Water and Waste
Project: 2040000713

Capital Priority Rating: 3 - 2
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 260 | - | - | - | - | - | - | 260 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 260 | | | | | | - | 260 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 260 | - | - | - | - | - | - | 260 |
| Financed by: | | | | | | | | |
| Retained Earnings | 260 | | | | | | | 260 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Grease traps or grease interceptors, separate fats, cooking oil, and grease from wastewater before it enters the wastewater collection system. High viscosity fats and cooking greases, commonly referred to as F.O.G., (fats, oil and greases) solidify when cooled and if allowed to enter the wastewater collection system can obstruct flows within the system, potentially causing sewer back-up. This project will develop a business application to allow the Water and Waste Department to track, regulate, and report on Commercial and Industrial Grease Trap licences.

The estimated life of this asset is 10 years.

* * Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Wastewater Hauling Automation**

Department: Water and Waste
Project: 2040001014

Capital Priority Rating: 3 - 2
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 500 | - | - | - | - | 500 | 500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 500 | | | | | 500 | 500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 500 | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 500 | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Wastewater haulers transport sewage via trucks to Wastewater Treatment plants for treatment or disposal. This project will implement a mobile software solution that will be used by wastewater haulers to submit company and payload information. This application will replace the distribution of paper ticket books to wastewater haulers and apply quality control to the information submitted by haulers thereby reducing the need to follow up with haulers for missing information.

The estimated life of this asset is 10 years.

* * Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Oracle Work Asset Management System Upgrade**

Department: Water and Waste
Project: 2040000113

Capital Priority Rating: 5 - 3
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 135 | - | - | - | - | - | - | 135 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 135 | | | | | | - | 135 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 135 | - | - | - | - | - | - | 135 |
| Financed by: | | | | | | | | |
| Retained Earnings | 135 | - | | | | | | 135 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Oracle Work Asset Management (WAM) System upgrade consists of seeking professional services to update the WAM system to the supported software and infrastructure services levels to ensure continued stability for Water and Waste operations. The WAM upgrade adheres to the vendor support terms to ensure availability of their support services and entitlement of future software fixes and enhancements.

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 4 years where vendor software support will be available.

* * Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Laboratory Information Management System Upgrade**

Department: Water and Waste
Project: 20400008yy

Capital Priority Rating: 3 - 2
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 ** | 2015 ** | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 250 | 500 | 500 | - | - | - | 1,000 | 1,250 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 250 | 500 | 500 | | | | 1,000 | 1,250 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | 500 | 500 | - | - | - | - | 1,250 |
| Financed by: | | | | | | | | |
| Retained Earnings | 250 | 500 | 500 | | | | | 1,250 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 life cycle and cannot be further enhanced to keep abreast of new Canadian Association for Laboratory Accreditation Inc. (CALA) accreditation requirements. The lab needs to maintain its CALA accreditation in order to comply with the Environment Act Licenses 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.

* * Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Building Renovations - 1199 Pacific Avenue**

Department: Water and Waste
Project: 2030000813

Capital Priority Rating: 3 - 2
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 125 | - | - | - | - | - | - | 125 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 125 | | | | | | - | 125 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 125 | - | - | - | - | - | - | 125 |
| Financed by: | | | | | | | | |
| Retained Earnings | 125 | | | | | | | 125 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 divisions has resulted in a need to reconfigure the space.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

Project Name: **Utility Asset Management System**

Department: Water and Waste
Project: 20400009yy

Capital Priority Rating: 3 - 2
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,000 | 500 | - | - | - | - | 500 | 1,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,000 | 500 | | | | | 500 | 1,500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 500 | - | - | - | - | - | 1,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,000 | 500 | | | | | | 1,500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The following projects from the 2012 Capital Budget, Land Drainage Asset Management Strategy, Aqueduct Information Management System, Hydrant & Valve Operations Management Systems and Wastewater Collection System Asset Management Strategy have been combined into one project called the Utility Asset Management System.

Department asset management programs such as the Sewer Management System (SMS) and the Aqueduct Information Management System (AIMS) are at the end of their useful life, are becoming difficult to support and require replacement. Additional requirements have arisen such as a need for managing watermain assets, hydrants and valves and a Synergen/GIS interface. It is believed that all of these requirements can be addressed by a single IT solution such as a commercial off-the-shelf asset management program.

The work of this project will be to identify Department needs, procure an appropriate solution, modify to suit and implement across the Department.

The estimated life of this asset is 10 years.

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 (CSO) Management Strategy and Miscellaneous Mitigation**

Department: Water and Waste
Project: 20380001yy

Capital Priority Rating: 5 - 2
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 12,600 | 16,000 | 21,500 | 18,000 | 18,000 | 18,000 | 91,500 | 104,100 |
| Financed by: | | | | | | | | | |
| Environmental Projects Reserve | | 12,600 | 16,000 | 21,500 | 18,000 | 18,000 | 18,000 | 91,500 | 104,100 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 12,600 | 16,000 | 21,500 | 18,000 | 18,000 | 18,000 | - | 104,100 |
| Financed by: | | | | | | | | |
| Environmental Projects Reserve | 12,600 | 16,000 | 21,500 | 18,000 | 18,000 | 18,000 | | 104,100 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

It is the intent to create a multi-year combined sewer overflow mitigation program that integrates with other major sewer programs, including:

- Basement flooding relief

- Sewer Condition Assessment and Condition Upgrading

- Pollution Control Centre Upgrading Programs

A Combined Sewer Overflow Master Implementation Plan will develop specific strategies for implementation that meet regulatory compliance. The plan will consider: 2003 Clean Environment Commission (CEC) Hearings recommendations; Manitoba Conservation Guidance and Priorities; Canadian Council of Ministers on the Environment (CCME) Municipal Effluent Strategy Guidelines; consistency with prevailing international practice; understanding of benefits and costs; fiscal responsibility and environmental stewardship; initiation of near-term actions to reduce CSO's; and confirmation of long-range control program.

The CEC has recommended that the City reduce the number of overflows to the local rivers within a 20 to 25 year timeframe.

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).

As more CSO's are diverted to the wastewater treatment plants, additional treatment will need to be added to process the wet weather flows to meet effluent limits set in Environment Act Licences issued for each plant.

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: **Sewer Renewals**

Department: Water and Waste
Project: 203900xxyy

Capital Priority Rating: 5 - 2
Service: Wastewater
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 14,600 | 15,300 | 16,100 | 16,900 | 17,800 | 18,200 | 84,300 | 98,900 |
| Financed by: | | | | | | | | | |
| Sewer System Rehabilitation Reserve | | 14,600 | 15,300 | 16,100 | 16,900 | 17,800 | 18,200 | 84,300 | 98,900 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 14,600 | 15,300 | 16,100 | 16,900 | 17,800 | 18,200 | - | 98,900 |
| Financed by: | | | | | | | | |
| Sewer System Rehabilitation Reserve | 14,600 | 15,300 | 16,100 | 16,900 | 17,800 | 18,200 | | 98,900 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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 a private wastewater sewer service within the public right-of-way under Section 37 of the Sewer By-Law.

* 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 Excavation**

Department: Water and Waste
Project: 20620004yy

Capital Priority Rating: 3 - 4
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,350 | 1,400 | 1,400 | 1,450 | 1,450 | 1,450 | 7,150 | 8,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,350 | 1,400 | 1,400 | 1,450 | 1,450 | 1,450 | 7,150 | 8,500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,350 | 1,400 | 1,400 | 1,450 | 1,450 | 1,450 | - | 8,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,350 | 1,400 | 1,400 | 1,450 | 1,450 | 1,450 | | 8,500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The remaining capacity at the Brady Road Resource Management Facility is approximately 100-150 years. The funding identified provides for annual cell excavations and related works to accommodate lateral expansion of the landfill. This involves excavating a below ground cell, constructing a natural clay or artificial liner and a leachate (landfill liquids) collection system at the base of the excavation. 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 cost of excavating and stockpiling excavated soil, constructing the liner, and installation of the leachate collection system, including associated engineering.

The expected life of this asset is 50 years.

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

Project Name: **Brady Road Resource Management Facility - Administration Building**

Department: Water and Waste
Project: 2062000313

Capital Priority Rating: 3 - 4
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 450 | 800 | - | - | - | - | - | - | 800 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 800 | | | | | | | 800 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | - | - | - | - | - | - | 800 |
| Financed by: | | | | | | | | |
| Retained Earnings | 800 | | | | | | | 800 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The Brady Road Resource Management Facility currently uses a modified 35-year old construction trailer as the site office, lunchroom, meeting room and training area. A 35-year old former scale building has been converted to washrooms, locker room and equipment shop. Given the age and condition of these buildings and the remaining site life for the Brady Road Resource Management Facility of 100 - 150 years, a new administration building is warranted.

Timing for commencement of this project was affected by the Comprehensive Integrated Waste Management Strategy (CIWMS), which was approved on October 19, 2011. In 2012 an opportunity arose to meet the equipment shop component of this project by partnering with Fleet Management in locating a heavy equipment servicing facility at the Brady Road Resource Management Facility at a cost of $450,000. The remaining Capital Budget of $900,000 was cancelled and is now being re-budgeted for use in the construction the site office, lunchroom, meeting room and training area component of this project.

The expected life of this asset is 30 years.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Summit Landfill Closure / Post-Closure**

Department: Water and Waste
Project: 2063000113

Capital Priority Rating: 3 - 3
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,926 | 400 | - | - | - | - | - | - | 400 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 400 | | | | | | | 400 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | - | - | - | - | - | - | 400 |
| Financed by: | | | | | | | | |
| Retained Earnings | 400 | | | | | | | 400 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

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: **Summit Landfill Leachate Collection Assessment**

Department: Water and Waste
Project: 2063000213

Capital Priority Rating: 3 - 3
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 200 | | | | | | | 200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Retained Earnings | 200 | | | | | | | 200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The existing leachate collection system at the former Summit Road Landfill site is over 20 years old. Similar leachate collection systems have been subjected to clogging problems in the past. It is important to keep this system functioning effectively to be able to keep leachate levels down and contained, therefore an assessment is required to determine the effectiveness of the system at the Summit Road Landfill. The funding proposed for 2013 will involve retaining an engineering consultant to conduct investigations at the site and provide a report on the condition of the leachate collection system and any rehabilitation work required. Funding for any rehabilitation work required as a result of the investigations will be included in future budgets.

Project Name: **Cadboro Road West Landfill Post-Closure Site Improvements**

Department: Water and Waste
Project: 2060000413

Capital Priority Rating: 3 - 4
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 150 | - | - | - | - | - | - | 150 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 150 | | | | | | | 150 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | - | - | - | - | - | - | 150 |
| Financed by: | | | | | | | | |
| Retained Earnings | 150 | | | | | | | 150 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The former Cadboro Road West Landfill will be bordered by a Manitoba Housing and Renewal Corporation (MHRC) development starting in 2013. The funding identified is for improvements for the site to be compatible with the new adjoining land use, which could include grading, drainage, landscaping or fencing.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Miscellaneous Land Acquisition**

| | | | |
|---|---|---|---|
| Department: | Water and Waste | Capital Priority Rating: | 3 - 2 |
| Project: | 20610001yy | Service: | Solid Waste Collection and Disposal |
| | | OurWinnipeg: | Environment |

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 300 | - | - | - | - | - | - | 300 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 300 | | | | | | | 300 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | - | - | - | - | - | - | 300 |
| Financed by: | | | | | | | | |
| Retained Earnings | 300 | | | | | | | 300 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

With the 33 closed landfills in the City, there are occasions when there is a benefit to acquiring lands in proximity of these sites to provide additional buffer zones to minimize any impacts on adjacent private lands. There are also occasions when acquiring land would be beneficial to minimize any impacts on adjacent private lands, monitoring, long term control, use, drainage works, or rehabilitation of landfill sites. The cost identified includes the cost of acquiring land with associated administration costs.

Previous estimates beyond 2012 have been updated based on revised estimates.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Closed Landfills Disposition Study**

Department: Water and Waste
Project: 2060000313

Capital Priority Rating: 3 - 3
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 200 | | | | | | | 200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Retained Earnings | 200 | | | | | | | 200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The funding identified provides for an update of the 1993 study, which examined the disposition of the 34 closed landfills in Winnipeg regarding; landfill gas, groundwater and surface water contamination risk, and leachate (landfill liquids) conditions. In addition, this project would examine potential opportunities for beneficial end use of presently unused sites and the cost/benefit of removing the refuse and restoring candidate sites to near natural conditions.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Leachate Treatment Study**

Department: Water and Waste
Project: 2060000513

Capital Priority Rating: 3 - 3
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 200 | | | | | | | 200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Retained Earnings | 200 | | | | | | | 200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The cost of treating leachate from the Brady Road Resource Management Facility and the three other closed landfills is projected to increase significantly over the next three years. This increase is due to an increase in the volume of leachate to be treated as well as an increase in treatment costs at the North End Water Pollution Control Centre. Options for leachate treatment which may lower the cost include the construction of a stand alone treatment plant, pre-treatment or treatment using constructed wetlands and aeration or other processes.

This study is required to determine whether alternative methods of treatment would present a positive business case when compared to the present treatment practices.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Brady Road Resource Management Facility - Drainage, Roadways and Site Improvements**

| | | | |
|---|---|---|---|
| Department: | Water and Waste | Capital Priority Rating: | 3 - 4 |
| Project: | 20620006yy | Service: | Solid Waste Collection and Disposal |
| | | OurWinnipeg: | Environment |

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,500 | 1,500 | 1,000 | - | - | - | - | 1,000 | 2,500 |
| Financed by: | | | | | | | | | |
| External Debt | | 1,500 | 1,000 | | | | | 1,000 | 2,500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | 1,000 | - | - | - | - | - | 2,500 |
| Financed by: | | | | | | | | |
| External Debt | 1,500 | 1,000 | | | | | | 2,500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | 56 | 111 | 107 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 56 | 111 | 107 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 56 | 111 | 107 |

An extensive review of the Brady Road Resource Management Facility site has been carried out as part of preparations for submitting an application for an Environment Act Licence for operation of the Brady Road Resource Management Facility site and leachate by the end of 2011.

This review has indicated the need for significant drainage, roadway and other site improvements such as litter control. In keeping with best practices for landfill operations, runoff from landfilled areas will be directed to storage and tested for acceptability for release. A wetlands treatment system will also be considered. 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 to enable redirection of trucks conveying clean fill and other bulk usable materials to stockpiling areas.

Costs include preliminary design/detailed design, construction, engineering, contingency and capital overheads.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Comprehensive Integrated Waste Management Strategy (CIWMS) - Consulting Support for System Transition**

| | | | |
|---|---|---|---|
| Department: | Water and Waste | Capital Priority Rating: | 3 - 4 |
| Project: | 20650008yy | Service: | Solid Waste Collection and Disposal |
| | | OurWinnipeg: | Environment |

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 ** | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | 400 | 200 | - | - | - | - | 200 | 600 |
| Financed by: | | | | | | | | | |
| Waste Diversion Reserve | | 400 | 200 | | | | | 200 | 600 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | 200 | - | - | - | - | - | 600 |
| Financed by: | | | | | | | | |
| Waste Diversion Reserve | 400 | 200 | | | | | | 600 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy (CIWMS). This project is to provide consultant services to support implementation of this plan, including the following projects/activities:

- Detail the site utilization plan for the Brady Road Resource Management Facility lands in consideration of the new diversion programs.
- Preparation of an independent report on landfill operations and environmental monitoring, for submission to Manitoba Conservation.
- Planning for long term system expansion needs including any additional Community Resource Recovery Centres.
- Completion of a Solid Waste Utility rate model.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **CIWMS - Community Resource Recovery Facilities (South and North)**

Department: Water and Waste
Project: 2065001013

Capital Priority Rating: 3 - 4
Service: Recycling and Waste Minimization
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 7,200 | - | - | - | - | - | - | 7,200 |
| Financed by: | | | | | | | | | |
| External Debt | | 7,200 | | | | | | | 7,200 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 7,200 | - | - | - | - | - | - | 7,200 |
| Financed by: | | | | | | | | |
| External Debt | 7,200 | | | | | | | 7,200 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 570 | 2,708 | 2,837 |
| External debt and finance charges | 162 | 319 | 308 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 732 | 3,027 | 3,145 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 732 | 3,027 | 3,145 |

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy (CIWMS). This project is part of that plan and consists of two facilities, one in south Winnipeg (at the Brady Road Resource Management Facility) and one at a site in north Winnipeg (Pacific Avenue, west of McPhillips).

These facilities will provide a drop-off location for small loads of recyclable materials and divertible delivered by residents for processing and/or transfer to markets and/or further processing facilities. 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 weigh, monitor, drop-off and charge for loads and the ability to haul away materials.

Costs include preliminary design/detailed design, construction, engineering, contingency and capital overheads.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **CIWMS - Community Resource Recovery Facilities (West and East)**

Department: Water and Waste
Project: 20650011yy

Capital Priority Rating: 3 - 2
Service: Recycling and Waste Minimization
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 6,800 | - | - | - | - | 6,800 | 6,800 |
| Financed by: | | | | | | | | | |
| External Debt | | | 6,800 | | | | | 6,800 | 6,800 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 6,800 | - | - | - | - | - | 6,800 |
| Financed by: | | | | | | | | |
| External Debt | | 6,800 | | | | | | 6,800 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | 570 | 2,708 |
| External debt and finance charges | | 153 | 301 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | 723 | 3,009 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 723 | 3,009 |

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy (CIWMS). This project is part of that plan and consists of two facilities, one in west Winnipeg and one at a site in east Winnipeg (locations to be determined).

These facilities will provide a drop-off location for small loads of recyclable materials and divertible delivered by residents for processing and/or transfer to markets and/or further processing facilities. 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 weigh, monitor, drop-off and charge for loads and the ability to haul away materials.

Costs include preliminary design/detailed design, construction, engineering, contingency and capital overheads.

Project Name: **CIWMS - Material Recycling Facility**

Department: Water and Waste
Project: 20650012yy

Capital Priority Rating: 3 - 3
Service: Recycling and Waste Minimization
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | 16,500 | - | - | - | - | 16,500 | 16,700 |
| Financed by: | | | | | | | | | |
| Waste Diversion Reserve | | 200 | | | | | | | 200 |
| External Debt | | | 16,500 | | | | | 16,500 | 16,500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 16,500 | - | - | - | - | - | 16,700 |
| Financed by: | | | | | | | | |
| Waste Diversion Reserve | 200 | | | | | | | 200 |
| External Debt | | 16,500 | | | | | | 16,500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | 372 | 730 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | 372 | 730 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | 372 | 730 |

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy (CIWMS).

This project is to provide a materials recycling facility at the Brady Road Resource Management Facility or other suitably industrially zoned property within Winnipeg, to properly process all residential recyclables and potentially some commercial materials (such as cardboard). The facility would consist of an all-weather building and yards with sorting and baling equipment and administrative office.

A study will be conducted to develop and consider; class estimate, complex for co-location with ICI, a review of need to licence or Notice of Alteration (NOA) on site, business case analysis and ownership model.

Costs include preliminary design/detail design, construction, land acquisition (if required), engineering, contingency and capital overheads.

Project Name: **CIWMS - Organics (Yard Waste) Composting Facility**

Department: Water and Waste
Project: 2065000613

Capital Priority Rating: 3 - 4
Service: Recycling and Waste Minimization
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,000 | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | | |
| Waste Diversion Reserve | | 500 | | | | | | - | 500 |
| External Debt | | 500 | | | | | | | 500 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Waste Diversion Reserve | 500 | | | | | | | 500 |
| External Debt | 500 | | | | | | | 500 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | 1,116 | 1,840 | 1,840 |
| External debt and finance charges | 11 | 22 | 21 |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | 1,127 | 1,862 | 1,861 |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | 1,127 | 1,862 | 1,861 |

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy (CIWMS). This project is part of that plan and consists of construction of a facility at the Brady Road Resource Management Facility to compost organic material from a residential yard waste collection program. The facility will consist of an all-weather traffic surface, a run-off retention basin and equipment necessary to carry out composting operations.

Work on this project commenced in 2012 with previously approved funding. The engineering conducted for this project has identified the need for additional funding to complete the facility.

Costs include preliminary design/detailed design, construction, engineering, contingency and capital overheads.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **CIWMS - Source Separated Organics**

Department: Water and Waste
Project: 20650009yy

Capital Priority Rating: 3 - 2
Service: Recycling and Waste Minimization
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | 400 | - | - | - | - | 400 | 600 |
| Financed by: | | | | | | | | | |
| Waste Diversion Reserve | | 200 | 400 | | | | | 400 | 600 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 400 | - | - | - | - | - | 600 |
| Financed by: | | | | | | | | |
| Waste Diversion Reserve | 200 | 400 | | | | | | 600 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy (CIWMS).

This project is to provide a composting facility at the Brady Road Resource Management Facility to process organic kitchen waste (source separated organics or SSO) collected from residential premises that could range from; an aerobic system the components of which would include: a material receipt area, a composting area, a finishing/storage area, drainage storage/control, as well as equipment for mixing, turning and screening the organics, to an anaerobic system, the components of which could include a material receipt area, an enclosed digester vessel/structure and a finishing/storage area. This project would also include the provision of automated organics (kitchen waste) collection carts to 187,000 households (entire single family households). Approval for organics carts will be requested based upon the pilot's finding.The estimated cost of organics carts is $11.4 million.

A study will be conducted to design collection pilot, determine ownership and procurement model, develop concept design, class estimate and business case. The findings from the pilot collection program in 2014 will help in determining the best means of collecting this material. Approval for full organics implementation will be requested based upon the pilot's finding. Costs for full implementation may be as high as $65 million depending on the recommended option.

The life of the carts is 20 years.

Project Name: **CIWMS - Garbage and Recycling Cart Asset Management**

Department: Water and Waste
Project: 2064000213

Capital Priority Rating: 3 - 3
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate ** | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | 300 | - | - | - | - | - | - | 300 |
| Financed by: | | | | | | | | | |
| Waste Diversion Reserve | | 300 | | | | | | - | 300 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | - | - | - | - | - | - | 300 |
| Financed by: | | | | | | | | |
| Waste Diversion Reserve | 300 | | | | | | | 300 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

Asset management principles are being utilized for various projects in Solid Waste Services. However, development of an asset management system is required to define goals, objectives, and strategies for the development and maintenance of a consistent and effective asset management program involving all functions of garbage and recycling carts. The asset management system will identify, prioritize, and establish the future direction of condition assessments, establish deterioration/life cycles for components, and recommend rehabilitation, maintenance, associated financial requirements and implementation.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **CIWMS - Provision of Automated Recycling and Garbage Collection Carts**

Department: Water and Waste
Project: 20650007yy

Capital Priority Rating: 3 - 4
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A* | - | 200 | - | 200 | - | 200 | 600 | 600 |
| Financed by: | | | | | | | | | |
| Waste Diversion Reserve | | | 200 | | 200 | | 200 | 600 | 600 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | - | 200 | - | 200 | - | 600 |
| Financed by: | | | | | | | | |
| Waste Diversion Reserve | | 200 | | 200 | | 200 | | 600 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | | | |
| **Total Direct Costs** | - | - | - |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | - | - | - |

The following projects from the 2012 Capital Budget, CIWMS - Provision of Automated Recycling Collection Carts and CIWMS - Provision of Automated Refuse Collection Carts have been combined into one project called CIWMS - Provision of Automated Recycling and Refuse Collection Carts.

On October 19, 2011, Winnipeg City Council approved the Comprehensive Integrated Waste Management Strategy (CIWMS). This project is part of that plan and consists of supplying automated recycling and refuse collection carts for newly built homes in future years. Funding support in the order of 80% is anticipated from Multi-Material Stewardship Manitoba.

The life of the carts is 20 years.

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

Project Name: **Golf Course Improvements**

Department: Winnipeg Golf Services
Project: 639xxxxx10

Capital Priority Rating: 1 - 3
Service: Golf Services (SOA)
OurWinnipeg: Recreation

| AUTHORIZATION | Previous Budgets | 2013 Estimate | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 715 | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | | |
| Cash to Capital | 69 | (23) | (23) | (23) | | | | (46) | (69) |
| Golf Course Reserve | 646 | 23 | 23 | 23 | | | | 46 | 69 |

| CASH FLOW | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Beyond 2018 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | - | - |
| Financed by: | | | | | | | | |
| Cash to Capital | (23) | (23) | (23) | | | | | (69) |
| Golf Course Reserve | 23 | 23 | 23 | | | | | 69 |

| NET OPERATING IMPACT ($000's) | 2013 | 2014 | 2015 |
|---|---|---|---|
| Operating costs | | | |
| External debt and finance charges | | | |
| Transfer to General Capital Fund | (23) | (23) | (23) |
| **Total Direct Costs** | (23) | (23) | (23) |
| Less: Incremental Revenue/Recovery | | | |
| **Net Cost/(Benefit)** | (23) | (23) | (23) |

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.

Back to Table of Contents

Winnipeg

**The City of Winnipeg**

# SERVICE BASED VIEW

## 2013
## Preliminary Capital Budget

**and**

## 2014 to 2018
## Five Year Forecast

**January 9, 2013**

# Table of Contents

**Summary of Capital Program ..... 4-1**

**Infrastructure Renewal and Public Works ..... 4-2**

**Protection and Community Services ..... 4-9**

**Property and Development ..... 4-11**

**Executive Policy ..... 4-13**

| CAPITAL PROJECTS SUMMARY<br>*SERVICED BASED VIEW*<br>*(in Thousands of $)* | PRELIMINARY CAPITAL<br>BUDGET<br>2013 | FORECAST<br>2014 | 2015 | 2016 | 2017 | 2018 | 2013-2018<br>TOTAL |
|---|---|---|---|---|---|---|---|
| INFRASTRUCTURE RENEWAL AND PUBLIC WORKS | | | | | | | |
| Roadway Construction and Maintenance | 105,935 | 74,264 | 60,583 | 70,823 | 70,854 | 77,294 | 459,753 |
| Transportation Planning and Traffic Management | 3,050 | 1,800 | 1,800 | 1,800 | 3,800 | 1,800 | 14,050 |
| City Beautification | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 7,800 |
| Land Drainage and Flood Control | 16,500 | 15,248 | 16,600 | 16,883 | 17,500 | 16,700 | 99,431 |
| Parks and Urban Forestry | 9,255 | 7,966 | 6,107 | 8,556 | 6,373 | 6,372 | 44,629 |
| Public Transit | 28,402 | 39,447 | 150,904 | 28,021 | 29,185 | 29,838 | 305,797 |
| Water | 35,880 | 32,910 | 27,850 | 32,400 | 29,450 | 30,850 | 189,340 |
| Wastewater | 87,495 | 137,950 | 262,900 | 210,600 | 158,900 | 138,786 | 996,631 |
| Solid Waste Disposal | 5,800 | 2,800 | 1,400 | 1,650 | 1,450 | 1,650 | 14,750 |
| Recycling and Waste Minimization | 8,600 | 23,700 | | | | | 32,300 |
| **Total Infrastructure Renewal and Public Works** | 302,217 | 337,385 | 529,444 | 372,033 | 318,812 | 304,590 | 2,164,481 |
| PROTECTION AND COMMUNITY SERVICES | | | | | | | |
| Police Response | 11,963 | 4,964 | 4,286 | 9,350 | 5,558 | 3,932 | 40,053 |
| Fire and Rescue Response | 5,000 | 858 | 5,000 | 4,000 | 4,000 | 3,160 | 22,018 |
| Recreation | 19,958 | 6,100 | 13,350 | 7,470 | 6,532 | 11,718 | 65,128 |
| Libraries | 8,241 | 7,283 | 8,060 | 1,400 | 2,968 | 8,022 | 35,974 |
| Arts, Entertainment and Culture | 12,626 | 14,764 | 9,703 | 11,463 | 11,007 | 6,618 | 66,181 |
| Insect Control | | | 1,250 | | | 1,000 | 2,250 |
| **Total Protection and Community Services** | 57,788 | 33,969 | 41,649 | 33,683 | 30,065 | 34,450 | 231,604 |
| PROPERTY AND DEVELOPMENT | | | | | | | |
| Neighbourhood Revitalization | 3,919 | 3,950 | 4,482 | 4,115 | 4,168 | 4,082 | 24,716 |
| Heritage Conservation | 550 | 200 | 200 | 200 | 200 | 270 | 1,620 |
| Cemeteries | 450 | 350 | 410 | 382 | 408 | 400 | 2,400 |
| Property Asset Management - Tax Supported | 500 | 200 | 300 | 500 | 420 | 384 | 2,304 |
| Property Asset Management - Municipal Accommodations | 5,950 | 3,969 | 4,250 | 2,966 | 4,331 | 4,078 | 25,544 |
| **Total Property and Development** | 11,369 | 8,669 | 9,642 | 8,163 | 9,527 | 9,214 | 56,584 |
| EXECUTIVE POLICY | | | | | | | |
| Organizational Support Services | 2,088 | 2,961 | 2,837 | 1,698 | 4,670 | 2,831 | 17,085 |
| Assessment, Taxation and Corporate | 550 | 250 | 750 | 500 | 350 | 320 | 2,720 |
| Council Services | 650 | 700 | 500 | 500 | 350 | 450 | 3,150 |
| **Total Executive Policy** | 3,288 | 3,911 | 4,087 | 2,698 | 5,370 | 3,601 | 22,955 |
| **TOTAL CAPITAL PROGRAM** | 374,662 | 383,934 | 584,822 | 416,577 | 363,774 | 351,855 | 2,475,624 |

Back to Service Based View
Table of Contents

| CAPITAL PROJECTS SUMMARY<br>*SERVICED BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 2013-2018 TOTAL |
|---|---|---|---|---|---|---|---|---|
| **CAPITAL PROJECTS LISTING** | | | | | | | | |
| **INFRASTRUCTURE RENEWAL AND PUBLIC WORKS** | | | | | | | | |
| **Roadway Construction and Maintenance** | | | | | | | | |
| ***Public Works*** | | | | | | | | |
| Recreational Walkways and Bike Paths - Various Locations | 3-1 | **500** | **500** | **500** | **500** | **500** | **500** | **3,000** |
| New Regional Sidewalks | 3-3 | **250** | **250** | **250** | **250** | **250** | **250** | **1,500** |
| Active Transportation Corridors | 3-4 | **500** | **500** | **500** | **500** | **500** | **500** | **3,000** |
| Developer Payback - Various Locations | 3-5 | | **3,000** | | | | | **3,000** |
| Tuxedo Yards Development | 3-6 | | **700** | **1,100** | **1,600** | **2,100** | **3,730** | **9,230** |
| Almey Avenue at Ravelston Avenue West - Closing | 3-10 | | **200** | | | | | **200** |
| Kenaston Blvd - Ness Avenue to Taylor Avenue<br>(formerly Kenaston Blvd - Academy Road to Taylor Avenue) | 3-11 | **100** | **100** | **5,100** | **100** | **100** | **100** | **5,600** |
| Panet Rd / Molson St Twinning - Munroe Ave to Grassie Blvd - First charge on 2013 Capital Budget of up to $400,000 (Council December 13, 2011)<br>Detailed design and construction Munroe to Concordia - $7 million | 3-12 | **7,400** | | | | | | **7,400** |
| Marion Street Widening / Grade Separation and Improvements - Rue Archibald to Lagimodiere Avenue - First charge on 2013 Capital Budget for the Functional Design Study for the Marion Widening/Grade Separation and Improvements of $1.25 million (Council July 18, 2012) | 3-13 | **1,250** | **5,000** | | | | | **6,250** |
| Polo Park - Infrastructure Improvements | 3-14 | **30,000** | | | | | | **30,000** |
| Regional and Local Street Renewal - First charge on 2013 Capital Budget (1) for Granular Roadways Improvement Program of $500,000 (Council May 30, 2012) and (2) for Local Street Renewal Program for the Reconstruction of Furby Street of $800,000 (Council July 18, 2012) | 3-15 | **50,427** | **43,870** | **43,433** | **45,573** | **55,104** | **53,814** | **292,221** |
| Waverley Street at CN Mainline (Rivers) Grade Separation | 3-18 | **1,200** | | | | | | **1,200** |
| Louise Bridge (Red River) | 3-19 | | **2,581** | | **2,000** | | | **4,581** |
| Fermor Avenue Bridge (Seine River) | 3-21 | | | | **500** | **700** | **6,800** | **8,000** |
| Saskatchewan Avenue Culvert (Sturgeon Creek) | 3-22 | | | | **1,000** | **1,000** | | **2,000** |
| Pembina Highway Underpass | 3-23 | | | | | | **6,000** | **6,000** |
| St. James Street Bridge (Omand's Creek) | 3-24 | **700** | **1,461** | | | | | **2,161** |
| Ness Avenue Culvert (Sturgeon Creek) | 3-25 | | **1,000** | **2,000** | **11,000** | | | **14,000** |
| Portage Avenue Bridge (Sturgeon Creek) | 3-26 | **700** | **5,000** | | | | | **5,700** |
| Saskatchewan Avenue Bridge (Omand's Creek) | 3-27 | | | **700** | **2,300** | | | **3,000** |
| Lyndale Drive - Retaining Wall Rehabilitation | 3-28 | | | **500** | **500** | **3,000** | | **4,000** |
| Osborne Street Underpass | 3-29 | | | **2,500** | | **2,500** | | **5,000** |
| Dublin Avenue Bridge (Omand's Creek) | 3-30 | | | | | | **500** | **500** |

| **CAPITAL PROJECTS SUMMARY** | **DETAIL** | **PRELIMINARY CAPITAL** | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ***SERVICED BASED VIEW*** | **PAGE** | **BUDGET** | **FORECAST** | | | | | **2013-2018** |
| *(in Thousands of $)* | **NO.** | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | **TOTAL** |
| Waterway Crossing and Grade Separations - Annual Program - First charge on 2013 Capital Budget of $2.2 million (Council March 21, 2012) for the Sturgeon Road Bridge Replacement | 3-31 | **3,200** | **2,000** | **2,000** | **3,000** | **3,000** | **3,000** | **16,200** |
| Waverley West Arterial Roads Project | 3-37 | **9,303** | **5,697** | | | | | **15,000** |
| Asset Management System - Various Divisions | 3-39 | **405** | **405** | | | **100** | **100** | **1,010** |
| ***Assessment and Taxation*** | | | | | | | | |
| Local Improvements - Ongoing Program | 3-52 | | **2,000** | **2,000** | **2,000** | **2,000** | **2,000** | **10,000** |
| ***Total Roadway Construction and Maintenance*** | | **105,935** | **74,264** | **60,583** | **70,823** | **70,854** | **77,294** | **459,753** |
| **Transportation Planning and Traffic Management** | | | | | | | | |
| ***Public Works*** | | | | | | | | |
| Transportation Master Plan | 3-7 | **100** | **250** | **250** | **250** | **250** | **250** | **1,350** |
| Traffic Signals Improvements | 3-8 | **150** | **150** | **150** | **150** | **150** | **150** | **900** |
| Traffic Engineering Improvements - Various Locations | 3-9 | **1,000** | **1,100** | **1,100** | **1,100** | **1,100** | **1,100** | **6,500** |
| CPR Yards Functional Crossing Study - between McPhillips Street and Main Street | 3-20 | **1,500** | | | | **2,000** | | **3,500** |
| Land Acquisition - Transportation Right of Way | 3-41 | **300** | **300** | **300** | **300** | **300** | **300** | **1,800** |
| ***Total Transportation Planning and Traffic Management*** | | **3,050** | **1,800** | **1,800** | **1,800** | **3,800** | **1,800** | **14,050** |
| **City Beautification** | | | | | | | | |
| ***Planning, Property and Development*** | | | | | | | | |
| Downtown Enhancement Program | 3-102 | **400** | **400** | **400** | **400** | **400** | **400** | **2,400** |
| Community Image and Neighborhood Main Streets | 3-103 | **400** | **400** | **400** | **400** | **400** | **400** | **2,400** |
| Public Art Strategy | 3-104 | **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** |

| **CAPITAL PROJECTS SUMMARY** | **DETAIL** | **PRELIMINARY CAPITAL** | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ***SERVICED BASED VIEW*** | **PAGE** | **BUDGET** | **FORECAST** | | | | | **2013-2018** |
| *(in Thousands of $)* | **NO.** | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | **TOTAL** |
| **Land Drainage and Flood Control** | | | | | | | | |
| ***Public Works*** | | | | | | | | |
| Land Drainage Sewers - Regional / Local Streets | 3-40 | **150** | **150** | **150** | **150** | **150** | **150** | **900** |
| ***Water and Waste*** | | | | | | | | |
| Stormwater Retention Basin Rehabilitation | 3-153 | **150** | | **400** | | **400** | | **950** |
| Flood Pumping Station Rehabilitation | 3-154 | **1,000** | **900** | **1,500** | **1,000** | **1,000** | **1,000** | **6,400** |
| Land Drainage and Combined Sewers Outfall Gate Structures | 3-155 | **1,150** | **700** | **1,300** | **1,400** | **1,300** | **1,500** | **7,350** |
| Floodplain Management | 3-156 | **100** | **100** | | **100** | | **100** | **400** |
| Seine River Waterway Acquisition | 3-157 | **150** | **150** | **150** | **150** | **150** | **150** | **900** |
| Primary Dike Upgrading | 3-158 | | | **900** | **900** | **1,500** | **1,500** | **4,800** |
| Land Drainage Safety Upgrading Program | 3-159 | **100** | | | | | | **100** |
| Land Drainage Utility Study and Implementation | 3-160 | | **500** | | | | | **500** |
| Permanent Flood Pumping Stations | 3-161 | **200** | | **200** | | **200** | | **600** |
| Land Drainage Supervisory Control and Data Acquisition (SCADA) System | 3-162 | **100** | **100** | | | | | **200** |
| Flood Manual Upgrades | 3-163 | **800** | **948** | | | | | **1,748** |
| Outfall Rehabilitation | 3-164 | **1,300** | **900** | **1,200** | **1,508** | **2,000** | **2,000** | **8,908** |
| Combined Sewer Flood Relief | 3-165 | **11,000** | **10,000** | **10,000** | **10,000** | **10,000** | **10,000** | **61,000** |
| Flood Relief Sewers - Separate | 3-166 | **300** | **300** | **300** | **300** | **300** | **300** | **1,800** |
| Development Agreement Paybacks | 3-167 | | **500** | **500** | **500** | **500** | | **2,000** |
| Fernbank Avenue Land Drainage Sewer | 3-168 | | | | **875** | | | **875** |
| ***Total Land Drainage and Flood Control*** | | **16,500** | **15,248** | **16,600** | **16,883** | **17,500** | **16,700** | **99,431** |

| CAPITAL PROJECTS SUMMARY<br>*SERVICED BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 2013-2018 TOTAL |
|---|---|---|---|---|---|---|---|---|
| **Parks and Urban Forestry** | | | | | | | | |
| ***Public Works*** | | | | | | | | |
| Reforestation - Improvements | 3-42 | **383** | **383** | **383** | **383** | **383** | **383** | **2,298** |
| Athletic Fields - Improvements | 3-43 | **200** | **200** | **124** | **200** | **200** | **200** | **1,124** |
| Parks - Improvements | 3-44 | **677** | **653** | **655** | **655** | **655** | **655** | **3,950** |
| Regional and Community Parks - Buildings | 3-45 | **200** | **1,500** | | **2,150** | | | **3,850** |
| Playground Structures | 3-46 | **1,800** | **1,800** | **1,800** | **1,800** | **1,800** | **1,800** | **10,800** |
| Hardsurface Upgrading | 3-47 | **150** | **150** | | **150** | **150** | **150** | **750** |
| Community Park Amenities | 3-48 | **1,500** | **1,500** | **1,500** | **1,500** | **1,500** | **1,500** | **9,000** |
| Dutch Elm Disease Strategy | 3-51 | **2,754** | | | | | | **2,754** |
| ***Planning, Property and Development*** | | | | | | | | |
| Riverbank Greenway Programs | 3-100 | **381** | **400** | **400** | **443** | **405** | **406** | **2,435** |
| Developer Payback | 3-106 | **210** | **380** | **245** | **275** | **280** | **278** | **1,668** |
| Riverbank Stabilization - Physical Asset Protection | 3-107 | **1,000** | **1,000** | **1,000** | **1,000** | **1,000** | **1,000** | **6,000** |
| ***Total Parks and Urban Forestry*** | | **9,255** | **7,966** | **6,107** | **8,556** | **6,373** | **6,372** | **44,629** |
| **Public Transit** | | | | | | | | |
| ***Transit*** | | | | | | | | |
| Innovative Transit Program | 3-146 | **800** | **800** | **800** | **1,000** | **1,000** | **1,000** | **5,400** |
| Transit Building Replacement / Refurbishment - First charge on 2013 Capital Budget of up to $2 million (Council March 21, 2012) | 3-147 | **9,936** | **12,415** | **5,495** | **4,506** | **4,523** | **4,171** | **41,046** |
| Transit Buses | 3-148 | **14,799** | **16,232** | **17,109** | **22,515** | **23,662** | **24,667** | **118,984** |
| P3 Consulting and Project Development - Southwest Rapid Transit Corridor - Stage 2 | 3-149 | **1,000** | | | | | | **1,000** |
| Southwest Rapid Transit Corridor - Stage 2 | 3-150 | | **10,000** | **127,500** | | | | **137,500** |
| Alternative Fuels Assessment | 3-151 | **200** | | | | | | **200** |
| Jubilee Rapid Transit Station | 3-152 | **1,667** | | | | | | **1,667** |
| ***Total Public Transit*** | | **28,402** | **39,447** | **150,904** | **28,021** | **29,185** | **29,838** | **305,797** |

| **CAPITAL PROJECTS SUMMARY** | **DETAIL** | **PRELIMINARY CAPITAL** | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ***SERVICED BASED VIEW*** | **PAGE** | **BUDGET** | **FORECAST** | | | | | **2013-2018** |
| *(in Thousands of $)* | **NO.** | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | **TOTAL** |
| **Water** | | | | | | | | |
| ***Water and Waste - Waterworks System*** | | | | | | | | |
| Shoal Lake Aqueduct and Falcon River Diversion Bridges | 3-169 | **1,000** | | | | | | **1,000** |
| Shoal Lake Aqueduct Asset Preservation | 3-170 | **800** | **800** | **500** | **500** | **500** | **1,000** | **4,100** |
| Shoal Lake Aqueduct Intake Facility Rehabilitation | 3-171 | **200** | **800** | **800** | **800** | **1,100** | **6,800** | **10,500** |
| Branch Aqueduct Condition Assessment and Rehabilitation | 3-172 | **1,500** | **500** | | | **1,000** | **1,000** | **4,000** |
| Branch I Aqueduct at Seine River - Riverbank Stabilization (east side) | 3-173 | **1,000** | | | | | | **1,000** |
| GWWD Railway Bridge Rehabilitation | 3-174 | **200** | **1,200** | | | | | **1,400** |
| Water Treatment Plant Upgrading | 3-175 | | **900** | | **5,000** | **5,000** | | **10,900** |
| Ultraviolet Light Disinfection Upgrade / Rehabilitation | 3-176 | | **400** | | **4,000** | | | **4,400** |
| Deacon Site Flood Protection | 3-177 | | **560** | | | | | **560** |
| Tache Booster Pumping Station | 3-178 | **3,000** | **1,800** | | | | | **4,800** |
| Pumping Stations Reliability Upgrades | 3-179 | | **1,900** | **500** | **1,200** | | | **3,600** |
| Pumping Stations and Reservoirs Structural Upgrades | 3-180 | **820** | **2,150** | | | **450** | **500** | **3,920** |
| Chlorination Upgrading at Pumping Stations | 3-181 | | | **700** | **800** | **800** | **450** | **2,750** |
| Water Supervisory Control and Data Acquisition (SCADA) Upgrade | 3-182 | | **1,000** | | | | | **1,000** |
| Waterworks System Security Upgrades | 3-183 | **500** | **500** | **500** | **500** | **500** | **500** | **3,000** |
| General Water Infrastructure Rehabilitation | 3-184 | | **500** | **500** | **1,000** | **1,000** | **1,000** | **4,000** |
| Regulatory Assessment of Water System Infrastructure and Supply Sources | 3-185 | | | **650** | | | | **650** |
| North End Water Pollution Control Centre (NEWPCC) - Environmental Standards Division Laboratory Facility Upgrading | 3-186 | **50** | **200** | | | | | **250** |
| Midtown Feedermain | 3-187 | **1,000** | | | | | | **1,000** |
| Saskatchewan Avenue Watermain | 3-188 | | | **4,400** | | | | **4,400** |
| Waverley West Feedermain | 3-189 | **6,800** | | | | | | **6,800** |
| Feedermain Condition Assessment and Rehabilitation | 3-190 | **1,500** | **1,500** | **1,500** | **1,500** | **1,500** | **1,500** | **9,000** |
| Public Water Outlets | 3-191 | **750** | **600** | **100** | | | | **1,450** |
| Meter Infrastructure Project | 3-192 | | **500** | | | | | **500** |
| Water and Waste Department GIS Enhancement Program | 3-193 | **100** | **100** | **100** | **100** | **100** | **100** | **600** |
| Safety Upgrades - Isolation Valves at Valve and Meter Pits | 3-194 | **150** | | **100** | | | | **250** |
| Oracle Work Asset Management System Upgrade | 3-195 | **135** | | | | | | **135** |
| Laboratory Information Management System Upgrade | 3-196 | **250** | **500** | **500** | | | | **1,250** |
| Building Renovations - 1199 Pacific Avenue | 3-197 | **125** | | | | | | **125** |
| Utility Asset Management System | 3-198 | **1,000** | **500** | | | | | **1,500** |
| Watermain Renewals | 3-199 | **15,000** | **16,000** | **17,000** | **17,000** | **17,500** | **18,000** | **100,500** |
| ***Total Water*** | | **35,880** | **32,910** | **27,850** | **32,400** | **29,450** | **30,850** | **189,340** |

| **CAPITAL PROJECTS SUMMARY** | **DETAIL** | **PRELIMINARY CAPITAL** | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ***SERVICED BASED VIEW*** | **PAGE** | **BUDGET** | **FORECAST** | | | | | **2013-2018** |
| *(in Thousands of $)* | **NO.** | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | **TOTAL** |
| **Wastewater** | | | | | | | | |
| ***Water and Waste - Sewage Disposal*** | | | | | | | | |
| Wastewater System Security Upgrades | 3-200 | **500** | **500** | **500** | **500** | **500** | | **2,500** |
| North End Water Pollution Control Centre (NEWPCC) - Main Building HVAC Replacement | 3-201 | **100** | **400** | | | | | **500** |
| NEWPCC - Raw Sewage Pump Replacement | 3-202 | **1,000** | **6,300** | | | | | **7,300** |
| NEWPCC - Secondary Clarifiers Refurbishment - First charge on 2013 Capital Budget of $350,000 (Council July 18, 2012) | 3-203 | **1,200** | | | | | | **1,200** |
| NEWPCC - Environmental Standards Division Laboratory Facility Upgrading | 3-204 | **50** | **200** | | | | | **250** |
| West End Water Pollution Control Centre (WEWPCC) - Settling Improvement | 3-205 | **250** | | | | | | **250** |
| Water Pollution Control Centres (WPCC) - Distributed Control System (DCS) and Human Machine Interface (HMI) Upgrades | 3-206 | **1,000** | | | | | | **1,000** |
| WPCC - Flood Mitigation | 3-207 | **200** | | | | | | **200** |
| WPCC - Hauled Liquid Waste Acceptance Facility | 3-208 | **3,925** | | | | | | **3,925** |
| WPCC - Reliability Upgrades | 3-209 | **5,000** | **5,000** | **5,000** | **5,000** | **5,000** | **2,000** | **27,000** |
| WPCC - Re-roofing | 3-210 | **400** | | **400** | | **400** | | **1,200** |
| Biosolids - Alternative Disposal Delivery and Management System | 3-211 | **30,000** | **5,000** | **70,000** | **41,000** | **5,000** | | **151,000** |
| Environmental Impact Statement and Public Hearings | 3-212 | **100** | **100** | **100** | **100** | **100** | **100** | **600** |
| NEWPCC - Nutrient Removal / Upgrade | 3-213 | **12,000** | **40,000** | **130,000** | **100,000** | **100,000** | **98,236** | **480,236** |
| South End Water Pollution Control Centre (SEWPCC) - Nutrient Removal / Expansion | 3-214 | | **44,000** | **13,000** | **12,500** | | | **69,500** |
| Arc Flash Hazard Analysis and Remediation | 3-215 | **300** | **250** | | | | | **550** |
| Lift Stations Upgrading | 3-216 | **1,500** | **1,500** | **1,000** | **1,000** | **1,000** | **750** | **6,750** |
| Cockburn Lift Station Upgrades to Facilitate Fort Rouge Yards Development | 3-217 | | | | **2,000** | | | **2,000** |
| Fernbank Interceptor | 3-218 | | | | **8,000** | | | **8,000** |
| Warde Interceptor Extension | 3-219 | | | | **3,200** | | | **3,200** |
| Plessis Road Interceptor | 3-220 | | | | | **5,500** | | **5,500** |
| Kenaston Boulevard Interceptor | 3-221 | | | | | **4,000** | | **4,000** |
| River Crossings Monitoring and Rehabilitation | 3-222 | | **1,300** | | **1,300** | | **1,300** | **3,900** |
| Sewer System Isolation in Areas Protected by Secondary Dikes | 3-223 | | | **1,000** | **1,000** | | | **2,000** |
| Wastewater Collection System Buildings Re-Roofing | 3-224 | | | **300** | | | **100** | **400** |
| Wastewater Collection System Reliability | 3-225 | **400** | | **400** | | | | **800** |
| Water and Waste Department GIS Enhancement Program | 3-226 | **100** | **100** | **100** | **100** | **100** | **100** | **600** |
| Inflow / Infiltration / Cross-Connection Study and Mitigation | 3-227 | **500** | **500** | **3,000** | | **1,500** | | **5,500** |
| Grease Trap Licensing Application | 3-228 | **260** | | | | | | **260** |
| Wastewater Hauling Automation | 3-229 | | **500** | | | | | **500** |
| Oracle Work Asset Management System Upgrade | 3-230 | **135** | | | | | | **135** |
| Laboratory Information Management System Upgrade | 3-231 | **250** | **500** | **500** | | | | **1,250** |

| **CAPITAL PROJECTS SUMMARY** | **DETAIL** | **PRELIMINARY CAPITAL** | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ***SERVICED BASED VIEW*** | **PAGE** | **BUDGET** | **FORECAST** | | | | | **2013-2018** |
| *(in Thousands of $)* | **NO.** | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | **TOTAL** |
| Building Renovations - 1199 Pacific Avenue | 3-232 | **125** | | | | | | **125** |
| Utility Asset Management System | 3-233 | **1,000** | **500** | | | | | **1,500** |
| Combined Sewer Overflow (CSO) Management Strategy and Miscellaneous Mitigation | 3-234 | **12,600** | **16,000** | **21,500** | **18,000** | **18,000** | **18,000** | **104,100** |
| Sewer Renewals | 3-235 | **14,600** | **15,300** | **16,100** | **16,900** | **17,800** | **18,200** | **98,900** |
| ***Total Wastewater*** | | **87,495** | **137,950** | **262,900** | **210,600** | **158,900** | **138,786** | **996,631** |
| **Solid Waste Collection and Disposal** | | | | | | | | |
| ***Water and Waste - Solid Waste*** | | | | | | | | |
| Brady Road Resource Management Facility - Cell Excavation | 3-236 | **1,350** | **1,400** | **1,400** | **1,450** | **1,450** | **1,450** | **8,500** |
| Brady Road Resource Management Facility - Administration Building | 3-237 | **800** | | | | | | **800** |
| Summit Landfill Closure / Post-Closure | 3-238 | **400** | | | | | | **400** |
| Summit Landfill Leachate Collection Assessment | 3-239 | **200** | | | | | | **200** |
| Cadboro Road West Landfill Post-Closure Site Improvements | 3-240 | **150** | | | | | | **150** |
| Miscellaneous Land Acquisition | 3-241 | **300** | | | | | | **300** |
| Closed Landfills Disposition Study | 3-242 | **200** | | | | | | **200** |
| Leachate Treatment Study | 3-243 | **200** | | | | | | **200** |
| Brady Road Resource Management Facility - Drainage, Roadways and Site Improvements | 3-244 | **1,500** | **1,000** | | | | | **2,500** |
| Comprehensive Integrated Waste Management Strategy (CIWMS) - Consulting Support for System Transition | 3-245 | **400** | **200** | | | | | **600** |
| CIWMS - Garbage and Recycling Cart Asset Management | 3-251 | **300** | | | | | | **300** |
| CIWMS - Provision of Automated Recycling and Garbage Collection Carts (formerly CIWMS - Provision of Automated Recycling Collection Carts) | 3-252 | | **200** | | **200** | | **200** | **600** |
| ***Total Solid Waste Collection and Disposal*** | | **5,800** | **2,800** | **1,400** | **1,650** | **1,450** | **1,650** | **14,750** |
| **Recycling and Waste Minimization** | | | | | | | | |
| ***Water and Waste - Solid Waste*** | | | | | | | | |
| CIWMS - Community Resource Recovery Facilities - (South and North) | 3-246 | **7,200** | | | | | | **7,200** |
| CIWMS - Community Resource Recovery Facilities - (West and East) | 3-247 | | **6,800** | | | | | **6,800** |
| CIWMS - Material Recycling Facility | 3-248 | **200** | **16,500** | | | | | **16,700** |
| CIWMS - Organics (Yard Waste) Composting Facility | 3-249 | **1,000** | | | | | | **1,000** |
| CIWMS - Source Separated Organics | 3-250 | **200** | **400** | | | | | **600** |
| ***Total Recycling and Waste Minimization*** | | **8,600** | **23,700** | | | | | **32,300** |
| **TOTAL INFRASTRUCTURE RENEWAL AND PUBLIC WORKS** | | **302,217** | **337,385** | **529,444** | **372,033** | **318,812** | **304,590** | **2,164,481** |

| CAPITAL PROJECTS SUMMARY<br>*SERVICED BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | FORECAST 2015 | FORECAST 2016 | FORECAST 2017 | FORECAST 2018 | 2013-2018 TOTAL |
|---|---|---|---|---|---|---|---|---|
| **PROTECTION AND COMMUNITY SERVICES** | | | | | | | | |
| **Police Response** | | | | | | | | |
| ***Winnipeg Police Service*** | | | | | | | | |
| Communications New Phone System | 3-70 | **1,490** | | | | | | **1,490** |
| Next Generation 911 | 3-71 | **1,900** | | | | | | **1,900** |
| Automated Fingerprint Identification System (AFIS) Replacement | 3-72 | | **321** | | | | | **321** |
| In Car Computing | 3-73 | **1,200** | | | | | | **1,200** |
| Officer Mobile Video System | 3-74 | | | | **1,000** | | | **1,000** |
| Trunk Radio System | 3-75 | | | | **7,200** | | | **7,200** |
| Radio Upgrade for Districts 3 and 4 | 3-76 | | | | **500** | | | **500** |
| Computer Assisted Dispatch | 3-77 | | | **2,000** | | | | **2,000** |
| Police Divisions Systems Upgrades | 3-78 | **1,273** | **3,743** | **2,286** | **400** | | | **7,702** |
| North Station Information Technology Requirements | 3-80 | | **500** | | | | | **500** |
| Winnipeg Police Headquarters Redevelopment | 3-84 | **5,600** | | | | | | **5,600** |
| Building Video Surveillance Systems | 3-86 | | | | | **4,000** | | **4,000** |
| Communication Centre Back Up Site Upgrade | 3-87 | | | | | **400** | | **400** |
| Card Access | 3-88 | | **400** | | | | | **400** |
| Mobile and Transient Users | 3-89 | | | | **250** | | | **250** |
| Intelligence Led Reporting (Phase 2) | 3-90 | | | | | | **1,050** | **1,050** |
| Major Case Management System Expansion | 3-91 | | | | | **1,158** | | **1,158** |
| Evidence Archiving | 3-92 | | | | | | **2,220** | **2,220** |
| Tech Crimes and TSU Storage System | 3-93 | **500** | | | | | | **500** |
| WPS Data Integration, Auditing and Quality Solution Tool | 3-94 | | | | | | **662** | **662** |
| ***Total Police Response*** | | **11,963** | **4,964** | **4,286** | **9,350** | **5,558** | **3,932** | **40,053** |
| **Fire and Rescue Response** | | | | | | | | |
| ***Fire Paramedic Service*** | | | | | | | | |
| Facilities Replacement and Relocation Program | 3-95 | **4,900** | **858** | **3,000** | | **4,000** | | **12,758** |
| Replacement Radio System | 3-96 | | | **2,000** | **4,000** | | | **6,000** |
| Addition and Renovation to Fire Paramedic Station #8 - 640 Kimberly Avenue | 3-97 | | | | | | **3,160** | **3,160** |
| Asset Management Program | 3-98 | **100** | | | | | | **100** |
| ***Total Fire and Rescue Response*** | | **5,000** | **858** | **5,000** | **4,000** | **4,000** | **3,160** | **22,018** |

| **CAPITAL PROJECTS SUMMARY** | **DETAIL** | **PRELIMINARY CAPITAL** | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ***SERVICED BASED VIEW*** | **PAGE** | **BUDGET** | **FORECAST** | | | | | **2013-2018** |
| *(in Thousands of $)* | **NO.** | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | **TOTAL** |
| **Recreation** | | | | | | | | |
| ***Community Services*** | | | | | | | | |
| Recreational Facility Safety and Accessibility Improvements Program | 3-58 | **400** | **500** | **500** | **600** | **600** | **612** | **3,212** |
| Business Application Systems | 3-60 | **250** | | | | **250** | **306** | **806** |
| Recreation Equipment Program | 3-61 | | | **400** | | **400** | | **800** |
| Technology Upgrade and Replacement Program | 3-62 | | **250** | | | | **306** | **556** |
| Recreation Facility Replacement - New Infrastructure | 3-63 | | | **7,100** | | | **3,150** | **10,250** |
| Recreation Refurbishment and Redevelopment Program - Existing Infrastructure | 3-64 | | | | **1,500** | | **2,040** | **3,540** |
| East Elmwood Community Centre - First charge on 2013 Capital Budget of up to $340,000 (Council December 13, 2011) | 3-65 | **1,800** | | | | | | **1,800** |
| Community Centre Renovation Incentive Grant Program (CCRIGP) | 3-66 | **803** | **965** | **965** | **965** | **965** | **965** | **5,628** |
| ***Municipal Accommodations*** | | | | | | | | |
| Community Centres - Refurbishing and Improvements | 3-119 | **500** | **700** | **700** | **700** | **620** | **644** | **3,864** |
| Arenas | 3-120 | **525** | **525** | **525** | **525** | **525** | **525** | **3,150** |
| Indoor Aquatic Facilities | 3-121 | **2,230** | **2,530** | **2,530** | **2,530** | **2,530** | **2,470** | **14,820** |
| Outdoor Aquatic Facilities | 3-122 | **350** | **330** | **330** | **350** | **342** | **340** | **2,042** |
| Community Facilities | 3-123 | **500** | **200** | **200** | **200** | **200** | **260** | **1,560** |
| UFF - Hockey Pen Light Standard Replacement | 3-125 | **100** | **100** | **100** | **100** | **100** | **100** | **600** |
| Recreation and Leisure Facilities | 3-128 | **7,000** | | | | | | **7,000** |
| Transcona Centennial Pool | 3-130 | **5,500** | | | | | | **5,500** |
| ***Total Recreation*** | | **19,958** | **6,100** | **13,350** | **7,470** | **6,532** | **11,718** | **65,128** |
| **Libraries** | | | | | | | | |
| ***Community Services*** | | | | | | | | |
| Library Interior Infrastructure Replacement Program (formerly Library Shelving and Furniture Replacement Program) | 3-54 | **800** | **500** | **500** | **200** | **600** | **606** | **3,206** |
| Library Facility Redevelopment - New Infrastructure (formerly Library Replacement - New Infrastructure) | 3-55 | **6,776** | **5,083** | **5,360** | | **1,168** | **6,192** | **24,579** |
| Library Refurbishment and Redevelopment Program - Existing Infrastructure (formerly Renovate and Refurbish Various Library Branches Program - Existing Infrastructure) | 3-56 | | **1,000** | **1,500** | **500** | **500** | **510** | **4,010** |
| Library Technology Upgrade and Replacement Program | 3-57 | **250** | **500** | **500** | **500** | **500** | **510** | **2,760** |
| Library Facility Safety and Accessibility Improvements Program (formerly Library Signage, Safety and Accessibility Program) | 3-59 | **200** | **200** | **200** | **200** | **200** | **204** | **1,204** |
| Improve Access to 765 Keewatin - Sir William Stephenson Library | 3-69 | **215** | | | | | | **215** |
| ***Total Libraries*** | | **8,241** | **7,283** | **8,060** | **1,400** | **2,968** | **8,022** | **35,974** |

| CAPITAL PROJECTS SUMMARY<br>*SERVICED BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 2013-2018 TOTAL |
|---|---|---|---|---|---|---|---|---|
| **Arts, Entertainment and Culture** | | | | | | | | |
| ***Community Services*** | | | | | | | | |
| Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability | 3-67 | **5,123** | **5,123** | **5,123** | **5,123** | **5,123** | **5,123** | **30,738** |
| Assiniboine Park Conservancy (APC) - Capital Development Plan - First charge on 2013 Capital Budget of up to $4.5 million (Council December 13, 2011) | 3-68 | **7,503** | **9,641** | **4,580** | **6,340** | **5,884** | **1,495** | **35,443** |
| ***Total Arts, Entertainment and Culture*** | | **12,626** | **14,764** | **9,703** | **11,463** | **11,007** | **6,618** | **66,181** |
| **Insect Control** | | | | | | | | |
| ***Public Works*** | | | | | | | | |
| Insect Control - Information System | 3-49 | | | **1,250** | | | | **1,250** |
| Insect Control - Replace 3 Grey Street Operations Building | 3-50 | | | | | | **1,000** | **1,000** |
| ***Total Insect Control*** | | | | **1,250** | | | **1,000** | **2,250** |
| **TOTAL PROTECTION AND COMMUNITY SERVICES** | | **57,788** | **33,969** | **41,649** | **33,683** | **30,065** | **34,450** | **231,604** |
| **PROPERTY AND DEVELOPMENT** | | | | | | | | |
| **Neighbourhood Revitalization** | | | | | | | | |
| ***Community Services*** | | | | | | | | |
| Community Incentive Grant Program | 3-53 | **1,569** | **1,600** | **1,632** | **1,665** | **1,698** | **1,732** | **9,896** |
| ***Planning, Property and Development*** | | | | | | | | |
| Building Communities Initiative II | 3-109 | **2,000** | **2,000** | **2,500** | | | | **6,500** |
| Building Communities Initiative III | 3-110 | | | | **2,100** | **2,120** | **2,000** | **6,220** |
| ***Municipal Accommodations*** | | | | | | | | |
| City-Wide Accessibility Program | 3-126 | **350** | **350** | **350** | **350** | **350** | **350** | **2,100** |
| ***Total Neighourhood Revitalization*** | | **3,919** | **3,950** | **4,482** | **4,115** | **4,168** | **4,082** | **24,716** |
| **Heritage Conservation** | | | | | | | | |
| ***Municipal Accommodations*** | | | | | | | | |
| Historic Buildings | 3-116 | **550** | **200** | **200** | **200** | **200** | **270** | **1,620** |
| ***Total Heritage Conservation*** | | **550** | **200** | **200** | **200** | **200** | **270** | **1,620** |

| **CAPITAL PROJECTS SUMMARY** | **DETAIL** | **PRELIMINARY CAPITAL** | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ***SERVICED BASED VIEW*** | **PAGE** | **BUDGET** | **FORECAST** | | | | | **2013-2018** |
| *(in Thousands of $)* | **NO.** | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | **TOTAL** |
| **Cemeteries** | | | | | | | | |
| ***Planning, Property and Development*** | | | | | | | | |
| Cemeteries - Improvements | 3-101 | **450** | **350** | **410** | **382** | **408** | **400** | **2,400** |
| ***Total Cemeteries*** | | **450** | **350** | **410** | **382** | **408** | **400** | **2,400** |
| **Property Asset Management - Tax Supported** | | | | | | | | |
| ***Planning, Property and Development*** | | | | | | | | |
| Computer Automation | 3-99 | **200** | **200** | | **200** | **120** | **144** | **864** |
| Land Acquisition for General Unspecified Purposes | 3-105 | **300** | | **300** | **300** | **300** | **240** | **1,440** |
| ***Total Property Asset Management - Tax Supported*** | | **500** | **200** | **300** | **500** | **420** | **384** | **2,304** |
| **Property Asset Management - Municipal Accommodations** | | | | | | | | |
| ***Municipal Accommodations*** | | | | | | | | |
| General Building Renovation and Refurbishing | 3-111 | **500** | **500** | **500** | **500** | **500** | **500** | **3,000** |
| Accommodation Facilities | 3-112 | **2,550** | **1,830** | **2,100** | **1,239** | **2,251** | **1,994** | **11,964** |
| Fire / Life Safety / Regulatory Upgrades | 3-113 | **525** | **1,014** | **725** | **625** | **710** | **720** | **4,319** |
| Energy Conservation | 3-114 | **150** | **200** | **100** | **100** | **150** | **140** | **840** |
| Tenant Improvement Prepayment - Major Department | 3-115 | | | **200** | **200** | **180** | **193** | **773** |
| Generator Set Replacement and Upgrades | 3-117 | **100** | | **200** | | **200** | **167** | **667** |
| Security / Building Automation System Initiatives | 3-118 | **225** | **225** | **225** | **140** | **188** | **201** | **1,204** |
| Building Asset / Work Management Program | 3-124 | **100** | **200** | **200** | **162** | **152** | **163** | **977** |
| Cooling Plant - Public Safety Building - 151 Princess Street | 3-127 | **1,800** | | | | | | **1,800** |
| ***Total Property Asset Management - Municipal Accommodations*** | | **5,950** | **3,969** | **4,250** | **2,966** | **4,331** | **4,078** | **25,544** |
| **TOTAL PROPERTY AND DEVELOPMENT** | | **11,369** | **8,669** | **9,642** | **8,163** | **9,527** | **9,214** | **56,584** |

| CAPITAL PROJECTS SUMMARY<br>*SERVICED BASED VIEW*<br>*(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL BUDGET 2013 | FORECAST 2014 | 2015 | 2016 | 2017 | 2018 | 2013-2018 TOTAL |
|---|---|---|---|---|---|---|---|---|
| **EXECUTIVE POLICY** | | | | | | | | |
| **Organizational Support Services** | | | | | | | | |
| ***Corporate Support Services*** | | | | | | | | |
| PeopleSoft | 3-136 | **580** | **395** | | | **2,500** | **1,000** | **4,475** |
| Communications Network Infrastructure | 3-137 | **245** | **500** | **275** | **375** | **525** | **230** | **2,150** |
| Enterprise Computing Initiatives | 3-138 | **265** | **717** | **515** | **585** | **844** | **801** | **3,727** |
| E-Government | 3-139 | **229** | **150** | **300** | **200** | **250** | **200** | **1,329** |
| Data Warehouse / Business Intelligence | 3-140 | **169** | **153** | **218** | **203** | **149** | **150** | **1,042** |
| 311 Renewal | 3-141 | **300** | **646** | **729** | **335** | **402** | **450** | **2,862** |
| PSB Fibre Relocate | 3-142 | **300** | | | | | | **300** |
| Teraspan Fibre Ring Renewal | 3-143 | | **400** | **800** | | | | **1,200** |
| ***Total Organizational Services*** | | **2,088** | **2,961** | **2,837** | **1,698** | **4,670** | **2,831** | **17,085** |
| **Assessment, Taxation and Corporate** | | | | | | | | |
| ***Assessment and Taxation*** | | | | | | | | |
| Assessment Automation | 3-144 | | | **750** | **500** | **350** | **320** | **1,920** |
| ***Corporate Finance*** | | | | | | | | |
| PeopleSoft Accounts Receivable and Billing | 3-145 | **550** | **250** | | | | | **800** |
| ***Total Assessment, Taxation and Corporate*** | | **550** | **250** | **750** | **500** | **350** | **320** | **2,720** |
| **Council Services** | | | | | | | | |
| ***City Clerks*** | | | | | | | | |
| Corporate Records Centre | 3-132 | | | | | **150** | | **150** |
| Election Systems | 3-133 | **150** | **200** | | | **200** | **200** | **750** |
| City Archives | 3-134 | **500** | **500** | **500** | **500** | | | **2,000** |
| DMIS Upgrades / Replacement | 3-135 | | | | | | **250** | **250** |
| ***Total Council Services*** | | **650** | **700** | **500** | **500** | **350** | **450** | **3,150** |
| **TOTAL EXECUTIVE POLICY** | | **3,288** | **3,911** | **4,087** | **2,698** | **5,370** | **3,601** | **22,955** |
| **TOTAL CAPITAL PROGRAM - SERVICE BASED VIEW** | | **374,662** | **383,934** | **584,822** | **416,577** | **363,774** | **351,855** | **2,475,624** |

Winnipeg

The City of Winnipeg

Back to Table of Contents

# Appendices

## 2013
## Preliminary Capital Budget

## and

## 2014 to 2018
## Five Year Forecast

# Table of Contents

Appendix 1: Capital Priority Rating System ..... 5-1
Appendix 2: Cost Estimation Classification System ..... 5-3
Appendix 3: Public Private Partnership Payments ..... 5-5
Appendix 4: Allocation of Prior Years' Surplus to the Capital Budget ..... 5-6
Appendix 5: Local Street Renewal Reserve ..... 5-7

# Appendix 1: Capital Priority Rating System

The purpose of the Priority System is to provide a set of criteria by which proposed spending programs can be ranked in order of priority on a City-wide basis over the whole range of City functions and activities.

The System recognizes two basic factors, namely, priority of function (priority grouping) and degree of priority (sub-group rating).

| Priority Groupings | | Priority Points Main | Sub |
|---|---|---|---|
| **A.** | **Vital Services**<br>Those basic elements of essential services which are vital to the day to day domestic, industrial, and commercial life of the City. Capital expenditures within this group would be related to:<br>1. Sewage Disposal Collection System and treatment facilities.<br>2. Water aqueduct reservoirs, pumping stations and trunk feedermains | 5 | |
| **B.** | **Essential Services**<br>Those basic services characterized by a high degree of public necessity, convenience and safety. Capital expenditures within this group would be related to:<br>1. Public Transportation<br>2. Fire and Police Protection<br>3. Garbage Collection and Disposal<br>4. Regional Street System<br>5. Land Drainage | 3 | |

| Priority Groupings | | Priority Points Main | Sub |
|---|---|---|---|
| **C.** | **Standard Services**<br>Those services which would reasonably be expected to be provided to all citizens of the City for their convenience and in accordance with generally accepted standards. Capital expenditures within this group would be related to:<br><br>1. Residential Street and Lane Construction (Local Improvements or other). | 2 | |
| **D.** | **Desirable Services**<br>Those services having an aesthetic social, cultural, educational or entertainment value. Capital expenditures within this group would be related to:<br><br>1. Parks and Related Facilities<br>2. Recreational Facilities<br>3. Libraries<br>4. Museums | 1 | |
| | **Sub-Group Rating** | | |
| | Could cause a serious imminent disruption of service (should be done without undue delay). | | 4 |
| | Would extend or complete the expected usefulness and/or reliability of a facility (should not be delayed for more than 1 year). | | 3 |
| | Would improve a facility which is at present sub-standard or approaching a high degree of obsolescence (should not be delayed for more than 2 years) | | 2 |
| | Would qualify as a minimum sustaining program - desirable but not absolutely essential (could be delayed for 3 years or more). | | 1 |
| **Note:** | A bonus of up to 2 points may be added to any of the subcategories 1 to 4 for projects that clearly contribute specifically to the City's declared development objectives. | | |

# Appendix 2: Cost Estimation Classification System

| **Class 5** | Typical estimate methodology is judgment and not predicted precisely.<br>(Concept Screening) | | |
|---|---|---|---|
| Level of Project Definition | 0 to 2% | Expected Accuracy | High: +30% to +100%<br>Low: -20% to -50% |

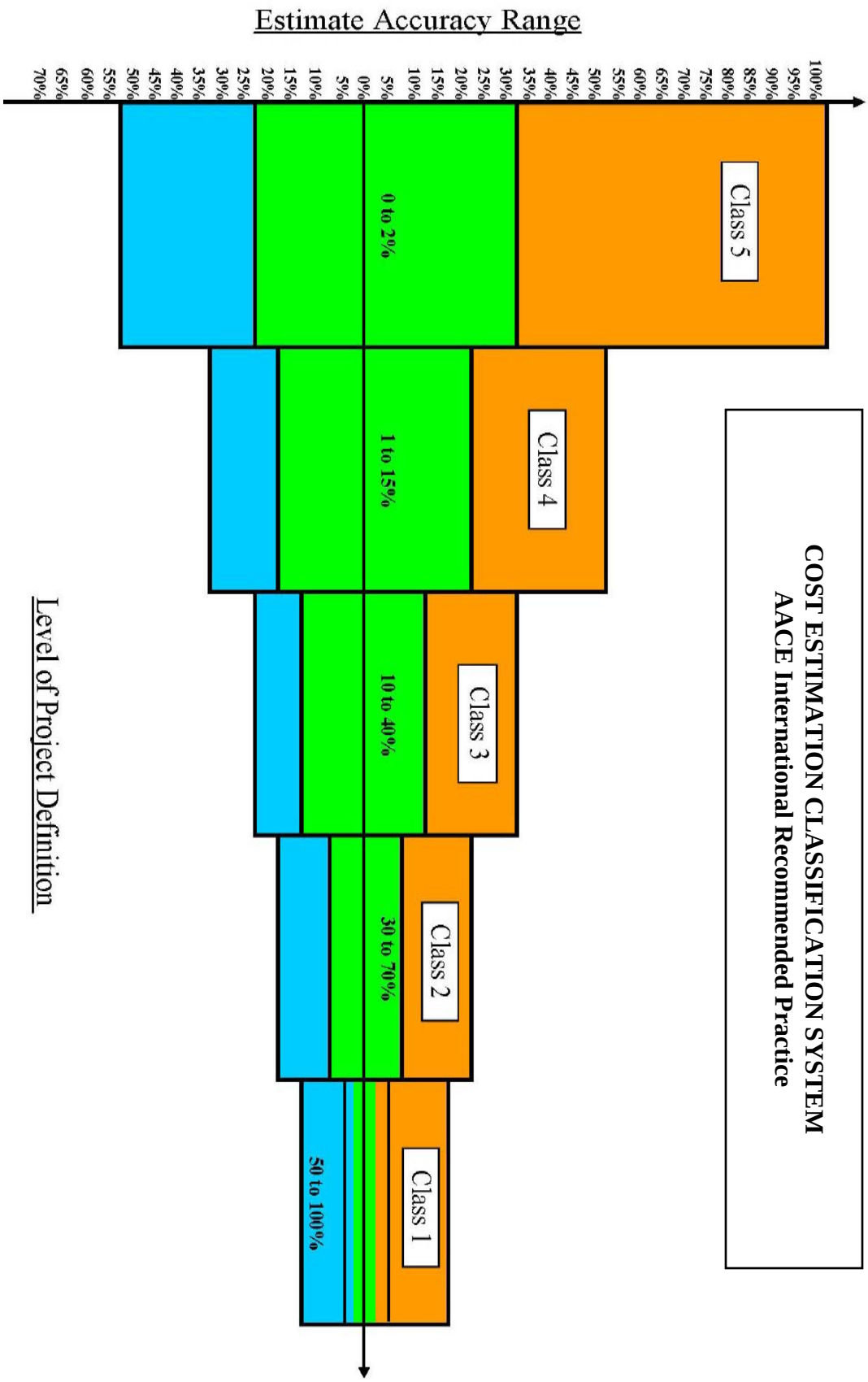
| **Class 4** | Typical estimate methodology primarily judgment.<br>(Concept Study or Feasibility) | | |
|---|---|---|---|
| Level of Project Definition | 1 to 15% | Expected Accuracy | High: +20% to +50%<br>Low: -15% to -30% |

| **Class 3** | Typical estimate methodology is a mixture of deterministic and judgment but primarily judgmental.<br>(Budget Authorization or Control) | | |
|---|---|---|---|
| Level of Project Definition | 10 to 40% | Expected Accuracy | High: +10% to +30%<br>Low: -10% to -20% |

| **Class 2** | Typical estimate methodology is primarily deterministic.<br>(Control or bid/tender) | | |
|---|---|---|---|
| Level of Project Definition | 30 to 70% | Expected Accuracy | High: +5% to +20%<br>Low: -5% to -15% |

| **Class 1** | Typical estimate methodology is deterministic.<br>(Check Estimate or bid / tender) | | |
|---|---|---|---|
| Level of Project Definition | 50 to 100% | Expected Accuracy | High: +3% to +15%<br>Low: -3% to -10% |

Based on Association for the Advancement of Cost Engineering (AACE) International Recommended Practice No. 17R-97 Cost Estimating Classification System


Estimate Accuracy Range
100% 95% 90% 85% 80% 75% 70% 65% 60% 55% 50% 45% 40% 35% 30% 25% 20% 15% 10% 5% 0% 5% 10% 15% 20% 25% 30% 35% 40% 45% 50% 55% 60% 65% 70%
Class 5
0 to 2%
Class 4
1 to 15%
Class 3
10 to 40%
Class 2
30 to 70%
Class 1
50 to 100%
Level of Project Definition
COST ESTIMATION CLASSIFICATION SYSTEM
AACE International Recommended Practice

# Appendix 3: Public Private Partnership Payments as a Percentage of Cash to Capital/Gas Tax

| (In thousands of dollars) | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|---|---|---|---|---|---|---|
| **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 | 18,645 | 18,550 | 18,480 | 18,400 | 18,325 | 18,250 |
| 3 Chief Peguis Trail - Henderson to Lagimodiere | 7,030 | 7,065 | 7,105 | 7,150 | 7,185 | 7,230 |
| 4 East District Police Station | 924 | 990 | 990 | 990 | 990 | 1,012 |
| 5 South District Police Station | 585 | 1,170 | 1,170 | 1,170 | 1,170 | 1,237 |
| 6 North District Police Station | | | 1,305 | 1,305 | 1,305 | 1,305 |
| Total | 28,662 | 29,253 | 30,528 | 30,493 | 30,453 | 30,512 |
| Less Manitoba Winnipeg Infrastructure Fund (2010 - 2019) | (5,000) | (5,000) | (5,000) | (5,000) | (5,000) | (5,000) |
| **Net Public Private Partnership Payments** | **23,662** | **24,253** | **25,528** | **25,493** | **25,453** | **25,512** |
| | | | | | | |
| **Financing Sources:** | | | | | | |
| 1 Cash to Capital | 71,478 | 73,478 | 75,478 | 77,478 | 79,478 | 81,478 |
| 2 Federal Gas Tax | 40,450 | 40,450 | 40,450 | 40,450 | 40,450 | 40,450 |
| **Total Cash to Capital and Gas Tax** | **111,928** | **113,928** | **115,928** | **117,928** | **119,928** | **121,928** |
| | | | | | | |
| **Payments as a Percentage of Cash to Capital and Gas Tax** | **21.14%** | **21.29%** | **22.02%** | **21.62%** | **21.22%** | **20.92%** |

Notes:

1 Public Private Partnership Payments include Annual Service/financing payments.

2 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.

3 Estimated amounts for planned Public Private Partnerships are subject to change based on the final procurement process.

4 The “Southwest Rapid Transit Corridor – Stage 2” capital project included in the 2014 capital forecast has not been included in the above-noted schedule as construction of this project will not commence until other partner funding is confirmed and a report on this is prepared and approved by Council. Should this project be approved as a public private partnership arrangement, the P3 policy will require review.

# Appendix 4: Allocation of Prior Years' Surplus to the Capital Budget

| Source (From) | Capital Project (To) | 2013 ($000's) | 2014 ($000's) | Total ($000's) |
|---|---|---|---|---|
| 2012 Federal Gas Tax | Regional and Local Street Renewal | 5,323 | 1,000 | 6,323 |
| 2011 Federal Gas Tax | Regional and Local Street Renewal | - | 1,377 | 1,377 |
| Corporate Non-Specified Capital Account | Regional and Local Street Renewal | 207 | - | 207 |
| Library Replacement - New Infrastructure | Assiniboine Park Conservancy - Infrastructure and Sustainability | 1,000 | - | 1,000 |
| Recreation and Leisure Facilities | Recreation and Leisure Facilities | 7,000 | - | 7,000 |
| Public Works Non-Specified Capital Account | Dutch Elm Disease Strategy | 1,404 | - | 1,404 |
| 2012 Winnipeg Police Service Communications Systems | Automated Fingerprint Identification System | - | 321 | 321 |
| **TOTAL** | | **14,934** | **2,698** | **17,632** |

# Appendix 5: Local Street Renewal Reserve

**Long Term Proposal for Sustainable Funding for the Renewal of Local Streets**

Currently 20% of local streets along with 16% of back lanes are in poor condition. Winnipeggers' satisfaction with the condition of local streets is low at 40% (poll June 2012). Only one other City service has a lower satisfaction: condition of regional streets, at 38%. The City is currently spending $21.7 million per year on the local streets program. This includes the $5 million TBO program, $3 million for gravel roads and $0.9 million for sidewalk and pathways. Net of the three components just listed, only $12.8 million is spent annually on 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 currently we are funding only 16% of what is required resulting in a shortfall in funding of $67 million per year in today's dollars. Cumulatively over the next 25 years and adding in construction inflation, the funding shortfall for local streets and back lanes totals $3.6 billion.

With the goal of developing a long term plan for local street renewal funding, the City explored several alternative funding models including debt, local improvements, frontage levies with reference to information obtained from the cities of Fargo and Edmonton.

After examining and analysing the various models, the City proposes a combination of dedicated property tax increases for several years followed by future frontage levy increases. The new revenue would be dedicated to a local street renewal reserve and used solely for the renewal of local streets, back lanes and sidewalks. A majority of Winnipeggers, 55%, support an increase in the frontage levy for repair, replacement and maintenance of streets and sidewalks (poll June 2012). Currently the existing $41 million in frontage levy revenue provides funding in the operating budget for maintenance of City streets, back lanes and sidewalks.

**Long Term Proposal** – In the event the City does not receive significant new growth revenue from other levels of government, the following potential plan is proposed. Dedicated annual 1% property tax increase for 8 or 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 $25 million of borrowing over the first 3 years ($10 – $10 – $5). In the ninth year the new street property tax funding would be exchanged with the current frontage levy from operating budget. The current frontage levy rate is $3.75 per foot frontage. Thereafter the frontage levy rate would be increased annually by $1.00 per foot frontage for 13 years or so. The overall plan would achieve a sustainable funding level for the renewal of local streets.

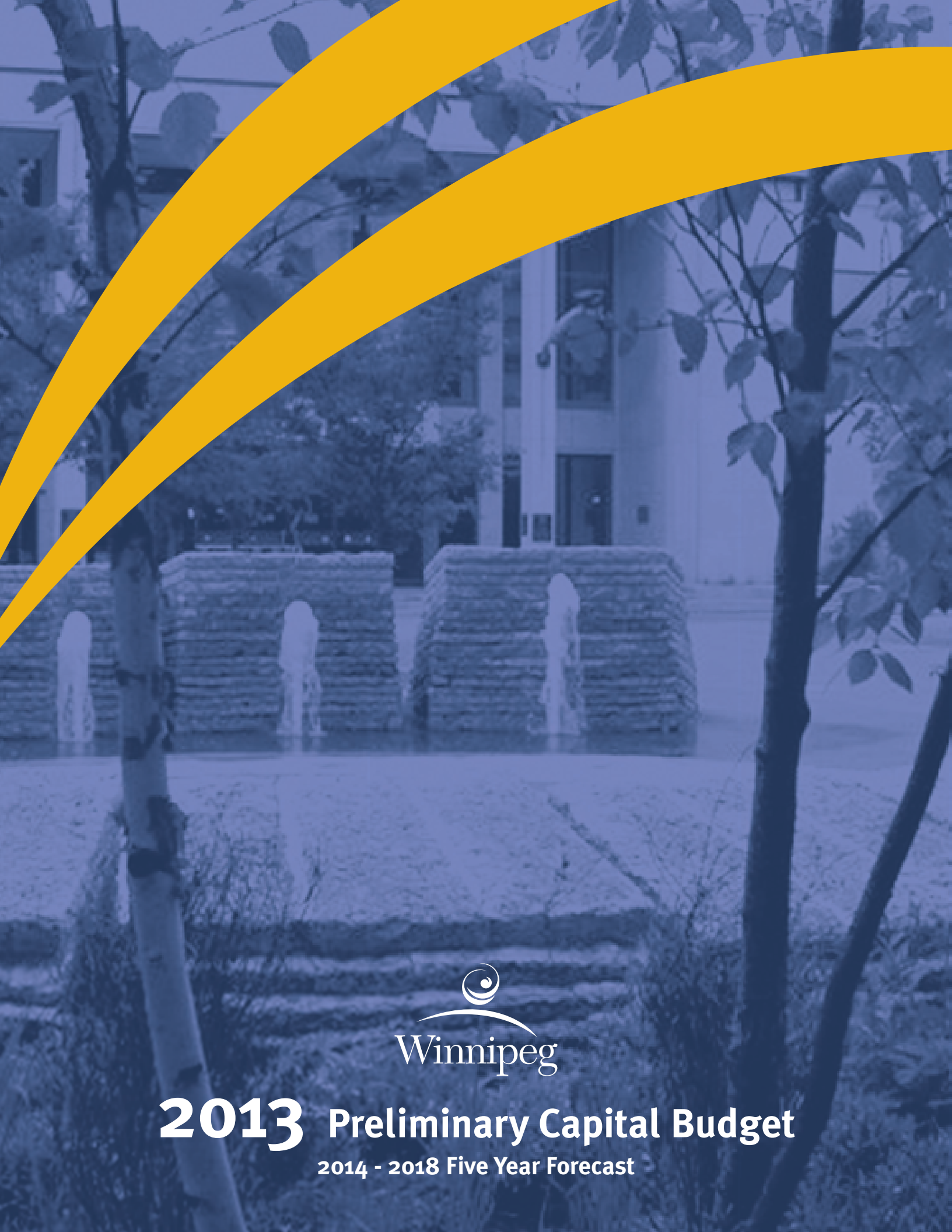
**New Local Street Renewal Reserve –** This budget establishes a new reserve to manage and track the new revenue. The 1% property tax increase revenue will be dedicated to the renewal of local streets, back lanes and sidewalks. A two thirds vote of Council would be required in order to use the funds other than those stipulated. The table below outlines the planned spending on local streets if the long term proposal is fully implemented:

**Local Street Renewal Reserve**

| Year | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | -- | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **New Revenues** | | | | | | | | | | | | | | |
| **Property Tax Increase** | *1.0%* | *1.0%* | *1.0%* | *1.0%* | *1.0%* | *1.0%* | *1.0%* | *1.0%* | *0.5%* | | | | | |
| Revenue ($ million) | **$4.5** | **$9.1** | **$13.9** | **$19.0** | **$24.3** | **$29.8** | **$35.6** | **$41.7** | **$44.8** | | | | | |
| Amount used to Finance Borrowing | -$0.5 | -$1.3 | -$1.8 | -$1.9 | -$1.9 | -$1.9 | -$1.9 | -$1.9 | -$1.9 | | | | | |
| Revenue for Cash Funding ($ million) | $4.0 | $7.8 | $12.2 | $17.1 | $22.4 | $27.9 | $33.7 | $39.8 | $43.0 | | | | | |
| Base Frontage Levy after exchange | | | | | | | | | $44.8 | $45.4 | $45.8 | -- | $49.9 | $50.3 |
| **Frontage Levy Increase** (per foot) | | | | | | | | | ***$0.25*** | ***$1.00*** | ***$1.00*** | ***--*** | ***$1.00*** | ***$1.00*** |
| Total Frontage Levy Rate (per foot) | *$3.75* | *$3.75* | *$3.75* | *$3.75* | *$3.75* | *$3.75* | *$3.75* | *$3.75* | *$4.00* | *$5.00* | *$6.00* | -- | *$16.00* | *$17.00* |
| Additional Revenue ($ million) | | | | | | | | | **$3.0** | **$15.1** | **$27.5** | **--** | **$163.0** | **$177.8** |
| Amount used to Finance Borrowing | | | | | | | | | -$1.9 | -$1.9 | -$1.9 | -- | -$1.9 | -$1.9 |
| Revenue for Cash Funding ($ million) | | | | | | | | | $46.0 | $58.7 | $71.4 | | $211.1 | $226.2 |
| **Total New Reserve Revenues** | **$4.5** | **$9.1** | **$13.9** | **$19.0** | **$24.3** | **$29.8** | **$35.6** | **$41.7** | **$47.8** | **$60.5** | **$73.3** | -- | **$212.9** | **$228.1** |

| Year | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | -- | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **New Investment in Local Streets Renewals** | | | | | $ millions | | | | | | | | | |
| from Borrowing | $10.0 | $10.0 | $5.0 | | | | | | | | | | | |
| on Cash basis | $4.0 | $7.8 | $12.2 | $17.1 | $22.4 | $27.9 | $33.7 | $39.8 | $46.0 | $58.7 | $71.4 | -- | $211.1 | $226.2 |
| **Funding for Local Street Renewals** | **$14.0** | **$17.8** | **$17.2** | **$17.1** | **$22.4** | **$27.9** | **$33.7** | **$39.8** | **$46.0** | **$58.7** | **$71.4** | -- | **$211.1** | **$226.2** |
| **Existing Investment in Local Streets Renewals** | | | | | $ millions | | | | | | | | | |
| Local Streets Renewals | $10.0 | $10.0 | $10.0 | $10.0 | $10.0 | $10.0 | | | | | | | | |
| Local Thin Bituminous Overlay(TBO) | $5.0 | $5.0 | $5.0 | $5.0 | $5.0 | $5.0 | | | | | | | | |
| Lane Renewals | $2.8 | $2.8 | $2.8 | $2.8 | $2.8 | $2.8 | | | | | | | | |
| Granular Roadway Improvements | $3.0 | $3.0 | $3.0 | $3.0 | $3.0 | $3.0 | | | | | | | | |
| Sidewalk/Bike Pathway Renewals | $0.9 | $1.3 | $1.3 | $1.3 | $1.3 | $1.3 | | | | | | | | |
| **Total Existing** | **$21.7** | **$22.1** | **$22.1** | **$22.1** | **$22.1** | **$22.1** | **$22.1** | **$22.1** | **$22.1** | **$22.1** | **$22.1** | | **$22.1** | **$22.1** |
| **Total Planned Spending** | **$35.7** | **$39.9** | **$39.2** | **$39.2** | **$44.5** | **$50.0** | **$55.8** | **$61.9** | **$68.0** | **$80.7** | **$93.5** | | **$233.1** | **$248.3** |

The proposal would result in local street renewal projects being funded with a sustainable funding source and mostly on a cash basis. A significant increase in City spending on road renewal would have a strong positive economic impact.



Winnipeg

# 2013 Preliminary Capital Budget

## 2014 - 2018 Five Year Forecast